

Valley of the Sun Clean Cities News

INSIDE THIS ISSUE:

Valley's first BLINK charging stations	1
Air quality update	1
Bye Aerospace Inc.	1
MotorWeek in AZ	2
AZ featured in Business Journal	2
Upcoming Events	2
About us and contact information	3

CLEAN AIR MAKE MORE

By: Holly Ward of
Maricopa Air Quality
Department

Our region of Maricopa County has seen more than 15 alert days when it comes to elevated levels of ozone pollution. When a high pollution advisory or health watch is issued, do you know what to do? Sign up to receive an email or text message from CleanAirMakeMore.com.

Be air aware then take action. Incorporate small, simple pollution prevention actions into your everyday routine.

Arizona's first BLINK charging stations installed

On June 6th, electric car owners celebrated the opening of the first commercial vehicle recharging station in the Valley by charging their vehicle for free near the ASU Tempe Campus.

The Tempe stations are just the beginning of the huge electric vehicle infrastructure rollout effort in order to reduce the use of carbon-based fuels. Fortunately, Arizona was selected as one of the six rollout states for the Blink EV Charging stations. ECOTALITY is installing Blink EV Charging

units after receiving \$230 million in federal grants and private-industry investments. ECOTALITY's target areas for free installation include 18 major cities within 6 major states and the District of Columbia. In all six states, ECOTALITY plans to install the stations at businesses in metro-areas and places with high traffic such as shopping malls. The next projected areas of installation in Arizona include: Desert Botanical Garden, University of Phoenix Stadium, Westgate City

Center, and University of Arizona. You can see or even charge your own vehicle at the two new stations in downtown Tempe at Monti's La Casa Vieja.

For more information on the EV Project and the rollout event earlier this month please [click here](#), or visit <http://www.theevproject.com/>



New clean fuel technology taking flight



VSCCC welcomes our new stakeholder Bye Aerospace Inc. who is adding a new dimension to the meaning of hybrid transportation – a hybrid aircraft. Their technology uses the basic principle of the combination of an electric motor and an internal combustion engine to general and military aviation.

CEO of Bye Energy, George Bye, introduced the [Green Flight Program](#), which is the company's vision of

converting the Cessna Skyhawk 172 to electric power (image to the left). The aircraft is planned to utilize an electric hybrid propulsion system, and the Green Flight Program was launched to support the research and development of this groundbreaking technology.

"The future is great for electric hybrid propulsion in aircraft. Savings to pilot-owners, increased operating efficiencies, reduced ownership and maintenance

costs, environmental benefits and improved safety will forever change the face of General Aviation."
--George E. Bye

The executive vice president of Bye Aerospace Inc. in Arizona has taken interest in Clean Cities and what we have accomplished as an organization. We are very excited to have them on board with us.

For more information on Bye Energy and the Green Flight Program, [click here](#).

MotorWeek visits Arizona

Special thanks to Tucson Clean Cities



TV's longest running automotive series MotorWeek, brought their crew to Southern Arizona in early June to highlight success stories of the Tucson Regional Clean Cities Coalition.

Their search for standout stories brought them to Rio Rico, AZ. Rio Rico and Mexico's Bomberos fire districts are making their own biodiesel from restaurant grease to power their emergency response equipment. This project began as a way to help with

the heightening issues of sanitary sewer overflows at the border, grease flowing into the Santa Cruz River, and grease build up at Landfills. The image to the top left shows grease at the landfill, and the image at the bottom left shows grease at a manhole. ADEQ contacted Tucson Clean Cities to assist in the education efforts of this environmental concern.

Tucson Clean Cities worked with the University of Arizona and the Tecnológico in Mexico, to educate restaurant employees within

the area. The team collected grease on both sides of the Arizona/Mexico border and then distributed the fuel to Rio Rico and the Bomberos fire districts. Fortunately, both entities are still active users of the fuel.

"It is so exciting to see that alternative fuels can be the answer to so many different issues in cities," said Tucson Clean Cities Manager Colleen Crowninshield. The episode will air on June 25, 2011. Valley of the Sun Clean Cities is very proud of our neighboring coalition's success!

Phoenix Business Journal features Arizona's future of Electric cars

The May issue of Business Journal featured a story on Phoenix and Tucson as rollout markets for about 2,000 electric vehicle charging stations. Our own electric technology company ECOTALITY will be installing these units for public use in high-traffic commercial areas as well as in homes of electric car buyers.

Concurrently, the Nissan all-electric LEAF and the Ford all-electric Focus have chosen

Arizona as one of the initial rollout markets for the introduction of these new all-electric vehicles. Also featured in the Business Journal are electric models that will be introduced on the heels of the LEAF and Focus, such as the Chevrolet Volt, an extended mileage plug-in hybrid, the sleek Tesla Model S Sedan, Toyota Prius PHV, and the Smart Fortwo, a mini electric vehicle.

Colleen Crowninshield, Manager of the Tucson Regional Clean Coalition, and Bill Sheaffer, Executive Director of Valley of the Sun Clean Cities Coalition, were quoted for the involvement of Clean American Fuels, as illustrated in the new electric vehicle age.

This article was sponsored by the Phoenix office of Quarles & Brady LLP.

Upcoming events

Please join us for our upcoming stakeholder events! Our next meeting scheduled for June 23rd will showcase a variety of auxiliary equipment designed to reduce fuel consumption and prolong engine lifespan. We will hear from representatives of Auto Safety House, Terex, and Altec, all of which are major contributors to clean fuel

technology advancements. We will also be hearing from the USDA regarding their grant program(s). Our meeting scheduled for July will bring us up to speed on the successes of the Metro Light Rail thus far, and future development plans. To get more information and access to the registration form for both meetings, please [click here](#).

On June 27-30, executive director Bill Sheaffer will attend the Getting Plugged In: Electric Drive Community Readiness Training in Indianapolis, Indiana. At the event, coordinators from all over the country will have the opportunity to learn about new and interesting petroleum-reduction efforts and share success stories from each of their areas.



In next our August newsletter, the American Lung Association will define the health effects of automotive emissions on Arizona's citizens, and particularly on the developing lungs of our children.

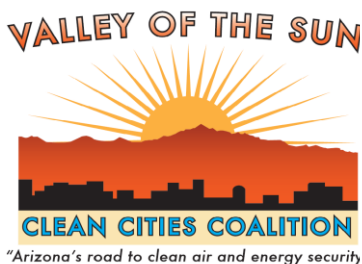
VALLEY OF THE SUN CLEAN CITIES COALITION

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About our organization

The Maricopa Association of Governments joined the Department of Energy's Clean Cities Program in 1997. The Clean Cities Program was created by the federal Energy Policy Act of 1992 (EPACT) to support voluntary efforts by government and business to reduce our country's dependence on foreign oil. There are now over eighty coalitions nationwide.

In July 2001, Maricopa Association of Governments handed over

the Clean Cities operation to a group of independent stakeholders representing local industry and government. This group was re-chartered by DOE under the new name, Valley of the Sun Clean Cities Coalition. This new and improved coalition emerged with an innovative vision and strategic plan for cleaner air and a future less dependent on petroleum. Today, the coalition's stakeholders represent more than sixty

government, utility, and business organizations.

The VSCCC's stakeholders operate nearly 7,000 alternative fuel vehicles and displace some 30 million gallons of petroleum fuel annually with alternative fuels such as natural gas, biodiesel, propane, ethanol, and electricity. According to a 2010 survey, this represents 10% of the annual consumption of alternative transportation fuel in the U.S.

Our mission: We are dedicated to advancing the environmental, energy, and economic security of the Phoenix Metro area, Central and Northern Arizona, by advocating and participating in practices that promote clean domestic energy, and reduce dependence on conventional petroleum-based fuels.

Our scope of activities and services: Municipal, commercial and personal transportation

Our jurisdiction: Maricopa, La Paz, Mohave, Coconino, and Yavapai County

Our focus: To apply our stakeholders' background and skills involving transportation fuel and alternative fueling technologies to reach the public. This includes:

- The use of alternative fuels:
 - Biodiesel
 - Electricity
 - Ethanol
 - Hydrogen
 - Natural Gas
 - Propane
- Reducing fuel consumption:
 - Commercial Idle Reduction
 - School Bus Idle Reduction
 - Electric Powered Light Rail
 - Other fuel saving equipment and accessories
- The development of infrastructure to service the needs of alternative fuel vehicles
- Coordinate programs with other coalitions in the Western Region
- Working with legislatures at all levels, to promote favorable legislation
- Work with government and private agencies with a direct tie with our goals i.e. Maricopa County Air Board, American Lung. AZ Association of Cities & Towns, Valley Forward, ADEQ

Our vision:

- Pristine Air to reach EPA attainment standards and compliment the beauty of our state
- Public, commercial and municipal participation in meeting the EPA goal to have seventy-five percent of our vehicles running on alternative fuels
- Self-sufficient motor fuel sources to eliminate the use of foreign oil

For any suggestions or questions please call us at (480) 884-1623.

For general questions about the Clean Cities program, please visit <http://www1.eere.energy.gov/cleancities/>.