



Board of County Commissioners Agenda Request



Requested Meeting Date: March 26, 2024

Title of Item: Approve Bids for Jail boiler/chiller replacement

<input checked="" type="checkbox"/> REGULAR AGENDA <input type="checkbox"/> CONSENT AGENDA <input type="checkbox"/> INFORMATION ONLY	Action Requested: <input checked="" type="checkbox"/> Approve/Deny Motion <input type="checkbox"/> Adopt Resolution (attach draft)	<input type="checkbox"/> Direction Requested <input type="checkbox"/> Discussion Item <input type="checkbox"/> Hold Public Hearing* <small>*provide copy of hearing notice that was published</small>
Submitted by: Jessica Seibert		Department: Administration
Presenter (Name and Title): Jim Bright, Facilities Coordinator		Estimated Time Needed: 15 min.
Summary of Issue: The jail boiler and chiller have reached and exceeded their life expectancy and are due for replacement. We received 4 bids for the proposed work with Climate Makers submitting the low bid on replacing this equipment.		
Alternatives, Options, Effects on Others/Comments:		
Recommended Action/Motion: Approve the Climate Makers bid to replace the jail boiler, chiller and basement air handling unit.		
Financial Impact: Is there a cost associated with this request? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No What is the total cost, with tax and shipping? \$ 479,137.00 Is this budgeted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Please Explain:</i> There is \$750,000 budgeted with Fiscal Recovery Funds for this project		

Legally binding agreements must have County Attorney approval prior to submission.

BID TABULATION

Aitkin County Jail HVAC Upgrades

Widseth Project # 2023-11281 / ARI Project #: 2022-177

Bid Date & Time: January 16, 2024 1:00pm local time



Contractor	Base Bid	Proposal Form Filled Out Completely	Addenda Acknowledge 1 & 2	Bid Security Bond	Responsible Contractor Form
Climate Makers	\$479,137.00	X	X	X	X
JK Mechanical & Electircal	\$639,800.00	X	X	X	X
Independence Heating & Cooling	\$699,500.00	X	X	X	X
Lundberg Plumbing & Heating	\$710,500.00	X	X	X	X

WIDSETH
704 East Howard Street | Hibbing, MN 55746
Tel: 218.263.6868

126 East Superior Street | Duluth, MN 55802
Tel: 218.727.8481



1700 Freeway Blvd., Suite 10, Brooklyn Center, MN 55430
Phone (763) 786-5999 or 800-773-9084 Fax (763) 786-3893
www.climate-makers.com mattg@climate-makers.com

PROPOSAL

COMPANY: Aitkin County
PROJECT: Aitkin County Jail HVAC Upgrades
ATTENTION: Aitkin County
DATE: 01.16.2024

Climate Makers, a CERT W/S/BE Union Contractor, is pleased to provide a HVAC piping and Sheetmetal estimate for this project based on drawings and specifications by Widseth Smith Nolting & Associates dated 12.19.2023. We acknowledge Addendum 1. Our price includes the following:

HVAC PIPING SCOPE

Equipment:

- (2) Condensing Boilers with HeatFab 6" CI-Plus venting
- (2) Heating Water Pumps with VFDs
- (1) Glycol Feeders
- (1) Expansion Tanks
- (1) Coalescing Air/Dirt Separator
- (1) Chemical Feeder
- (1) Side stream filter
- (1) AHU to replace existing in Basement
- (3) Condensing units to replace existing chilled water system
- (2) DX Cooling coils for penthouse AHUs to replace existing chilled water

HVAC Piping Systems:

- Natural Gas Piping Galvanized carbon steel, A53CW threaded, 150lb Malleable fittings and Copper, Type L, Wrot Copper Fittings, 95/5 solder
- CHW and Heating Hot Water 3" and down, Copper, Type L, Wrot Copper Fittings, 95/5 solder and/or progress
- CHW and Heating Hot Water 2-1/2" and up Black Steel, Schedule 40, Type E, Grade B, Butt weld Fittings and/or mech groove type fittings
- Condensate Copper, Type L, Wrot Copper Fittings, 95/5 solder and/or progress

SHEET METAL SCOPE

Equipment:

- (1) AHU to replace existing in basement
- (2) GRD's

- (763 lbs) Sheetmetal approximately

Supply, Return and MUA Duct:

- Galvanized Sheetmetal per SMACNA

INTEGRATED AUTOMATION furnished under separate proposal

SUBCONTRACTORS

- Rigging (Eagle Lift)
 - Electrical (Dutch's Electric)
 - Test and Balance (Premier)
 - Roofing (Armor Construction Inc.)
 - Insulation (Prime)
-

Total Investment: \$ 479,137.00

Clarifications

1. It is our general expectation that as the specifications are finalized, logical regional equal products will be able to be incorporated into the final specifications.
2. Assume standard workday of 7:00-3:30.
3. Generator, (louvers, exhaust silencers or piping), if required, by others.
4. All piping, ductwork, equipment, and components that are not floor mounted are assumed to be hung from structure provided by others. Supplemental steel or support systems are not included to reinforce the structure from which the mechanical systems are hung.
5. Rectangular openings by others, framing by others. Pipe sleeves included for round openings.
6. The use of inserts will be prioritized; however it is assumed that the use of drop in anchors are acceptable.
7. Should overtime be directed, the impact to productivity will be considered in addition to the overtime premium wage costs.
8. Concrete housekeeping pads to be dimensioned by CMI, installed by others.
9. Clean up to be completed by our crews for our work.
10. Bond cost is in addition to the pricing identified.
11. The accepted value engineering list will take precedence over the construction documents.
12. LEED or B3administration or commissioning by others. CMI will support the process with project management resources.
13. Mockups are assumed to be permanent installations on site, completed early.

14. We intend to use split escutcheons as well.
15. CMI will utilize our standard hanger schedule.
 - a) Coppertube:
 - Up to and 1 1/4" tube use 3/8" rod and anchors 6'-0" on center.
 - 1 1/2" thru 3" tube use 3/8" rod and anchors 8'-0" on center.
 - 4" and up tube use 1/2" rod and anchors 8'-0" on center.
 - b) Steelpipe:
 - Up to and 3" pipe use 3/8" rod and anchors 8'-0" on center.
 - 3 1/2" and up pipe use 1/2" rod and anchors 8'-0" on center.
 - c) Duct:
 - i) Gripple will be utilized.
16. Horizontal piping reduction simplify routing.

Exclusions

1. Fire protection
2. Coordination Drawings
3. No piping trenches are included.
4. Outside utilities by others.
5. Gas service costs by others.
6. Abatement is not included.
7. Structural engineering for weights of mechanical systems impact on structure is not included.
8. Structural penetrations excluded. Mechanical penetration layout by CMI.
9. All structural steel to support mechanical equipment, ductwork and piping.
10. Equipment support steel, grating, rails and concrete piers.
11. Piping support piers serving outside equipment.
12. Seismic engineering
13. Accommodation of Seismic requirements and details.
14. Painting of HVAC systems.
15. Painting of gas piping.
16. Painting of mechanical systems, piping, ductwork and supports.
17. Parking costs.
18. Overtime.
19. Safety barriers.
20. Dumpsters.
21. Pipe sleeves are not included at partitions. Fire or sound caulk will be directly applied to the sheetrock.
22. Permanent and temporary safety railings.
23. One year service and maintenance agreement.
24. Motor starters and disconnects
25. Liquidated damages
26. Street cleaning

27. Required code changes, should they arise.
28. Escutcheons on all mechanical piping penetrations of finished walls
29. "All wiring, conduit and electrical devices downstream of the panelboards is the responsibility of the Division 15 trade requiring the power unless otherwise shown on the electrical drawings". Wiring required to support mechanical systems should be indicated on the electrical documents.
30. Utility costs for temporary heating and cooling
31. Extended warranties for temporary heating and cooling
32. Maintenance costs for temporary heating and cooling
33. Equipment screening
34. Engineering by Contractor
35. Dust and Exhaust Control except dust "zip wall" in penthouse.
36. Fire Protection.
37. Site Utilities.
38. Site restoration.
39. Sub-Slab drain tile and piping.
40. Utility Rebate coordination.
41. Wall and ceiling cut and patch. Saw cutting and patching.
42. X-rays or floor scanning.
43. Roofing except for equipment curb and boiler flue.
44. Natural gas piping outside of building. This work is by Gas Company.
45. Temporary heating and cooling.
46. Utility costs for temporary heating and cooling.
47. Utility costs for start-up, testing and commissioning.
48. Fire alarm.
49. Pre-Action detection, Vesda, air sampling/piping and monitoring.
50. All Liquid Leak Detection.
51. Fire/Smoke damper wiring.
52. Fire Smoke Detectors.
53. Grounding and Bonding of all mechanical equipment, piping and fixtures, if required.
54. Generator hoisting and rigging.
55. Infrared Scanning.
56. Disconnects and starters not factory mounted.
57. Provisions for partial occupancy.
58. Duct Cleaning.
59. Final cleaning of mechanical system and components.
60. LEED or B3 Certification Design and Construction Costs.
61. Sound Performance testing.
62. Harmonic Testing.
63. Vibration Testing.
64. Backing for food service equipment.

65. PVC jacketing is not included on insulation inside the building, though it is called for in exposed areas outside of the mechanical rooms.

66. Architectural Louvers

67. Exterior Caulking.

* We acknowledge 1 addendums.

* Payment terms are net 30.

ACCEPTED. The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined below.

X

By:
Title:

Respectfully Submitted,

CLIMATE MAKERS

X

Matt Gardner
Executive Vice President, Partner

Note: This proposal may be withdrawn if not accepted within 10 days.