

Pittsburgh Region Clean Cities Gazette

Driving the way toward energy independence

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Dr. Donna Imhoff of CCAC welcomes NGV Day attendees (left); Waste Management trash hauler on display at NGV Day (above)

PRCC NGV Day 2012

On September 21st Pittsburgh Region Clean Cities and Zoresco held Pittsburgh NGV Day at the Community College of Allegheny County, West Hills Center. "This was the first NGV Day held in Pittsburgh, and we hope to have one each year," stated Rick Price, Executive Director of PRCC.

NGV Day is an event that has been held at a number of cities in Ohio, Pennsylvania, and West Virginia. Zoresco, which partners with numerous organizations to hold Natural Gas Vehicle Days, pro-

vides the opportunity to witness firsthand the benefits of compressed natural gas vehicles. A leader in natural gas vehicle conversions, Zoresco Equipment Company joins other major companies and industry leaders to educate participants about vehicle conversions, fuel providers, and fueling stations. Ride-n-Drives allow everyone a chance to experience the smooth, quiet ride of a vehicle running on clean, domestic natural gas. (continued next page)

PRCC NGV Day 2012 (cont.)

This year's event had over 230 folks attend. It included presentations on funding opportunities and vehicles available for CNG.

Guest speakers like Tim Nedley, UPMC, Pat DeSimone, Waste Management, Mike Lickert, Giant Eagle, and Buzz Table, Zoresco talked about their experiences in use CNG as a transportation fuel.

The event had panels such as the Conversion Panel that included Tim Hooker, FYDA Energy Solutions, Buzz Tabone, Zoresco, Barry Carr, BAF, and Darinus Teslovich, CNG One Source. The Fuel Provider Panel included Frank King, EQT, Mac Godfrey, Columbia Gas, and Dr. Lutitia Clipper, Peoples Gas. The Station Builder/Provider Panel included Travis Buggy, Kinetic Clean Energy, Mary Dunn Roach

and Associates, Bob Beatty, Oring Fuel Systems, and Paul Gianakas, EcoFriendly. Each panel

member was asked three questions that were to be answered by each member.

The keynote speaker was Jeff Bristow from PA DEP who talked about the Act 13 NGV Grant Program. He spoke about the specifics of the program and what they expect to see in the grant submissions that will be coming out for proposals sometime in December.

There were also almost twenty vendors and over 13 CNG vehicles that were on display and available for Ride-n-Drives. Photographs of the event can be seen on the PRCC website or Facebook page.



Zoresco CNG Truck



Peoples Gas CNG Honda Civic

Free Alternative Fuel Workshop Series

Pittsburgh Region Clean Cities (PRCC) will be conducting a series of free workshops about alternative fuels. The program was developed by the National Alternative Fuels Training Consortium (NAFTC) under a grant from the United States Department of Energy, Clean Cities Program. The Petroleum Reduction Technologies Workshops will educate the advantages and benefits of using alternative fuels and advanced technology vehicles. Workshops will be on Natural Gas, Propane and EV/PHEV/Hybrids. To learn more about and register for these free workshops go to www.pgh-cleancities.org

Member Spotlight: Lutitia Clipper

This month's PRCC featured member is Dr. Lutitia Clipper. Dr Clipper is a Senior New Construction Specialist with Peoples Natural Gas Company. "She has been involved for many years in the alternative fuels natural gas industry," states Mac Godfrey from Columbia Gas. "All I know is Lutitia is the most energetic person I know when it comes to CNG as a transportation fuel."

"I have been in many meetings with her, and she always volunteers to participate in events and has a great deal of knowledge about CNG/LNG," states Rick Price, Executive Director of Pittsburgh



Region Clean Cities. "We have talked with high school students about the benefits of alternative fuels, participated on panels, and been guest speakers, working together to help get the word out. She even drives a CNG Honda Civic that has been wrapped with the Peoples Natural Gas logo!"

Dr Clipper has a BS in Engineering, an MS in Organizational Leadership from Geneva College, and PhD in Higher Education Administration and Policy Studies, Social and Comparative Analysis in Education, from the University of Pittsburgh.

Bayer Installs EV Charging Stations

Bayer Material Sciences has installed a second Level II EV Charging station at its Robinson Township location. The first station located at the Bayer Bldg 14 site was installed about a year ago. The new station is located at Bldg 1 where most visitors sign in when visiting the Bayer site.

Both of these stations were funded through Pittsburgh Region Clean Cities PA DEP Alternative Fuel Incentive Grants. These chargers are available to over 1200 employees and over 100 visitors and vendors at the Bayer location.



Chevy Volt at New Bayer Charging Station

New NGV Station in Duncansville, PA

AR Natural Gas Fueling Systems of Altoona announced plans on December 11, 2012, to install a compressed natural gas filling station on property owned by Imler's Poultry along Route 764. Aaron Richey a partner in the company has been working on the project for almost two years. The station is close to the Route 22 and I-99 intersection near Altoona, PA. This will be a great location as it will help create a corridor going both east and west and north and south in that part of the state.

"Aaron and his partners have attended a number of Pittsburgh Region Clean Cities (PRCC) events to help make the connections with others interested in alternative fuels as well as gain information to better understand what is needed to move this market forward," stated Rick Price, Executive Director of PRCC. The plan is to have the station open in the first quarter of 2013.

"Aaron is very persistent in making sure we hear what he is saying about the use of natural gas and other alternative fuels that are important to our state and nation on energy security," stated one of the speakers at the event where the new station was announced.

The event included a Dual Fuel Class 8 Tractor that was up-fitted with a kit from Eco Dual that attendees could drive, as well as vehicles from Stuckey Ford (Bi-fuel Westport Pickup) and a CNG Honda Civic from Peoples Natural Gas. To read more go to: <http://www.altoonamirror.com/page/content.detail/id/566782/Fill--er-up-naturally.html?nav=725>



State Senator John Eichelberger



Doug Thomson EcoDual Explains the Operation of Kit

CNG Fuel System Inspection Course

The Community College of Allegheny County is offering a 1-credit CNG Fuel System Inspector Course. It is designed to prepare the student to sit for the CNG Fuel System Inspector Exam. This course will educate and prepare students in the proper inspection of compressed natural gas vehicle fuel system components.

Classes will be offered this spring. Please contact Bob Koch at 412-788-7378 for more information.

Peoples Leads the Way for NGV

Natural Gas Vehicles use a proven technology that has been around for a long time. In fact, Peoples Natural Gas has been involved with NGV's since 1980. During the 1980's, Peoples installed a number of natural gas filling stations at office locations throughout its 16 county Western Pennsylvania service territory. Although the natural gas vehicle market waned over the last two decades, Peoples Natural Gas chose to maintain their network of refueling stations.

Now, the combination of technological advances, abundant gas supply and of course, cost, has made natural gas vehicles a strong option for both fleet operators and personal owners. One of the major challenges faced by those who wish to be early adopters of today's NGVs is the limited number of available refueling stations.

Peoples Natural Gas and its sister company, Peoples TWP, (formerly T.W. Phillips Gas and Oil Co.)



headquartered in Butler, PA, operate nine private refueling stations. Although Peoples' network of refueling stations are operated for the company's private use, on a number of occasions they have been opened to customers for pilot projects. These pilot projects allow customers to determine if natural gas is a viable

alternative for their fleet needs. Projects have been conducted in Johnstown, Altoona and Greensburg. The scope of these projects varies based on the needs of the customer, but they all have the same goal –

to help customers decide if NGVs are for them.

Are you considering the viability of NGV's for your fleet? Whether for rail, road or river contact Dr. Lutitia Clipper at Lutitia.A.Clipper@peoples-gas.com for information on how Peoples can help.

PRCC Teams with Penn State EcoCar2

The Penn State EcoCar2 team and the Pittsburgh Region Clean Cities teamed to hold an Odyssey Day Event in State College. The event was held on the National Odyssey Day October 18th. The event included a number of alternative fueled vehicles from EcoCar past competitions as well as vehicles being used on the Penn State Campus at State College, PA. Executive Director Rick Price brought a 2012 Chevy Volt for display, and Dr. Lutitia Clipper brought her Peoples Gas CNG Honda Civic. Both Dr. Clipper and Rick Price talked about the importance of using alternative fuels that will not only help the environment but will help in making sure we have energy security in the future.

Vehicles were made available for Ride-N-Drives. To learn more about the EcoCar2 Program go to <http://www.hev.psu.edu/>



Penn State EcoCar2 Malibu

Motor Week Comes To Pittsburgh

Motor Week was in Pittsburgh on October 2nd to film an episode about Air Star Transportation Group. They came at the request of Pittsburgh Region Clean Cities Executive Director Rick Price.

MotorWeek is television's longest running and among the most respected automotive series. MotorWeek debuted in 1981 and launched a new television genre by becoming the first weekly series to offer consumer-oriented car and truck reviews, do-it-yourself car care tips, and the latest auto industry news. Produced by Maryland Public Television, MotorWeek airs on 92% of PBS stations nationwide, and is the winner of dozens of prestigious automotive journalism awards.

Motor Week has a contract with the Department of Energy Clean Cities Program to film a number of episodes on alternative fuels across the country. "I really wanted to get Pittsburgh on national TV to show some of the good things we are doing here, especially with propane and natural gas," said Rick.

"I'm really impressed by Air Star Transportation taking the lead in using alternative fuels in many of their fleets. CEO Bob DeLucia has been

on board with this for a few years now and is starting to see the economical and environmental benefits. Not only has he launched his natural gas powered Veterans Taxi program here in Pittsburgh, but he plans to expand his owner-operator program to other cities as well."

"It's really amazing to see 17 Veterans Taxis (10 VPG MV-1 wheel chair accessible vehicles) driving in the city using

only natural gas. Bob also has the majority of his Access Vans under Star Transportation running on propane. He is the only Access provider using alternative fuels in Allegheny County, and he should be recognized for it," states Price.

The Motor Week episode on Veterans Taxi can be seen at this link: http://www.motorweek.org/features/green_motoring/clean_cities_star_transportation



Motor Week Filming at Air Star Transportation

PRCC Recognized by Dept. of Energy

At the 2012 Clean Cities Peer Exchange and Vehicle Technology Deployment Workshop, the U.S. Department of Energy recognized noteworthy Clean Cities coordinator activities and innovative approaches to encourage the adoption of alternative fuels.

The Pittsburgh Clean Cities coalition was recognized at this event for noteworthy coalition activities, specifically taking advantage of available



Dennis Smith, DOE Clean Cities Director, and Linda Bluestein, Co Director, present PRCC

state funding sources. The U.S. Department of Energy commended the Pittsburgh Clean Cities coalition on this accomplishment and encourages the organization to continue to work to achieve the Clean Cities goal of reducing petroleum consumption in the transportation sector. PRCC was also recognized for having the biggest percentage increase in the country in reported use of CNG (90%) from 2011 to 2012.

PRCC Question of the Month

Which states have adopted the California Air Resources Board (CARB) aftermarket conversion certification requirements?

Answer: In the United States, all aftermarket conversion systems (except pure battery electric vehicles) must meet current applicable U.S. Environmental Protection Agency (EPA) standards. EPA instituted these standards to assure that a vehicle's tailpipe emissions do not increase as a result of the conversion. For more information on EPA standards for vehicle and engine conversions, please refer to the EPA Alternative Fuel Conversion website (<http://epa.gov/otaq/consumer/fuels/altfuels/altfuels.htm>).

CARB has set its own standards for alternative fuel conversion systems, which are more stringent than those of EPA. Manufacturers that wish to sell aftermarket conversion systems for use in California must meet CARB standards and obtain approval from CARB. While EPA accepts all CARB certifications to meet their standards, EPA certificates of conformity and tampering exemptions are not required by CARB and cannot take the place of CARB certification.

In addition to impacting the sale and use of aftermarket conversion systems in California, the CARB conversion standards also impact some of the 13 other states that have adopted CARB's overall motor vehicle emissions regulations. The table below shows the states that have adopted CARB's vehicle emissions standards in whole or in part. It also indicates whether each state enforces EPA or CARB aftermarket conversion standards.

State	Conversion Standards Enforced
California	CARB
Connecticut	EPA
District of Columbia	EPA
Maine	EPA
Maryland	CARB
Massachusetts	EPA
New Jersey	CARB (but also accepts EPA)

State	Conversion Standards Enforced
New Mexico	EPA
New York	CARB
Oregon	EPA
Pennsylvania	CARB (but also accepts EPA)
Rhode Island	EPA
Vermont	EPA
Washington	EPA

For more information about CARB aftermarket conversion certification, please refer to the following resources:

- CARB Alternative Fuel Retrofit Systems Program: <http://www.arb.ca.gov/msprog/aftermkt/altfuel/altfuel.htm>
 - This website links to a list of certified alternative fuel retrofit systems.
- CARB Aftermarket Parts Database of Executive Orders: <http://www.arb.ca.gov/msprog/aftermkt/devices/amquery.php>
 - This database includes information about conversion systems that have been granted exemptions to emissions control system-anti-tampering regulations by CARB.

Also refer to the following resource for information about the requirements in Pennsylvania that enforce CARB conversion standards:

- Pennsylvania Department of Environmental Protection, Bureau of Air Quality Policy on Clean Alternative Fuel Conversion Systems (<http://files.dep.state.pa.us/AboutDEP/AboutDEPPortalFiles/RemarksAndTestimonies/NaturalGasVehicleConversionSystems/PCVConversionPolicyFinal.pdf>)

SWPA Charging Stations

PRCC and our partners throughout Western Pennsylvania are working hard to construct electric vehicle infrastructure throughout the region. Below is a list of actual and proposed charging stations throughout the region. All of the Phase I charging stations have been completed and work is progressing on Phase II stations. Phase II stations have been identified by an asterisk (*).

Organization	Location	Stations
Adam Solar Resources (ASR)*	1912 Mayview Rd Bridgeville, PA 15017	1
	Biber's Garage 1250 McKee Rd Oakdale, PA 15071	1
Bayer Material Science*	Bayer Eco-Commercial Conference Building 100 Bayer Road Pittsburgh, PA 15205	1
Cardello Electric Supply & Lighting	401 North Point Dr. Pittsburgh, PA 15233	2
	20560 Route 19 Cranberry Twp, PA 16066	2
	125 Seco Rd Monroeville, PA 15146	1
Carnegie Museums of Pittsburgh*	4400 Forbes Ave Pittsburgh, PA 15213	
	One Allegheny Ave Pittsburgh, PA 15212	2
Classy Cab Company, Inc.	700 East Carson St Pittsburgh, PA	2
CONSOL Energy, Inc.	1000 CONSOL Energy Dr. Canonsburg, PA 15317	1
Eaton Corporation*	130 Commonwealth Dr. Warrendale, PA 15086	2
	1000 Cherrington Parkway Corapolis, PA 15108	2
Enterprise Rent-A-Car	4489 Campbells Run Road Pittsburgh, PA 15205	2
FedEx Ground	1000 FedEx Drive Moon Township, PA 15108	2
Phipps Conservatory & Botanical Garden*	One Schenley Drive Pittsburgh, PA 15213	2
Pittsburgh Zoo & PPG Aquarium	One Wild Place Pittsburgh, PA 15206	1
Sports & Exhibition Authority*	199 10th St Pittsburgh, PA 15222	2
University of Pittsburgh	Soldiers and Sailors Garage 4141 Fifth Ave. Pittsburgh, PA 15213	6
	O'Hara Parking Garage 3955 O'Hara St. Pittsburgh, PA 15213	2
UPMC East*	2775 Mossdale Blvd. Monroeville, PA 15146	2
UPMC Magee	300 Halket St Pittsburgh, PA 15213	1

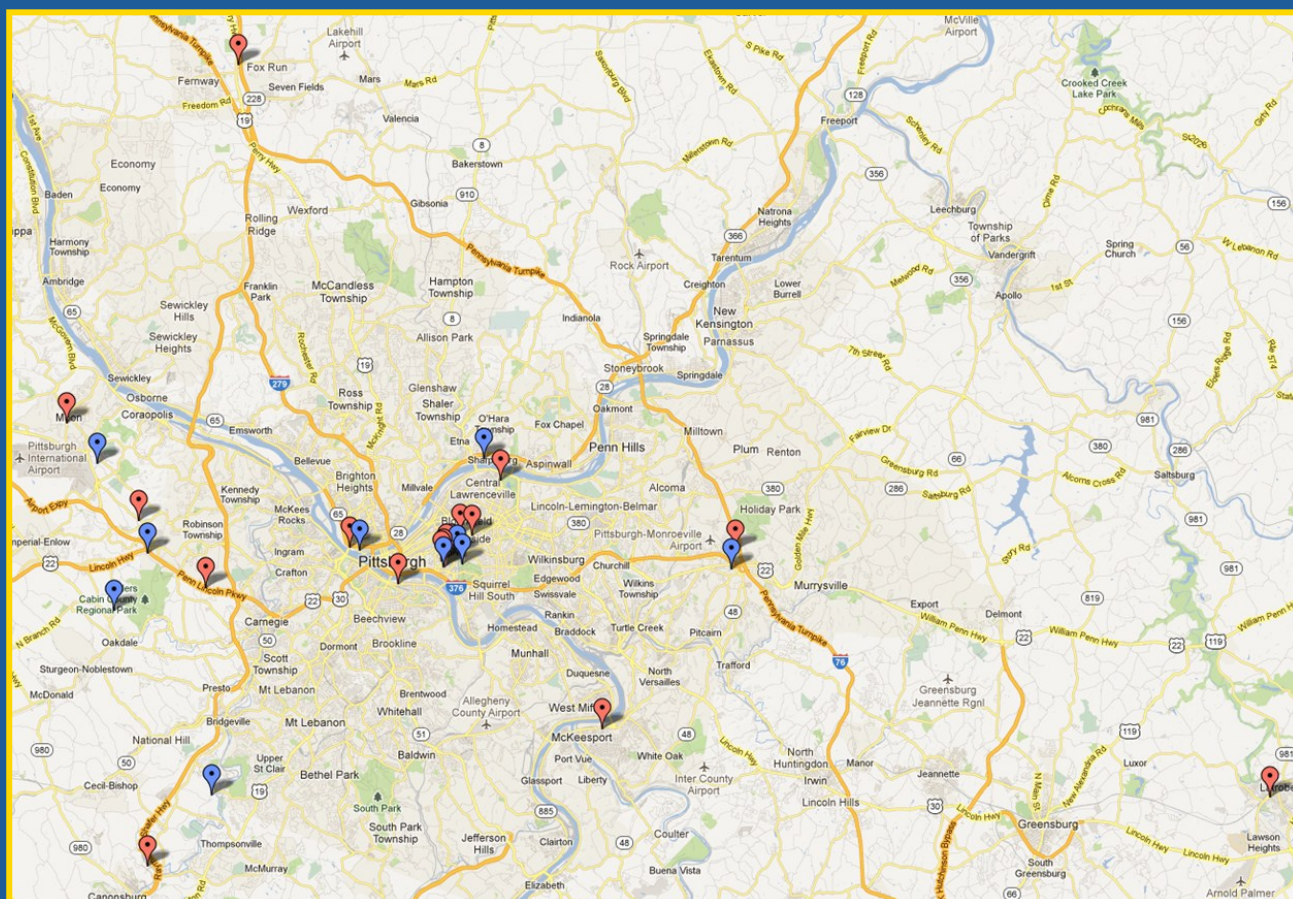
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Organization	Location	Stations
UPMC McKeesport	1500 Fifth Ave McKeesport, PA 15132	1
UPMC Monroeville	3459 Fifth Ave Pittsburgh, PA	2
UPMC Presbyterian	200 Lothrop St Pittsburgh, PA 15213	2
UPMC Shadyside	5230 Centre Ave Pittsburgh, PA 15222	3
West Hills Nissan	7900 University Blvd Moon Township, PA 15108	4
Baum Blvd. Automotive	4741 Baum Blvd Pittsburgh, PA 15213	1
City of Latrobe	Weldon and Spring Street Garage	1

The map below shows Phase I and II charging stations.

- Phase I charging stations are indicated by a red marker
- Phase II charging stations are indicated by a blue marker



PRCC Sustaining Members



Membership

Pittsburgh Region Clean Cities is always looking for new members! Our job is to help you understand the value and importance of converting to alternative fuels. We can tell you about the incentives available to you for using alternative fuels. We can help guide you through making smart financial and environmental choices about purchasing an alternative fueled vehicle or using an alternative fuel. Become a member, and we can help you assess your fleet and objectives, as well as work with you to acquire funding assistance. If you would like to join and/or volunteer, please contact Rick Price at coordinator@pgh-cleancities.org

Contribute Your News!

We want to showcase your news and successes, and we welcome ideas for articles. Please feel free to contact Rick Price, Executive Director/Coordinator, at 412-735-4114 or at coordinator@pgh-cleancities.org



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