

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2024-077
Item to be Scouted	Propane-operated thermoelectric generator
Days to be scouted	20
Description	<p>Looking for a MADE IN USA Propane-operated Thermoelectric Generator equivalent to Global Power Technologies' Model P-5050 (made in Canada).</p> <p>Key features: Automatic Spark Ignition (SI), Automatic Fuel Shut-Off (SO), Fuel Filter, Low Voltage Alarm Contacts (VSR), Reverse Current Protection, API 12N Flame Arrestor (Natural Gas Only), Certified to CSA Std. T.I.L. R-10; CE.</p>
State item to be used in	Washington

## Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	<p>Electronic Assembly, Fabrication.</p> <p>Manufacturing process includes assembling thermoelectric modules by connecting many p-type and n-type couples electrically in series and/or parallel to create the desired electrical current and voltage. These couples are sandwiched between two parallel ceramic plates. Then fabricating heat exchangers for efficient heat transfer from the propane burner to the hot side of the thermoelectric modules.</p>
Provide dimensions / size / tolerances / performance specifications for the item	<p>Overall dimensions: 30.5" x 39.0"x 15.5" w/ optional support column 76.3" Long</p> <p>Weight: 90 lbs.</p> <p>Power Specifications: POWER RATING AT 20°C (68°F), 50 Watts @ 14 Volts, 40 Watts @ 54 Volts, 50 Watts @ 27 Volts</p> <p>Cooling Type: Natural Convection</p>
List required materials needed to make the product, including materials of product components	<p>MATERIALS</p> <p>Cabinet: 304 Stainless Steel (SS)</p> <p>Fuel System: Brass, Aluminum &amp; Stainless Steel</p>
Are there applicable certification requirements?	Yes
Certification(s) required	ISO 9001
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	Yes
Details	Certified to CSA Std. T.I.L. R-10; CE
Additional Technical Comments	

## Section 4: Business Information

Estimated potential business volume	1 each. to include pole mount as this unit will be mounted outside.
Estimated target price / unit cost information (if unavailable explain)	\$15,000.00
When is it needed by?	8/31/2024
Describe packaging requirements	Standard
Where will this item be shipped?	8/31/2024

## Additional Comments

Is there other information you would like to include?	
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