

ABOUT DETROIT AREA CLEAN CITIES COALITION (DACCC)

Detroit Area Clean Cities Coalition, facilitated by NextEnergy, is working in southeast Michigan to achieve cleaner air and energy security through clean fuel and alternative vehicle usage. Stakeholders include fleets, corporations, non-profit organizations, utilities, local governments, and individuals – anyone interested in ways clean fuels and vehicles can improve air quality and energy security.

DACCC welcomes new members!

Tri-County International Truck *Champion Level Member*

Tri-County International Trucks/ C&S Motors Inc. have been serving the truck transportation needs of organizations and individuals throughout SE Michigan for over 50 years. They offer the following services from branch operations in Dearborn, Flint, Warren, Livonia and Ypsilanti (new branch location opening March, 2008).

- New and used truck sales
- Full-service leasing
- Daily and long term truck rental services
- Complete parts sales and delivery services
- Full service and repair services performed by certified technicians



**Tri-County
International
Trucks, Inc.**

Dearborn: (313) 584-7090
Warren: (586) 771-6760
Flint: (310) 234-5686
Livonia: (734) 422-1850
www.tricotruck.com

The International DuraStar Hybrid delivers cleaner transportation without sacrificing performance. International is committed to the development of diesel electric hybrid technology. Their goal- improved uptime, reduced operating costs and a cleaner environment. Tri-County International shares in this vision and offers to the SE Michigan market the International DuraStar Hybrid- a truck ahead of its time. Visit them on the web at www.tricotruck.com

Consolidated Energy Systems, LLC *Ally Level Member*

Consolidated Energy Services Introduces The Diesel Magnum Propane Injection System: 25% to 35% increase in MPG guaranteed.

Warren, Michigan-based Consolidated Energy Services, L.L.C. has launched the Diesel Magnum as a cost effective solution for diesel fleets to burn more diesel fuel in a much cleaner fashion within the vehicles' engines. The Diesel Magnum is an aftermarket solution that installs quickly, easily,



and affordably in the engine compartment of the vehicle in proximity to an on-board propane tank that is hard-mounted to the vehicle. Inside the cab is a Mini Module for easy user interface. The Diesel Magnum works by introducing propane into a turbo charged diesel engine via the fresh air intake through the Diesel Magnum's Venturi Adapter. Acting as an accelerant, the propane injection promotes a fast, even burn of the diesel fuel. The result is more complete combustion of the injected diesel fuel resulting in better fuel efficiency, more power, and fewer emissions. "This is a tested and retested technology that guarantees fuel savings and reduced emissions," states CES president Daniel Kurzawski, "It's hard for me to be anything less than wildly enthusiastic about the results we've seen. Diesel fleet owners are the ideal market for the Diesel Magnum, and we even guarantee results with a 30 day free trial. We install it in your trucks. We give you free propane. And if you aren't satisfied we take it out in 30 days at no cost to you. Guess what? No one's been unhappy with the results." The Diesel Magnum works on any turbo Diesel Engine. Learn more about Consolidated Energy Services at www.TheDieselMagnum.com.

RKA Petroleum *Ally Level Member*

RKA Petroleum Companies, established in 1969, is a third generation privately-held family business. Certified by the Women's Business Enterprise and headquartered in Romulus, Michigan, RKA distributes more than 350 million gallons of fuel annually through its network of retail dealers, commercial business and job sites, and its pipeline terminal operation. The company does business throughout the United States and Ontario, operates Rex Carriers, its common carrier transportation business, and RKA Petroleum, LLC, its terminal facility. RKA Petroleum is a leader in the biofuels industry and is the only terminal in Michigan to offer in-line blended biodiesel at the rack. RKA offers many products including jet Fuel, diesel, gasoline, ethanol, E85, and rack-blended biodiesel. RKA operates one of only a handful of facilities in the country that is a fungible, multi-feedstock biodiesel storage and blending facility. Quality fuel is of the utmost importance and RKA will soon become the first Multi-feedstock BQ9000 Certified Marketer in the world. As a leader in the biofuels industry, RKA has recently attracted Alternegy, a multi-feedstock biodiesel manufacturer to construct a 30MMg/year facility on its property in Romulus. "This strategic partnership will offer many benefits to the local economy and to the end-user," notes Jason Hittleman, Director of Biofuels & Information Systems for RKA Petroleum Companies. RKA will handle the terminal thru-put services, marketing, and transportation for Alternegy To learn more about RKA Petroleum Companies, please visit their website at www.rkapetroleum.com.



Oppenheimer *Ally Level Member*

As a leading investment bank and full-service investment firm, Oppenheimer is dedicated to providing independent financial advice, a full spectrum of traditional and nontraditional products and solutions, and responsive client



service to individuals, families, corporate executives, businesses, and institutions. Oppenheimer is committed to providing investment solutions, which help the United States find alternative energy solutions to reduce our nation's petroleum dependence and win the war on terror. For more information, visit www.opco.com.

W.W. Williams *Ally Level Member*

W.W. Williams is an independent distributor for Detroit Diesel, Mercedes Truck Engines, MTU, Allison Transmission, and Donaldson retrofit emission technology. The company was founded in Columbus, Ohio in 1912. W.W. Williams represents and services some of the most advanced and innovative diesel engines, automatic transmissions, exhaust filtration systems, and power generation systems currently on the market.

To learn how you can join DACCC, contact Rachel Kuntzsch at Rachel@kbsincorporated.com or 517.285.0460

NEWS

Art Van joins NextEnergy's National Biofuels Energy Laboratory

Art Van, the Michigan-based furniture company, has joined NextEnergy's National Biofuels Energy Laboratory (NBEL) as the first official test fleet for the standardized biodiesel fuel being developed by NBEL. Over the past two years, Wayne State University scientists at NBEL have assisted in developing a national standard for the next generation of biodiesel vehicle fuel (B6 - B20.) The efforts of NBEL and other organizations have been rewarded by ASTM International, the global leader in formulaic standards recognition, whose technical subcommittee has approved a B6-B20 standard, a critical first step toward standardizing biodiesel fuel and thus allowing warranted use by vehicle manufacturers around the world. ASTM International is an independent organization whose



American Standard Test Method is relied upon worldwide. Among current alternative fuel options, biodiesel is an easy transition for the consumer; at fueling stations B20 can be stored and pumped through the existing infrastructure of tanks and fuel pumps. The ASTM standard is a major milestone in the effort to achieve broad use of this clean renewable fuel. With an ASTM standard in place, manufacturers can initiate testing of the fuel in vehicles to determine performance, emissions, durability and reliability. When that phase is complete, manufacturers will individually determine whether to support B20 use in select or all diesel equipped vehicles.



L to R: Ken Barnett, CEO, Mars Advertising; Merrill Kramer, CEO, Alternegy; Robert Ficano, Wayne County Executive; Keith Albertie, VP, RKA Petroleum, Jason Hittleman, Dir. Biofuels & Information Systems, RKA

Wayne County Executive Robert Ficano praises \$30 million biodiesel refinery planned for County in State of The County Address

Alternegy is currently constructing the first phase of its 30 million gallon biodiesel production facility in Romulus, Michigan adjacent to RKA Petroleum. According to Alternegy CEO, Merrill Kramer, "Alternegy deeply appreciates Executive Ficano's

support for clean renewable fuels. We are particularly grateful for Mr. Ficano's assistance in bringing Alternegy's \$30 million biodiesel refinery to Michigan and to Wayne County. The refinery will directly result in 24 quality jobs and 70 construction jobs in Wayne County, many more jobs in the transportation, farming, petroleum and automotive sectors." According to Kramer – in addition to Executive Ficano -- Governor Granholm, Congressman Dingell, State Senator Basham and Representative Hopgood, are also supporting the Wayne County project. More at www.alternegyfuels.com.

Troy Birmingham Transit Oriented Development

For seven years, two of metro Detroit's most wealthy suburbs have been planning a joint transit center. Last month, [University of Michigan](http://www.michigannow.org) students showed off their models for what the center should look like. *Michigan Now's* Chris McCarus has been talking to officials (in Birmingham and Troy) about something called TOD or [Transit Oriented Development](http://www.michigannow.org). They say their wealth won't mean much if they don't make it happen. Listen to this story at www.michigannow.org

Feds Give \$29 Million for Grand Rapids Bus System

Greater Grand Rapids has just received a \$29 million dollar pledge from the federal government to beef up it's public transit system. The goal is not just to buy the most environmentally friendly buses, but to liven up downtown as well. And judging from what the city has done so far, public transit is a good economic development tool. *Michigan Now's* Chris McCarus reports. www.michigannow.org

NextDiesel gets more biodiesel production capacity

New York City-based GreenShift Corp. Wednesday announced an agreement with Adrian-based Biofuel Industries Group LLC, which does business at NextDiesel. Under the deal, GreenShift will design and build more than \$10 million worth of biodiesel production, feedstock pre-treatment and related process equipment based on GreenShift's proprietary biofuel technologies. GreenShift had previously sold NextDiesel an early version of its 10 million gallon per year

biodiesel production system. NextDiesel is using this equipment today to produce and sell biodiesel out of pork fat, crude vegetable oils and other feedstocks. Under the new agreements, GreenShift will design, build and commission an additional 20 million gallons per year of biodiesel production capacity with full alternative feedstock processing capabilities. In addition, GreenShift's process engineers will manage plant operations during the construction of the increased capacity in return for a fee based upon NextDiesel's earnings through Dec. 31, 2008.

<http://www.wwj.com/pages/1689139.php>

Coke to buy hybrid delivery trucks from Eaton

Cleveland-based Eaton Corp., whose hybrid truck drivetrain center is outside Kalamazoo, announced Wednesday that Coca-Cola Enterprises will purchase 120 new trucks in 2008 powered by Eaton's hybrid electric drivetrain systems. The Coca-Cola order represents the largest North American commercial order to date for Eaton's hybrid systems and follows the beverage company's purchase of 20 trucks with Eaton hybrid power systems in 2007. Extensive testing and evaluations conducted by Coca-Cola Enterprises found that Eaton's hybrid-electric drivetrain equipped trucks decreased emissions by 32 percent and fuel consumption by up to 37 percent. <http://www.wwj.com/Coke-to-Buy-Hybrid-Delivery-Trucks-From-Eaton/1729913>

DOE and USDA to Invest Up to \$18.4 Million in Biomass Projects

DOE and the U.S. Department of Agriculture (USDA) announced on March 4 that they will invest up to \$18.4 million in 31 biomass research, development, and demonstration projects over the next three years. The projects will be run by a variety of universities and private businesses in 16 states and will focus mainly on developing improved crops for biofuel production and on researching cheaper ways to produce biofuels, bioproducts, and energy from a variety of sources. They will explore a diverse range of crops, including sugarcane and guayule, a desert shrub that produces rubber, and will employ some unusual conversion technologies, such as microwaves, liquid salts, and solar thermal energy. Of the \$18,449,089 to be invested, \$13,225,554 will be provided by USDA and \$5,223,535 will be provided by DOE. See the list of all 31 projects in the [DOE press release](#).

Analyst says renewable energy delay could cost state \$300 million

Kicking the energy efficiency and renewable energy issue into 2009 unresolved would cost state ratepayers a combined \$300 million over time while putting another year of distance between Michigan and the nearly 25 states that have already passed legislation on this front, an environmental consultant told Lansing's MIRS news service Friday. Martin Kushler, a former Public Service Commission official hired by environmentalists to help sell the energy issue in the Legislature, said the cost of energy efficiency programs may be three cents on the dollar, but the cost of a new power plant to pay for Michigan's projected increased energy use is as much as 10 cents on the dollar. Without energy efficiency programs and renewable energy guideposts to give utility companies something to shoot for, Michigan will need to import more coal, oil and natural gas to feed the state's growing energy needs, Kushler said.

<http://www.glittr.com/Article.asp?id=553834&spid>

Why Ultracapacitors Will Be Your Hybrid's New Best Friend

Popular Mechanics highlights a breakthrough in automotive energy storage with potential to replace batteries in next generation hybrid electric vehicles. (Is anyone else picturing the "flux-capacitor" that ran the time traveling DeLorean in Back to the Future?)

http://www.popularmechanics.com/automotive/new_cars/4252628.html

Environmental Defense Hybrid Truck Information

Environmental Defense taps Clean Cities as a funding and information resource in its Hybrid Truck Incentive webpage. <http://www.edf.org/page.cfm?tagID=1124>

MSU Studying Toledo Firm's Waste-Based Biofuels

N-Viro International Corp has developed a patented fuel and has entered into the early stages of an agreement with Michigan State University to use this fuel instead of coal at the university's power plant.

<http://www.wwj.com/MSU-Studying-Toledo-Firm-s-Waste-Based-Biofuels/1765451>

Air suffers as vehicles further supplant feet

Chicago Tribune highlights nationwide (especially Midwest) problem of unsafe routes to school forcing heavy use of busing rather than biking or walking to neighborhood schools.

http://www.chicagotribune.com/news/local/transportation/chi-gettingaround_03mar03,1,6875978.column

Legislative News Announcement:

On February 20, 2008, Michigan Governor Granholm signed Public Act 8 of 2008 which revises PA 451, the environmental protection act, to exempt liquid vegetable or animal fat from the definition of "liquid industrial waste". Prior to the passage of this Act, central anaerobic digesters, biodiesel or gasification facilities were subject to the same regulations as other "liquid industrial waste" treatment facilities. The committee summary can be found at

www.legislature.mi.gov. This legislation is a positive step toward encouraging the development of biomass energy activities.

Other Clean Transportation News can be found at:

http://www.eere.energy.gov/cleancities/progs/more_news.php

FUNDING OPPORTUNITIES

E85 Infrastructure Incentive Grant for Stations

Clean Energy Coalition has been awarded a \$110,000 grant from the Energy Office to provide incentives to public service stations and public fleet owners for converting fuel delivery systems to ethanol (E85) fuel. The incentives will cover 50% of the conversion costs up to \$5,000 per site. Projects must be completed and dispensing E85 by September 30, 2008 and station and public fleet owners must commit to purchasing E85 for at least 3 years after receiving the incentive. For more information, contact Sean Reed at 734-717-1455 or reed@cec-mi.org

EVENTS

Michigan Clean Transportation Expo and Awards Show

SAVE THE DATE: September 24, 2008

Rock Financial Showplace, Novi, Michigan

Conference organized by the Ann Arbor Area Clean Cities, Detroit Area Clean Cities (NextEnergy), and Greater Lansing Area Clean Cities

Sponsorship and Exhibition opportunities.....More to Come!

AET Workshop Series: Developing Strategic Business & Customer Partners for AET Ventures

April 16, 2008

NextEnergy Center, Detroit, Michigan

<http://www.nextenergy.org/events/>

Alternative Fuels and Vehicles National Conference and Expo

May 11 – 14, 2008

Las Vegas, NV

<http://www.afvi.org/NationalConference2008/>

2008 Natural Gas Vehicle Conference Summit

October 4 – 5, 2008

San Diego, CA

<http://www.ngvamerica.org/>

RESOURCES

List your company in our new *Michigan Directory of Alternative Energy Technology Suppliers*.

The purpose of the *Directory* is to catalog Michigan companies with interest in and ability to supply developers of Alternative Energy Technologies (AET). We are expanding our supplier match making work in the wind industry to other growing energy markets. The range of equipment and product types in these markets – as well as its growth potential – is huge. The AET sector encompasses wind turbines, biofuels refineries, hybrid electric vehicles, advanced batteries and energy storage devices, photovoltaics, and passive solar heating systems. Clearly, many Michigan companies – whether or not they have prior experience in AET markets—have the know-how and competencies to contribute to the AET value chain.

In order to be listed in the *Michigan Directory of Alternative Energy Suppliers* – and to receive RFQs and invitations to future supplier events – you must fill out this form

completely. Note that you may skip sections that do not apply to your company. Especially critical is an e-mail address, as RFQ alerts and invitations will be distributed via e-mail. If you would prefer to complete this questionnaire online, go to www.nextenergy.org/rfqsurvey.asp and "click here to get on the list!"

Other NextEnergy Tools and Resources

- * **Join Supplier Networks**
<http://nextenergy.org/rfqsurvey.asp>
- * **Fleet Processing Tool**
http://nextenergy.org/industryservices/Fleet_Processing_Tool.asp
- * **Hydrogen Codes & Standard Database**
http://www.nextenergy.org/industryservices/Hydrogen_Resources.asp
- * **RPS Economic Impact Study for Michigan**
http://www.michigan.gov/documents/deq/deq-ess-MichiganRPS-EE-FinalReport_193745_7.pdf
- * **Testing & Validation Services of MicroGrid and Alternative Fuels Platform**
<http://www.nextenergy.org/nextenergycenter/>
- * **Info on Hydraulic Hybrid Technology**
http://www.nextenergy.org/industryservices/Hybrid_Hydraulics.asp