

## \*\*COMPLETE THIS FORM TO INITIATE SUPPLIER SCOUTING\*\*

### MEPNN Supplier Scouting Opportunity Synopsis

\*The submitting organization (ex. MEP Center, requesting company, federal/state agency) agrees to notify NIST MEP of the status of actions taken as a result of this scouting instance within 30 days after receiving a results report. Notification should be via email to [scouting@nist.gov](mailto:scouting@nist.gov), indicating the following:

- Contact with matches identified in report complete and supply contract awarded, process complete
- Contact with matches identified in report complete and no supply contract awarded, process complete
- Contact with matches identified in report complete and supply negotiations underway, process in progress
- Contact with matches identified in report underway; supply negotiations not yet begun; process in progress
- Contact with matches identified in report not yet begun, process in progress
- Contact with matches identified in report will not occur within the next 6-months, process complete

15.5-kv through 362-kv Circuit Breakers

30 days

**Opportunities will be posted for 30 days unless specified**

Item to be Scouted

Please describe the item application/ the end use of item.\* Provide the item number if applicable: (N95 Mask vs Protective Mask).

Procurement is to acquire 15.5-KV to 362-KV circuit breakers. A circuit breaker is an electrical switch designed to protect an electrical circuit from damage caused by overcurrent/overload or short circuit. Its basic function is to interrupt current flow after protective relays detect a fault. Every substation has multiple circuit breakers. They are used on transmission lines, transformer lines, reactor banks, and capacitor banks.

2023-009

Supplier Scouting Number (NIST MEP use)

335313

Scouting customer/product [NAICS Code](#), if known

<b>TECHNICAL INFORMATION:</b>	<b>1. Supplier Information</b>	<p><b>a. Type of supplier being sought*</b></p> <p> <input checked="" type="checkbox"/> <b>Manufacturer</b>                                          <input type="checkbox"/> <b>Contract Manufacturer</b>                                          <input checked="" type="checkbox"/> <b>Distributor</b> </p> <p> <input checked="" type="checkbox"/> <b>Other</b> <u>8(a) small business reseller of domestic end product and US components.</u> </p>
		<p><b>b. Reason for scouting submission*</b></p> <p> <input type="checkbox"/> <b>2<sup>nd</sup> Supplier</b>                                          <input type="checkbox"/> <b>Price</b>                                          <input type="checkbox"/> <b>Re-shore</b>                                          <input type="checkbox"/> <b>Past supplier no longer available</b> </p> <p> <input type="checkbox"/> <b>New Product Startup</b> </p> <p> <input checked="" type="checkbox"/> <b>Other</b> <u>BAA - FAR provide a two-part test for determining if a product qualifies as a domestic end product</u> </p>
	<b>2. Summary of Technical Specifications and Performance Requirements:</b>	<p><b>a. Describe the manufacturing processes (elaborate to provide as much detail as possible).*</b></p> <p>Circuit breakers are manufactured using foreign materials as well as commercially off the shelf. The country of origin for foreign materials are from the following: Interrupter: Japan and China, Porcelain: Romania and China.</p> <p><b>b. Provide dimensions / size / tolerances / performance specifications for the item.*</b></p> <p style="text-align: center; font-size: 1.5em; font-weight: bold;">15.5-kV through 362-kV circuit breakers</p> <p><b>c. List required materials needed to make the product, including materials of product components.*</b></p> <ol style="list-style-type: none"> <li>1. Full breaker assembly and test</li> <li>2. Control and Mechanism Cabinets</li> <li>3. Operating Mechanism</li> <li>4. Interrupter</li> <li>5. Control panel</li> <li>6. Insulators - Porcelains Composites</li> <li>7. Bushing Mounted Current Transformers</li> <li>8. Interrupter Tanks</li> </ol>

	2. Summary of Technical Specifications and Performance Requirements cont:	<p><b>d. Are there applicable certification requirements?*</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Please explain</p>
		<p><b>e. Are there applicable regulations?*</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Please explain</p> <p>The BAA and implementing regulations in the FAR provide a two-part test for determining if a product qualifies as a domestic end product: (i) the item must be manufactured in the United States, and (ii) more than 55 percent of the cost of all the component parts are manufactured in the United States.</p>
		<p><b>f. Are there any other standards, requirements, etc.?*</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Please explain</p> <p>Full range of 15.5-kV through 362-kV circuit breakers requires from one company.</p>
		<p><b>g. Additional Comments: Is there other information that would impact the item's performance or usefulness? Please explain.</b></p> <p>There are not many companies worldwide that can provide the range of 15.5-kV through 362-kV circuit breakers WAPA requires. These companies source their components to manufacture circuit breakers globally. The BAA and implementing regulations in the FAR provide a two-part test for determining if a product qualifies as a domestic end product: (i) the item must be manufactured in the United States, and (ii) more than 55 percent of the cost of all the component parts are manufactured in the United States. Circuit breakers included in this procurement are manufactured in the United States, but previous acquisition history demonstrates the individual components are globally sourced and cannot meet the domestic component requirements listed above. Circuit breakers have a SBA nonmanufacturer rule waiver because small businesses do not manufacture these products</p>
BUSINESS INFORMATION:	3. Volume and Pricing	<p><b>3a. Estimated potential business volume (i.e., # Units Per Day, Month, Year) *:</b></p> <p>\$1.0 Mil - \$2.0 Mil / year</p>
		<p><b>b. Estimated target price / unit cost information (if unavailable explain) *:</b></p> <p>Varies: many different line items for this product.</p>
	4. Delivery Requirements:	<p><b>a. When is it needed by? (Immediate, 30 Days, 6 months, etc.)*</b></p> <p>Immediate</p>
		<p><b>b. Describe packaging requirements (i.e., individually/group packaging)*</b></p> <p>Pallet and trucking</p>
		<p><b>c. Where will this item be shipped? *</b></p> <p>Montana, North Dakota, and South Dakota.</p>
	5. Additional Comments:	<p><b>Is there other information you would like to include?</b></p> <p>An RFI was posted on sam.gov requesting information regarding domestic end products and one response was received. A manufacturer responded indicating circuit breaker components are manufactured in foreign countries. Based on the market research conducted, there are no known suppliers of domestic end products of circuit breaker voltage classes from 15.5-kv through 362-kv.</p>