

INVITATION

Mental Health Mental Retardation Authority of Harris County (MHMRA) is accepting Proposals from Suppliers experienced in:

CHILLER REPLACEMENT AT 7011 SOUTHWEST FREEWAY

Mental Health Mental Retardation Authority of Harris County invites your firm to submit a Proposal. If you are interested in submitting a Proposal, please adhere to the *General Instructions and Requirements* as outlined in the enclosed Request for Proposal.

Suppliers shall pay particular attention to all **INSTRUCTIONS, REQUIREMENTS and DEADLINES** indicated in the attached documents and should govern themselves accordingly.

In accepting Proposals, MHMRA reserves the right to reject any and all Proposals, to waive formalities and reasonable irregularities in submitted documents, and to waive any requirements in order to take the action, which it deems to be in the best interest of MHMRA, and is not obligated to accept the lowest proposal.

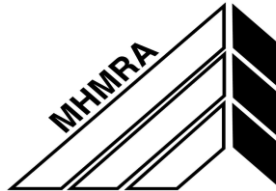
At the time and place established for receipt of the Proposals, MHMRA Harris County will only release the names of the Suppliers that have responded to this solicitation. No other information will be released until after MHMRA's Evaluation Team has evaluated the Proposals, and an award has been made and approved by Executive Staff.

We greatly appreciate your efforts and look forward to reviewing your submission.

Sharon Brauner

Sharon Brauner, C.P.M., A.P.P.
Buyer III, Senior Purchasing Coordinator
MHMRA of Harris County

Request For Proposal



**MENTAL HEALTH AND MENTAL RETARDATION
AUTHORITY OF HARRIS COUNTY**

CHILLER REPLACEMENT AT 7011 SOUTHWEST FREEWAY

Project #: 11/0007

December 2010

**MHMRA of Harris County
Purchasing Department
7011 Southwest Freeway
Houston, Texas 77074**

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SECTION I – OVERVIEW

Background and Objectives

The Mental Health Mental Retardation Authority of Harris County (MHMRA) is a Community Center in Houston, Harris County, Texas providing Behavioral Health Services to approximately (25) twenty-five to (30) thirty thousand Harris County residents each year.

The Mental Health Mental Retardation Authority of Harris County (MHMRA) invites qualified companies herein after referred to as “Manufacturer”, “Contractor” or “Supplier” to submit Proposals for CHILLER REPLACEMENT AT MHMRA’S 7011 SOUTHWEST FREEWAY location, in response to this solicitation. MHMRA is the largest community based provider of clinical services to mental health and mental retardation consumers in the United States. It maintains operations at over 25 facilities throughout all parts of Harris County and operates on an annual budget in excess of \$177 million. The Agency has fixed pricing budgets and all pricing quoted should remain fixed for the duration of the contract. Our goal is to employ best practices and cost effectiveness.

Manufacturer to provide one CH-150 Carrier AquaSnap air-cooled scroll chiller or equal for delivery to and installation by a Houston, Texas area mechanical contractor yet to be identified by MHMRA. MHMRA will order and pay for the chiller directly from the selected Manufacturer, but all delivery, installation arrangements and warranties will be arranged with and flow through the mechanical contractor eventually selected by MHMRA through a competitive procurement process. The chiller will be installed at MHMRA’s facility located at 7011 Southwest Freeway, Houston, Texas, 77074. (See Specification and Drawing)

SECTION II – REQUEST FOR PROPOSAL (RFP) TIMELINE AND EVENTS

Solicitation Packet issue date:	Monday, December 13, 2010
Receive Questions from Prospective Vendor:	Thursday, December 16, 2010 by 4:30 p.m.
Deadline to respond to questions:	Friday, December 17, 2010 by 4:30 p.m.
Deadline for submission of RFP:	Monday, December 27, 2010 at 10:00 a.m.
Proposal Opening: (ONLY Vendor Names)	Monday, December 27, 2010. A public Proposal on the Proposal Reply forms will be disclosed) opening will be held at 10:15 a.m., 7011 Southwest Freeway, Houston, Texas 77074
Anticipated Award Date:	Upon recommendation

SECTION III - GENERAL INSTRUCTIONS

A. Questions

All questions concerning the PROPOSAL specifications must be submitted in writing and faxed by Thursday, December 16, 2010 COB to the following team members **or emailed to Sharon Brauner and cc: Nina Cook:**

Sharon Brauner, C.P.M., Buyer III, Senior Purchasing Coordinator

Ofc: (713) 970 - 7279

Fax: (713) 970 - 7682

E-mail: sharon.brauner@mhmraharris.org

Cc:

Nina Cook, MBA, CPPB, Purchasing Manager

Ofc: (713) 970 - 7287

Fax: (713) 970 - 7682

Email: nina.cook@mhmraharris.org

B. Submittal Procedure

The Proposal, subject to all conditions and specifications attached hereto, **must be signed in INK** by a person or officer of the company submitting the Proposal that is authorized to enter into contractual agreements on behalf of the company. ***Proposals received unsigned will not be accepted.***

Deadline to submit ***“Final Proposal”*** is **Monday, December 27, 2010 @ 10:00 a.m.** The original Proposal, signed in ink, five (5) additional photocopies and an electronic copy (CD-ROM or Floppy) should be submitted in a SEALED ENVELOPE and delivered to the attention of:

MHMRA of Harris County
Purchasing Department
Attn: Sharon Brauner, C.P.M., Buyer III
7011 Southwest Freeway, Houston, Texas 77074

“CHILLER REPLACEMENT AT MHMRA’S 7011 SOUTHWEST FREEWAY”
DO NOT OPEN UNTIL MONDAY, DECEMBER 27, 2010 @ 10:00 A.M.

No Proposals will be accepted after the stated deadline.

Respondents may mail or personally deliver their Proposals to the Purchasing Office of MHMRA at the above address. MHMRA will not be responsible for any Proposal(s) that is (are) lost in the mail or not delivered to the Purchasing Department by the stated deadline for any reason.

Proposals shall include all documentation as requested in this Request for Proposal.

C. Proposal Opening

A **public Proposal Opening** will be held immediately following receipt of Proposals on **Monday, December 27, 2010**, at 7011 Southwest Freeway, Houston, Texas, 77074.

D. Non-Discrimination Policy Statement

The Mental Health Mental Retardation Authority of Harris County does not discriminate against any individual or Contractor with respect to his/her compensation, terms, conditions, or award of contract because of race, color, religion, sex, national origin, age, disability, political affiliation, or limit segregate, or classify candidates for award of contract in any way which would deprive or tend to deprive any individual or company of business opportunities or otherwise adversely affect status as a Contractor because of race, color, religion, sex, national origin, age, disability, or political affiliation

E. Immigration Reform and Control Act

The successful Contractor shall provide appropriate identification and employment eligibility documents and complete a W-9 form to meet requirements of the Immigration Reform and Control Act of 1986.

F. Reference & Experience

All interested parties are required to submit with their Proposal a minimum of three (3) local references where interested party has provided services that pertain to the size and scope of this project (within the last two years). **References shall include company name, address, telephone, fax number, email address and contact person.** The interested parties must agree to authorize clients to furnish any information required by MHMRA to verify references provided, and for determining the quality and timeliness of previous work performed.

G. Proposal Guarantee/Award Procedure

It is anticipated that a recommendation for award for this Proposal will be made no more than thirty (30) days after the **PROPOSAL DUE DATE**. All interested parties are required to guarantee their Proposals as an **irrevocable offer valid for One Hundred Twenty (120) days after the Proposal due date**. Mental Health Mental Retardation Authority of Harris County in its sole and absolute discretion shall have the right to award Proposal for any or all items/services listed in each Proposal, shall have the right to reject any and all Proposals as it deems to be in its best interests, to waive formalities and reasonable irregularities in submitted documents, shall not be bound to accept the lowest Proposal and shall be allowed to accept the total Proposal of any one vendor.

H. Permits

Any and all permits as required by authorities having jurisdiction; local, state, county, and/or federal, are the total responsibility of the interested parties/Contractor and must be obtained prior to commencement of any work or service. Any and all expense/cost related to obtaining required permits is the sole responsibility of the Contractor.

I. Financial Information

Contractor must submit a copy of their last AUDITED financial statement. A letter from your CPA is an acceptable alternative for Non Public companies, but must include a statement that financial solvency is adequate to meet expenditures for at least one year.

J. Payments

Manufacturer/Contractor/Supplier is to submit properly completed invoice(s) to the address specified on the purchase order. To insure prompt payment, each invoice should indicate purchase order number, discount terms and include Manufacturer/Contractor/Supplier's name and return remittance address.

K. Price Adjustments

Manufacturer will be required to honor their Proposal prices for the term of the contract period.

L. Historically Under-Utilized Business (HUB)

This Agency shall make a good faith effort to utilize Historically Underutilized Businesses (HUB'S) in contracts for constructions, services, (including professional and consulting services), and commodities. Please submit proof of Historically Underutilized Business "HUB" state certificate.

If your firm is not certified, please submit *Attachment A*, if you intend to subcontract services. If not, write "none" on *Attachment A*, and submit it.

M. Minority / Women and / or Disadvantaged Business

This Agency shall make a good faith effort to utilize Minority/Women and/or Disadvantaged Businesses (M/W/DBE'S) in contracts for constructions, services, (including professional and consulting services), and commodities. Please submit proof of City of Houston M/W/DBE certificate.

N. Direct or Indirect Assignment

The successful Contractor will not be permitted to directly or indirectly assign its rights and duties under the contract without express approval by MHMRA.

O. Form W-9

Manufacturers are to complete W-9 Form and Submit with their Proposal documents. (**Attachment D**)

P. Documents

All Information and drawings will be provided electronically. The Engineer will arrange with A&E to have the Proposal Package, including the drawings, available to be printed upon request by any interested party at that party's expense.

Q. Engineer

Redding Linden Burr, 801 Travis, Ste. 2000, Houston, TX 77002. **Phone:** (713) 237-9800.

SECTION IV – PROPOSAL STIPULATIONS AND REQUIREMENTS

A. Modification or Withdrawal of Proposals

Any Proposal may be modified or withdrawn prior to the deadline, provided such modification or withdrawal is submitted prior to the deadline. Any modification received after the deadline shall be deemed late and will not be considered.

B. Offer and Acceptance Period

All Proposals must be an irrevocable offer valid for one hundred twenty (120) days after the Proposal opening date.

C. Late Proposals

Any Proposal received after the stated deadline shall be deemed late and will not be considered.

D. Irregularities in Proposals

Except as otherwise stated in this Request for Proposal, evaluation of all Proposals will be based solely upon information contained in the Supplier's response to this Proposal. MHMRA shall not be held responsible for errors, omissions or oversights in any Supplier's response to this Proposal. MHMRA may waive technical irregularities, which do not alter the price or quality of the services.

MHMRA shall have the right to reject Proposals containing a statement, representation, warranty or certification which is determined by MHMRA and its counsel to be materially false, incorrect, misleading or incomplete. Additionally, any errors, omissions, or oversights of a material nature may constitute grounds for rejection of any Proposal.

The inability of a Manufacturer to provide one or more of the required components or specified features or capabilities required by this Proposal does not, in and of itself, preclude acceptance by MHMRA of the Proposal. All Proposals will be evaluated as a whole in the best interests of MHMRA.

E. Oral Presentations

Any Manufacturer that submits a Proposal in response to this request may be required to make an oral presentation for further clarification upon MHMRA's request.

F. Amendments to the Proposal

If it becomes necessary to revise any part of this Proposal package or if additional information is necessary to clarify any provision, the revision and/or additional information will be provided to each Supplier via faxed amendment or email.

G. Availability of the Proposal

After opening, each Proposal, except those portions for which a Manufacturer/Contractor has included a written request for confidentially (e.g., proprietary information), shall be open to public inspection.

H. Retention of Proposals

All Proposals considered by MHMRA shall become the property of MHMRA and shall not be returned.

I. Notice “Not to Participate” Form

Manufacturers/Contractors must respond to the Proposal request whether they can or cannot provide the products, supplies and/or services listed in the Proposal request. (*See Attachment C*)

J. Incurred Expenses

MHMRA shall not be responsible for expenses incurred by a Manufacturer/Contractor in the preparation and submission of a Proposal. This provision also includes any costs involved in providing an oral presentation of the Proposal.

K. Deviation Form

Each Proposal shall contain a Deviation Form, which states the perspective Manufacturer/Contractor's commitment to the provisions of this Request for Proposal. An individual authorized to execute contracts shall sign the Deviation form. Any exceptions taken to the terms and conditions identified in this Proposal Package must be expressly stated in the Deviation Form. (*See Attachment B*)

L. Subcontractors

All provisions and/or stipulations within this Proposal also apply to any authorized subcontractors.

M. Term of Contract

The intent of the RFP is to award a Purchase Order, to the lowest cost, qualified Manufacturer/Contractor who can provide and meet all specified requirements of this Request for Proposal.

N. Pricing

Each Manufacturer/Contractor shall provide responses to “Proposal Reply” page with their costs detailed as requested.

O. Licensure

The Manufacturer/Contractor shall submit, with their Proposal, a copy of any other license(s), certification(s), registration(s), etc. as required by authorities having jurisdiction; local, state, county, and/or federal for the Contractor to operate.

SECTION V - INSURANCE REQUIREMENTS

A. Policies, Coverages, and Endorsements.

Contractor agrees to maintain the following insurance policies, with the specified coverages and limits, to protect and insure the Agency and Contractor against any claim for damages arising in connection with Contractor's responsibilities or the responsibilities of Contractor's personnel under this agreement **and all extensions and amendments thereto.**

1- Commercial General Liability

Each Occurrence	\$1,000,000
General Aggregate	\$2,000,000 for bodily injury and property damage combined.

2 - Workers' Compensation & Employers' Liability

Medical & Indemnity	Statutory Requirements
Bodily Injury by Accident	\$500,000 Each Accident
Bodily Injury by Disease	\$500,000 Each Employee
Bodily Injury by Disease	\$500,000 Policy Limit

A CURRENT "CERTIFICATE OF INSURANCE" **MUST ACCOMPANY ALL PROPOSALS**

B. Insured Parties

Policy numbered 1 (Commercial General Liability) shall contain a provision naming the Agency (and its officers, agents and employees) as Additional Insured parties on the original policy and all renewals or replacements during the term of this agreement.

C. Subrogation

Policies numbered 1 must contain a Waiver of Subrogation endorsement to the effect that the issuer waives any claim or right in the nature of subrogation to recover against the Agency, its officers, agents or employees.

D. Proof of Insurance

The policies, coverage's and endorsements required by this provision shall be shown on a Certificate of Insurance on which the Agency must be listed as the Certificate Holder and which should be furnished to the Agency prior to the commencement of this agreement. All such insurance shall be secured and maintained with an insurance company, or companies, licensed to do business in the State of Texas. The Agency may withhold payments under the terms of this agreement until the firm furnishes the Agency copies of all Certificates of Insurance from the insurance carriers, showing that such insurance is in full force and effect.

E. Cancellation

New Certificates of Insurance shall be furnished to the Agency at the renewal date of all policies named on these Certificates. Firm shall give the Agency thirty (30) days prior written notice of any proposed cancellation of any of the above described insurance policies.

F. Indemnity

To the extent permitted under the Constitution and the laws of the State of Texas, Contractor hereby agrees to indemnify and hold harmless the Agency and all of its directors, officers, employees, and agents from all suits, actions, claims or cost of any character, type, or description brought or made on account of any injuries, death, or damage received or sustained by any person or persons or property, including but not limited to clients, arising out of or occasioned by any acts or negligence of Contractor or Contractor's personnel, if any, or its agents or employees whether occurring during the performance of the services hereunder or in the execution of the performance of any of its duties under this agreement.

SECTION VI - PROPOSAL CONTENTS

Title Page:

- Name of Manufacturer/Contractor, local address, telephone number, fax number, e-mail address and contact name.

Table of Contents:

All Proposals must include the following information:

- Clear identification of information by section and page.
- A list of at least three (3) references where your firm has provided services that pertain to the size and scope of this project (within the last 2 years).
- A current "CERTIFICATE OF INSURANCE" must accompany all Proposals.
- A W-9 must accompany all Proposals.

Proposal:

- Manufacturer must provide a brief history of company, including but not limited to ownership, date started business, mission statement, etc.
- Manufacturer must supply a price schedule as per the enclosed template "Proposal Reply Page".
- Must state the number of calendar days manufacturer will take to ship equipment from date of executed Purchase Order.
- Must bear the **original signature** of a principal or authorized officer of the interested party.
- Must be typed.
- Interested parties are encouraged to submit along with their Proposal any additional descriptive information about their services which they believe might be helpful.
- All Proposals must be submitted with one original and five (5) additional photocopies, and an electronic copy (CD-ROM or Floppy) and mailed or delivered in a sealed envelope to MHMRA of Harris County.

Additional documents to be submitted:

- Manufacturer must submit a copy of their latest audited financial statement. A letter from your CPA is an acceptable alternative for Non Public companies, but must include a statement that financial solvency is adequate to meet expenditures for at least one year.
- Proof of Insurance
- Submit proof of Historically Underutilized Business "HUB" State Certificate and/or City of Houston M/W/DBE Certificate. (Attachment A)
- If your firm is not certified, provide a statement to the effect if you intend to subcontract or affiliate with a certified firm and what percentage of work will be given to them.
- Deviation Form (Attachment B)
- Notice "Not to Participate" Form (Attachment C)
- Signature Page

****PLEASE INCLUDE ANY ADDITIONAL DESCRIPTIVE LITERATURE, WHICH MIGHT BE OF ASSISTANCE IN THE DECISION-MAKING PROCESS.****

SECTION VII – SPECIALIZED SERVICES TO BE PROVIDED

Scope of Work: Chiller Replacement at 7011 Southwest Freeway

This requests proposal for one 150 ton new chiller (equipment only; installation is excluded). Five years' maintenance and service is also requested.

PROPOSAL DOCUMENTS

Proposal documents consist of:

- THIS REQUEST FOR PROPOSALS
- AIR-COOLED CHILLER SCHEDULE DATED 06/10/10
- SPECIFICATIONS SECTION 236411; AIR COOLED CHILLERS, DATED 12/2010

INSTRUCTIONS

1. Respondents must use the attached CHILLER SUMMARY FORM to summarize and submit their proposals. Also submit:
 - a. Dimensional drawings on each chiller.
2. Indicate on the proposal form whether any exceptions are taken to the contract specifications. Attach documentation clearly defining any exceptions.
3. Proposals are requested for 3 selections- read the notes on the Chiller Schedule to understand the Owner's evaluation criteria.
4. Please note that all NPLV calculations shall be made at the conditions stipulated on the schedule. (AHRI-condition data is also requested for energy code compliance purposes only).
5. In addition to the request selections, the respondent may (but is not required to) submit up to 3 voluntary alternate chiller selections.
6. There is no pre-proposal meeting for the project.

AIR COOLED CHILLER SCHEDULE	
PROJECT MHMRA - 7011 SWF	
TAG	CH-1
TYPE	SCROLL, OR SCREW
MICROPROCSSR CONTROL	
MINIMUM PEAK CAPACITY, TONS	150
REFRIGERANT	R-410A OR 134A
OPERATES DOWN TO , DEG F	25
MIN. STEPS OF CAPACITY	4
MIN. INDEP REFRIG CIRCUITS	2
MINIMUM OPERATING LOAD, PERCENT	25
CONDENSING AIR TEMP. °F	95
ENT WATER, °F	54
LVG WATER, °F	42
GPM	347
MAX PRESS DROP, FT WTR	15
FOULING FACTOR	0.00025
MAX KW INPUT @ SCHED CAP	179.1
MIN ARI EER	9.4
VOLTS/CYCLESOLTS/PH/CYCLES	460/60460/3/60
ACCESSORIES	
FLOWSWITCH	YES
LVG WATER RESET	YES
CONTROL POWER XFRMR	YES
BLDG AUTOMTN INTERFACE	YES
5 YR COMPRESSOR WARRANTY	YES
COIL COATING	NO
COIL LOUVERS	YES
DISCONNECT SWITCH	YES
SOUND ATTENUATION	YES
VIB ISOLATION	YES
120 VOLT CONV OUTLET	YES
CARRIER MODEL OR EQ	30RB150

SECTION VIII - PROPOSAL EVALUATION PROCESS

Not all evaluation factors are equal in importance and each factor is weighted in accordance with its importance to MHMRA

The evaluation may not be limited to these when making a final recommendation.

A.	Overall Project Concept 25%	Indication that the Manufacturer has an understanding of the equipment and the overall project including providing the chiller to MHMRA through a competitively selected mechanical contractor.
B.	Experience and Capacity 15%	Evidence that the Manufacturer has successfully supplied equipment of similar size and description for other projects.
C.	Financial Viability 15%	Verifiable proof of company financial viability and solvency
D.	Price 35%	Provide adequate information to assure the MHMRA project team that the description and requirements of the equipment presented have been adequately understood and identified and that the chiller has been priced knowledgeably and competitively.
E.	Cost Savings & Value Engineering Suggestions / Creative Teamwork 10%	It is the expectation of MHMRA that the cost of this chiller should be within a very narrow range, and the equipment proposed, experience, delivery schedule, understanding of delivery to and collaboration with an eventual installer, and the ability to have a good working relationship with the MHMRA project team, will be critical components of a successful project. An oral presentation may be required from the manufacturer selected by the MHMRA project team for further consideration once other criteria have been evaluated.

SECTION IX - PROPOSAL REPLY PAGE

**MHMRA OF HARRIS COUNTY
CHILLER REPLACEMENT AT 7011 SOUTHWEST FREEWAY**

Proposal Closing: 10:00 a.m., Monday, December 27, 2010

Submitted by: _____

Scope of Work: CHILLER REPLACEMENT (Excel Spreadsheet will be a separate attachment)

TAG	MANDATORY 150 TON SELECTIONS			ALTERNATE SELECTION	ALTERNATE SELECTION
	SELECTION '150A' (MEETS 90.1-2007)	SELECTION '150B' (EXCEEDS 90.1-2007) (OPTIMAL FULL LOAD KW/TON)	SELECTION '150C' (EXCEEDS 90.1-2007) (OPTIMAL NPLV)		
TYPE (CENTRIFUGAL OR SCREW)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
PEAK CAPACITY, TONS EACH CHILLER, AT PROJECT CONDITIONS	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
REFRIGERANT (STATE IF 123 OR 134A)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
UNLOADING TO (% OF FULL LOAD)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
CHILLED WATER GPM	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
EVAP PRESS DROP, FT	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
NUMBER OF COMPRESSORS	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
CONDENSER FAN HP	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
NUMBER OF FANS	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
FAN DIAMETER	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
VARIABLE FREQ DRIVE (YES OR NO)	(YES OR NO)	(YES OR NO)	(YES OR NO)	(YES OR NO)	(YES OR NO)
APPROX LENGTH X WIDTH X HEIGHT, INCHES	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
APPROX OPERATING WEIGHT, LBS	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
FULL LOAD KW/TON, AT <u>PROJECT</u> CONDITIONS	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
NPLV (AT <u>PROJECT</u> CONDITIONS (NOT AHRI))	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
FULL LOAD KW/TON, AT <u>ARI</u> CONDITIONS	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
IPLV, AT <u>AHRI</u> CONDITIONS	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)	(FILL IN DATA)
BASE PROPOSAL FOR <u>ONE</u> SUCH CHILLER (IN NUMBERS)	\$XXXXXXX.00	\$XXXXXXX.00	\$XXXXXXX.00	\$XXXXXXX.00	\$XXXXXXX.00
BASE PROPOSAL FOR <u>ONE</u> SUCH CHILLER (IN WORDS)	XXXDOLLARS AND XXX CENTS	XXXDOLLARS AND XXX CENTS	XXXDOLLARS AND XXX CENTS	XXXDOLLARS AND XXX CENTS	XXXDOLLARS AND XXX CENTS
DELIVERY TIME, CALENDAR DAYS	XX DAYS	XX DAYS	XX DAYS	XX DAYS	XX DAYS
NOTES:				DEVIATIONS FROM SPECS	DEVIATIONS FROM SPECS
KW/TONS & NPLVS INCLUDE VFD DRIVE LOSSES				(LIST DEVIATIONS BELOW)	(LIST DEVIATIONS BELOW)

SECTION X - SIGNATURE PAGE

MENTAL HEALTH MENTAL RETARDATION AUTHORITY OF HARRIS COUNTY IN ITS SOLE AND ABSOLUTE DISCRETION SHALL HAVE THE RIGHT TO AWARD CONTRACTS FOR ANY OR ALL MATERIALS LISTED IN EACH PROPOSAL, SHALL HAVE THE RIGHT TO REJECT ANY AND ALL PROPOSALS, AND SHALL NOT BE BOUND TO ACCEPT THE LOWEST PROPOSAL AND SHALL BE ALLOWED TO ACCEPT THE TOTAL PROPOSAL OF ANY ONE VENDOR.

THIS SUBMISSION IS GUARANTEED AS AN IRREVOCABLE OFFER VALID FOR ONE HUNDRED TWENTY (120) DAYS AFTER THE PROPOSAL OPENING DATE.

Authorized Signature

Firm's Name

Typed or Printed Name

Number and Street

Title

City, State, Zip Code

() _____
Telephone Number

() _____
Fax Number

E-mail Address

***Proposal Will Not Be Accepted If This Page
Is Not Signed By An Authorized Representative.***

SECTION XI - ATTACHMENTS

**A – HUB SUBCONTRACTING PLAN
(Historically Underutilized Business)**

B - DEVIATION FORM

Any exceptions to terms and/or conditions must be identified in the Deviation Form (*See Attachment B*).

C – NOTICE “NOT TO PARTICIPATE” FORM

D – W – 9

E –SPECIFICATIONS

F - DRAWINGS

ATTACHMENT A

**HUB SUBCONTRACTING PLAN
HISTORICALLY UNDERUTILIZED BUSINESS**

**(HUB-LOI IS USED BY POTENTIAL CONTRACTOR/SUPPLIER TO IDENTIFY SUB-
CONTRACTORS SELECTED FOR WORK ON THE CONTRACT)**

Contractor _____ Supplier Identification Number: _____

Address: _____

Phone: ____ - ____ - ____ Proposal Number: _____ Contract Amount: _____

Description of commodities/specifications: _____

Duration of Contract: _____

Name of Subcontractor/Supplier: _____

Address: _____

Phone: ____ - ____ - ____ Is the subcontractor a certified HUB? _____ Yes _____ No

If yes, enter the GSC Certificate (VID) number: _____

Dollar amount of contract with subcontractor/supplier: \$ _____

Percentage amount of contract with subcontractor/supplier: % _____

Description of materials/services performed under agreement with the subcontractor
for amount indicated above:

PLEASE SUBMIT A SEPARATE FORM FOR EACH SUBCONTRACTOR/SUPPLIER

ATTACHMENT B

DEVIATION FORM

All deviations to this Solicitation (Proposal) must be noted on this sheet. In the absence of any entry on this Deviation Form, the prospective Contractor assures MHMRA of their full agreement and compliance with the Specifications, Terms and Conditions.

Each response to this Solicitation shall contain a Deviation Form, which states the prospective Mfg/Contractor's commitment to the provisions of this Solicitation. An individual authorized to execute contracts must sign the Deviation Form. Any exceptions taken to the terms and conditions identified in this Solicitation Package must be expressly stated in the Deviation Form. (*Attachment B*)

THIS DEVIATION FORM MUST BE SIGNED BY EACH PROSPECTIVE MFG./CONTRACTOR WHETHER THERE ARE DEVIATIONS LISTED OR NOT, AND SUBMITTED WITH THIS SOLICITATION

SPEC # Section # Or Page #	DEVIATION

Company Name

Authorized Signature

Date

ATTACHMENT C

NOTICE “NOT TO PARTICIPATE” FORM

Dear Supplier

Please check the appropriate box below, complete the remainder of this form and return it PRIOR to the scheduled Date and Time:

- Our company cannot provide the products, supplies and/or services listed in this request. Please MOVE our name and address to the following category(ies) so that we may Proposal at a later date:**

Category(ies): _____

- We have chosen NOT to submit a Proposal at this time, but would like to remain on your list for this Proposal category. We did not submit a Proposal because:**

Reason(s): _____

- Please REMOVE our name from all MHMRA Harris County lists until further notice.**

Reason(s): _____

Company Name: _____

Representative: _____

Please Print

Address: _____ **Phone ()** _____

E-mail: _____ **Fax ()** _____

PLEASE RETURN THIS FORM ONLY TO:

**MHMRA Harris County
Purchasing Department
Notice “Not to Participate” - < CHILLER REPLACEMENT AT 7011 SW FRWY >
7011 Southwest Freeway
Houston, Texas 77074**

Authorized Signature: _____

Title: _____ **Date:** _____

SUPPLIERS WHO RESPOND TO THIS INVITATION WITH A COMPLETED PROPOSAL FORM WILL REMAIN ON OUR MAILING LIST. SUPPLIERS MAKING NO RESPONSE MAY BE REMOVED FROM THAT LISTING. Thank you for your time and assistance.

ATTACHMENT D – FORM W-9, Rev. October 2007, REQUEST FOR TAXPAYER IDENTIFICATION NUMBER AND CERTIFICATION

**Form W-9, Pages 1 – 4
Attached**

Suppliers are to complete this form and submit with their Proposal documents. Go to attached link for W-9, if Solicitation was emailed.

<http://www.irs.gov/pub/irs-pdf/fw9.pdf>

ATTACHMENT E

SPECIFICATIONS

Redding Linden Burr SPEC- EDITED Revised 12/2010
SECTION 23 64 11

PACKAGE WATER CHILLERS - RECIPROCATING, SCROLL, AND SCREW PART 1 GENERAL

1.1 SUMMARY

A. Section includes chiller package, charge of refrigerant and oil, controls and control connections, chilled water connections, condenser water connections, refrigerant connections, auxiliary water connections, starters.

B. The selected chiller shall achieve LEED 2009 Enhanced Refrigerant Management Credit EA 4 Option 2 and not exceed the 100 score threshold for combined contributions to ozone depletion and global warming potential, when using LEED default values for equipment life and end of life refrigerant loss

C. Air-Conditioning and Refrigeration Institute:

- ARI 550/590 - Water Chilling Packages Using the Vapor Compression Cycle.
- D. American Society of Heating, Refrigerating and Air-Conditioning Engineers:
- ASHRAE 90.1 - Energy Standard for Buildings Except Low-Rise Residential Buildings.
- E. American Society of Mechanical Engineers:
- ASME Section VIII - Boiler and Pressure Vessel Code - Pressure Vessels.
- F. National Electrical Manufacturers Association:
- NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum).
- 1.2 DEFINITIONS
- A. Coefficient of Performance (COP) - cooling: The ratio of the rate of heat removal to the rate of energy input, in consistent units, for a complete refrigerating system or some specific portion of that system under designated operating conditions.
- B. Integrated Part-Load Value (IPLV): A single-number figure of merit based on part-load EER, COP, or kW/ton expressing part-load efficiency for air-conditioning and heat pump equipment on the basis of weighted operation at various load capacities for the equipment.
- 1.3 SUBMITTALS

A. Shop Drawings: Indicate components, assembly, dimensions, weights and loads, required clearances, and location and size of field connections. Indicate valves, strainers, and thermostatic valves required for complete system.

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B. Product Data: Submit rated capacities, weights, specialties and accessories, electrical requirements, wiring diagrams, and control diagrams.

C. Manufacturer's Installation Instructions: Submit assembly, support details, connection requirements, and include startup instructions.

D. Manufacturer's Certificate: Certify products meet or exceed specified requirements including those furnished but not produced by manufacturer.

E. Manufacturer's Field Reports: Submit start-up report [for each unit]. Indicate results of leak test and refrigerant pressure test.

1.4 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: Submit start-up instructions, maintenance data, parts lists, controls, and accessories. Include trouble-shooting guide.

1.5 QUALITY ASSURANCE

A. Conform to ARI 550/590 code for testing and rating of scroll or screw water chillers.

B. Performance Ratings: Coefficient of Performance (COP) and Integrated Part-Load Value (IPLV) not less than prescribed by ASHRAE 90.1.

1.6 QUALIFICATIONS

A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years experience and with service facilities within 50 miles of Project].

B. Installer: Company specializing in performing Work of this section with minimum three years experience and approved by manufacturer.

1.7 PRE-INSTALLATION MEETINGS

A. Pre-installation meeting - Convene prior to commencing work of this section.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Chillers will be accepted by the selected contractor.

B. Chillers will be inspected for damage before leaving factory and will be inspected again by accepting contractor.

C. Any damage from shipping will be addressed by factory.

1.9 WARRANTY

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A. Furnish five year manufacturer warranty to include coverage for complete assembly including materials and labor.

1.10 MAINTENANCE SERVICE

A. Maintenance service will be provided by the installing contractor.

1.11 MAINTENANCE MATERIALS

A. Spare parts and maintenance products will be determined by selected contractor.

PART 2 PRODUCTS

2.1 PACKAGED WATER CHILLERS

A. Manufacturers:

- Carrier Corp
- McQuay
- The Trane Company
- York

B. Product Description: Factory assembled and tested, packaged, liquid chillers consisting of hermetic or semi-hermetic, scroll or screw compressors, compressor motor, condenser], evaporator, refrigeration accessories, instrument and control panel including gages and indicating lights, auxiliary components and accessories, and motor starters.

2.2 HERMETIC COMPRESSORS

A. Reciprocating Compressors:

- Unit: Hermetically sealed motor-compressor with crankcase heater, suction and discharge service valves, rubber-in-shear isolators, and control panel.
- Motor: Constant speed 3600 rpm, suction gas cooled with overheating protection.
- Crankcase Heater: Energize when compressor is not operating.

2.3 SEMI-HERMETIC COMPRESSORS

A. Screw Compressors:

- Unit: Direct drive, semi-hermetic 3600 RPM, fixed compression, rotary screw compressor with control panel.
- Features: Differential refrigerant pressure oil pump, oil heater, oil separator and filter and oil charging valve.
- Motor: Suction gas-cooled, hermetically sealed, squirrel cage induction.

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- . Automatic Capacity Reduction: Continuously variable slide valve with infinitely variable control to 25 percent of full load.
- . 2.4 EVAPORATOR
- . A. Shell and tube type, seamless or welded steel construction with cast iron or fabricated steel, heads, seamless copper tubes or red brass tubes with integral fins, rolled or silver brazed into tube sheets. Furnish multiple refrigerant circuits on multiple compressor units.
- . B. Design, test, and stamp refrigerant side for 225 psig working pressure and water side for 150 psig working pressure, in accordance with ASME Section VIII.
- . C. Insulate with 0.75 inch minimum thick flexible [expanded polyvinyl chloride] insulation with maximum K factor of 0.28.
- . D. Furnish water drain connection and thermometer wells for temperature controller and low temperature cutout.

2.5 CONDENSER COILS, FANS AND MOTORS

A. Coils: Aluminum fins mechanically bonded to seamless copper tubing. Furnish sub-cooling circuits as applicable. Air test under water to 425 psig, and [vacuum] dehydrate. Seal [with holding charge of [nitrogen] [refrigerant]].

B. Coil Guard: Expanded metal with lint screens.

C. Configuration: Two refrigeration circuits each with receiver.

D. Vertical direct driven propeller type condenser fans with fan guard on discharge , equipped with roller or ball bearings with grease fittings extended to outside of casing.

E. Weatherproof motors suitable for outdoor use, single phase permanent split capacitor or 3 phase, with permanent lubricated ball bearings and built-in current and thermal overload protection.

2.6 REFRIGERANT CIRCUIT

A. Factory furnished and piped.

B. Furnish for each refrigerant circuit:

- . Liquid line solenoid valve.
- . Filter dryer (replaceable core type).
- . Liquid line sight glass and moisture indicator.
- . Thermal expansion for maximum operating pressure.
- . Charging valve.
- . Insulated suction line.
- . Discharge line check valve.

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- . Compressor discharge service valve.
- . Pressure relief device.
- . 2.7 CONTROLS

A. On or near chiller, mount steel control panel with NEMA 250 Type [3] enclosure, containing starters, power and control wiring, factory wired with single point power connection.

B. For each compressor, furnish across-the-line starter, non-recycling compressor overload, starter relay, and control power transformer or terminal for control power. Furnish manual reset, current overload protection.

C. Furnish devices on control panel face:

- . Compressor, run lights.
- . System start-stop switch.
- . Control power fuse or circuit breaker.
- . Compressor lead-lag switch.
- . Demand limit switch.
- . D. Furnish safety controls with indicating lights arranged so machine is shut down and requires manual reset:
 - . Low chilled water temperature switch.
 - . High discharge pressure switch [for each compressor].
 - . Low suction pressure switch [for each compressor].
 - . Oil pressure switch.
 - . Flow switch in chilled water line.
 - . Relay for remote mounted emergency shutdown.
- . E. Furnish the following operating controls:
 - . Multi-step chilled water temperature controller to cycle compressor and activate capacity controls [, with remote thermostat].
 - . Five minute off timer prevents compressor from short cycling.
 - . Part winding start timer.
 - . Periodic pump-out-timer to pump down on chilled water flow and high evaporator refrigerant pressure.
 - . Controls for operation down to 32 degrees F ambient temperature.
 - . Thermostat to cycle fan motors in response to out-door ambient temperature.
 - . Head pressure switch to cycle fan motors in response to refrigerant condensing pressure.
 - . Solid state control to vary speed of one condenser fan motor in response to refrigerant condensing pressure.
 - . Electronic low ambient control consisting of mixing damper assembly, controlled to maintain constant refrigerant condensing pressure.
 - . Load limit thermostat to limit compressor loading on high return water temperature.
 - . Three phase monitor to protect unit by stopping compressor on phase loss, phase reversal, phase unbalance, or under voltage.

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Hot gas bypass sized for minimum compressor loading, bypasses hot refrigerant gas to evaporator.

Cycle counter and operating hour meter.

F. Furnish pre-piped gage board with pressure gages for suction and discharge refrigerant pressures, and oil pressures [for each compressor].

G. Furnish alarm package with test button and lights indicating control circuit is energized, compressor is running, and sounds audible alarm and activates indicating light upon detection of compressor malfunction, low chilled water temperature, or evaporator water flow failure.

H. For multiple units, furnish remote mounted sequence panel to allow operation in [series] [parallel] with lead-lag switching.

2.8 CHILLER PERFORMANCE

A. Chiller Capacity: 150 Tons

2.9 ELECTRICAL CHARACTERISTICS AND COMPONENTS

A. Electrical Characteristics: In accordance with drawings

B. Motors: In accordance with Section 23 05 13.

C. Disconnect Switch: Factory mount on equipment.

2.10 SOURCE QUALITY CONTROL (AND TESTS)

A. Units shall be factory tested.

B. Make completed chillers available for inspection at manufacturer's factory prior to packaging for shipment. Furnish at least seven days notice before packaging is scheduled.

C. Allow witnessing of factory inspections and tests at manufacturers test facility. Furnish at least seven days notice before inspections and tests are scheduled.

END OF SECTION

ATTACHMENT F – Proposal Drawings’ List

RLB drawing M – 3.10 dated 11/18/2010

RLB drawings issued under this Request For Proposal for *informational reference only*.

ME – 1.10 dated 11/18/2010

ME – 1.20 dated 11/18/2010

ME – 2.10 dated 11/18/2010

ME – 2.20 dated 11/18/2010

M - 3.00 dated 11/18/2010

ME – 3.20 dated 11/04/2010

M - 3.3 dated 3/30/2010

M - 4.10 dated 11/04/2010

E - 1.10 dated 3/30/2010

E - 1.20 dated 3/30/2010

