

# **Invitation to Bid**

**July 1 2022**

Regional School District #14 is soliciting bids for the following project:

**Ellis Clark AgriScience Technology Building  
5 Minortown Road, Woodbury CT**

Regional School District #14 is seeking two (2) bids to remove and replace five (5) and three (3) split system air conditioning units in the Ellis Clark Agri-Science Technology Building, respectively.

Specifications for this project are located on the District Website @ [www.ctreg14.org](http://www.ctreg14.org) under "Board of Education>Bids."

Bids will be received by Mike Molzon at RSD #14 Central Office, 5 Minortown Road, Woodbury, CT 06798-0469, until 9:00 a.m. on July 15, 2022 at which time they will be publicly opened and read aloud. Any bid received after the scheduled closing time for the receipt of bids will be returned to the bidder unopened.

Region #14, after review of all factors, including the terms and conditions, qualifications and price, reserves the right to accept or reject any and all bids, or any part thereof. Region 14 also may waive defects in the same, or accept any proposal, or combination of proposals, deemed to be in the best interest of the Region. All bids must completely filled out when submitted. Bids must be firm for a period of sixty (60) days following the opening. Bid withdrawal may be made only with the consent of Region 14. Bids faxed or electronically mailed are not acceptable.

Regional School District #14 is not responsible for the delays in the delivery of the mail by the United States Postal Service, private couriers, or the interschool mail system. It is the sole responsibility of the vendor to insure that its proposal reaches the appropriate destination prior to the required date and time.

# SPECIFICATIONS FOR AIR CONDITIONING SYSTEM REPLACEMENT

## Ellis Clark Agri-Science Technology Building

July 1, 2022

### Bid 1

The following specifications include unit vent replacements for the following:

Room 425 - Unit Vent 1

Room 426 - Unit Vent 2

Room 427 - Unit Vent 3

Existing: Outdoor Unit – ICP Model CA5536VLD4  
3 ton, 460 volts, 3 phase, 15 amps

Indoor Unit – American Air Filter Unit Ventilator  
Part # 9679239040

Electrical Rating 265 V max 238 v min  
1 phase, 15 amps, ¼ hp, 3.1 FLA

Heating Coil – New Heating Coil to be installed for each unit

The Contractor shall be responsible for the following:

1. Remove and dispose of existing unit ventilators, condensers, and line sets.
2. Disconnect heating pipes, to be reused with new air handler.
3. Furnish and install three (3) new systems: Lennox or equal electric air cooled condensing units, 460 volt 3 phase and 12.0 EER, Model ML14XC1 at 3.5 ton each, three (3) hydro ECM blower powered evaporators, 115 volts single phase, one (1) solenoid valve, one (1) liquid line site glass, one (1) freeze stat, and one (1) smoke detector.
4. Supply ductwork for classroom.
5. Return air ductwork for classroom and outside air ductwork from roof to air handler.
6. Outside air supply will be shared by all three units from a common penetration through the roof.
7. Supply ductwork and cap for outside air.
8. Supply line set connecting units, test and charge line set.
9. Commission unit at start up.
10. Provide condensate drip pan and overflow protection switch.

11. Tie air handler drain and secondary overflow drain pan into existing condensate drain line.
12. Verify voltage in the field before ordering equipment.
13. Reconnect existing heating pipes to new air handler heating coil.
14. Refill and test heating pipes for leaks.
15. Vent air from system.
16. Provide drain at low point, venting at high point.
17. Provide valves on supply and return heat piping.
18. Provide license and proof of insurance to RSD #14 prior to starting work.
19. All bids to be submitted on Company letterhead.
20. Please send bid to "RSD 14 Schools, PO Box 469, 5 Minortown Rd., Woodbury CT 06798. Clearly mark on the sealed bid envelope "Agri-Science Air Conditioning Bid". Bids will be opened at 9 am on June 16, 2022 at the Region 14 Central Office, 5 Minortown Road, Woodbury CT

Region 14 will be responsible for the following:

1. Line voltage and control voltage wiring.
2. Roof penetration
3. Supply outside air dampers and controls for all three air handler units.
4. Modulating zone valves for heat piping and circuit setter.

All questions shall be directed to Mike Molzon, Director of Facilities, RSD#14 (203) 346-8659.

# SPECIFICATIONS FOR AIR CONDITIONING SYSTEM REPLACEMENT

## Ellis Clark Agri-Science Technology Building

July 1, 2022

### Bid 2

The following specifications include air handler units, condensers, and line sets for:

Room 453 - AHU # 2  
Room 413 - AHU # 4  
Room 416 - AHU # 5  
Hallway - AHU # 9  
Room 430 - AHU #10

The Contractor shall be responsible for the following:

1. Remove and dispose of existing air handler, condenser, and line set.
2. Furnish and install five (5) Lennox or equal electric air cooled condensing units, 460 volts, 3 phase and 12.0 EER, and five (5) blower powered evaporators, 208/230 single phase, one (1) solenoid valve, one (1) liquid line site glass, one (1) two inch commercial air filter, one (1) manual reset high pressure switch, one (1) low ambient control, one (1) freeze stat, one (1) smoke detector, and one (1) fresh air duct with motorized beliamo damper. Equipment: Four (4) 3.5 ton ML14XC142 and one (1) 5 ton ML14XC160 (Room 453).
3. Disconnect from existing ductwork and connect new equipment to existing ductwork.
4. Reuse existing heating coil and control valves.
5. All line voltage and control voltage wiring will be done by Region 14.
6. Provide new secondary drain pan with emergency shut down switch. Connect primary and secondary drain pans into existing condensate drain lines.
7. Check for leaks, start and commission all equipment and insure that it is heating and cooling properly.
8. Region 14 will be responsible for line voltage and control wiring.
9. Provide license and proof of insurance information to RSD #14 prior to starting work.
10. All bids to be submitted on Company letterhead.
11. Please send bid to "RSD 14 Schools, PO Box 469, 5 Minortown Rd., Woodbury CT 06798. Clearly mark on the sealed bid envelope "Agri-Science Air Conditioning Bid". Bids will be opened at 9 am on June 16, 2022 at the Region 14 Central Office, 5 Minortown Road, Woodbury CT.

All questions shall be directed to Mike Molzon, Director of Facilities, RSD#14 (203) 346-8659.

Existing Systems, to be replaced

AIR CONDITIONING SYSTEM REPLACEMENT - ELLIS CLARK AGRICULTURE TECHNOLOGY BUILDING

	AHU #2	AHU #4	AHU #5	AHU #9	AHU #10
Room #	453	413	416	Hallway	430
Outdoor Unit	ICP CA5560VLD4 460 V, 3 Phase, 15 Amps, 5 tons	ICP CA5536VLD2 460 V, 3 Phase, 15 Amps, 3 tons	ICP CA5536VLD2 460 V, 3 Phase, 15 Amps, 3 tons	ICP CA5536VLD2 460 V, 3 Phase, 15 Amps, 3 tons	ICP CA5536VLD2 460 V, 3 Phase, 15 Amps, 3 tons
Indoor Unit	Magic Aire Model 48/60 - BMW/BMX Blower Section Serial # W050441185 208V, 1.5 hp, 1 phase	ICP NF3P3600B1 208-230 V, 1 Phase, 1/3 hp, 3.1 FLA	ICP NF3P3600B1 208-230 V, 1 Phase, 1/3 hp, 3.1 FLA	ICP NF3P3600B1 208-230 V, 1 Phase, 1/3 hp, 3.1 FLA	ICP NF3P3600B1 208-230 V, 1 Phase, 1/3 hp, 3.1 FLA
Ductwork	Re-use existing	Re-use existing	Re-use existing	Re-use existing	Re-use existing
Heating Coil	Re-use existing	Re-use existing	Re-use existing	Re-use existing	Re-use existing
Line Set	Replace with new	Replace with new	Replace with new	Replace with new	Replace with new
ICP = International Comfort Products					