



Development of Alternative Bio-based Aviation Fuel

This project will explore a new platform for the production of bio-jet fuel derived from lignin based on oxidative fragmentation and catalytic deoxygenation processes.

Development of Camelina oil-derived Fuel for Naval Applications

The Center will explore the development of a process technology based on alkene metathesis for the production of fuel derived from non-food source intended for naval applications.

Viability of Using Straight Plant Oils in Agricultural Operations

The project aims at establishing the viability of using straight plant oils as an alternative fuel in off-road diesel engines based on chemical, performance and emission testing.

Performance of Locomotive Engine Fueled with Biodiesel Blend

This project will demonstrate the utilization of Montana produced biodiesel at B20 level in a switch locomotive engine for a period of one year.

Engine Exhaust Emissions from Off-spec Biodiesel

The Center will assess the possible environmental and health hazards associated with burning off-spec biodiesel in heavy duty highway diesel engines by collecting exhaust emission data.

