

5 Ways To Drive Green

1. **Slow down!** Driving 75 instead of 65 mph can lower your fuel economy by as much as 10%.
2. **Lose some weight!** Carrying around an extra 100 pounds can reduce fuel economy by 1%. Unload that cargo area!
3. **Use “natural” air conditioning.** Air conditioner use increases fuel consumption. Try vents and open windows instead.
4. **Combine trips.** Warmed up engines and catalyts generate much less air pollution.
5. **Keep your tires properly inflated.** Tires should be inflated to the level recommended for your vehicle. For every 3 pounds below recommended pressure, fuel economy goes down by about 1%.

City of Ann Arbor Passes Green Fleets Policy

On June 21, 2004, the **Ann Arbor City Council** approved a “**Green Fleets**” policy. The policy provides that the City purchase the most cost-effective, least polluting vehicles and fuel-using equipment possible, while still meeting regular operational requirements. The City has set a target of a 10% reduction in total annual fuel use by 2012, with associated reductions in carbon dioxide and other emissions. As a means of accomplishing this goal, fuel efficiency standards, capacity for alternate fuel use, and “right-sizing” (reducing vehicle size and eliminating old and underused vehicles) will be included in all vehicle procurement decisions. The policy is administered by a **Green Fleets Team** comprised of numerous City departmental representatives. To learn more about Green Fleets, contact **Dave Konkle** at (734) 996-3150.

the numbers

36 EPA City estimated mpg of the new Ford Escape Hybrid SUV

5 Percent biodiesel (B5) included in the fuel tank of each new Jeep Liberty CRD coming off of the assembly line in Toledo, Ohio

20,000,000 Barrels of oil used by the U.S. each day

300,000 Projected global annual Toyota hybrid vehicle sales by 2005

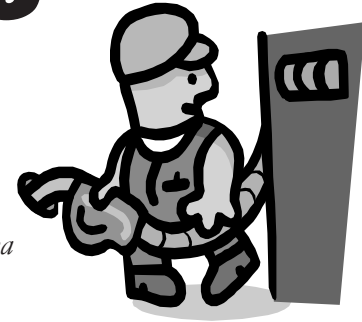


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CLEAN FUELS NEWS

Fall 2004

Up-to-the-minute news and information on alternative fuels and vehicles brought to you by the Ann Arbor Area Clean Cities Coalition



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Clean Fuels News is a quarterly publication of the Ann Arbor Area Clean Cities Coalition (AACC). Editors are David Konkle and Sean Reed.

For more information on AACC, contact Sean Reed at (734) 994-4780 or sreed2@ci.ann-arbor.mi.us

Remember: The cleanest fuel is one you never use!

EPA Funds Clean School Bus Initiative


The U.S. Environmental Protection Agency (EPA) has awarded a Clean School Bus grant to **Ann Arbor and Manchester Public Schools** to reduce diesel emissions





from school buses and protect children from breathing unhealthy air. The \$95,357 award was among 20 federal grants bestowed nationally as part of a \$5 million demonstration program to showcase cleaner technologies for school buses. Manchester will use the funds to operate its fleet of 18 buses on biodiesel (B20). Ann Arbor will use the funds to procure EPA verified oxidation catalysts for 110 diesel school buses. Diesel oxidation catalysts are devices that use a chemical process to break down pollutants in the exhaust stream into less harmful components. The catalysts average \$600-\$2,000 and can be installed in a couple hours on any new or used diesel vehicle. Additionally, AAPS will install crankcase filtration systems in three buses as a trial of the systems and test the bus cabins for diesel particulates. According to **Clean School Bus USA**, 24 million children spend an average of an hour and a half each day riding in school buses as they travel more than 4 billion miles each year. Most buses run on diesel fuel, which contains significant levels of fine particulate matter. These small particles pass through the nose and throat and lodge themselves in the lungs where they can cause lung damage, premature death, and aggravate conditions such as asthma and bronchitis. Children are more susceptible to this type of air pollution than healthy adults. To learn more about the EPA's program, go to:


<http://www.epa.gov/cleanschoolbus/>.

Random News Roundup

 **Dulcey Simpkins**, formerly with the City of Ann Arbor, is the new Coordinator of the **Michigan Biomass Energy Program**. Congratulations Dulcey!

 **Thailand**, which imports more than 90% of the oil it consumes, plans to replace regular gasoline with **E10** (a 10% ethanol blend) to curb national dependence on imported crude oil.

 On September 24, 2004, the **California Air Resources Board (CARB)** passed the world's first **vehicle global warming regulation**. The rule will go into effect in the 2009 model year, ultimately requiring a 30% reduction in vehicle greenhouse gas emissions by 2016.

 **Willie Nelson's** new car: Mercedes 320 CDI
His fuel of choice: **biodiesel**



Meijer To Open 2 New B20 Stations

Meijer, the **Ann Arbor Area Clean Cities Coalition**, and the **Michigan Soybean Promotion Committee** have received a \$24,500 grant from the State of Michigan Energy Office to develop the infrastructure for two new, public B20 (biodiesel) stations. The B20 fueling pumps will be placed at the Meijer fueling stations located on Ann-Arbor-Saline Road in Ann Arbor and on Carpenter Road in Ypsilanti. Although Meijer owns and operates over 140 fueling stations throughout the Midwest, these are the first Meijer stations to sell biodiesel. A grand opening event for both stations is anticipated for December of 2004. Check out our website, www.aacleancities.org, for updates and details.

Oil Free In 50 Years!

No, that doesn't mean oil will be free in 50 years; it means we *could* kick our petroleum habit in 50 years *if* we took advantage of strategic opportunities currently available to us. According to the report, **Oil End Game**, recently published by the **Rocky Mountain Institute (RMI)**, for profit businesses and novel public policies striving to expand and implement technologies available today could easily halve our oil use by 2025. The market oriented approach advocated by RMI is innovation-driven without mandates or tax-increases. The strategic approach involves using oil twice as efficiently and substituting displaced oil with biofuels, saved natural gas, and optionally, hydrogen. To learn more, visit www.oilendgame.org to download the full report.

Michigan B2 Mandate Update

The **Michigan House Agriculture Committee** has passed **HB 5942**, which requires all diesel fuel sold in the State of Michigan to be comprised of 2% biodiesel (B2) beginning in 2007. The bill was approved by a vote of 6 to 4 and will, more than likely, go to the House floor sometime after the November election. Although eight states currently mandate the use of biodiesel for state-owned vehicles, Minnesota is the only state thus far to have enacted legislation mandating retail sales of biodiesel. Committee Vice Chair Rep. **Neal Nitz**, R-Baroda, is the sponsor of the measure. According to Nitz, "This legislation offers Michigan a golden opportunity to help farmers, improve air quality, and even cut engine maintenance costs." The use of B2 does not require modifications to engines or fuel pumps. Experience with biodiesel in Michigan is extensive: the City of Ann Arbor, Michigan State University, Detroit Edison, the University of Michigan, Ann Arbor Public Schools, Washtenaw County Road Commission, and many others are all users of biodiesel.



Member Spotlight: EPA Emissions Laboratory

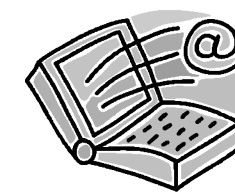
The U.S. Environmental Protection Agency's (EPA's) **National Vehicle and Fuel Emissions Laboratory**

(NVFEL) has been a member of Ann Arbor

Area Clean Cities since its designation by the U.S. Department of Energy. NVFEL, which was founded in 1971 and has about 400 employees, is an amazing national resource located right here in Ann Arbor. The Lab is a part of the EPA's Office of Transportation and Air Quality (OTAQ), whose mission is to reconcile the transportation sector with the environment by advancing clean fuels and technology and working to promote more livable communities. The Lab's primary responsibilities include developing national regulatory programs to reduce mobile source related air pollution from vehicles; evaluating emission control technology; testing vehicles, engines, and fuels; determining federal compliance with federal emissions and fuel economy standards; and providing state and local air quality regulators and transportation planners with critical information on transportation and incentive-based programs.

New AACC Website Launched

The Ann Arbor Area Clean Cities Coalition has launched a newly revised website; located on the web at:



www.aacleancities.org. A primary objective of the new site is to serve as an effective vehicle (pun intended) for keeping stakeholders and the general public up to date on local clean fuel activities. The site contains valuable information pertaining to the types and locations of local alternative fueling facilities, new Clean Cities funding opportunities, a calendar of upcoming events, and much, much more. Bookmark it next time you are surfing the web and check back often for updated content.

GM

GM is dedicated to protecting human health, natural resources and the global environment. We also have a responsibility to our shareholders to continuously make good business decisions.

That is why we are constantly improving the performance of today's vehicles, as well as the processes used to make them. Learn more about GM alternative fuel vehicles on the web at:
<http://www.gm.com/automotive/innovations/altfuel/>