MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2026-283
Item to be Scouted	BABA: Plumbing Recirculation Pump
Days to be scouted	14
Response Due By	06/24/2026
Description	Plumbing Recirculation Pumps similar in form, fit, and fashion to the Ecocirc 20 -35

Section 2: Technical Information

Type of supplier being sought	Minnesota Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	1.Metal Casting Bronze pump housings are produced using sand or permanent-mold casting. Castings are cooled, cleaned, and prepared for machining. 2. Precision Machining Critical hydraulic and sealing surfaces are CNC-machined to tight tolerances. Threads and connection interfaces are machined for inline installation. 3. Impeller and Cartridge Fabrication Impellers are injection-molded (composite) or machined (metal). The cartridge assembly integrates the impeller, shaft, bearings, and motor. 4. Motor Manufacturing Copper windings are installed into laminated stator cores. Rotors are assembled and dynamically balanced. Motors are sealed for continuous operation in hot water environments. 5. Electrical and Controls Assembly Integral control boards and sensors are installed within the cartridge or housing. Wiring harnesses are assembled and terminated. Controls are calibrated for constant-speed operation. 6. Final Assembly Cartridge is installed into the bronze pump housing. Seals and O-rings are installed. Inline connections are verified for alignment and fit. 7. Factory Testing Each pump is factory tested for: Hydraulic performance (flow and head) Electrical safety and motor operation Leak integrity Functional operation of integral controls

Provide dimensions / size / tolerances / performance specifications for the item	• Pump Type: Inline circulation pump • Flow Rate: 10 GPM • Pump Head: 11.2 ft • Motor: 1/2 HP • Speed: 2553 RPM • Voltage: 120V • Phase: 1 • FLA: 0.5 • MCA: 0.66 • Application: Domestic hot water recirculation Construction and Performance Characteristics: • Bronze construction for corrosion resistance • Replaceable cartridge design for serviceability • Integral controls (no external controller required) • Compact inline configuration • Constant speed operation for system reliability Overall length (face-to-face): approximately 6–8 inches Overall height: approximately 4–6 inches Maximum body diameter: approximately 3–4 inches Connection size: Typically, ¾ inch to 1 inch threaded or flanged, depending on model Weight: approximately 6–10 pounds

List required materials needed to make the product, including materials of product components	Pump casing / volute: Cast bronze (lead-free alloy suitable for potable water) Cartridge assembly: Integrated pump and motor cartridge, removable for service Impeller: Engineered composite or stainless steel Shaft: Stainless steel Fasteners: Stainless steel Motor and Electrical Components Motor housing: Stainless steel or corrosion-resistant alloy Windings: Copper Rotor / stator laminations: Electrical-grade silicon steel Bearings: Permanently lubricated precision bearings Seals and Elastomers Sealing system: O-ring or cartridge seal design Seal materials: EPDM or equivalent elastomer rated for hot potable water Controls and Electronics Integral controls: Printed circuit boards (PCBs) Sensors and electronic components Wiring: Copper conductors with insulation rated for temperature and moisture exposure
Are there applicable certification requirements?	Yes
Certification(s) required	UL
Are there applicable regulations?	Yes
Details	International Plumbing Code Uniform Plumbing Code National Sanitation Foundation / American National Standards Institute 61 - Drinking Water System Components National Sanitation Foundation / American National Standards Institute 372 - Lead Content Underwriters Laboratories 778 - Motor Operated Water Pumps Underwriters Laboratories 1004 / Underwriters Laboratories 2111 - Electric Motor Safety Standards National Electrical Code - National Fire Protection Association 70 American National Standards Institute / Hydraulic Institute Standards International Organization for Standardization 9001 International Organization for Standardization 9906
Are there any other stndards, requirements, etc.?	Yes

Details	American Society of Mechanical Engineers B1.20.1 American Society of Mechanical Engineers B31.9 United States Department of Energy National Electrical Manufacturers Association MG 1
Additional Technical Comments	Use of alternative products would result in procurement delays, redesign of system components, and increased material and labor costs. These impacts would adversely affect project schedule and budget.

Section 4: Business Information

Estimated potential business volume	1 pump
Estimated target price / unit cost information (if unavailable explain)	$1,500-$3,000
When is it needed by?	Immediate
Describe packaging requirements	Individually wrapped
Where will this item be shipped?	Minneapolis, MN

Additional Comments

Is there other information you would like to include?	Without issuance of this waiver: • Project construction schedule will be delayed • Mechanical and plumbing systems must be redesigned • Additional engineering and construction costs will be incurred • Risk to overall project delivery and occupancy timeline Funding: MHFS (Minnesota Housing Finance Agency) Point of Contact: Nick Hoelscher, nick.h@noorcompanies.com