



## **HEP** Project **Proposal**

Chiller #1 & #3 Gen 2  
Upgrade

Moore Norman Technology Center

**Contract**

PROPOSAL# PR06832

**Date**

8/31/2026

**Prepared for**

Moore Norman Technology Center  
4701 12th Ave NW  
Norman, OK 73069

**Prepared by**

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405-658-8376  
JBarry@harrisonenergy.com



**Harrison**  
**Energy Partners**  
Commercial HVAC Excellence

# WE ARE champions OF FREEDOM

The freedom to do and outdo is the HEP difference. We empower success for our partners by delivering comfort and control no matter what. Your building's purpose stays the focal point with a team focused on your success, today and tomorrow.

## **FREEDOM FROM FAILURE**

Experience equals safety with long-tenured HVAC experts who anticipate hidden challenges that stall progress. Take comfort with the confidence that safe and innovative solutions are at the core of everything we do.

**.68 EMR SAFETY RATING**

**~20 Degreed Engineers**

**~50 Journeymen**

## **FREEDOM TO CHOOSE**

Choice is the ultimate expression of confidence. Clients choose us, year after year, because we provide endless custom solutions as well as open protocol systems — creating the ultimate level of access and control.

**30 HVAC Lines**

**Open Controls, including Tridium, KMC Controls and JCI ABCS**

**Represent Daikin, World's Largest HVAC Manufacturer**

## **FREEDOM AROUND THE CLOCK AND AROUND THE CORNER**

Respect the unexpected with 24/7 service and local techs dispatching from four offices across Arkansas and Oklahoma. No matter who broke it, we'll be there to fix it.

**~Over 150 Associates**

**~75 Local Service & Controls Technicians**

**Servicing over 6,800+ Calls Annually**

# HEP Project **Proposal**

**Harrison Energy Partners**  
416 Hudiburg Circle  
Suite A  
Oklahoma City, OK 73108  
Ph: 405-658-8376

Proposal Date: 8/31/2026  
Proposal Number: PR06832

**Customer (Bill-To Identity)**  
Moore Norman Technology Center  
4701 12th Ave NW  
Norman, OK 73069  
Nicholas Farrand

**Location of Work**  
Moore Norman Technology Center  
4701 12th Ave NW  
Norman, OK 73069  
Nicholas Farrand

**WE ARE PLEASED TO SUBMIT OUR PROPOSAL TO PERFORM THE FOLLOWING:**

## **Project Overview**

Provide all necessary labor, materials, equipment, and factory-authorized service necessary to repair and modernize the existing Daikin Magnitude® WME chiller (Chiller #1 & Chiller #3) utilizing the Daikin360 Chiller Upgrade Program. The upgrade will replace the existing compressors and modernize the chiller's variable frequency drive and control platform with Daikin's latest available technology. The program is intended to extend the useful life of the existing chillers while incorporating current-generation Daikin compressor, drive, and controls technology.

## **Step 1 – Chiller Shutdown & Refrigerant Recovery**

- Coordinate chiller shutdown with Owner/Facility personnel.
- Perform required lockout/tagout procedures.
- Recover and weigh the existing refrigerant charge.
- Properly contain and store recovered refrigerant for reuse.
- Prepare the chiller for compressor, VFD, and controls replacement.
- Additional refrigerant required due to an existing shortage, loss, or other condition is excluded from this scope unless specifically stated otherwise.

## **Step 2 – Compressor Replacement & Upgrade**

Disconnect and remove the existing compressor assembly.  
Furnish and install a new Daikin compressor assembly utilizing Daikin's updated WME compressor technology.

- Newly designed bearings providing more robust construction.
- New Motor Bearing Assembly (MBA) designed and assembled by Daikin.
- Improved Motor Bearing Controller (MBC).

- Complete required mechanical, refrigerant, electrical, and controls connections associated with installation of the new compressor.
- Install applicable seals, gaskets, O-rings, hardware, and associated components required for the compressor replacement.

### **Step 3 – Variable Frequency Drive (VFD) Replacement & Upgrade**

- Remove the existing chiller VFD and install Daikin's updated WME variable frequency drive technology.
- Air-cooled design replacing the original refrigerant-cooled VFD.
- New voltage-source design utilizing fewer components.
- Compact drive configuration with a smaller footprint compared to the original drive.
- Improved harmonic design for reduced line noise.
- Complete required power, electrical, communication, and control connections associated with installation of the new VFD.

### **Step 4 – Orion Controls Platform Upgrade**

- Remove applicable existing chiller control components and upgrade the machine to Daikin's latest Orion control platform.
- Latest-generation Daikin Orion control platform.
- Industrial-rated PC, HMI, and monitor components for improved reliability.
- Improved chiller unloading control.
- Inverted operation capability to improve operation during shoulder-season conditions.
- Continuous inverted operation capability.
- Enhanced cooling tower control capabilities.
- Daikin Applied-designed and supported control architecture.
- Complete required wiring, communication, sensor, and control connections associated with the new controls platform.

### **Step 5 – Chiller Reassembly & Refrigerant**

- Complete all required mechanical and electrical reassembly.
- Verify refrigerant piping and connections disturbed during the repair.
- Perform applicable leak testing.
- Evacuate affected portions of the refrigerant circuit as required.
- Recharge the chiller utilizing the refrigerant recovered from the machine.
- Verify refrigerant charge as operating conditions allow.
- Additional refrigerant, if required, is excluded and will be quoted separately.

### **Step 6 – Startup, Calibration & Commissioning**

- Configure the new Orion controls platform.
- Install/update applicable Daikin chiller software.
- Configure and commission the replacement compressor.
- Perform required compressor and magnetic-bearing calibration.
- Configure and verify operation of the new VFD.
- Verify applicable electrical and control voltages.

- Verify chiller sensors, safeties, inputs, and outputs.
- Verify communication between the compressor, VFD, and Orion controls platform.
- Review applicable compressor and chiller fault history.
- Start and operate the chiller.
- Verify compressor and magnetic-bearing operation.
- Verify VFD operation.
- Verify chiller loading and unloading operation.
- Verify chiller operation under available building load and condenser-water conditions.
- Perform a complete operational log of the machine.
- Extract and retain applicable final commissioning, calibration, and operating reports.
- Provide applicable commissioning documentation to the Owner.

## **Step 7 – New Equipment Data Tag & Machine Identification**

- Install the new Daikin equipment data tag/nameplate provided as part of the upgrade.
- Record the new machine identification and serial number.
- Update applicable equipment documentation to reflect completion of the WME modernization.
- Provide updated equipment identification information to the Owner.

## **Step 8 – Warranty & Project Closeout**

- Complete applicable Daikin startup and commissioning documentation.
- Provide final operating and commissioning information to the Owner.
- Establish the completed commissioning data as the new operating baseline for the upgraded chiller.
- Provide a 2-year Daikin parts and labor warranty for the upgraded chiller in accordance with the Daikin360 WME Chiller Upgrade Program.

## **Exclusions & Clarifications**

- Additional or replacement refrigerant.
- Chilled water or condenser water system repairs.
- Cooling tower or pump repairs.
- Building electrical modifications outside of the chiller.
- Building Automation System (BAS) modifications outside of the required chiller interface.
- Repairs resulting from pre-existing conditions outside of the components included in the Daikin360 WME Upgrade Program.
- Water treatment or chemical treatment.
- Heat exchanger tube repairs or replacement.
- Eddy current testing and tube cleaning unless specifically included elsewhere in the proposal.
- Premium time, temporary cooling, or rental equipment unless specifically stated.

Any additional deficiencies discovered during the repair that fall outside the stated Daikin360 WME Chiller Upgrade scope will be documented and presented to the Owner for approval prior to performing additional work.

**OUR PRICE FOR THIS PROPOSAL IS (excluding tax).....\$791,886.00**

**PRICING VERIFICATION:** Pricing may need to be updated if approved after 30 days from proposal date.

**TERMS OF PAYMENT:** Monthly Progress Billing. Material and equipment furnished under this proposal shall remain the property of the seller until final payment has been received.

Upon execution as provided below, this agreement, including the following pages attached hereto (collectively, the “Agreement”), shall become a binding and enforceable agreement against both parties hereto. Customer, by execution of this Agreement, acknowledges that it has reviewed and understands the attached terms and conditions and has the authority to enter into this Agreement.

**Harrison Energy Partners (Company)**

Signature (Authorized Representative)

Jason Barry

Name (Print/ Type)

405-658-8376

Phone

8/31/2026PR06832

DateProposal #

**Customer**

Signature (Authorized Representative)

Name (Print/ Type)

Title

DatePO#

# HEP Terms & Conditions

## ACCEPTANCE AND PRICES

This proposal is subject to acceptance within thirty days from date, and the prices are subject to change without notice prior to acceptance by Client. Acceptance of orders for Harrison Energy Partners ("HEP") shall be made solely by an officer of HEP. The goods and services covered in this proposal as issued are to be furnished under stated Parameters for Quoted Services when the proposal is accepted by a purchase order from the Client. This proposal does not constitute an offer to enter into a contract or subcontract with contrary terms of pricing, performance, taxes, liability, warranty, or shipping dates. If the proposal is accepted by Client, the Parameters for Quoted Services set forth herein shall be a part of the agreement.

## PERFORMANCE

HEP shall be obligated to furnish only the goods and services described in the proposal scope hereto and as described in drawings or submittal specifically prepared for the referenced project (the "Work"). The duty to perform under any order on the part of HEP and the price thereof is subject to the approval of its Credit Manager, and is also contingent upon strikes, accidents, fires, the inability to procure materials from the usual sources of supply, the requirements of the United States Government, or upon any like or unlike cause beyond the control of HEP.

## TAXES

To the prices quoted add any manufacturer's gross receipts, sales or use tax, either Federal, State or Local, payable on the transaction under any applicable statute.

## WARRANTY AND LIABILITY

HEP warrants for a period of one year from date of the commencement of the Work that the Work is free from defects in material and workmanship. No warranty is made against corrosion or deterioration. No liability whatsoever shall attach to the HEP until said products have been paid for and then said liability shall be limited to the purchase price of the items shown to be defective. THE WARRANTY AND LIABILITY SET FORTH IN THE PRIOR PARAGRAPH ARE IN LIEU OF ALL OTHER WARRANTIES AND LIABILITIES, WHETHER IN CONTRACT OR IN NEGLIGENCE, EXPRESS OR IMPLIED, IN LAW OR IN FACT, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR USE. IN NO EVENT SHALL HEP BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES.

## SHIPMENT DATES AND PERFORMANCE DATES

Dates are estimates only. No contract will be made to ship or to complete work in a specified time. Shipment shall be f.o.b. factory or warehouse at named shipping point with title passing to the Client upon delivery to the carrier by HEP.

## RETURNS

Goods must not be returned except by permission of the HEP, and when so returned will be subject to discount.

## CANCELLATION

If, following acceptance of this proposal by the Client, all or any portion of the agreement is cancelled by the Client without default on the part of the HEP or without the HEP's written consent, the Client shall be liable to the HEP for cancellation charges including but not limited to, the HEP's incurred costs and such profit as would have been realized by the HEP from the transaction had the agreement not been breached by the Client.

## AFFILIATION

Harrison Energy Partners and its affiliates are not Trane Authorized Dealers, Distributors, or Service Providers.

## EXCLUSIONS

The price quoted has been determined based on routine circumstances and occurrences within the scope of our ability to predict conditions. We therefore exclude from the term "Work" any work not specifically called out in this proposal resulting from the negligence of other parties, fire, flood, accident, hurricane, tornado, earthquake, theft, sabotage, or other calamity or malicious act. During performance of the Work or during the warranty period, work to restore or repair the equipment or property of others that is damaged by improper operating procedures, improper utility service, improper water treatment, corrosion, erosion, or by other circumstances outside those we could control by exercising normal care and diligence is not included in the term "Work" and will be done only if extra charges are approved and authorized. Also, excluded from the term "Work" is work not specifically called out, which is necessary to permit access so that the Work may be performed. HEP excludes from the term "Work" any and all removal or disposal of hazardous materials or hazardous wastes from the site of the Work.

## PAYMENT

Payment terms for goods shipped hereunder will be Net 30 days, unless expressly agreed to in writing by the HEP. The HEP reserves the right to add to any account outstanding for more than 30 days a late fee to cover administrative expenses equal to 10% of the outstanding balance and a finance charge based on the maximum allowable legal interest rate. If payment of said account is not made on or before the due date(s), and the account is placed in the hands of an attorney for collection, or suit is brought on the same, or same is collected through Probate or Bankruptcy proceedings, Client shall be liable for all such collection expenses, including attorney's fees.

## VENUE, JURISDICTION, WAIVER OF JURY

CLIENT AND THE HEP AGREE THAT WITH RESPECT TO ANY DISPUTE ARISING FROM THIS PROPOSAL OR ANY SUBSEQUENT AGREEMENT, OR WITH RESPECT TO THE WORK OR ANY PORTION THEREOF, JURISDICTION AND VENUE SHALL LIE EXCLUSIVELY IN PULASKI COUNTY, ARKANSAS. THE CLIENT AND HEP HEREBY WAIVE THEIR RIGHTS, IF ANY, TO HAVE ANY SUCH DISPUTE OR PORTION THEREOF TRIED TO A JURY.

## IMPORTANT NOTICE TO OWNER

I UNDERSTAND THAT EACH PERSON SUPPLYING MATERIAL OR FIXTURES IS ENTITLED TO A LIEN AGAINST PROPERTY IF NOT PAID IN FULL FOR MATERIALS USED TO IMPROVE THE PROPERTY EVEN THOUGH THE FULL CONTRACT PRICE MAY HAVE BEEN PAID TO THE CONTRACTOR. I REALIZE THAT THIS LIEN CAN BE ENFORCED BY THE SALE OF THE PROPERTY IF NECESSARY. I AM ALSO AWARE THAT PAYMENT MAY BE WITHHELD TO THE CONTRACTOR IN THE AMOUNT OF THE COST OF ANY MATERIALS OR LABOR NOT PAID FOR. I KNOW THAT IT IS ADVISABLE TO, AND I MAY, REQUIRE THE CONTRACTOR TO FURNISH TO ME A TRUE AND CORRECT FULL LIST OF ALL SUPPLIERS UNDER THE CONTRACT, AND I MAY CHECK WITH THEM TO DETERMINE IF ALL MATERIALS FURNISHED FOR THE PROPERTY HAVE BEEN PAID FOR. I MAY ALSO REQUIRE THE CONTRACTOR TO PRESENT LIEN WAIVERS BY ALL SUPPLIERS, STATING THAT THEY HAVE BEEN PAID IN FULL FOR SUPPLIES PROVIDED UNDER THE CONTRACT, BEFORE I PAY THE CONTRACTOR IN FULL. IF A SUPPLIER HAS NOT BEEN PAID, I MAY PAY THE SUPPLIER AND CONTRACTOR WITH A CHECK MADE PAYABLE TO THEM JOINTLY.