

**City of Lewisburg  
Request for Bids  
Lewisburg Recreation Center  
HVAC Unit Replacement**

The City of Lewisburg Tennessee is seeking Bids for the replacement of the existing 8.5 ton HVAC unit at the Lewisburg Recreation Center located at 1551 Mooresville Highway, Lewisburg, TN 37091.

Bids will be received no later than 2:00 PM (CST) on December 8, 2016. Late Bids will not be considered.

Bids should be submitted and signed by an authorized employee or agent of the submitting firm.

Bid packages are available at the Lewisburg City Hall located at 131 E. Church Street, Lewisburg, TN 37091 or by contacting Pam Davis City Recorder at (931) 359-1544 or [pam.davis@lewisburgtn.gov](mailto:pam.davis@lewisburgtn.gov)

Bids should be mailed or delivered to:

**Pam Davis  
City Recorder  
Lewisburg City Hall  
131 E. Church Street  
Lewisburg, TN 37091**

Bids should be in a sealed envelope with "2016 Lewisburg Recreation Center Large Room HVAC" on the outside of the envelope.

All questions should be directed to Cary Whitesell, Director of Parks and Recreation via email at [cary.whitesell@lewisburgtn.gov](mailto:cary.whitesell@lewisburgtn.gov) or cell phone at 931-808-3039.

The City of Lewisburg complies with the Civil Rights Act of 1964 which prohibits discrimination, and reserves the right to reject any and all bids and to waive any formalities.

**City of Lewisburg  
Request for Bids  
Lewisburg Recreation Center  
HVAC Unit Replacement  
General Terms and Conditions**

- 1. ACCEPTANCE AND REJECTION:** The City of Lewisburg (The City) reserves the right to reject any or all bids, to accept bids in whole or in part (unless other indicated by bidder), to waive any informalities in bids received, to accept bid on materials or equipment with variations from the specifications where efficiency of operation will not be impaired, and to award bids to best serve the interest of the City.
- 2. PRICES:** Unless otherwise stated in the Bid Invitation, the following will apply: (1) prices must be F.O.B. destination specified in bid, (2) prices must be firm and not subject to escalation, (3) bid must be firm for acceptance for 30 days from bid opening date. In case of errors in extension, unit price shall govern. Discounts from bid price will not be considered in making awards.
- 3. EXCEPTIONS TO SPECIFICATIONS:** Any exceptions to the bid specification must be stated in the bid.
- 4. FREIGHT:** The price submitted must be inclusive of all freight, shipping, delivery and installation charges.
- 5. DEFAULT:** All commodities furnished will be subject to inspection and acceptance by the City after delivery. Default in promised delivery or failure to meet specifications authorizes the City to cancel award.
- 6. ETHICS:** "It shall be a breach of ethical standards for a person to be retained, or to retain a person, to solicit or secure a City contract upon agreement of understanding for a commission, percentage, brokerage or contingent fee, except for the retention of bona fide employees or bona fide established commercial selling agencies maintained by the contractor for the purpose of securing business."

**City of Lewisburg  
Request for Bids  
Lewisburg Recreation Center  
HVAC Unit Replacement  
Specifications**

- 1.** Furnish and install a new 8.5 ton HVAC unit per attached specifications
- 2.** Contractor will connect to existing duct system, supply grills.
- 3.** Installation of Thermostat.
- 4.** Start-up per manufacturer's recommendations.
- 5.** All work to be performed in a manner consistent with current OSHA standards.
- 6.** Contractor will be responsible for site cleanup and restore the site to pre-work conditions and appearance.
- 7.** Contractor will be responsible for field certification of all measurements, quantities and other information necessary for the preparation of their bid and performance of the work.
- 8.** The contractor is responsible for proper disposal of all material removed during work and scrap and trash associated with the work performed.
- 9.** Prior to award of a contract the successful bidder will be required to furnish proof of the following:
  - a.** Tennessee Contractors license for the proper category required for this work
  - b.** General Liability Insurance in the amount of one million.
  - c.** Automobile Liability Insurance in the amount of one million.
  - d.** Worker's Compensation Insurance with statutory limits required by the State of Tennessee or other applicable laws and Employer's Liability Insurance with limits of no less than one hundred thousand (\$100,000.00) dollars, as required by the laws of Tennessee. (Not required for companies with fewer than five (5) employees.)

**City of Lewisburg  
Lewisburg Recreation Center  
HVAC Unit Replacement**

***BID RESPONSE-CONTACT INFORMATION***

---

In order to complete the evaluation process faster, list the name, address, phone number, fax number, and email address of the person capable of answering any questions that may arise during the bid review and evaluation process. **(Please Print or Type)**

**Company Name:** \_\_\_\_\_ **Attention:** \_\_\_\_\_

**Address:** \_\_\_\_\_ **City/ST/Zip:** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**Email:** \_\_\_\_\_

The sum of all items inclusive is **(TOTAL BID AMOUNT)**:

\$ \_\_\_\_\_.

\_\_\_\_\_ **Dollars** \_\_\_\_\_ **and**

\_\_\_\_\_ **Cents**

(amount written out)

\_\_\_\_\_  
**Name of Authorized Individual**

\_\_\_\_\_  
**Title**

---

Signature of Authorized Individual

---

Date

**City of Lewisburg  
Lewisburg Recreation Center  
Large Room HVAC Unit Replacement  
Specifications**

**Please bid HVAC Unit, material, equipment and labor necessary for replacement. Please include all warranty information on parts and labor.**

**Bid information and specifications are as follows:**

**To replace existing 8.5 Ton HVAC Roof Top Unit, materials, equipment, labor, and discarding of old unit.**

### **Unit Specifications:**

#### **Heating Performance:**

- Unit Type: Packaged Gas Electric
- H/E Low Input: 156000(Btuh)
- H/E Low Output: 124800 (Btuh)
- H/E High Input: 240000 (Btuh)
- H/E High Output: 192000 (Btuh)
- System Heat Output: 192000 (Btuh)
- Gas Supply Connection: 0.75 (in.)
- Heating Outdoor DB: 5.0 (degree F)
- Heating Outdoor WB: 0.0 (degree F)
- H/E Heat Rise: 52.3 (degrees F)
- AFUE/Thermal Eff: 80
- Number of Heating Stages: 2
- Gas Supply Pressure: 7 (in. WC)

#### **Cooling Performance**

- Refrigerant: R-410A
- ARI EER: 12.2
- ARI IEER: 12.9
- ARI Total Power: 8100 (W)
- ARI Gross Total Cool: 103800 (Btuh)
- ARI Net Total Cool: 100000 (Btuh)
- Coil Gross Total Cool: 105300 (Btuh)
- Unit Net Total Cool: 100280 (Btuh)
- Coil Gross Sens Cool: 79396 (Btuh)
- Unit Net Sens Cool: 74376 (Btuh)
- Environ Refrigerant Charge: 15 LBS. 00Z.
- Number of Compressors: 2
- Number of Cooling Stages: 2
- Condensate Drain Size: 1.00 (in.)
- Cooling Outdoor DB: 94.0 (degrees F)

- Cooling Outdoor WB: 74.0 (degrees F)
- Cooling Condenser DB: 92.0 (degrees F)
- Cooling Mixed DB: 80.0 (degrees F)
- Cooling Mixed WB: 67.0 (degrees F)
- Coil Discharge DB: 57.4 (degrees F)
- Coil Discharge WB: 56.7 (degrees F)
- Unit Discharge DB: 58.8 (degrees F)
- Unit Discharge WB: 57.3 (degrees F)
- Coil Moisture Removal: 24.4 (lb/hr)
- System Moist Removal: 24.4 (lb/hr)

### **Supply Fan Performance**

- Supply Air Flow: 3400 (cfm)
- Ext Static Press Supply: 0.70 (in. WC)
- Supply Fan Req'd Power 1.58 (hp)
- Supply Fan Nom Power: 2.00 (hp)
- Supply Fan Type: CAV Belt Drive
- Supply Drive Req'd RPM: 845 (rpm)
- Supply Drive Min RPM: 590 (rpm)
- Supply Drive Max RPM: 890 (rpm)
- Total Static Press: 0.99 (in. WC)
- Wet Coil Static Press: 0.12 (in. WC)
- Gas H/E Static Press: 0.17 (in. WC)
- Air Filter Qty: 4
- Air Filter Length: 20.0 (in.)
- Air Filter Width: 25.0 (in.)
- Air Filter Thickness: 2.0 (in.)

### **Electrical**

- Voltage: 460V 3Ph
- Frequency: 60 (Hz)
- System MCA: 20.0 (amp)
- System MOCP: 25 (amp)
- Compressor RLA: 12.4 (amp)
- Cooling FLA Total: 18.4 (amp)
- Unit Oper Range-Nom Voltage: +/- 10%
- Supply Fan FLA: 3.4 (amp)
- Condensing Unit FLA: 2.6 (amp)
- Condenser Fan Power: 725 (W)

### **Dimensions**

- Cabinet Width: 60.1 (in.)
- Cabinet Length: 101.3 (in.)
- Cabinet Height: 46.9 (in.)
- Total Weight: 1138 (lb)
- Downflow Supply Length: 20.0 (in.)
- Downflow Supply Width: 28.0 (in.)
- Downflow Return Length: 24.0 (in.)
- Downflow Return Width: (27.0 (in.)

## **Sound**

- Outdoor Sound Rating: 88 (db)

## **System Features**

- Durable Outdoor Enamel Paint Finish
- Scroll Compressor
- Pre-Charged Refrigeration System
- Expansion Valves
- High Capacity Driers
- Preset high & low pressure switch with strike 3 lockout feature in Prodigy unit controller
- Totally Enclosed Fan Motor
- PVC Coated Fan Guard
- Fan and Limit Controls
- Factory Test Operated
- Bonded for Grounding
- Internal Pressure Relief Valve
- Overload Protection
- Crankcase Heater test
- Timed Off Control
- AGA-CGA Certified
- Units will operate cooling down to 0 degrees F (-17.7 degrees C) without additional controls.
- Redundant Comb. Gas Control Valve
- Electronic Flame Sensor
- Direct Spark Ignition
- Separate Compressor and Controls Compartment
- Advanced controls with Prodigy Control System
- Limited compressor warranty of 5 years
- Limited warranty on Prodigy Unit Controller of 3 years
- Limited warranty on Environ Coil System of 3 years
- Limited warranty on all other components of 1 year

## **Included System Options-Factory Installed**

- 2 IN MER V4 FILTER
- CONSTANT AIR VOLUME
- HINGED ACCESS DOORS
- ENVIRON COIL SYSTEM

**Site should be cleaned at the end of the project and debris/trash disposed of by contractor.**

**Contractor must adhere to all OSHA and safety requirements including but not limited proper containment and clean up.**