

Fiscal Recovery Funds  
Expenditure Documentation

Date 4/18/2022

MUSKOGEE County, Oklahoma

Identify the need or risk

The air handling piping at the county jail is at critical failure point. This along with mechanical and controls need to be updated/upgraded.

How does the proposed expenditure respond to the need or risk?

Installation of upgrades will maintain temperature levels in jail. It will also cause a savings in utility costs and reduces maintenance cost.

Expenditure Category Infrastructure

Expenditure: detail level 1.7 Capital Investments or Physical Plant Changes to Public Facilities that respond to the COVID-19 public health emergency

FAQ number (if applicable) \_\_\_\_\_

Estimated amount of expenditure \$ 189,405.46

Submitted to Governing Board by MUSKOGEE BOARD OF COUNTY COMMISSIONERS

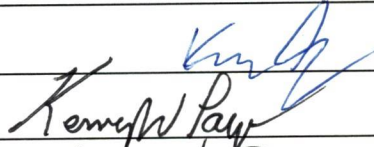
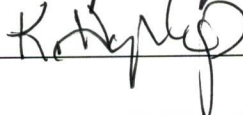
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Board Signatures

Date

Approved

Denied

Reason for denial: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Purchase Order number (if applicable) \_\_\_\_\_

Notes \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Oklahoma Chiller - Tulsa**  
 8813 State Hwy 66  
 Tulsa, OK 74131-3836  
 Phone#: 918-585-9766

**Oklahoma Chiller - OKC**  
 3737 Tinker Diagonal  
 Del City, OK  
 Phone#: (405) 672-1100



<b>Customer (Bill To):</b>  Muskogee County Jail 220 State Street  Muskogee, OK 74401	<b>QUOTATION</b>  Quote #: 11960 Date: 3/21/2022 Dept: Construction Referral #: 16581 Account Mgr: Michelle Heath
<b>Jobsite Location:</b>  Muskogee County Jail 122 S 3rd ST  Muskogee, OK 74401	Prepared For: Greg Martin Phone #: (918) 351-3383 Email Address: gmartin@muskogeeso.org

<b>Project Description:</b>	Muskogee County Jail Re-pipe AHU 1,2,3,4,5,6,7,8,9,10 and Delta Automation
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**Scope of Work**

**Oklahoma Chiller proposes the following:**

*The air handling piping proposed below is at a critical failure point. The proposed scope below is combined with mechanical and controls to update and upgrade the current system.*

**Air Handler Piping Scope:**

- LOTO AHU 1,2,3,4,5,6,7,8,9,10.
- Make ready to shut down hot water and chilled water system
- Drain down each air handler
- Demo each air handlers existing chilled water pipe from valves down to coils and chilled water lines as needed.
- Remove and Replace (20) isolation gate valves
- Provide and install new 1.5-inch ball valves
  - (2) hot water (2) Chilled water on each AHU (10).
- Furnish and Install (20) circuit setters.
- Furnish and Install (20) Belimo Electronic control valves feeding the listed AHU
  - (1) hot water (1) chilled water per 10 AHUs.
- Replace hot water and chilled water pipe from valves down to coils as needed.
- Leak test to ensure each connection is secure
- Install new 1.5-inch fiberglass insulation on the affected hot and chilled water lines.
- Reconnect the valve to existing control air pressure
- Start-up and test with a full report to the customer.



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**Controls Scope:**

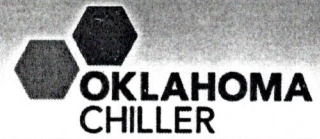
- Provide and install Delta BACnet Controls to operate 10 AHUs, space temperature/humidity/CO2 sensors to be installed in return ductwork to monitoring and control of air quality.
- Enable/disable 2 Boilers, 1 Chiller and monitor boiler and chilled water supply and return. Installation of an outside air sensor will allow more efficient use of this equipment.
- Existing enclosures, damper actuators, primary power, control wire and conduit to be reused for new controls.
- Gaining control of the outside air dampers will provide both a means of improving air quality via air changes as well as reduced cost and equipment wear when economizing (free cooling) is possible.
- Provide and install a Tridium/Vykon N4 JACE-8000 Web-Based User Interface. Device to be mounted in a data room or existing panel using an existing power outlet.
  - Includes 1-year Software Maintenance Agreement for future software upgrades (normal labor rates apply for install).
  - The N4 JACE may be connected to the building's LAN.
  - Customized real-time HTML5 graphical information will be viewable by standard web browser clients on PCs using the same LAN.
  - No JAVA plug-ins are required.
  - Data Trend Logs: The JACE will retain data point trends logs such as Room Temperature, Discharge Air Temperature, and Fan Run Status for typically a four-week period.
  - Alarms: Alarms will be set up for critical areas determined by the owner. Active alarm messages will then be emailed to the owner's staff.
  - Scheduling: Customized schedules will be set up for all connected HVAC units and are easily adjusted by the end-users.
  - Provide custom web graphics including a main floorplan view as well as individual equipment views.
  - Provide customer training for the new control system.

**NOTES:**

- The proposal excludes providing or connecting to duct smoke detectors or Fire Alarm Control panels.
- Any HVAC problems discovered during controls inspections will be brought to the owner's attention.

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- Connection to owner's internet service required for remote diagnostics of the control system.
- Any taxes and shipping charges are an additional cost.
- Quote only includes work shown in the proposal.
- All work to be performed during normal business hours.
- This proposal for building automation must be booked and completed with Q11960 for electronic valves.

**Benefits of Building Automation Systems:**

- **UTILITY COSTS** - Studies on BAS indicate that facilities can save anywhere from 15 to 30 percent on their energy costs by implementing building controls and BAS.
- **SCHEDULING** - Allows for remote and automatic on/off or temperature scheduling of controlled equipment for unoccupied periods or duty cycling.
- **MAINTAINS COMFORT** - The automated controls help maintain even temperatures within your building. Maintaining a consistent temperature helps cut down on wasted energy and reduces energy costs associated with heating and cooling.
- **REDUCES MAINTENANCE COSTS** - Building Automation Systems and their building controls are designed to make your equipment run less and operate in a more efficient manner. As a result, the prolonged wear and tear to equipment are reduced and the life of the entire heating and cooling systems can be extended.
- **SIMPLIFIES BUILDING OPERATIONS** - With real-time graphical interfaces, you can see exactly what is happening with the equipment throughout your buildings. This reduces the need to have personnel looking in ceilings or go outside to hunt down and isolate potential problems. You can see where issues are and immediately dispatch personnel where they need to be to resolve issues.
- **ENHANCES PROPERTY VALUES** - Many BAS systems pay for themselves within a few years. Plus, they can help increase your facility's property value as most commercial building value is related to their net operating income. Lowering those utility costs increases net operating income and the dollar value of the property.

Excludes any additional repairs or parts not listed in this proposal. Pricing from today is valid for (10) business days. The market for materials is currently fluctuating so quickly that we are only guaranteed our pricing from vendors for (10) business days.

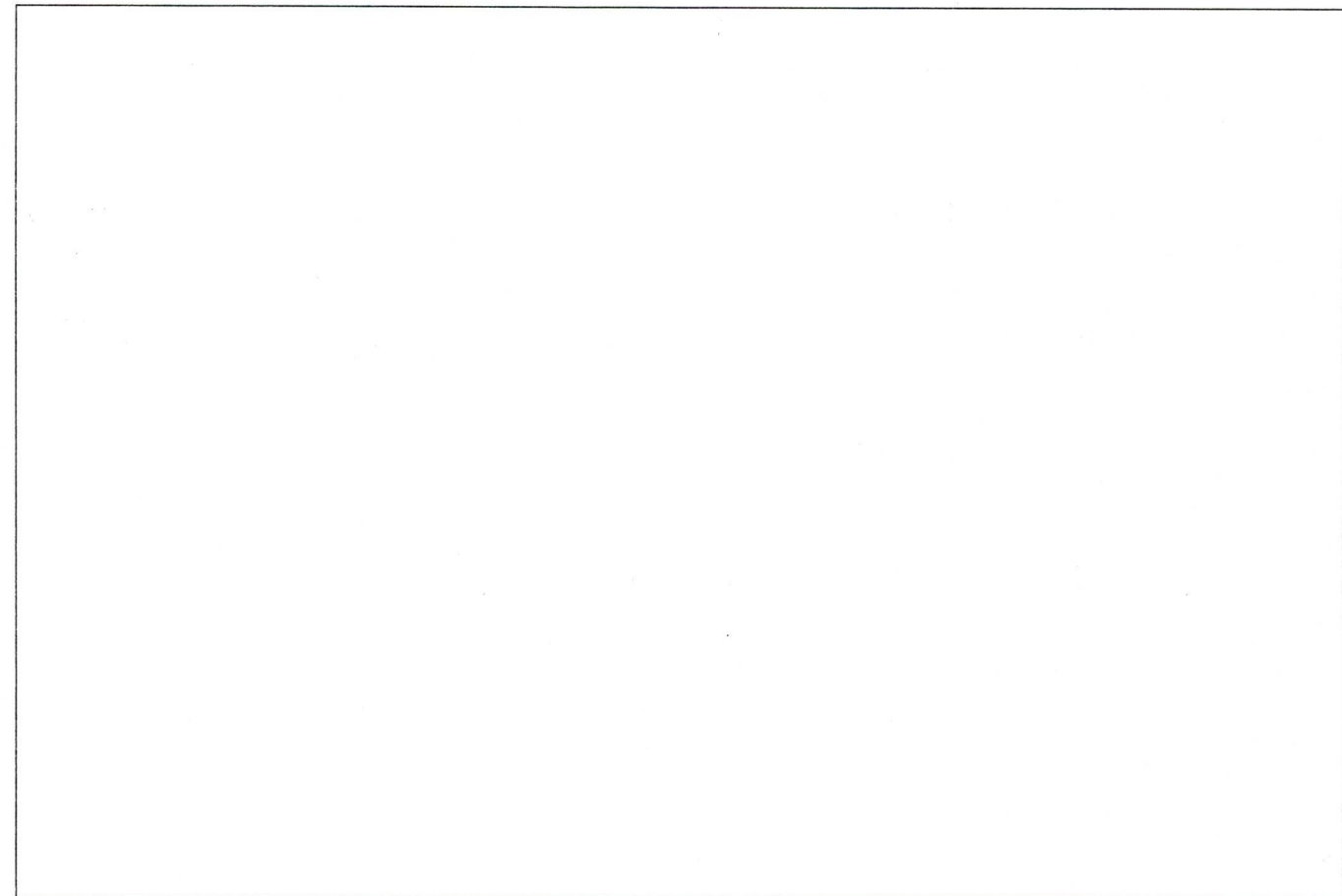


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Please Select Option 1 or Option 2:

Totals: (Option 1) <input type="checkbox"/>		Totals: (Option 2) <input type="checkbox"/>	
Subtotal	\$189,405.46	Subtotal	
Sales Tax	\$0.00	Sales Tax	\$0.00
<b>Total Sales Price</b>	<b>\$189,405.46</b>	<b>Total Sales Price</b>	

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**TERMS AND CONDITIONS**

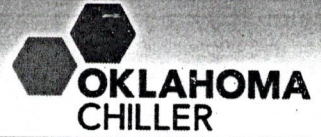
- Performance.** Services will be performed during normal working hours with any overtime or emergency labor billed separately, unless otherwise agreed to in writing. Duty to perform under this agreement and the price hereof is subject to the approval of the Credit Department of Oklahoma Chiller, is also contingent upon strikes, accidents, fires, the inability to procure materials from the usual sources of supply, or upon any like or unlike cause beyond the control of Oklahoma Chiller. Upon disapproval of the Credit Department or upon the occurrence of any such event as afore said, Oklahoma Chiller may delay performance or, at its option, renegotiate prices, terms and conditions with the Customer. If Oklahoma Chiller and Customer are unable to agree on such revisions, this agreement shall be canceled without any liability, other than Customer's obligation to pay for services rendered by Oklahoma Chiller to the date of cancellation.
- Payment and Taxes.** Customer will pay Oklahoma Chiller's invoices within net thirty (30) days of invoice date. Interest of 1½% on unpaid balances may be charged by Oklahoma Chiller. Oklahoma Chiller may discontinue services whenever payment is overdue. Unless otherwise agreed, Customer shall pay, in addition to the stated price, all taxes not legally required to be paid by Oklahoma Chiller or, alternatively, shall provide Oklahoma Chiller with acceptable tax exemption certificates. Oklahoma Chiller does accept approved credit cards, but invoices paid by credit card will be subject to a service charge of three percent (3%) of the invoiced amount.
- Warranties.** Oklahoma Chiller warrants that: (1) Oklahoma Chiller manufactured material is free from defect in material and manufacture for a period of twelve months from date of start-up or replacement. Oklahoma Chiller's obligation under this warranty is limited to repairing or replacing the defective part at its option; (2). Labor is warranted (to have been properly performed) for a period of 90 days from completion. Oklahoma Chiller's obligation under this warranty is limited to correcting any improperly performed labor; (3) Non-Oklahoma Chiller equipment and/or parts are not warranted by Oklahoma Chiller. Warranties for such equipment and parts are those extended to Oklahoma Chiller by the respective manufacturer. There are absolutely no other warranties extended, including any implied warranties of **FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY.**
- Indemnity and Liability.** Oklahoma Chiller and Customer shall indemnify, defend and hold each other harmless from any and all claims, actions, costs, expenses, damages and liabilities, including reasonable attorneys' fees, resulting from death or bodily injury or damage to real or personal property, to the extent caused by the negligence or misconduct of their respective employees or other authorized agents in connection with their activities within the scope of this Agreement. However, neither party shall indemnify the other against claims, damages, expenses or liabilities to the extent attributable to the negligence or misconduct of the other party. If the parties are both at fault, the obligation to indemnify shall be proportional to their relative fault. The duty to indemnify will continue in full force and effect, notwithstanding the expiration or early termination hereof, with respect to any claims based on facts or conditions that occurred prior to expiration or termination. **Notwithstanding any contrary provision, neither party shall be liable for incidental or consequential damages of any nature whether claimed under contract, warranty, negligence, strict liability or any other legal theory.**
- Legal Compliance.** Oklahoma Chiller will comply with applicable federal, state and local laws and obtain requisite temporary licenses and permits for it work hereunder. Customer will obtain at its cost any requisite permanent licenses and permits.
- Attorney's Fees.** Customer will pay for reasonable attorney fees incurred by Oklahoma Chiller in enforcing collection of amounts due.
- Insurance.** Oklahoma Chiller agrees to carry insurance in the following minimum amounts:
 

A. Commercial General Liability	\$1,000,000 per occurrence
B. Workers Compensation	Statutory Limits
- Asbestos and Hazardous Materials.** Oklahoma Chiller's Work and other services in connection with this Agreement expressly excludes any identification, abatement, cleanup, control, disposal, removal or other work connected with asbestos, poly-chlorinated biphenyl ("PCB"), or other hazardous materials (hereinafter, collectively, "Hazardous Materials"). Customer warrants and represents that, except as set forth in a writing signed by Oklahoma Chiller, there are no Hazardous Materials on the Premises that will in any way affect Oklahoma Chiller Corp. Work and Customer has disclosed to Oklahoma Chiller the existence and location of any Hazardous Materials in all areas within which Oklahoma Chiller will be performing the Work. Should Oklahoma Chiller become aware of or suspect the presence of Hazardous Materials, Oklahoma Chiller may immediately stop work in the affected area and shall notify Customer. Customer will be responsible for taking any and all action necessary to correct the condition in accordance with all applicable laws and regulations. Customer shall be exclusively responsible for any claims, including the payment thereof, arising out of or relating to any Hazardous Materials on or about the Premises, not brought onto the Premises by Oklahoma Chiller. Oklahoma Chiller shall be required to resume performance of the Work in the affected area only in the absence of Hazardous Materials or when the affected area has been rendered harmless. In no event shall Oklahoma Chiller be obligated to transport or handle Hazardous Material, to provide any notices to any governmental agency, or to examine the Premises for the presence of Hazardous Materials.
- Entire Agreement.** This instrument embodies the entire agreement between Customer and Oklahoma Chiller. Any modifications or amendments must be in writing and signed by both parties.



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<b>Progress Billing &amp; Payment Terms</b>
Payment to be remitted within 30 days upon receipt of invoices.

Notes:

1. Freight & Sales Tax are not included unless stated above; they will be invoiced in addition.
2. Any service not listed is not included.
3. Work performed during normal business hours.
4. This pricing is valid for 30 days from the quote date.

Customer Acceptance: \_\_\_\_\_ Date: \_\_\_\_\_

Thank you for this opportunity. If you have any questions or concerns, please contact:

Michelle Heath  
michelle@okchiller.com  
(918) 520-3497



4th day of April 2022  
Chairman [Signature]  
Member [Signature]  
Member [Signature]  
Attest [Signature]  
County Clerk

Handwritten text, likely bleed-through from the reverse side of the page. The text is faint and difficult to decipher but appears to contain several lines of cursive or semi-cursive script.