

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2025-111
Item to be Scouted	Fuel System for Heavy-Duty Engine Test Cell
Days to be scouted	30
Response Due By	05/16/2025
Description	We are seeking vendors who can provide made-in-America engine test cell hardware, software, and services to include:

## Section 2: Technical Information

Type of supplier being sought	accuracy meeting CFR 1065-307(f). Accuracy must not be affected by pressure waves or changes in flow rate caused by normal transient or steady-state operation of the engine.
Details	Other seeking a supplier who can provide both the equipment and custom on-site installation/integration services.
Reason	A temperature conditioning module capable of heating or cooling the fuel to any setpoint between 20°C and 45°C and maintaining fuel temperature to within 1°C of the setpoint.
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Various as needed: Metal working, metal assembly, electronic assembly, mechanical assembly
Provide dimensions / size / tolerances / performance specifications for the item	Installation of the above components in the HD5 test cell at the US EPA National Vehicle and Fuel Emissions Laboratory in Ann Arbor, Michigan. This includes all plumbing and electrical connections necessary for full functionality.
List required materials needed to make the product, including materials of product components	Integration of the above components with an existing AMTEC electronic pressure control module in the HD5 test cell. Alternatively, you may replace the PR3 with your own pressure control module that duplicates or exceeds the performance and functionality of the PR3 module.
Are there applicable certification requirements?	No
Are there applicable regulations?	Yes
Details	Integration of the above components with the HD5 test site's Horiba STARS host automation system for fuel flow/pressure/temperature reporting and for remote data system must be performed and be with CSIR's computer console. The installed system must perform system of demands with CSIR's computer console applicable to heavy-duty engine testing for exhaust emissions compliance, e.g. CFR 1065-307(f). The system you provide must have a substantial level of acceptance in the North American automotive testing industry.
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	Michigan

## Section 4: Business Information

Estimated potential business volume	This is a one-time purchase and custom installation for a single heavy-duty engine test cell.
Estimated target price / unit cost information (if unavailable explain)	Estimated target price is \$100,000.
When is it needed by?	9 months.
Describe packaging requirements	No packaging requirements specified. Best available. Delivered undamaged. Specifics discussed in negotiation.
Where will this item be shipped?	Vendor to ship items to the National Vehicle and Fuel Emissions Laboratory in Ann Arbor Michigan and provide site installation/integration services as described in Section 1.

## Additional Comments

Is there other information you would like to include?

EPA/OAR/OTAQ/TATD/ETB