

Low Carbon Fuels Round-Table Discussion

Kevin Wood, Coordinator

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Clean Cities

- U. S. Department of Energy Clean Cities Program
- Mission To advance the energy, economic, and environmental security of the U.S. by supporting local decisions to reduce petroleum use in transportation.

The San Diego Regional Clean Cities Coalition was established in 1996 to:

- Build partnerships to support clean vehicle deployment
- Promote alternative fuels including: Electricity, propane, natural gas, biodiesel and ethanol
- Help fleets and consumers make informed decisions about fuel technologies



Board of Directors



























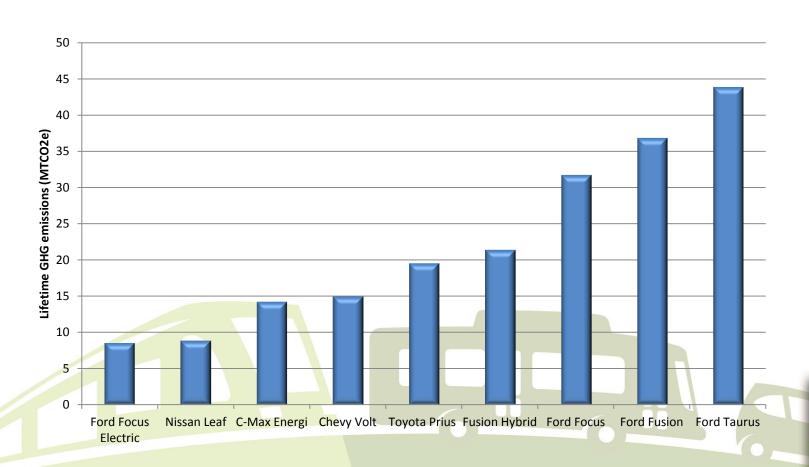








Low carbon fuels & technologies are available in many duty cycles and offer reduced emissions and help control fuel costs





Clean Cities Resources



Biodiesel is a domestically produced, renewable fuel that can be manufactured from new and used vegetable oils, animal fats, and recycled restaurant grease. Biodiesel's physical properties are similar to those of petroleum diesel, but it is a cleaner-burning alternative. Using biodiesel in place of petroleum diesel significantly reduces emissions of toxic air pollutants.

What is a biodiesel blend?

Biodiesel can be blended and used in many different concentrations, including B100 (pure biodiesel), B20 (20% biodiesel, 80% petroleum diesel), B5 (5% biodiesel, 95% petroleum diesel), and B2 (2% biodiesel, 98% petroleum diesel). B20 is a common biodiesel blend in the United States.

Can I use B20 in my vehicle's diesel engine?

For vehicles manufactured after 1993, biodiesel can be used in diesel engines and fuel injection equipment with little

biodiesel blends above B5 in on-highway vehicles manufactured in model year 2007 and later. In these vehicles, high levels of fuel may accumulate in the engine lubricant under certain conditions. It's not known whether those high levels of biodiesel might affect lubricant performance.

with a dealer to determine which biodiesel blend is right for your vehicle. You can also find general and manufacturer-specific information on

Will biodiesel per as well as diesel?

Engines operating on B2 similar fuel consumption and torque to engines rui conventional diesel. And a higher cetane number (a the ignition value of diese higher lubricity (the ability fuel pumps and fuel inject U.S. diesel fuel. B20's ene is between those of No. 1 diesel.

ENERGY Energy Efficiency & Renewable Energy

Clean Cities

2014 Vehicle Buyer's Guide

- Natural Gas
- Propane
- Biodiesel
- Electric
- Hybrid
- Ethanol Flex-Fuel

Check your OEM's website or speak









This site is an initiative of the U.S. Department of Energy's Clean Cities program.

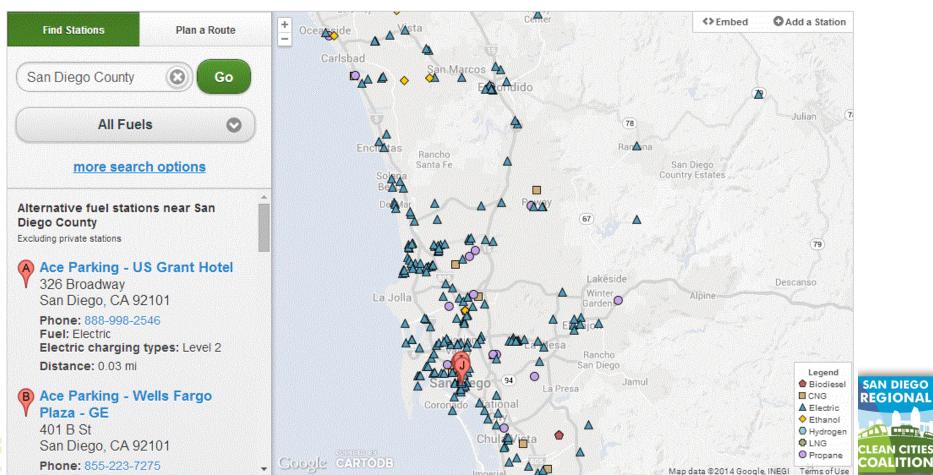
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Clean Cities Resources

Alternative Fuels & Advanced Vehicles Data Center www.afdc.energy.gov

Alternative Fueling Station Locator

Find alternative fueling stations near an address or ZIP code or along a route in the United States. Enter a state to see a station count.



Clean Cities Resources

Alternative Fuels Data Center – Tools

http://www.afdc.energy.gov/tools



GREET Fleet Footprint Calculator



 PREP- Petroleum Reduction Planning Tool



Event Schedule

- 11:00 a.m. Introductory Presentation SANDAG
- 11:20 a.m. Round-Table Discussions
- 12:10 p.m. Networking Lunch
- 12:30 p.m. Closing Presentation EPIC



Event Schedule

- Round-table
 - Topics:
 - Gaseous fuels
 - Biofuels
 - Electric & hybrid
 - 15 minute discussions









Today's Speakers





- Susan Freedman, San Diego Association of Governments (SANDAG)
- Nilmini Silva-Send, Energy Policy Initiatives Center (EPIC)



Round-Table Discussion Leaders

- Nick Lumpkin, Clean Energy
- Jorge Parra, Propel Fuels
- Danielle Brannan, New Leaf Biofuel
- Brett Williams, Center for Sustainable Energy



Contact Information

Kevin Wood

San Diego Regional Clean Cities Coalition

858-244-7295

