MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2026-599
Item to be Scouted	Exhaust Fans
Days to be scouted	14
Response Due By	11/18/2026
Description	Bathroom exhaust fans are mechanical ventilation devices designed to remove moisture, odors, airborne contaminants, and stale air from bathrooms and other enclosed interior spaces. They are commonly installed in residential buildings

Section 2: Technical Information

Type of supplier being sought	Manufacturer 2nd Supplier
Reason	These ventilation units are available in several configurations, including standard ceiling-mounted exhaust fans, energy-efficient DC motor fans, low-noise ventilation units, and combination ventilation products with integrated LED lighting or heating capabilities.
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Bathroom exhaust fans are manufactured using a combination of metal fabrication, plastic molding, electrical component assembly, precision motor manufacturing, and final product testing. The fans operate by drawing indoor air through a ceiling or wall-mounted grille, passing it through an internal fan assembly, and exhausting the air through ductwork to the exterior of the building. This process helps control humidity, reduce condensation, prevent mold and mildew growth, and improve overall indoor air quality. Minnesota The general manufacturing process includes: 1. Fabrication of the metal housing and structural support components. 2. Manufacturing of the blower wheel and internal fan components. 3. Production and assembly of the electric motor. 4. Injection molding of plastic grilles and exterior components. 5. Installation of wiring, electrical controls, and optional lighting or sensors. 6. Assembly of the motor, blower wheel, housing, and exhaust connection. 7. Electrical safety testing, airflow verification, and operational noise testing. 8. Final packaging and distribution.
Provide dimensions / size / tolerances / performance specifications for the item	Specification Technical information Equipment type Ceiling-mounted bathroom exhaust fan Airflow capacity 50 / 80 / 110 CFM Motor DC electronically commutated (ECM) Operating voltage 120V Electrical frequency 60 Hz Power consumption Approximately 3.1–9.9 watts Noise level Approximately 0.3–0.8 sones Duct connection 4-inch diameter Housing Corrosion-resistant coated steel Airflow adjustment Selectable airflow settings Electrical connection Hardwired electrical connection Optional features Humidity sensors, motion sensors, LED lighting

List required materials needed to make the product, including materials of product components	Component Description and function Fan housing - Metal enclosure that supports and protects the internal motor and fan assembly. Electric motor - Energy-efficient electronically commutated (ECM) DC motor that drives the fan. Blower wheel - Rotating impeller that generates airflow and moves air into the exhaust duct. Fan grille - Finished exterior cover, generally constructed of molded plastic, that conceals the fan assembly. Exhaust duct collar - Connection point for attaching the fan to the building's ventilation ductwork. Electrical junction box - Enclosure for incoming electrical connections and wiring. Mounting brackets - Structural supports that secure the fan to ceiling framing. Airflow controls - Internal switches or electronic controls that allow adjustment of fan speed and airflow capacity. Optional LED lighting - Integrated lighting assembly available on selected models. Optional sensors - Humidity, condensation, or motion sensors that automatically control fan operation on compatible models.
Are there applicable certification requirements?	Yes
Certification(s) required	UL
Details	HVI Certification
Are there applicable regulations?	Yes
Details	Energy Star and FCC Part 15
Are there any other stndards, requirements, etc.?	Yes
Details	ANSI 300; ANSI 210; International Mechanical Code
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	135 exhaust fans
Estimated target price / unit cost information (if unavailable explain)	$126/unit
When is it needed by?	Immediate
Describe packaging requirements	Palletized
Where will this item be shipped?	Minneapolis, MN

Additional Comments

Is there other information you would like to include?	Funding: MHFA; Minnesota Housing Finance Agency POC: Nick Hoelscher; nick.h@noorcompanies.com