

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

|                    |                                                                                                                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scouting Number    | 2025-372                                                                                                                                                                                                                             |
| Item to be Scouted | Biofuels                                                                                                                                                                                                                             |
| Days to be scouted | 15                                                                                                                                                                                                                                   |
| Response Due By    | 12/09/2025                                                                                                                                                                                                                           |
| Description        | Biodiesel (B100, high-oleic, for process use) Commercial ASTM D6751-compliant B100. Source from Texas suppliers (prefer BQ-9000 certified). Best fit: high oleic biodiesel (methyl ester rich). Specs: viscosity 1.9 - 6.0 cSt at 40 |

## Section 2: Technical Information

|                                                                                               |                                                                                              |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Type of supplier being sought                                                                 | 3rd workmanship: clear of water/sediment/suspended matter.<br>Manufacturer                   |
| Reason                                                                                        | Texas<br>2nd Supplier                                                                        |
| Describe the manufacturing processes (elaborate to provide as much detail as possible)        | Please see attached documentation for information on manufacturing processes                 |
| Provide dimensions / size / tolerances / performance specifications for the item              | Please see attached documentation for information on specifications                          |
| List required materials needed to make the product, including materials of product components | Please see attached documentation for information on materials required to make this product |
| Are there applicable certification requirements?                                              | No                                                                                           |
| Are there applicable regulations?                                                             | No                                                                                           |
| Are there any other standards, requirements, etc.?                                            | No                                                                                           |
| Additional Technical Comments                                                                 |                                                                                              |

## Section 4: Business Information

|                                                                         |                                                                                                                                                            |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Estimated potential business volume                                     | Please see attached documentation for information on estimated potential business volume                                                                   |
| Estimated target price / unit cost information (if unavailable explain) | Please see attached documentation for information on estimated target price                                                                                |
| When is it needed by?                                                   | 2026                                                                                                                                                       |
| Describe packaging requirements                                         | In accordance with the US and EU regulations depending on the region for delivery. Best available. Delivered undamaged. Specifics discussed in negotiation |
| Where will this item be shipped?                                        | The USA. Woodlands, TX or Pasadena, TX (both are in the Greater Houston area)                                                                              |

## Additional Comments

|                                                       |  |
|-------------------------------------------------------|--|
| Is there other information you would like to include? |  |
|-------------------------------------------------------|--|

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|--------------------------------------------|------|
|                                            | Sect |
| Email                                      |      |
| Name                                       |      |
| Organization Type                          |      |
| Department/Company/ MEP Center             |      |
| Bureau/Division/MEP Center Regional Office |      |
| Item to be Scouted                         |      |
| State Item to be Used                      |      |
| Days to be Scouted                         |      |
| Description                                |      |

|                                               |
|-----------------------------------------------|
|                                               |
| Products                                      |
| Biodiesel (B100, high-oleic, for process use) |

|                                                                      |
|----------------------------------------------------------------------|
| ion 1: General Information                                           |
| <a href="mailto:ichebotn@central.uh.edu">ichebotn@central.uh.edu</a> |
| Igor Chebotniagin                                                    |
| Center                                                               |
|                                                                      |
|                                                                      |
| See Below                                                            |
|                                                                      |
|                                                                      |
| See Product below in Specification                                   |

|                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                                                                                                                                                                                                                                                                                                       |
| Commercial ASTM D6751-compliant B100. Source from Texas suppliers (prefer BQ-9000 certified). Best fit: high-oleic biodiesel (methyl-oleate-rich). Specs: viscosity 1.9–6.0 cSt at 40 °C; water & sediment = 0.05 vol%; acid number = 0.50 mg KOH/g; sulfur = 15 ppm; flash point = 93 °C; glycerin levels within |

|                                                                                                                                                                       |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                       |  |
| Describe Manfucaturing Process                                                                                                                                        |  |
|                                                                                                                                                                       |  |
| High-oleic biodiesel is made through transesterification of vegetable oils with methanol, then purified, dried, and filtered to meet ASTM D6751 quality standards for |  |

Section 2: Technical Information

| Dimensions/Size/Tolerance                                                                                      |                                   | Required Material     |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------|
| Speifications                                                                                                  | Product Location in Specification |                       |
| Biodiesel (B100, high-oleic, for process use)Commercial ASTM D6751-compliant B100. Source from Texas suppliers |                                   | Manufactured Products |

| Applicable<br>Certification<br>Requirements | Applicable<br>Regulations | Applicable Standards |
|---------------------------------------------|---------------------------|----------------------|
|                                             |                           |                      |

|                                                         |                                                               |                           |
|---------------------------------------------------------|---------------------------------------------------------------|---------------------------|
|                                                         | Section 3: Business Information                               |                           |
| NAICS 1                                                 | Estimated Potential<br>Business Volume                        | Estimated Target<br>Price |
| 541713 Research and<br>Development in<br>Nanotechnology | Bio-diesel: Y1 (50 tons);<br>Y2 (190 tons); Y3 (800<br>tons). |                           |

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|--------------------|
| ation              |
| When is it Need By |
| 2026               |