

**Bid Specification
R-99, Renewable Diesel Fuel**

9108-3279

1.0 SCOPE:

This specification covers the requirements for renewable hydrocarbon diesel fuel suitable for use in diesel engines operating in industrial and heavy mobile (vehicle) service.

2.0 APPLICABLE DOCUMENTS:

Specifications and standards referenced in this document in effect on the opening of the Invitation for Bid forms a part of this specification.

3.0 DEFINITIONS:

“Renewable hydrocarbon diesel” means a diesel fuel that is produced from non-petroleum renewable resources but is not a mono-alkyl ester and which is registered as a motor vehicle fuel or fuel additive under 40 CFR Part 79.

4.0 REQUIREMENTS:

4.1 The renewable diesel fuel shall conform to California Code of Regulations (CCR) Title 4, Division 9, Chapter 6, Article 5, Section 4149.

4.2 The renewable diesel fuel shall also meet the requirements of the California Code of Regulation, Title 13, Division 3, Chapter 5, Article 2, Section 2281 (sulfur content) and section 2282 (aromatic hydrocarbon). Alternative diesel formulations must be certified by CARB. Evidence of such fact shall be available to the California State Department of General Services, Procurement Division, in the form of a letter certifying such compliance and signed by a responsible official of the company proposing to supply this fuel to the State.

4.3 The renewable diesel fuel shall meet the requirements of Low Carbon Fuel Standard (LCFS), Title 17, Division 3, Chapter 1, Subchapter 10, Article 4, Subarticle 7, of California Code of regulations (CCR), Sections 95480 through 95490 (collectively referred to as “LCFS”) applies to any transportation fuel, as defined in section 95481, that is sold, supplied, or offered for sale in California, and to any person who, as a “regulated party” defined in section 95481 and specified in section 95484(a), is responsible for a transportation fuel in calendar year. LCFS regulation became effective on January 12, 2010.

Note: State is end user and will not assume the role as a “regulated party”.

- 4.4** The carbon intensity of the fuel shall be no more than 50 gCO₂e/MJ as determined by the Low Carbon Fuel Standard (LCFS), Title 17, Division 3, Chapter 1, Subchapter 10, Article 4, Subarticle 7, of California Code of Regulations (CCR), Section 95486.

5.0 STORAGE LIFE:

Fuel shall not deteriorate in ordinary storage and shall not form excessive gum, resin, or deposits.

6.0 QUALITY ASSURANCE PROVISIONS:

- 6.1** Supplier shall provide traceability on all shipments back to refinery or within five business days upon request from the State.
- 6.2** The delivered product shall be inspected and tested according to the methods specified in active standards, ASTM D5453 for sulfur, D5186 for aromatics and other test methods specified in ASTM D975.
- 6.3** State of California may, at any time, take a sample of the delivered renewable fuel and conduct the independent test to determine quality of fuel. If the test analysis shows that the fuel does not comply with this specification, the supplier shall be responsible for all the cost related to the test analysis, including shipping and lab test(s), State of California shall have the right to refuse to accept fuel.
- 6.4** Supplier shall ensure that all trucks, railcars, and vessels shall be drained, cleaned, and inspected prior to loading if the previous load contained other petroleum product(s) that would contaminate the renewable diesel fuel.
- 6.5** The finished renewable diesel fuel shall be visually free of un-dissolved water, sediment, and suspended matter.
- 6.6** Supplier shall provide Material Safety Data Sheet (MSDS) for renewable diesel fuel and all other chemicals intentionally added into diesel fuel including additives. MSDS shall accompany with first delivery at each location.
- 6.7** At the time of delivery, renewable diesel fuel shall comply with all Federal, State laws and regulations applicable to renewable diesel.