

Valley of the Sun Clean Cities News

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CLEAN AIR MAKE MORE

The Clean Air Make More program recently introduced the Clean Air Champion program. The Clean Air Champion program is dedicated to recognizing people who are making small and large efforts to improve the quality of air in Maricopa County. To read stories of champions or to nominate someone who you think is truly making a difference within our community, visit <http://cleanairmakemore.com/champions.html>.

Clean Cities Stakeholder Summit highlights



Executive Director Bill Sheaffer packed his bags and travelled to Indianapolis, Indiana in July for the 2011 Clean Cities Stakeholder Summit. The conference gave the U.S. Department of Energy, Clean Cities Coordinators, and stakeholders the chance to discuss the short- and long-term opportunities and challenges for the greater

adoption of alternative fuels. Coordinators were urged to bring along one dedicated stakeholder from each of their regions. Together, coordinators and stakeholders made their way through the different "Alley's" which involved speakers from almost all of the clean fuel industries including: Natural Gas, Propane, Ethanol, Idle Reduction, Biodiesel, and Electric Drive. Sheaffer learned much more about the National Clean Fleet Partnership, which

recognizes companies nationally who are committed to converting the majority of their fleet to clean fuel. Last but not least, one of the major highlights was that participants were given the opportunity to take a ride in clean fuel vehicles around the Indy track!

Overall, the Summit was successful in allowing coordinators to learn how to better serve their regions by collaborating with stakeholders from all over the country.

Propane makes a comeback in the Valley



Although propane has come and gone for nearly a century, it is slowly making its way back into the alternative fuel market.

Canyon State Bus Sales announced early July that they sold 50 Blue Bird Buses to Mesa Unified School District. Thirty of the Blue Bird buses were propane powered with the Ford 6.8 liter Engine equipped with the Roush CleanTech Technology fueling system. Mesa Public Schools will soon learn that there are many benefits to switching to propane powered

mass transit. First and foremost, fueling up with propane reduces harmful emissions and air pollution. From the economical standpoint, propane is about a dollar per gallon less than diesel fuel, and school districts who utilize propane receive a fifty cent per gallon tax rebate. If school districts make the switch, they are eligible for a free fueling station at no cost to the district. Blue Bird school buses equipped with Roush CleanTech Technology are said to require lower maintenance and operating costs. In result, these buses are said provide fuel savings of 30 to 40 percent compared

to the cost of diesel.

Some companies caught the propane bug long before Mesa Unified School District. Super Shuttle, a pioneer in Alt-fuel mass transit, recently purchased 60 new LPG powered vans. In addition, Ferrellgas, which is one of the largest propane manufacturers in the U.S., announced this summer their establishment of 8 new card-lock propane fueling stations in the Valley.

We hope that other mass transit providers follow the example of Mesa Unified, Super Shuttle, and Ferrellgas, and make the conversion to a Clean American fuel – such as propane.



It is ozone season. Ozone air pollution is made when nitrogen oxides (NOx) and hydrocarbons come into contact with both heat and sunlight. NOx is emitted from motor vehicles, power plants and other sources of high-heat combustion.

Hydrocarbons are emitted from chemical plants, factories, gas stations, paint, refineries and many other sources. Risks of breathing high levels of ozone include:

- Chest pain, wheezing and coughing
- Asthma attacks
- Increased susceptibility to respiratory infections and pulmonary inflammation

Things you can do to protect your health:

- Pay attention to forecasts for high air pollution days
- Avoid exercising near high-traffic areas
- Avoid exercising outdoors when pollution levels are high

To help reduce ozone you can:

- Mow your lawn after daylight hours
- Refill your gas tank after daylight hours

We welcome newest member Frito Lay

Special thanks to Michael Hayes of Frito Lay

At our July stakeholder meeting, Michael Hayes of Frito Lay discussed the company's dedication to reducing the use of petroleum fuel.

Frito Lay, which is a division of PepsiCo, is the largest snack food producer in the United States, with over \$13 billion in annual sales. The company employs over 48,000 people in North America, and operates over 24,000 vehicles in the U.S. as part of its 'Seed to Shelf' production and Go to Market sales process. Frito Lay fleet transports a majority of its raw materials and supplies into its manufacturing plants, and moves almost 100% of its manufactured products to

the marketplace. The company's goal is to reduce petroleum fuel consumption by 50% in 2020 from \$43.5 million gallons in 2010. Since 2008, the company has deployed 2,360 high MPG Sprinter Delivery Trucks which replaced high-carbon producing trucks and achieved a 30% fuel savings. An additional 300 high MPG Sprinters will be deployed in 2012. This year, they equipped over 14,000 delivery trucks with GPS tracking to reduce idle time and to create more efficient routing. Also this year, they deployed 155 electric trucks and will deploy an additional 100 next year. Surprisingly, trucks that will operate at the

Casa Grande, AZ site will be fully off the grid, and charged 100% by solar power. Later this year they will deploy eight Compressed Natural Gas Tractors in Phoenix and then follow suit in Texas and California. Future goals include identifying locations, including Phoenix to convert existing low MPG gasoline powered delivery trucks to Liquid Propane Gas.

Due to Frito Lay's overwhelming contribution to reducing our country's dependence on petroleum fuel, they have recently been inducted into the National Clean Fleets Partnership. This will allow the company to serve as an example and to set the bar for all major U.S. corporations.

AAA emergency roadside charging fleet

It is commonplace for owners of electric vehicles to experience range anxiety when driving to and from places. It is also apparent that prospective electric vehicle buyers are hesitant of buying due to the limited accessibility to charging stations located around the Valley. AAA may have found a way to ease range anxiety by launching the nation's first mobile EV charging response fleet.

The latest roadside assistance vehicles were unveiled at the Plug-In 2011 Conference & Exposition in North Carolina in mid-July. These mobile electric vehicle charging trucks will provide charging to Level 2 and Level 3 electric vehicles. The motor club announced that AAA will begin the initial pilot deployment in Portland (OR), Seattle, San Francisco, Los Angeles, Knoxville (TN), and the Tampa Bay area later

this summer. Due to growing interest in the fleet, plans are to expand the program to more areas a couple months after the initial deployment. We will keep you updated on news regarding AAA EV emergency response vehicles coming to Phoenix!



For more details, [click here](#).

Upcoming events

Although it is ozone season, many things are happening in the Valley. Phoenix Green Chamber of Commerce is hosting the Phoenix Mayoral Candidates Forum on Creating a Sustainable Economy on August 3rd at Burton Barr Central Library. Moderator will be Kris Mayes, Former Chair of the Arizona Corporation Commission. Admission is

free, [click here](#) to register because seating is limited.

VSCCC will be hosting an electric vehicle stakeholder event for Arizona SmartPower September 7th at ASU SkySong. Arizona SmartPower is 501(c)3 non-profit dedicated to helping Arizonans make smart energy choices. We are looking forward to learning more about this organization and

how we may be able to help in their efforts with the [Electric Vehicle Stakeholder Project](#).

ECOtality will be installing two EV charging stations as part of the EV Project in Rancho Sahuarita on August 13th. Contact Tucson Clean Cities Coalition for more information on this exciting event!

VALLEY OF THE SUN CLEAN CITIES COALITION

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VALLEY OF THE SUN



CLEAN CITIES COALITION

"Arizona's road to clean air and energy security"



We operate daily out of SkySong-ASU Scottsdale Innovation Center. All stakeholder events (unless otherwise noted) are held at the SkySong campus which offers beautiful meeting rooms and an abundance of IT support.

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 Central and Northern Arizona, by advocating and participating in practices that promote clean domestic energy in order to 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/>.