

REQUEST FOR QUOTATION #15-1555GE RE-QUOTE FOR CHILLER, HVAC AND REFRIGERATION PREVENTATIVE MAINTENANCE

INFORMATION CONFERENCE REQUIRED

DATE ISSUED: <u>APRIL 8, 2015</u>

DUE DATE: <u>MAY 7, 2015 at 3:00 PM</u>

DESCRIPTION

Manatee County invites your participation in the following Request for Quotes (RFQ). It is the intent of Manatee County to engage a contractor to provide all labor, materials, and equipment necessary to perform chiller, HVAC and refrigeration preventative maintenance at various County locations. The specifications stated herein are of the minimum requirements. All quotes submitted must be in accordance with the General Conditions and Minimum Technical Specifications.

Manatee County, a political subdivision of the State of Florida, (hereinafter "Manatee County" or the "County") will receive request for quotations from individuals, corporations, partnerships, and other legal entities organized under the laws of the State of Florida or authorized to conduct business in the State of Florida.

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<u>Important Note</u>: A prohibition of Lobbying has been enacted. Please review the paragraph on (page 4) carefully to avoid violation and possible sanctions.

CLARIFICATION

It shall be the responsibility of all quoters to request any additional clarification of the contents herein. Clarification deadline is May 4, 2015 at 3:00pm, with no requests allowed after that time. All clarification requests shall be directed to George Earnest CPPB, at fax (941) 749-3034 or email to george.earnest@mymanatee.org. Clarification will be furnished by written addendum from Purchasing. Quoters shall not accept any verbal or telecommunication explanation as an authorized clarification of the contents herein.

Authorization for Release:

GENERAL TERMS AND CONDITIONS

QUOTE FORMS

Quotes must be submitted on attached County forms, although additional pages may be attached. Quoters must fully comply with all Quotation Documents, terms, and conditions.

AMERICAN DISABILITIES ACT

The Board of County Commissioners of Manatee County, Florida, does not discriminate upon the basis of any individual's disability status. This non-discrimination policy involves every aspect of the County's functions including one's access to, participation, employment, or treatment in its programs or activities.

CLARIFICATION & ADDENDA

Each quoter shall examine the Request for Quote (RFQ) documents and shall judge all matters relating to the adequacy and accuracy of such documents. Any inquiries, suggestions or requests concerning interpretation, clarification or additional information pertaining to the Request for Quotes shall be made through the Manatee County Purchasing Office. The County shall not be responsible for oral interpretations given by any County employee, representative, or others. The issuance of a written addendum is the only official method whereby interpretation, clarification or additional information can be given. If any addenda are issued to this Request for Quotation, the County will attempt to notify all prospective quoters who have secured same, however, it shall be the responsibility of each quoter, prior to submitting their quote, to contact the Manatee County Purchasing Office (see contact on page 1) to determine if addenda were issued and to make such addenda a part of their quote.

CODE OF ETHICS

With respect to this quote, if any Quoter violates or is a party to a violation of the Code of Ethics of Manatee County per Manatee County Purchasing Code Ordinance 08-43, Article 3, Ethics in Public Contracting, and/or the state of Florida per Florida Statutes, Chapter 112, Part III, Code of Ethics for Public Officers and Employees, such Quoter may be disqualified from performing the work described in this quote or from furnishing the goods or services for which the quote is submitted and shall be further disqualified from submitting any future quotes or proposals for work or for goods or services for Manatee County.

The County anticipates that all statements made and materials submitted in a quote will be truthful. If a quoter is determined to be untruthful in its quote or any related presentation, such quoter may be disqualified from further consideration regarding this Request for Quotation.

COLLUSION

By offering a submission to this Request for Quotation, the quoter certifies that the quoter has not divulged, discussed or compared their quote with other quoters, and has not colluded with any other quoter or parties to this quote whatsoever. Also, quoter certifies, and in the case of a joint quote each party thereto certifies as to their own organization, that in connection with this quote:

- a. any prices and/or cost data submitted have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices and or cost data, with any other quoter or with any competitor;
- b. any prices and or cost data quoted for this quote have not been knowingly disclosed by the quoter and will not knowingly be disclosed by the quoter, prior to the scheduled opening, directly or indirectly to any other quoter or to any competitor;
- c. no attempt has been made or will be made by the quoter to induce any other person to submit or not to submit a quote for the purpose of restricting competition;
- d. the only person or persons interested in this quote, principal or principals is/are named therein and that no person other than therein mentioned has any interest in this quote or in the contract to be entered into; and

COLLUSION (continued)

e. no person or agency has been employed or retained to solicit or secure this contract upon an agreement or understanding or a commission, percentage, brokerage, or contingent fee excepting bona fide employees or established commercial agencies maintained by quoter for purpose of doing business.

DISCLOSURE

Upon receipt all inquiries and responses to inquiries related to the Request for Quotation become "Public Records" and are subject to public disclosure consistent with Chapter 119, Florida Statutes.

Quotes/Proposals become subject to disclosure 30 days after the Opening or if a notice of intended award decision is made earlier than this time as provided by Florida Statute 119.071(1)(b). No announcement or review of the offer shall be conducted at the public opening. If the County rejects all offers and concurrently notices its intent to reissue the solicitation, initial offers are exempt until the County provide notice of its intended decision or, 30 days after the opening of the new offers

DISCOUNTS

Any and all discounts must be incorporated in the prices contained in the quote; and not shown separately. The prices as shown on the quote form shall be the price used in determining award(s).

DISQUALIFYING CRIMINAL MATTERS; CERTIFICATION REQUIRED

A person or affiliate who has been placed on the State's convicted supplier list following a conviction for a public entity crime, as that term is defined in Florida Statute s. 287.133, may not submit a quote, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a quote, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit quotes, proposals, or replies on leases of real property to a public entity; s. 287.017 for CATEGORY TWO for a period of 36 months following the date of being placed on the convicted supplier list. may not be awarded or perform work as a supplier, 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 Florida Statute s.287.017 for CATEGORY TWO for a period of 36 months following the date of being placed on the convicted supplier list.

In addition, the Manatee County Code prohibits the award of any contract to any person or entity who/which has, within the past 5 years, been convicted of, or admitted to in court or sworn to under oath, a public entity crime or of an environmental law that, in the reasonable opinion of the purchasing official, establishes reasonable grounds to believe the person or business entity will not conduct business in a responsible manner; To ensure compliance with the foregoing, the Code requires all persons or entities desiring to contract with the County to execute and file with the purchasing official an affidavit, executed under the pain and penalties of perjury, confirming that person, entity, and any person(s) affiliated with the entity, does not have a such a record and is therefore eligible to seek and be awarded business with the County. In the case of a business entity other than a partnership or a corporation, such affidavit shall be executed by an authorized agent of the entity. In the case of a partnership, such affidavit shall be executed by the general partner(s). A confirming Criminal Matters Certification Affidavit is attached for this purpose.

EQUAL EMPLOYMENT OPPORTUNITY CLAUSE

Manatee County, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 and the Regulations of the Department of Commerce (15 CFR, Part 8) issued pursuant to such Act, hereby notifies all quoters that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit quotes in response to this advertisement and will not be discriminated against on the grounds of race, color or national origin in consideration for an award.

IRREVOCABLE OFFER

Any quote may be withdrawn up until the date and time set for opening of the quote. Any quote not so withdrawn shall, upon opening, constitute an <u>irrevocable offer for a period of 90 days</u> to sell to Manatee County the goods or services set forth in the attached specifications until one or more of the quotes have been duly accepted by the County.

LEGAL NAME

Quotes shall clearly indicate the <u>legal name</u>, <u>address</u> and <u>telephone number</u> of the quoter. Quotes shall be <u>signed</u> above the <u>typed or printed name</u> and <u>title</u> of the signer. The signer must have the authority to bind the quoter to the submitted quote.

LOBBYING

After the issuance of any Invitation for Bids or Request for Quotation, prospective quoters, proposers or any agent, representative or person acting at the request of such quoter or proposer shall not contact, communicate with or discuss any matter relating in any way to the Invitation for Bids or Request for Quotations with any officer, agent or employee of Manatee County other than the Purchasing Director or as directed in the Invitation for Bids or Request for Quotations. This prohibition begins with the issuance of any Invitation for Bids, or Request for Quotations, and ends upon execution of the final contract or when the invitation or request has been cancelled. Violators of this prohibition shall be subject to sanctions as provided in the Manatee County Purchasing Code.

MATHEMATICAL ERRORS

Quotes submitted shall be based on the quantities stated on the Quote Form. Quantities shall be used for the comparison of Quotes. Payment to the Supplier will be made based on the actual quantity of work completed and accepted at the date of payment request, in accordance with the terms of the contract.

In the event of multiplication/extension error(s), the unit price shall prevail. In the event of addition error(s), the extended totals shall prevail. All quotes shall be reviewed mathematically and corrected, if necessary, using these standards prior to additional evaluation. Calculations shall be factored to the second decimal point.

MBE/WBE

The State of Florida, Office of Supplier Diversity provides the certification process and the database for identifying certified MBE/WBE firms. This service may be directly accessed at: http://www.osd.dms.state.fl.us/iframe.htm If you have any questions regarding this State service, please contact their office at (850) 487-0915.

MODIFICATION OF QUOTATION DOCUMENTS

If a quoter wishes to recommend changes to the Quotation Documents, the quoter shall furnish in writing, data and information necessary to aid the County in evaluating the request to modify the Quotation Documents. The County is not obligated to make any changes to the Quotation Documents. Unless an addendum is issued as outlined in Article A.04, the Quotation Documents shall remain unaltered. **Quoters must fully comply with the Quotation Documents**, terms, and conditions.

QUOTE EXPENSES

All expenses for submitting quotes to the County are to be borne by the quoter.

REGULATIONS

It shall be the responsibility of the quoter to assure compliance with any OSHA, EPA and/or other Federal or State of Florida rules, regulations or other requirements, as each may apply.

RESERVED RIGHTS

The County reserves the right to accept or reject any and/or all quotes, to waive irregularities and technicalities, and to request resubmission. Also, the County reserves the right to accept all or any part of the quote and to increase or decrease quantities or add related products/services to meet additional or reduced requirements of the County. Any sole response received by the first submission date may or may not be rejected by the County depending on available competition and current needs of the County. For all items combined, the quote of the lowest responsive, responsible quoter will be accepted, unless all quotes are rejected. The lowest responsible quoter shall mean that quoter who makes the lowest quote to sell goods and/or services of a quality which conforms closest to or most exceeds the quality of goods and/or services set forth in the attached Quotation Documents or otherwise required by the County, and who is fit and capable to perform the quote as made.

To be <u>responsive</u>, a quoter shall submit a quote which conforms in all material respects to the requirements set forth in the Request for Quotation. To be a <u>responsible</u> quoter, the quoter shall have the capability in all respects to perform fully the contract requirements, and the tenacity, perseverance, experience, integrity, reliability, capacity, facilities, equipment, and credit which will assure good faith performance. Also, the County reserves the right to make such investigation as it deems necessary to determine the ability of any quoter to deliver the goods or service requested. Information the County deems necessary to make this determination shall be provided by the quoter. Such information may include, but shall not be limited to: current financial statements, verification of availability of equipment and personnel, and past performance records.

TAXES

Manatee County is exempt from Federal Excise and State Sales Taxes (F.E.T. Exempt Cert. No. 59-78-0089K and FL Sales Tax Exempt Cert. No. 51-02-027548-53C); therefore, the quoter is prohibited from delineating a separate line item in his quote for any sales or service taxes. Nothing herein shall affect the quoter's normal tax liability.

END OF GENERAL TERMS AND CONDITIONS

SPECIFIC TERMS AND CONDITIONS

PURPOSE

It is the intent of the County of Manatee to establish a chiller, cooling tower, AHU and data room AC preventative maintenance contract. It is the specific purpose of this RFQ to establish annual blanket purchase orders for these services. No single project for repair or equipment replacement shall exceed \$100,000.

MANDATORY INFORMATION CONFERENCE

Interested Contractors must attend the mandatory information conference to be consider responsive for the award of this contract. The conference will be held in the Purchasing Conference Room of the 8th floor of the Manatee County Administration Building, 1112 Manatee Ave. West, Bradenton, FL 34205 at 3:30 PM, April 15, 2015.

BLANKET ORDER

Blanket Purchase Order(s) shall be issued as a result of this quote. A Blanket Purchase Order number, when accompanied by a valid Release Order number provided by an authorized County department, will authorize purchases.

Each invoice must indicate the Blanket Purchase Order number followed by a valid Release Order number. The Contractor is not authorized to proceed with, and will not be compensated for, any work that is not authorized by a valid Release Order Number issued by the County's Representative.

SPECIFICATIONS

Contractors must submit quotes strictly in accordance with specifications. No variances or alterations to these specifications shall be allowed without an addendum provided by the County.

QUALIFICATIONS OF THE CONTRACTOR

The Contractor shall have been in this line of business for at least three (3) years in the state of Florida at the same address. The Contractor shall also be registered to do business in Florida. The Contractor shall possess a Florida HVAC Contractor's License and provide that information on the Questionnaire/References form. Contractors shall supply three (3) references of current similar contracts on the Questionnaire/References form. All quoters must submit with their quote the Questionnaire/References form included herein.

QUALITY GUARANTEE AND REMEDIAL CLAUSE

All work shall also be in compliance with applicable building codes and federal, state and local laws and ordinances. If any work or material does not meet specifications, or materials furnished in conjunction with the work will not produce the results required of the work, the contractor will be required to rectify any and all work involved in the unsatisfactory situation. If the unsatisfactory work or materials involves other contractors who are blameless, then it shall be the responsibility of the contractor responsible for the faulty work or the furnishing of unsatisfactory materials to reimburse the blameless contractors for any and all additional work or materials required due to the faulty work or materials.

QUALITY TERMS

The County reserves the right to reject any or all work or materials used in the work, if in its judgment the work or materials reflect unsatisfactory workmanship, or manufacturing defects.

CANCELLATION

It is mutually understood and agreed that any award made as a result of this RFQ may be canceled by the Contractor upon 90 days written notice by Certified Mail to the County. However, the County is hereby authorized to purchase, in accordance with the prices quoted, any quantity of materials and/or services during this 90 day interim provided the County requests delivery during this period.

The County reserves the right to terminate a contract by giving 30 days written notice of intention to terminate if at any time the Contractor fails to abide by or fulfill any of the terms and conditions of the contract. The County also reserves the right to terminate this contract for the convenience of the County, with or without cause.

SUBCONTRACTORS

The Contractor shall perform the work with its own employees under its immediate supervision and shall not subcontract any portion of the work unless prior written approval is provided by the County.

RENEWAL

If not cancelled by the Contractor or the County, this term agreement shall be automatically extended/ renewed beyond the first 12-month contract period for four (4) additional twelve (12) month optional periods providing there are no changes of prices, terms or conditions. The total contract period shall not exceed five (5) years unless agreed to by the County and the Contractor. The contract period begins with the issue and acceptance of the blanket purchase order. Written notice of intention not to renew or to request a pricing adjustment must be submitted by the Contractor 90 days prior to the end of the contract period. Should the Contractor choose not to renew the quote, the County reserves the right to terminate the Contract with that Contractor and select the next qualified quoter or solicit a new Request for Quote.

PAYMENT

Within forty-five (45) days after delivery by the Contractor, acceptance by the County, and presentation of an appropriate invoice, the County shall pay the total amount due. This is mandated by Florida State Statute 218.74. Payment invoices must indicate the Purchase Order and Release Order number.

BASIS OF AWARD

Award shall be made to the lowest responsive and responsible quoters having the lowest total quote price. The County reserves the right to make multiple awards to this RFQ. Also, the County reserves the right to place orders with other Contractors, in the event of an urgent, immediate need, and/or delivery time and availability of service requested cannot be met by the lowest priced Contractor at the time of need.

BASIS OF AWARD (continued)

Whenever two or more quotes are equal with respect to price, quality and service, the bid received from a local business shall be given preference in award. Whenever two or more quotes which are equal with respect to price, quality and service are received, and both or neither of these quotes are received from a local business, the award shall be determined by a chance drawing conducted by the Purchasing Office and open to the public.

Local business is defined as a business legally authorized to engage in the sale of the goods and/or services to be procured, and which certifies within its bid that for at least six (6) months prior to the announcement of the solicitation of bids it has maintained a physical place of business in Manatee, Desoto, Hardee, Hillsborough, Pinellas or Sarasota County with at least one full-time employees at that location.

END OF SPECIFIC TERMS AND CONDITIONS

MINIMUM TECHNICAL SPECIFICATIONS

SCOPE OF WORK

A. <u>Chillers</u>: The Contractor shall perform quarterly preventive maintenance and annual service for the various HVAC chiller systems at the locations listed herein. Inspections shall be performed and reports submitted according to the manufacturer's recommendations, schedules and testing procedures.

<u>Cooling Towers</u>: The Contractor shall provide quarterly preventive maintenance and annual service for coil cleanings per manufacturers' requirements. While this specification is not intended for major repairs it does allow for limited repairs as found during preventative maintenance or other services at a fixed rate.

AHU units: At the Convention Center, Tax collector and Crosley Estate main building will require quarterly filter changes and operational inspections and preventive maintenance servicing each quarter.

B. Computer Room Air Conditioning (CRAC) Units: Where listed provide quarterly preventive maintenance and annual service, including filter changes. DATA CENTER CRAC UNITS WILL BE A FULL SERVICE CONTRACT, scheduled maintenance and any service calls on these units will be covered in full by the contractor for the duration of this contract.

CONTRACTOR'S RESPONSIVNESS

The primary goal of this contract maintain proper operation of listed equipment, if repairs are deemed necessary by the County beyond what would be considered maintenance, the Contractor's responsiveness under the terms of this contract is paramount. Under normal circumstances the Contractor shall arrive on-site for service within two (2) hours from time of notification. Emergency situations require a response time of within one (1) hour. All repair work shall be completed within the first service response (unless otherwise approved by the County). Scheduled work shall follow a timeline agreed upon by the County and the Contractor. Failure to respond within the time specified may result in the work being performed by others and/or termination of this contract.

PRICING

The Contractor shall be paid on a quarterly basis per tab sheet pricing once service has been provided and invoiced and per hour for approved repairs as needed beyond routine quarterly maintenance. Labor rates quoted on the tab sheet should include all services, labor, equipment, and transportation. Only time on-site will be permitted, travel time shall not be included in the charges. Service Call charges will not be allowed under this agreement. The Contractor shall provide all tools and equipment considered to be normal and customary to the trade. The cost of parts and materials shall be at the Contractor's cost plus a percentage markup as quoted. To verify the Contractor's cost plus markup, a copy of the material invoice from the supply house shall be submitted along with the Contractor's invoice for payment.

UNSUCCESSFUL SERVICES

In the event the work performance of the Contractor is unsatisfactory, the Contractor will be notified by the County and given a time frame to correct the work. There will be no cost to the County for these corrections. If work is not corrected, or if the Contractor fails to perform any required service within the time frame agreed to, the County reserves the right to obtain the service of an alternate contractor. Deductions of the cost of such substitute will be made from the Contractor's payments. Exemptions may be given by the County if notified of any delays, problems or conflicts that may arise during the course of a particular project. Repetitive unsatisfactory performance shall result in the termination of the contract.

DESCRIPTION OF THE WORK

Contractor shall perform a three complete quarterly and one annual inspection of the equipment at each of the facilities listed. All inspections shall be done in accordance with the manufacturers' recommendations of testing and repair schedules. All work should (at a minimum) include the following:

- 1. Cooling Towers: Service shall include but is not limited to the following:
 - a. Annual cleaning (de-scaling) of cooling towers and sumps.
 - b. Annual cleaning of associated pump strainers.
 - c. Inspection/lubrication of all pumps.
 - d. Exercise all butterfly valves, by-pass, check and triple duty valves in system.
 - e. Inspect fan motors, blades, change reducer oil (if applicable) Inspect couplings (if applicable) or belts.
 - f. Inspection and service of all related connected components to the chilled water system. i.e. air bleeders, pipe straps and stands, insulation, drain lines (Other than the water treatment circuit which is under contract by another company)
- 2. Chillers, Service shall include but is not limited to the following:
 - a. Annual oil sample for analysis of each chiller
 - b. Annual condenser tube cleaning w/gasket replacement.
 - c. Meg Compressor(s) and oil pumps
 - d. Clean evaporator (annually)
 - e. Replacement of any required oil filters and/or oil change if oil sample analysis dictates.
 - f. Provide all materials/parts needed to perform maintenance service.
 - g. All other items are to be included as per manufacturer.
- 3. Air Handler Units (AHU)
 - a. Quarterly inspection of AHU components
 - b. Treat drain pan and drain lines.
 - c. Annual Coil cleaning.
 - d. Inspect belts, motors, sheaves, amperages
 - e. Grease and inspect bearing.
 - f. Inspect and adjust any mechanical controls (i.e. Vanes, Damper motors, Air bleeds, etc.)

4. All Associated Equipment

a. Inspection and reporting of possible issues with components such as piping, insulation, air separators, valves, pipe stands, roof supports, drain line issues, thermostats, pressure gauges, chemical feed lines and pots, pipe straps issues and overall conditions at the site.

(Note: Building Automated Control issues are a different contract.)

Any deficiencies found shall be reported in writing immediately to the contact person for that location, along with recommendations for rectifying such deficiencies.

CRAC UNIT SERVICE REQUIREMENTS

Maintenance of <u>CRAC Units</u>, will be considered full service, as these are mission critical to our organization. Contractors are to include all labor, parts, transportation and all costs associated with the maintenance and total upkeep of these units into their prices. These units will receive quarterly scheduled service and a thorough annual preventive maintenance.

Please note: The Data Air Units at the Judicial Center, Hensley Wing are new and under a 3 year parts and maintenance contract from the manufacturer that is currently owned by Air Mechanical & Service Corp. Transfer of warranty arrangements will need to be made immediately on award with Air Mechanical, the warranty for these units expires in October of 2017.

- 1. CRAC Units (full service), Service shall include but is not limited to the following:
 - a. Will require annual evaporator, condenser and drain line cleaning.
 - b. General cleaning and preventive maintenance per manufacturer specifications.
 - c. Check proper operation of all connected components.
 - d. Quarterly filter changes.
 - e. Annual replacement of humidification canisters (if installed).

ANNUAL SUMMARY REPORT

An annual summary report will be expected on the condition of each unit and related systems covered under this service contract. The report will be due in May of each year for the tem of this contract. This report shall be submitted via email to the Property Management Contract Administrator and Building Services Division Manager:

Tom Roberts: tom.roberts@mymanatee.org

David Thompson: david.thompson@mymanatee.org

REPAIRS OUTSIDE THE SCOPE OF MAINTENANCE

Under normal circumstances, repairs and equipment replacement are expected to be limited to problems found during preventative maintenance and inspections. Additionally the Contractor may be called in to repair breakdowns as they occur. In both circumstances the following will apply:

- Once the repair measures have been approved and authorized by the contact person, the Contractor shall commence work as soon as possible. Once repairs are completed the Contractor shall test the repairs for proper operation.
- 2. The County reserves the right to obtain quotes from other Contractors should the cost of repairs exceed that which is considered "reasonable" for such repairs.
- 3. All work shall not be considered complete until the work area is secure, clean, any exposed refrigerated areas have proper insulation reapplied and a written service report turned into the proper contact for the particular site.

SERVICE REPORTS, (INVOICES & PAYMENTS)

- 1. Service Reports: It is the Contractors' responsibility to:
 - Provide written service reports detailing the operating conditions and all repairs or service done on the equipment at the completion of the visit.
 - Include on the Service Reports:
 - 1. Arrival and departure times of every technician on the job,
 - 2. The date performed,
 - 3. The location of equipment
 - 4. The type of work performed.
 - Show all parts and materials approved and used.
 - Include on each service report any conditions found which may adversely affect the operation of the equipment which has been repaired.
 - Obtain a signature from the site contact person.
 - Leave a (Property Management signed) hard copy of the service report with the contact person prior to leaving the site.
- 2. Invoices and payments: It is required that all invoices match the service reports performed for that job:
 - Including hours on site and parts cost.
 - All invoices must be itemized.
 - Do not lump a PM Service and a repair service on to one invoice.
 - Do not charge for "Misc. supplies".
 - Do not charge for travel time.
 - All repair service will be at the hourly rate for time actually at the site and must match the service report recorded times.
 - A receipt shall be included for all parts and equipment that are marked up (as quoted) to enable the County to verify the mark up cost.

END OF MINIMUM TECHNICAL SPECIFICATIONS

Site Location and Contact list for Chiller Service (4-3-15)

Equipment Frequency Service limitations Contact Name 1-Trane RTAA-125 Chiller, Air Cooled 1-Trane RTAA-125 Chiller, Air Cooled 1-Trane RTAA-135 Chiller, Air Cooled 1-Trane RTAA-125 Chiller, Air Cooled 1-Trane RTAA-10 Chiller, Air Cooled 1-Trane RTAA-125 Chiller, Air Cooled 1-Trane RTAA-10 Chiller, Air Cooled 1-Trane RTAA-10 Chiller, Air Cooled 1-Trane RTAA-10 Chiller, Air Cooled (2007) 1-Trane RTAA-10 Chiller, A		5).org			
1-Trane RTAA-125 Chiller, Air Cooled 1-Trane RTAA-125 Chiller, Air Cooled 2-McQuay- Dual Compressor Centrifugal chiller, Model 4-Work chillers #1,2,3,4 AHU's Replace filter on AHU's Quarterly Pumps and all associated equipment Pumps and all associated equipment And all AHU's, Replace filter on AHU's Quarterly Pumps and all associated equipment And all AHU's, Replace filter on AHU's Quarterly Pumps and all associated equipment And all AHU's, Replace filter on AHU's Quarterly. 1 Trane RTAA-70 Chiller, Air Cooled (2007) One annual Pumps and all associated equipment Daytime	# Bhone #	Office: 941 748-4501 x6486 Cell: 941-737-3217 mark.petrilla@mymanatee.org		941.722.3244 Ext. 260 Sable.Perrin@BACVB.com	941.722.3244 Ext. 260 Sable.Perrin@BACVB.com	941-741-4800 x4870
Equipment Frequency Servi 1-Trane RTAA-125 Chiller, Air Cooled 1-Trane RTAA-135 Chiller, Air Cooled 1-Trane RTAA-70 Chiller, Air Cooled (2007)	Contact Name	Mark Petrilla Building Supervisor	Charles Fraizer Building Supervisor	Sable Perrin General Manager	Sable Perrin General Manager	Marie Munford Operation Director
Equipment 1-Trane RTAA-125 Chiller, Air Cooled 1-Trane RTAA-135 Chiller, Air Cooled 1-Trane RTAA-135 Chiller, Air Cooled Pumps and all associated equipment #: Water cooled, 1000 Ton, 480v, Controls-McQuay: DEM. Pumps and all associated equipment 4 York chillers #1,2,3,4 AHU's # 3.4,6,7,8 8 Replace filter on AHU's Quarterly Pumps and all associated equipment 2 each Carrier M#: 30RANKA, Serial #: 4407Q03910, And all AHU's, Replace filter on AHU's Quarterly Pumps and all associated equipment Pumps and all associated equipment Trane RTAA-70 Chiller, Air Cooled (2007)	Service limitations	Daytime	Daytime	Daytime and per event schedule	Daytime and per event schedule	Daytime
, , , , , , , , , , , , , , , , , , ,	Frequency	One annual 3 quarterly	One annual 3 quarterly	One annual 3 quarterly	One annual 3 quarterly	One annual 3 quarterly
Location Desoto Center 600 301 Blvd. W Bradenton, FL 34205 Judicial Center 1051 Manatee Ave. W. Bradenton, FL 34205 Bradenton, FL 34205 Bradenton Area Convention Center 1 Haben Blvd Palmetto, F 34221 Crosley Estate 8374 N. Tamiami Trail Sarasota Fl. Tax Collector Main Office	Fauinment	1-Trane RTAA-125 Chiller, Air Cooled 1-Trane RTAA-135 Chiller, Air Cooled Pumps and all associated equipment	2-McQuay- Dual Compressor Centrifugal chiller, Model #: Water cooled, 1000 Ton, 480v, Controls-McQuay: OEM. Pumps and all associated equipment	4 York chillers #1.2,3,4 AHU's # 3,4,6,7,& 8 Replace filter on AHU's Quarterly Pumps and all associated equipment	2 each Carrier M#: 30RANKA, Serial #: 4407Q03910, And all AHU's, Replace filter on AHU's Quarterly. Pumps and all associated equipment	1 Trane RTAA-70 Chiller, Air Cooled (2007) Pumps and all associated equipment
	Location	Desoto Center 600 301 Blvd. W Bradenton, FL 34205	Judicial Center 1051 Manatee Ave. W. Bradenton., FL 34205	Bradenton Area Convention Center 1 Haben Blud Palmetto, F	Crosley Estate 8374 N. Tamiami Trail Sarasota FI.	Tax Collector Main Office 819 US 301 Blvd W
- 2 E 4 A	-	-	7	60	4	ſΩ

RFQ# 15-1555GE Re-quote for HVAC & Chiller Prev Maint

Site Location and Contact list for Data Center CRAC Service (Full Service) (4-3-15)

Phone #	Office: 941 748-4501 x3068	Office: 941-748-4501 x3552	Office: 941-748-4501 x7934	Office: 941 748-4501 x6486
	Cell: 941-737-3456	Cell: 941-527-9379	Cell: 941-527-9285	Cell: 941-737-3217
	tim.funk@mymanatee.org	rodney.terrell@mymanatee.org	Charles.frazier@mymanatee.org	mark.petrilla@mymanatee.org
Contact Name	Tim Funk	Bob Vanetten	Charles Frazier	Mark Petrilla
	Building Supervisor	Building Supervisor	Building Supervisor	Building Supervisor
Service Limitation	Weekday	Weekday	Weekday	Weekday
Frequency	3 quarterly	3 quarterly	3 quarterly	3 quarterly
	1 annual	1 annual	1 annual	1 annual
Equipment	Phone Room 7th Floor, Liebert A/C M# CU 091C A00 S# 133916A (date 6-88) (1 unit)	 Data Room AHU's (3 unit -2rd floor) Radio Room (2 units 1st Floor) Liebert M#: FH740C-AAE17110 S#: 937110-001 (5 units all the same) (new in 2007) 	Hensley Data Center AHU – • Data Aire M#: GFAU-05632 S#: 2014-0933-B • Data Aire M#: GFAU-05632 S#: 2014-0932-B AHU Condensers • Data Aire M#:DARC-1732 S#: 2014-0935-A • Data Aire M#:DARC-1732 S#: 2014-0934-A Includes remote condensers and once / yr. humidifier canister replacement. (New in Oct. 2014)	Data Room @ Sheriffs Dept Liebert (A) M#: FH380AVAAM S#: 342163-001 Liebert (Β) M#: FH529C-ASM S#: 320339-001
Location	Administration Building	Public Safety- EOC Bldg	Judicial Center	Desoto Center
	1112 Manatee Ave. W	4101 47th Terrace E.	1051 Manatee Ave W.	300 301 Blvd W
	Bradenton, FL 34205	Bradenton, FL	Bradenton, Fl. 34205	Bradenton, Fl
	-	2	м	4

QUOTATION RESPONSE FORM

RFQ #15-1555GE RE-QUOTE for CHILLER, HVAC AND REFRIGERATION PREVENTATIVE MAINTENANCE

DATE DUE: May 7, 2015 @ 3:00 pm

To: Manatee County Purchasing

1112 Manatee Avenue West, Suite 803

Bradenton, Florida 34205

Attention: George Earnest CPPB, Buyer Email to: george.earnest@mymanatee.org

Or via Fax @ (941) 749-3034

We, the undersigned hereby declare that we have reviewed the quote documents and with full knowledge and understanding submit our quote. We also understand that the pricing list here includes only time on site and that travel time will not be charged for any work under this contract.

No single project for repair or equipment replacement shall exceed \$100,000.

		Chiller, Cooli		AHU's and erly & Annu		Equipment
Α	Locations	Number of Chillers	Cooling Tower	Includes AHU's	=	Annual Maintenance Cost / Building
1	Desoto Center	2	No	No	=	\$
2	Judicial Center	2	Yes x 2	No	=	\$
3	Convention Center	4	No	Yes	=	\$
4	Crosley Estate	2	No	Yes	=	\$
5	Tax Collector	1	No	Yes	=	\$
					Subtotal	\$

	Data Center	CRAC Units	- Quarterly &	Annual PM,	and Full Service
В	Locations	Number of Units	Number of Condensers	=	Annual Maintenance Cost / Building
1	Administration Building (7th)	1	0	=	\$
2	Public Safety Center / EOC	5	0	=	\$
3	Desoto Center	2	1	=	\$
4	Judicial Center/Hensley wing	2	2	=	\$
				Subtotal	\$

С	Land Control of the C	abor Costs for R	Repairs		
1	Charge Per Hour for Labor as Directed (M-F, 8-5) (Prop. Mgmt. on-site time only, no trave charges will be accepted)	\$	X 200	=	\$
2	Overtime Charge Per Hour for Labor as Directed (Hours other than M-F, 8-5) (Prop. Mgmt. on-site time only, no trave charges will be accepted)	•	X 100	=	\$
			Subtot	al	\$
D	Repair Par	ts And Replacen	nent Equipn	nent	
	centage markup for parts and %_		X \$100,000	=	\$
Add	Subtotals A+B+C+D for award purposes	Total Quote Pri	=		\$
Com	pany Name	Phone Numb	per	_	<u> </u>
Addr	ess	Fax Number			
City,	State Zip Code	Email			
AUT	HORIZED SIGNATURE(S):				
		Printed Name and	d Title of Sig	ner	
	The following shall be completed,	signed and subr	mitted with t	his	Quotation Form:
Publ	olier's Questionnaire & Referencesic Contracting & Environmental Crimes		P	age:	s 15-16 hment "A"

REQUEST FOR QUOTATION 15-1555GE RE-QUOTE FOR CHILLER, HVAC AND REFRIGERATION PREVENTATIVE MAINTENANCE

CONTRACTOR'S QUESTIONNAIRE

THIS QUESTIONNAIRE MUST BE COMPLETED AND SUBMITTED WITH YOUR QUOTE

	Is your tirr	n a registe	red Florida Business:		
	Yes	No	(check one) for	continuous years';	
	Current FI	orida Busir	ness Registration #	Expiration:	
	Florida H\	/AC Contra	actor's license number: _		
	services p	rovided. T	he summary shall state t	oter in the past five years which is related to the nature of the litigation, a brief description of the monetary amounts involved.	
			lations, formal notices of n a Worker's Compensati	regulatory non-compliance, safety violations a on claim.	and
	Have you	ever failed	to complete work awarde	ed to you? If so, where and why?	_
mpa	any Name:				

REQUEST FOR QUOTATION 15-1555GE RE-QUOTE FOR CHILLER, HVAC AND REFRIGERATION PREVENTATIVE MAINTENANCE

CONTRACTOR'S REFERENCES

THIS QUESTIONNAIRE MUST BE COMPLETED AND SUBMITTED WITH YOUR QUOTE

5.	Three current references fron	n commercial projects in Florida for similar services	3.			
Α.	CUSTOMER NAME:					
		SERVICE PERIOD:				
CON	CONTACT PERSON:					
ADD	DRESS:					
TEL	EPHONE NO:	SERVICE PERIOD:				
CON	NTACT PERSON:		<u> </u>			
ADD	DRESS:					
TEL	TELEPHONE NO:SERVICE PERIOD:					
SER	RVICE DETAILS:					
Com	npany Name:					

Attachment "A"

PUBLIC CONTRACTING AND ENVIRONMENTAL CRIMES CERTIFICATION

SWORN STATEMENT PURSUANT TO ARTICLE 6, MANATEE COUNTY PURCHASING CODE

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

This sworn statement is submitted to the Manatee County Board of County Commissioners by

[print individual's name and title]

for

[print name of entity submitting sworn statement]

whose business address is:

and (if applicable) its Federal Employer Identification Number (FEIN) is

no FEIN, include the Social Security Number of the individual signing this sworn statement:

I understand that no person or entity shall be awarded or receive a county contract for public improvements, procurement of goods or services (including professional services) or a county lease, franchise, concession or management agreement, or shall receive a grant of county monies unless such person or entity has submitted a written certification to the County that it has not:

- (1) been convicted of bribery or attempting to bribe a public officer or employee of Manatee County, the State of Florida, or any other public entity, including, but not limited to the Government of the United States, any state, or any local government authority in the United States, in that officer's or employee's official capacity; or
- (2) been convicted of an agreement or collusion among bidders or prospective bidders in restraint of freedom of competition, by agreement to bid a fixed price, or otherwise; or
- (3) been convicted of a violation of an environmental law that, in the sole opinion of the County's Purchasing Director, reflects negatively upon the ability of the person or entity to conduct business in a responsible manner; or
- (4) made an admission of guilt of such conduct described in items (1), (2) or (3) above, which is a matter of record, but has not been prosecuted for such conduct, or has made an admission of guilt of such conduct, which is a matter of record, pursuant to formal prosecution. An admission of guilt shall be construed to include a plea of nolo contendere; or
- (5) where an officer, official, agent or employee of a business entity has been convicted of or has admitted guilt to any of the crimes set forth above on behalf of such and entity and pursuant to the direction or authorization of an official thereof (including the person committing the offense, if he is an official of the business entity), the business shall be chargeable with the conduct herein above set forth. A business entity shall be chargeable with the conduct of an affiliated entity, whether wholly owned, partially owned, or one which has common ownership or a common Board of Directors. For purposes of this Form, business entities are affiliated if, directly or indirectly, one business entity controls or has the power to control another business entity, or if an individual or group of individuals controls or has the power to control both entities. Indicia of control shall include, without limitation, interlocking management or ownership, identity of interests among family members, shared organization of a business entity following the

ineligibility of a business entity under this Article, or using substantially the same management, ownership or principles as the ineligible entity.

Any person or entity who claims that this Article is inapplicable to him/her/it because a conviction or judgment has been reversed by a court of competent jurisdiction shall prove the same with documentation satisfactory to the County's Purchasing Director. Upon presentation of such satisfactory proof, the person or entity shall be allowed to contract with the County.

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR MANATEE COUNTY IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT ANY CONTRACT OR BUSINESS TRANSACTION SHALL PROVIDE FOR SUSPENSION OF PAYMENTS, OR TERMINATION, OR BOTH, IF THE CONTRACTING OFFICER OR THE COUNTY ADMINISTRATOR DETERMINES THAT SUCH PERSON OR ENTITY HAS MADE FALSE CERTIFICATION.

	[Signature]
STATE OF FLORIDA COUNTY OF	e
Sworn to and subscribed before me this	day of, 20by
Personally known OR Produced id	entification [Type of identification]
My co	emmission expires
Notary Public Signature	
(Print, type or stamp Commissioned name of N	lotary Public]

Signatory Requirement - In the case of a business entity other than a partnership or a corporation, this affidavit shall be executed by an authorized agent of the entity. In the case of a partnership, this affidavit shall be executed by the general partner(s). In the case of a corporation, this affidavit shall be executed by the corporate president.

Attachment "B"

STATEMENT OF NO QUOTE

If you do not intend to quote please return this form immediately to:

Manatee County Purchasing 1112 Manatee Avenue West, Suite 803 Bradenton, Florida 34205

We, the undersigned, have declined to quote on RFQ No.: 15-1555GE - RE-QUOTE FOR CHILLER, HVAC AND REFRIGERATION PREVENTATIVE MAINTENANCE for the following reason(s): Specifications too restrictive, i.e., geared toward one brand or manufacturer. Insufficient time to respond We do not offer this product or service Our schedule would not permit us to perform ___Unable to meet specifications Unable to meet Bond requirement Specifications unclear (explain below) Unable to meet insurance requirements Remove us from your "Bidders List" Other (specify below) **REMARKS:** We understand that if we do not submit a quote and this Statement of No Quote is not executed and returned, our name may be deleted from your Bidders List for this commodity or service. Company Name: Company Address: Telephone: Signature:

(Print or type name and title of above signer)

Attachment "C"

INSURANCE AND BONDING REQUIREMENTS

The Contractor shall at its own expense, carry and maintain insurance coverage from responsible companies duly authorized to do business in the State of Florida as set forth in the Insurance and Bonding attachment of this solicitation. The Contractor shall procure and maintain property insurance upon the entire project, if required, to the full insurable value of the scope of work.

The County and the Contractor waive against each other and the County's separate Contractors, Design Consultant, Subcontractors agents and employees of each and all of them, all damages covered by property insurance provided herein, except such rights as they may have to the proceeds of such insurance. The Contractor and County shall, where appropriate, require similar waivers of subrogation from the County's separate Contractors, Design Consultants and Subcontractors and shall require each of them to include similar waivers in their contracts.

Manatee County shall be responsible for purchasing and maintaining, its own liability insurance.

Certificates issued as a result of the award of this solicitation must identify "For any and all work performed on behalf of Manatee County."

The General Liability Policy provided by Contractor to meet the requirements of this solicitation shall name Manatee County, Florida, as an additional insured as to the operations of Contractor under this solicitation and shall contain a severability of interests provisions.

Manatee County Board of County Commissioners shall be named as the Certificate Holder. The Certificates of Insurance must state the Contract Number, or Project Number, or specific Project description, or must read: For any and all work performed on behalf of Manatee County. The "Certificate Holder" should read as follows:

Manatee County Board of County Commissioners Bradenton, Florida

The amounts and types of insurance coverage shall conform to the minimum requirements set forth in Insurance and Bonding attachment, with the use of Insurance Services Office (ISO) forms and endorsements or their equivalents. If Contractor has any self-insured retentions or deductibles under any of the below listed minimum required coverage, Contractor must identify on the Certificate of Insurance the nature and amount of such self-insured retentions or deductibles and provide satisfactory evidence of financial responsibility for such obligations. All self-insured retentions or deductibles will be Contractor's sole responsibility.

Coverage(s) shall be maintained without interruption from the date of commencement of the Work until the date of completion and acceptance of the scope of work by the County or as specified in this solicitation, whichever is longer.

The Contractor and/or its insurance carrier shall provide 30 days written notice to the County of policy cancellation or non-renewal on the part of the insurance carrier or the Contractor. The Contractor shall also notify the County, in a like manner, within twenty-four (24) hours after receipt, of any notices of expiration, cancellation, non-renewal or material change in coverage or limits received by Contractor from its insurer and nothing contained herein shall relieve Contractor of this requirement to provide notice. In the event of a reduction in the aggregate limit of any policy to be provided by Contractor hereunder, Contractor shall immediately take steps to have the aggregate limit reinstated to the full extent permitted under such policy.

Should at any time the Contractor not maintain the insurance coverage(s) required herein, the County may terminate the Agreement or at its sole discretion shall be authorized to purchase such coverage(s) and charge the Contractor for such coverage(s) purchased. If Contractor fails to reimburse the County for such costs within thirty (30) days after demand, the County has the right to offset these costs from any amount due Contractor under this Agreement or any other agreement between the County and Contractor. The County shall be under no obligation to purchase such insurance, nor shall it be responsible for the coverage(s) purchased or the insurance company or companies used. The decision of the County to purchase such insurance coverage(s) shall in no way be construed to be a waiver of any of its rights under the Contract Documents.

If the initial or any subsequently issued Certificate of Insurance expires prior to the completion of the scope of work, the Contractor shall furnish to the County renewal or replacement Certificate(s) of Insurance not later than ten (10) calendar days after the expiration date on the certificate. Failure of the Contractor to provide the County with such renewal certificate(s) shall be considered justification for the County to terminate any and all contracts.

Insurance and Bonding Requirements Compliance Submittal (mandatory)

Ins 1.	surance / Bond Type Worker's Compensation	Required Limits Statutory Limits of Florida Statutes, Cha Government Statutory Limits and Require		ll Federal
2.	⊠ Employer's Liability	\$1,000,000 single limit per occurrence		
3.	Commercial General Liability (Occurrence Form) patterned after the current ISO form	Sodily Injury and Property Damage \$1,000,000 single limit per occurrence, \$1 Injury Liability and Property Damage Liab and Operations; Independent Contractors Operations and Contractual Liability.	ility. This shall	include Premises
4.		To the maximum extent permitted by Flor indemnify and hold harmless Manatee Cofrom and against all claims, suits, actions costs, including, but not limited to, reason paralegals' fees; caused or contributed to recklessness, or intentionally wrongful coanyone employed or utilized by the Contradgreement. This indemnification obligation negate, abridge or reduce any other rights may be available to an indemnified party paragraph or deemed to affect the rights, County as set forth in Florida Statute Sec	ounty, its officer , damages, liable attorneys by the neglige induct of the Co actor in the per on shall not be s or remedies was or person desc privileges and	rs and employees bilities, losses and fees and ence, contractor or formance of this construed to which otherwise cribed in this
4.		\$ 500,000 Each Occurrence; Bodily Injury Owned/Non-owned/Hired; Automobile Inc	, & Property Da	amage,
5.	Other insurance as noted:	☐ Watercraft ☐ United States Longshoreman's and Habe maintained where applicable to the co ☐ Maritime Coverage (Jones Act) shall to the completion of the work.	arborworker's Ampletion of the	work. Per Occurrence
		Aircraft Liability coverage shall be carr \$5,000,000 each occurrence if applicable Services under this Agreement.		tion of the
		_	3	_ Per Occurrence
		Pollution	\$	_ Per Occurrence
		Professional Liability \$ \$1,000,000 per claim and in the a \$2,000,000 per claim and in the a \$1,000,000 per claim and a \$1,000,000 per claim	aggregate	d in the aggregate
		☐ Project Professional Liability	\$	_Per Occurrence
		☐ Valuable Papers Insurance	\$	_ Per Occurrence

6.	☐ Bid bond	Shall be submitted with proposal response in the form of certified funds, cashiers' check or an irrevocable letter of credit, a cash bond posted with the County Clerk, or proposal bond in a sum equal to 5% of the cost proposal. All checks shall be made payable to the Manatee County Board of County Commissioners on a bank or trust company located in the State of Florida and insured by the Federal Deposit Insurance Corporation.				
7	☐ Performar Payment I					
required to meet. insurance provisi 9. Manatee Co General Liability 10. The Certifica County Commiss Certificates of Insurance provisions must read: For a		unty must be named as "ADDITIONAL INSURED" on the Insurance Certificate for Commercial				
		Contractor's Insurance Statement surance requirements of these specifications and that the evidence of insurability may be required the award of this solicitation.				
Nar	ne of Firm	Date				
	ntractor nature					
Prir	nt Name					
Insu	urance Agency					
Age	ent Name	Telephone Number				

ATTACHMENT D.1 (for Public Safety/EOCsite)

Extended Warranty Statement-REVISED

Date:	11-2-07
Job:	Manatee 911 Center
G.O.#:	805642
Model #:	AGS300D
Serial #:	STNU061200187, STNU070100012
Start up:	4-26-07

Attached you will find McQuay's Limited Product Warranty for your equipment supplied on the referenced order. In addition to this warranty, the following optional extended warranties have been purchased from McQuay:

1st year standard warranty- 4-26-07 thru 4-25-08 5 months extended parts / labor, entire unit warranty- 4-26-08 thru 9-25-08 4 year extended parts / labor warranty- 9-26-08 thru 9-25-12 65 months refrigerant warranty- 4-26-07 thru 9-25-12

All McQuay extended warranties are subject to the following provisions and limitations:

- 1. All of the terms and conditions contained in the Limited Product Warranty apply to the extended warranties that are purchased, except as expressly modified herein.
- As a condition to coverage under the extended warranties, the product must be maintained and operated in accordance with the latest edition of McQuay's published installation/maintenance data, including routine preventative maintenance procedures (i.e., condenser tube cleaning, oil analysis, etc.) as directed by McQuayService, and all warranty work shall only be performed by McQuayService personnel or as designated by McQuayService. Records of maintenance schedules and procedures must be retained, and McQuay reserves the right to audit them or examine them at any time.

If this information conflicts with any other information you have on this General Order number (G.O.#) or if you have any questions, please contact me immediately.

Sincerely,

Tara N. Gonzalez

Attachment

ATTACHMENT D.2 (for Public Safety/EOC site)

Preventative Maintenance Schedule

PREVENTATIVE MAINTENANCE OPERATION	WEEKLY	MONTHLY	ANNUAL
		(Note 1)	(Note 2)
General			
Complete unit log and review (Note 3)	X		
Visually inspect unit for loose or damaged components and visible leaks		х	
Inspect thermal insulation for integrity			Х
Clean and paint as required			X
Electrical			
Sequence test controls			Х
Check contactors for pitting, replace as required			Х
Check terminals for tightness, tighten as necessary			X
Clean control panel interior			Х
Visually inspect components for signs of overheating		X	
Verify compressor and oil heater operation		X	
Megger compressor motor			Х
Refrigeration			
Leak test		Х	
Check sight glasses for clear flow	X		
Check filter-drier pressure drop (see manual for spec)		X	
Check oil filter pressure drop (Note 6)		X	
Perform compressor vibration test			Х
Perform acid test on compressor oil			Х
Condenser (air-cooled)			
Clean condenser coils (Note 4)			X
Check fan blades for tightness on shaft (Note 5)			X
Check fans for loose rivets and cracks, check motor brackets			X
Check coil fins for damage and straighten as necessary			X

Notes:

- 1. Monthly operations include all weekly operations.
- 2. Annual (or spring start-up) operations include all weekly and monthly operations.
- 3. Log readings can be taken daily for a higher level of unit observation.
- 4. Coil cleaning can be required more frequently in areas with a high level of airborne particles.
- 5. Be sure fan motors are electrically locked out.
- 6. Replace the filter if pressure drop exceeds Table 32 pressure levels.

Warranty Statement

Limited Warranty

Consult your local McQuay Representative for warranty details. Refer to Form 933-43285Y. To find your local McQuay Representative, go to www.mcquay.com.

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IMM AGS-DP