

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2024-081
Item to be Scouted	Energy Recovery Mechanical System
Days to be scouted	21
Description	<p>For the construction of the new Energy and Minerals Research Facility (EMRF) for the U. S. Geological Survey (USGS) at the Colorado School of Mines (Mines), 1000 18th Street, Golden, Colorado 80401, provide a packaged ultra high performance energy recovery mechanical system (ERS) delivered to the EMRF construction site.</p> <p>This project is federally funded by the President Joe Biden's Bipartisan Infrastructure Law (BIL). Therefore, the material used for construction is required to be compliant with the Build America, Buy America Act (BABAA). This NIST MEP Supplier Report seeks a BABAA compliant ERS that meets or exceeds the basis of design. The basis of design is a Konvekta Energy Recovery Mechanical System (ERS) described herein (including additional information).</p> <p>The basis of design ERS system meets or exceeds the design requirements including the strict technical requirements, maximum size requirements, maximum delivery schedule, and the maximum cost parameters enclosed. See also the requirements stated in the enclosed specifications, drawings, dimension and performance requirements, and other documents including warranty requirements. Packaged ERS system and associated components and accessories include the following:</p> <ol style="list-style-type: none"> <li>1. Coils</li> <li>2. Pumps</li> <li>3. Automatic Control Valves</li> <li>4. Ball and Butterfly Valves</li> <li>5. Air and Dirt Separator</li> <li>6. Diaphragm-Type Expansion Tanks</li> <li>7. Brazed Plate Heat Exchangers</li> <li>8. Non-Slam Check Valves</li> <li>9. Combination Pressure and Temperature Relief Valves</li> <li>10. Electronic Flow Sensors</li> <li>11. Electronic Temperature Sensors</li> <li>12. Electronic Pressure Sensors and Transmitters</li> <li>13. Programmable Logic Control Hardware and Software to operate and optimize system</li> </ol>
State item to be used in	Colorado

## Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Electronic and mechanical assembly.
Provide dimensions / size / tolerances / performance specifications for the item	See information provided.
List required materials needed to make the product, including materials of product components	Various, see information provided.

Are there applicable certification requirements?	Yes
Details	NEMA, National Electrical Code (NEC) Current Version, NFPA 70 Current Version
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	Yes
Details	See enclosed Energy Recovery System for Laboratory Ventilation System - Minimum General Requirements AND other requirements stated in other documents provided.
Additional Technical Comments	See enclosed specification section and Konvekta ERS information.

## Section 4: Business Information

Estimated potential business volume	Limited to one set of equipment.
Estimated target price / unit cost information (if unavailable explain)	Maximum total costs shall be \$2,135,000 including shipping, start up services including commissioning and coordinating the ERS with Building Automation System, and required minimum manufacturer's warranty (see specifications). Costs also include providing approved submittal paperwork required in the specifications.
When is it needed by?	Delivery schedule shall be no later than 3:00 PM (local time) October 31, 2025 for the manufacturer, packaging, and transportation of the ERS. If the schedule is for the delivery of the ERS to be on any date prior to listed above, this placement date will need to be coordinated with the general contractor. No storage fees will be allowed for the time between the manufacturing date and the delivery date. Submittal approval due date shall be no later than 3:00 PM (local time), December 20, 2024.
Describe packaging requirements	Crate and package ERS for secure and undamaged transportation and delivery.
Where will this item be shipped?	Shipping will be to Golden, Colorado 80401, at the construction site address listed above.

## Additional Comments

Is there other information you would like to include?	
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