

# THE ALT-FUEL

## Don't Miss Marin's Largest Alternative Vehicle Show Right Here at the Fair.



THE COOLEST and latest alternative fuel vehicles on the road today will be spotlighted in this one-of-a-kind display at the new Alt Fuel Car Expo. Featuring the most comprehensive, technologically advanced exposition of alternative fuel and high MPG vehicles ever held in Marin County, this exciting show is a rare opportunity to see over 25 alter-



SolTrac Electric Tractor

native fuel and high MGP vehicles. You'll see everything from tractors and electric bicycles to mopeds and two and three-wheeled scooters that are powered by a variety of fuel types, including hybrid, electric, compressed natural gas, plug-in hybrid, high MPG gasoline, ethanol and biodiesel. From unique cars built by home engineers to the most advanced technology now in idea stages at car manufacturers worldwide, you'll be able to check out an amazing collection of clean-air, fuel-efficient vehicles available in the marketplace today or concept cars for the future. Eight million alternative fuel vehicles are now on the road in the United States, more than double the number in 2000. Here's your chance to start joining them!

## Alt-Fuel Expo Highlights:

### SolTrac Electric Tractor

Featuring joystick controls, onboard and exchangeable battery packs for continuous operation, non-hydraulic three-point hitch for all Ct. I implements, and a separate motor on each rubber track for zero radius steering, this vineyard crawler by SolTrac eliminates oil dependence and CO<sub>2</sub> emissions. It also has an optional 500 W PV shade canopy and non-hydraulic one-ton, self-leveling loader/forklift. Join Steve Heckerth of Homestead Enterprises for a demonstration and Homestead's design/build services for renewably powered homes.

### Electric 1966 Mustang

Chris Jones, president of the North Bay Electric Auto Association, will showcase his 1966 electric Mustang convertible that he converted to electric in 2006. Now enjoying over two miles per kilowatt-hour, his car is fueled with electricity generated by only 60 square feet of his home solar electric system. Racking up about 2,500 miles each year, Chris travels at freeway speeds and up to 40 miles between charges. He uses lithium iron



phosphate batteries that are safe and light, which enabled him to maintain the original curb weight of the car without needing to modify the classic body. [www.nbeaa.org](http://www.nbeaa.org)



### ZENN Car

Imagine a 100% electric car that you can drive around town and refuel by merely plugging it in to a standard outlet. Meet the ZENN (Zero Emission, No Noise) car, a Neighborhood Electric Vehicle, presented by Green Motors of Berkeley. By law, the ZENN is limited to 25 mph top speed and is legal on streets within 35 mph or lower posted speed limits, with a range of 35 miles. ZENN Motor Company, a Toronto, Canada-based manufacturer of electric cars, is sparking a revolution across America with their electric-powered cars. The zippy two-seater ZENN looks like nothing else on the road with its hip European design.

[www.zenncars.com](http://www.zenncars.com)

### Miles – Car and Truck

Together with ZENN, the Miles vehicles will form the Neighbor Electric Vehicle group for the Expo. Miles is developing a highway-speed car that was delayed slightly due to

# ROAD SHOW



changes in the Federal Air Bag Standards, but should be on sale in California in early 2009. These revolutionary cars have a top speed of 25 mph, range of 40-50 miles, cargo capacity of 41 cubic feet, and capacity for four occupants. The truck has a top speed of 25 mph, range of 50-60 miles, 3000 lbs. GVWR, cargo area of 75" x 54" x 11", and charging time of four to six hours. [www.milesev.com](http://www.milesev.com)

## Bio Ethanol Car

Wine is no longer just for tasting thanks to the Green Energy Network – an innovative community group based in Sonoma County that is currently making bio-ethanol from waste-wine. Since 2004, GEN has been experimenting with production, distribution and driving on alcohol-based fuel. Did you know that any car powered by gasoline might add at least 25% bio-ethanol, while many cars can run well with 50%? Be sure to check out the 2004 Nissan Frontier that the group converted to run on 70% bio-ethanol for only \$300!

## Die Moto Biodiesel Motorcycle

Built to promote biodiesel use, The Crucible, a non-profit educational facility that fosters a collaboration of arts, industry and community based in Oakland, will display their pioneering biodiesel motorcycle. In September 2003, the Die Moto Biodiesel motorcycle shattered the world land speed record by achieving 130 mph. A crew of experts commonly

referred to as the *diesel dozen*, constructed Die Moto from a BMW R 1150 RT, replacing the engine with a high-performance BMW 3 Series. The bike has a hand-built frame, a BMW swing-



arm, custom aluminum fairing, and puts out 163 horsepower and 251 pounds of torque. The engine can run on diesel, B99 biodiesel or straight vegetable oil. [www.thecrucible.org](http://www.thecrucible.org)

## LC Biofuels Truck

Based in Richmond, LC Biofuels, LC is the Bay Area's number one community-based biodiesel fuel provider. Sourcing only premium quality ASTM D 6751 certified biodiesel from a blend of 80% soy bean oil and 20% recycled feedstock, LC addresses the demand for both an environmentally sound product and one that supports American farmers.

## The Vectrix

Offering all the benefits of a traditional gasoline-powered scooter but without the noise, pollution, expensive maintenance, oil changes and expensive trips to the gas station, the Vectrix is the world's first high-performance electric motorcycle. With performance and style as well as a clean, efficient electric motor and superior handling, the Vectrix is engineered to provide an eco-friendly, powerful vehicle alternative. It can achieve a top speed of 62 mph and fast acceleration from 0-50 mph in 6.8 seconds, making it safe and easy to zip in and out

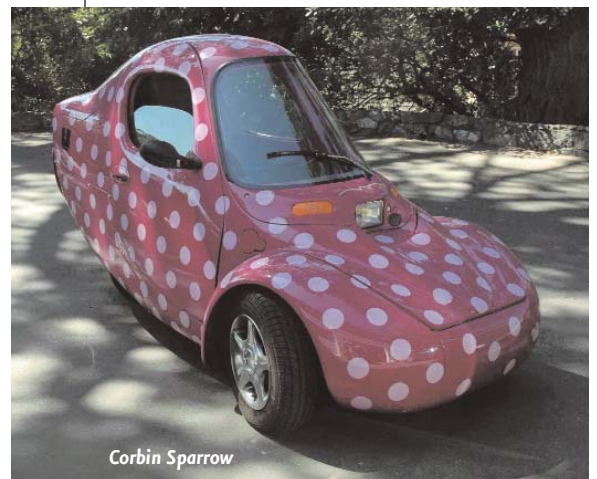


of traffic. The State of California's Air Resources Board is currently offering a \$1,500 rebate to Vectrix purchasers. [www.marinvectrix.com](http://www.marinvectrix.com)

## Corbin Sparrow

Jonathan Frieman has been using his Sparrow electric car in Marin County for the past eight years. This highway capable car gets 30 miles on a charge, can be charged from a regular wall socket, and has a top speed of 60 mph. Its unique paint job prompts women to remark "It's cute" and men to comment "It's cool", but the real coolness is not ever having to go to a gas station. Current models of the car are now called the NMG (No More Gas). [www.myersmotors.com](http://www.myersmotors.com).

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Corbin Sparrow



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## Plug-In Prius

What if your Prius could get 100 mpg? Carolyn Coquillette of Luscious Garage in San Francisco added extra batteries and a charger to her Prius to get an all electric range of 15 miles and boost the overall gas mileage. An overnight charging from a regular wall socket is enough for a local shopping trip without using any gas. The car still has the capability to use the gas engine for longer trips. Carolyn's Plug-in Prius will be on display and she will conduct a workshop to describe how to convert your Prius to a plug-in on Friday, July 4 at 4:30 p.m.

## Pi Mobility Electric Bicycle

See the new Pi electric bicycle (manufactured in Sausalito) which



features proprietary electric belt-drive, in-wheel infinitely variable transmission, on-the-fly seat and handlebar adjustments, and a patent-pending aluminum monocoque that houses battery packs, vital electronics, battery charger, optional GPS tracking and smart-card activation. [www.pimobility.com](http://www.pimobility.com).



**Marin Alt Fuel Car Expo is free with gate admission to the Marin County Fair and will be located outdoors near the Main Gate.**