

Upcoming Events

Save the Date: Ann Arbor Green Fair

June 17, 2005, Main Street, 6 pm to 9 pm

This year's Green Fair will feature numerous hydrogen powered vehicles including the Ford Focus fuel cell, the Ford H2 ICE shuttle bus, and DaimlerChrysler's UPS fuel cell Sprinter vehicle. Come welcome Dartmouth University's ultimate frisbee team as they make their way across the country in their bus powered by vegetable oil.

Southeast Michigan Biodiesel Bus Tour a Tremendous Success

Following in the footsteps of last year's highly successful SW Michigan tour, the **Michigan Department of Agriculture, Michigan Soybean Promotion Committee, and Ann Arbor Area Clean Cities Coalition** organized the 2005 Biodiesel Bus Tour of Southeast Michigan. Over 60 participants packed the Verhey Transport B-20 powered bus for the day-long tour which included stops at the Geagley Motor Fuel Quality Lab, Oakland University, Meijer Fueling Station, and EPA Emissions Laboratory. There were presentations throughout the day by Kim Mahrle of Wacker Oil, Dr. Loren K. Beard of DaimlerChrysler, Dave Konkle of AACC, Tim Shireman of the Michigan Energy Office, Representative Neal Nitz, and many others! Funding for the tour came from the Michigan Energy office, Department of Energy, and Michigan Soybean Promotion Committee.

the numbers

Each year, the Ann Arbor Area Clean Cities Coalition conducts a survey of stakeholder activity. This survey not only allows us to measure our past effectiveness, but it helps us determine where to allocate our resources in the coming year. This segment of *the numbers* contains some of the information from our 2004 survey, as well as a brief glimpse of the past. Thanks to the many stakeholders who took the time to help us compile the information!

46	1999 alternative fuel vehicles on the road
950	2004 alternative fuel vehicles on the road
969,931	Gallons of alternative fuels used
17	Alternative fuel fueling stations
670,772	Number of gallons of B-20 used (our most popular fuel)
50,000	People reached (estimated) as a result of stakeholder activities

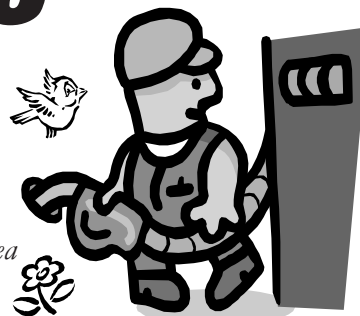


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CLEAN FUELS NEWS

Spring 2005

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!

Meijer Holds B-20 Grand Opening

On April 11th, Meijer, AACC, and the Michigan Soybean Promotion Committee held a celebration to mark the grand opening of Meijer's B-20 (20% biodiesel) fueling pumps at the company's Ann Arbor Saline Rd. and Carpenter Rd. fueling sites. Dignitaries at the event included U.S. Rep. John Dingell, Mayor John Heiftje, Pittsfield Twp. Supervisor John Walter, State Representatives Nitz, Ball, Law, Kolb, and Byrnes, State Sen. Liz Brater, and a representative from U.S. Sen. Carl Levin's office. Needless to say, it appears that there is some significant and growing political support for biodiesel! Funding for Meijer's B-20 fueling facilities was provided by the Michigan Energy Office. AACC thanks Meijer for showing tremendous leadership by adding biodiesel to its alt fuel lineup, which also includes compressed natural gas.

Did you know...

New tax laws have brought the price of biodiesel to at or below the price of regular diesel.

The End of Oil?

With gas prices hitting all time highs (over \$3.20 a gallon in California), there has been a lot of talk about "peak oil", the point in time when the extraction of oil reaches its highest point and then declines. But are we really on the precipice of a major energy crisis, or are we hitting a bump in the road that will shortly be behind us (think Jimmy



Carter's sweater in the 1970's)? The authors of numerous recently published books predict a dire future as a result of our oil dependency. With titles such as *The Long Emergency*, *The End of Oil*, and *Twilight In The Desert*, the word "alarmist" comes easily to mind. However, far from being a fringe group, peak oil zealots include an ever growing number of well informed industry insiders.

Since the Clean Cities program has as its primary goal the reduction of our dependence on oil, it seemed fitting that Paul Roberts, author of the recently published book, *The End of Oil*, was a featured speaker at the 2005 Clean Cities conference. In his hour-long speech, Mr. Roberts provided an overview of some of the key findings from his book. His principle finding, unsurprisingly (based upon the title) is that we are depleting oil at an alarming rate. Whether we will hit an oil production peak this year, in ten years, or twenty years, he admits is a matter of debate. What he feels is not a matter of debate is that we have a lot of time to merely debate the matter. The transition to an economy that uses its resources in a wise and ultimately renewable fashion is not something which will happen overnight. With no silver bullet in sight, it will take the concerted and sustained effort of government, private, and nonprofit sectors. Sounds like a job for Clean Cities!

Got hydrogen ?

The world of hydrogen is beginning to open up. Ford and Honda have made announcements this year of lease opportunities for hydrogen powered vehicles. Ford is offering fleets a three year lease of their **H2 ICE E-450 shuttle bus**. The advanced hydrogen internal combustion powered vehicle has a 6.8-liter Triton V-10 engine, E-450 chassis cab, and shuttle bus body. The bus has near zero regulated and CO2 emissions. Ford is planning to lease 100 H2 ICE vehicles. If you have an interest in leasing an H2 ICE vehicle, you might need some grant money to do so as the cost is \$250,000; contact Sean Reed at Ann Arbor Area Clean Cities to explore the possibilities.

Honda has announced that it will offer companies and individuals lease opportunities of its zero emissions **FCX** fuel cell vehicles. The lease charge will be \$500 a month for what Honda is calling the world's first "production" fuel cell vehicle. The FCX tops out at 93 m.p.h. and has a range of 190 miles (if you drive conservatively), or 125 miles if you push it, from 8.4 pounds of hydrogen. With its original fuel cell stack, Honda claims to have gotten around the cold start issues that plague most fuel cell vehicles on the road today.

If you have access to hydrogen refueling (not an impossibility here in Michigan) and a desire to be noticed, the FCX or H2 ICE might be the hydrogen gateway vehicle you've been waiting for.

Random News Roundup



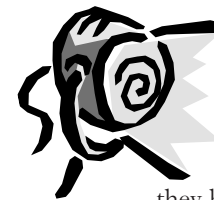
The State legislatures of **Montana** and **Minnesota** have recently passed into law mandates that gasoline sold in-state contain set percentages of **ethanol**. Montana's law is for E-10 (a 10% blend) and goes into effect after the state has 40 million gallons of annual capacity. Minnesota's E-20 mandate goes into effect in 2013 and increases the currently mandated level of E-10.



Toyota has announced that a hybrid model of its popular **Camry** will be manufactured in Kentucky with a rollout of 48,000 vehicles annually starting in 2006.



Greater Lansing Area Clean Cities (GLACC) has hired a new Coordinator, **Rachanee Kitchel**. The program is being hosted by Lansing Community College. **Detroit Clean Cities** is being revived by NextEnergy with **Rachel Kuntzsch** as the Coordinator. Welcome to Clean Cities!



Member Spotlight: Sellers Truck Center

Although **Sellers Truck Center** has only recently officially joined the Ann Arbor Area Clean Cities Coalition, they have been actively participating in AACC activities for over a year. Sellers AACC liaison, **Dick Pennell**, has been a valuable presence at Coalition meetings and has brought display vehicles such as the new GM hybrid pickup truck and a propane powered shuttle bus to our Earth Day and Green Fair events. Sellers, a member of the National Truck Equipment Association, has been in business for over 30 years, and sells GMC and Isuzu commercial vehicles. With increased costs for operating diesel vehicles slated for the coming years as a result of 2006 EPA emissions requirements, Sellers sees a promising future for liquid propane powered vehicles in Michigan. You can find Sellers on the web at commercialtruck.com or come chat with them at the 2005 Green Fair.

Funding Update: Opportunity Knocks

The **Propane Education & Research Council** (PERC) & **DOE Clean Cities** are offering a total of \$200,000 in funding for projects to create propane-powered vehicle programs that increase the number of propane gallons sold, reduce America's dependence on foreign oil, and reduce pollution from conventionally powered vehicles. A high priority will be placed on projects addressing airport development, on-road applications, idle reduction, and lawn and garden equipment. Proposals **must be submitted by June 30th** and cannot be for more than \$50,000.



The **Michigan Biomass Energy Program** is offering a maximum award of \$2,500 to support workshops or events that increase public awareness about energy or fuel derived from Michigan Biomass resources.

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



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/>