



DEFENSE LOGISTICS AGENCY

AMERICA'S COMBAT SUPPORT LOGISTICS AGENCY



Defense Logistics Agency Energy "Alternative Fuels Initiatives"

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Purchases to Date

Fischer Tropschs Fuels

- FT Iso-paraffinic kerosene - Air Force platform certification
 - June 2007 – 315,000 USG Gas-To-Liquid – Shell Indonesia
 - June 2008 – 60,000 USG Coal-To-Liquid – SASOL South Africa
 - July 2008 – 335,000 USG Coal-To-Liquid – SASOL South Africa
- FT F76 for Navy engine testing
 - Sept 2009 - 20,000 USG Gas-To-Liquid– PM Group South Africa



Biofuel Procurements

- **Hydrotreated Renewable Jet (HRJ 8) – Air Force testing/certification**
 - Sep. 2009 – 100,000 (100,000 gallon option) USG derived from Camelina - Sustainable Oils
 - Sep. 2009 – 100,000 (100,000 gallon option) USG derived from Tallow - UOP
- **HRJ-5 – Navy testing/certification**
 - Aug. 2009 – 40,000 (150,000 gallon option) USG derived from Camelina - Sustainable Oils
 - Sep. 2009 – 1,500 USG derived from Algae - Solazyme
- **HRF-76 – Navy testing/certification**
 - Aug. 2009 – 20,055 USG derived from Algae - Solazyme
 - Sep. 2010 – 75,000 (75,000 gallon option) USG derived from Algae - Solazyme
- **HRJ-8 – Army testing/certification**
 - Jul. 2010 – 34,950 USG derived from Camelina - Sustainable Oils



Current Procurement Activity

Navy Green Fleet:

- RFI Closed 3 June
- 100,000 gals HRJ-5
- 350,000 gals HRF-76
- Delivery by 15 May 2012
- RFP posted 27 June 2011

Alcohol To Jet - Solicitation can be found on FedBizOpps.gov <https://www.fbo.gov/SP0600-11-R-0703> keyword "ATJ"

- ATJ Volumes
 - 6,000 gallons base quantity
 - Four 1,000 gallon option quantities
 - 1,000 gallons derived from biomass
- Delivery schedule for 6000 gallons of feedstock neutral ATJ:
 - Total of 100 gallons within 3 months of contract award
 - Total of 600 gallons within 4 months of contract award
 - Total of 1600 gallons within 5 months of contract award
 - Total of 2900 gallons within 6 months of contract award
 - Total of 6000 gallons within 9 months of contract award
- Delivery schedule for 1000 gallons of biomass derived ATJ:
 - 1000 gallons by December 30 2012



Evaluation

- The Government will award a contract or a group of contracts to the **lowest priced technically acceptable** offerors in a manner that will result in the lowest overall cost to the Government for the solicited items as a whole, in accordance with the other evaluation clauses contained in this solicitation. A technically acceptable offer is one that meets the Government's product requirements in Section B, specifications in Section C, quality assurance requirements in Section E, and delivery requirements in Section F. An offer that proposes an exception to one of the foregoing requirements will be reviewed to determine whether the fuel will meet the Government's specification and delivery requirements, can physically be accepted, and not compromise fuel quality. If so, an offer containing the exception will also be technically acceptable.



Technical Evaluation Criteria

- Overall process used to manufacture the refined fuel; from alcohol feedstock production through production of the finished fuel product.
- Feedstocks and processes used to produce the alcohol(s) and the type(s) of alcohols
- Supply and / or manufacturing commitments for production processes not performed by the offeror
- Production capability per day, and ability to meet the delivery schedule
- Substantiation of the technical maturity of the fuel, and ability to meet specification requirements
- Material Safety Data Sheet (MSDS)
- Quality control plan



Current Obstacles

- Appropriate partnerships not in place
 - No commitment letters or provides letters with negative responses
- Processing facilities not constructed
 - Can not award to a facility that does not exist
 - No means to determine process requirements
 - No means to provide quality batch data
- Feedstock availability – in all categories except waste oils
- Can not meet requested delivery schedules
- Price - When a technical risk is involved for all proposals, it is difficult to weigh them against the wide variation of costs

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