

**West Coast Diesel Emissions Reductions Collaborative  
Federal Network for Sustainability**

**Federal Agency Biodiesel Collaborative Project Proposal**

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**Problem Statement:**

Federal Agencies are under a variety of mandates to increase their purchase of alternate fuels, including the Energy Policy Act of 1992 and Executive Order 13149. In the Puget Sound area alone, it is estimated that biodiesel fuel, both B100 and blends, constitutes a growing sector in the AFV market, but precise information on purchasing is difficult to obtain. In addition, since biodiesel is fairly new to the fuels market, federal agencies may not know how to procure biodiesel for federal use. As a result, several agencies have purchased biodiesel fuels and successfully used the fuel, but the information is scattered and difficult to locate in one place..

**Proposed Actions:**

Design and create an easily accessible stand alone interactive web based training module which describes "How Federal Agencies Can Buy and Use Biodiesel Fuels" strictly marketed to federal civilian and defense agencies. This module would describe the regulatory framework, the technical specifications of biodiesel, examples of other successful federal agencies use of biodiesel, and detailed instructions on how to purchase biodiesel fuels from DESC, the Defense Energy Support Center. The project would also require development of an inventory of current biodiesel use in federal agencies on the west coast.

**Partnering Agencies/Groups:**

The Federal Network for Sustainability, [www.federalsustainability.org](http://www.federalsustainability.org), which consists of over 16 federal agencies on the West Coast could host the "How Federal Agencies Can Buy and Use Biodiesel Fuels" website module on its website, and offer it to other interested websites within the federal sector. Thus, the target audience would be federal agencies FNS would seek to partner with the Defense Energy Support Center, DESC, which is the primary purchasing agent for fuels for federal agencies, civilian and military and would be a key player in creating such information In fuel purchase.

**Benefits/Measurements of Success for the Project**

**O Potential Fossil Fuel Reductions (three years) Gallons \_TBD\_\_\_\_\_**

The potential for Fossil Fuel Reductions is very high depending on whether B100 or B20 fuel is used. Biodiesel has been shown to reduce CO2 emissions dramatically, as well as hydrocarbons, particulates and air toxics. Studies have shown an increase in Nox, however, research on the use of additives to reduce Nox is being performed.

**O Potential for Market Transformation**

The potential for market transformation is huge, especially given the vast consumer power of the federal government. The opportunity for training and education on AFVs such as biodiesel is very important.

**O Other Savings**

There may be other savings associated with education on the use of biodiesel fuels, but this information would be highlighted in showcasing biodiesel use.

**Estimated Costs, with other Possible Funding Sources**

\$4,000, if the FNS can partner with Navy NW and use their contractor support, the possibility exists to match this funding amount.

**What Is the Project Timeframe:**

**Short (September Announcement)**      Could be announced in September

**Medium (FY05)**      Completed in 6 months

**Long-term (> FY05)**

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