

# Green Vehicle Technology Expo and Workshop



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## The Problem

## The Biodiesel Solution

Global warming	CO <sub>2</sub> reductions up to 78%
Energy security	100% domestically sourced and produced
Petroleum trade deficit	US\$ stay here; export potential to Europe
Lung disease	Only alt fuel to pass EPA health tests

# What is *biodiesel*?

A liquid fuel derived from virgin or used vegetable oils, such as soy or canola.

- Domestic
- Renewable
- Clean burning
- Non-toxic
- Biodegradable
- Energy Efficient
- Drop-in substitute

# How is biodiesel used?

- Diesel engines
  - On-highway
  - Off-highway



- Oil furnaces
- Easily blends with petroleum products

# Who is using biodiesel today?

- All branches of the U.S. military – including **U.S. Coast Guard Academy**; USPS; DOA; GSA
- State fleets - including **Connecticut DOT**, New Jersey DOT, Missouri DOT
- Municipal fleets - including **New Haven, Cheshire, Glastonbury, Sharon and Salisbury, CT**; City of Keene, NH; Clark County Public Works Department, Vancouver, WA; City of St. Louis, MO; Hennepin County, MN; Arlington County, VA
- School bus fleets, including Warwick Public Schools, RI; Chicago School Transit, IL; Medford School District, NJ; Deer Valley School District, AZ; St. Johns Public Schools, MI
- Private fleets, including Alcoa, Florida Power & Light Company, Clif Bar, L.L. Bean, New Belgium Brewery, Fetzer Vineyards, Jones Soda Co., Georgia Power
- U.S. National Parks, including Yellowstone and Channel Islands
- Marine vessels, including Western Prince Whale & Wildlife Tours, Seattle, WA

# CT Biodiesel/Bioheat Association

- Representing producers, marketers and affiliates
- Primary objectives
  - Establishing state incentives for the production and use of biodiesel in CT
  - Ensuring product quality
  - Outreach and education

# 2007 Legislative Accomplishments

- Established ASTM D 6751 as uniform quality standard in CT statutes
- Established CT Qualified Biodiesel Producers Incentive Account
  - Partial grant reimbursement for production equipment
  - Partial grant reimbursement for distribution equipment
- Established biofuels research fund
- Encouraged the use of bioheat in state facilities

# Thank you!

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