## Pittsburgh Region Clean Cities Gazette

"Driving the way toward energy independence" Volume 03 Issue 04 July 2013



#### **New CNG Stations Open**

Two new natural gas stations opened May 10th and 15th in the region. The Palo CNG station located on Route 66 in Clarion, PA, just a few hundred yards off Interstate 80 opened on May 10th, and the Oring Fueling station in Brookville, PA, on Route 36 just off Interstate 80 opened May 15th. "A special feature of these stations is that they are not only CNG stations - they also have propane pumps for motor vehicles as well as diesel and gasoline," states PRCC Executive Director Rick Price.

"In addition, the Oring station in Brookville has a classroom where we can hold alternative fuel workshops in the near future," said Bob Beatty of Oring.

"There are stations going up all over Pennsylvania. The American Natural station, under construction on the Southside near Station Square, is scheduled to be completed near the end of June. The Giant Eagle Get Go Station on Route 228 in Cranberry, PA, just off Interstate 79 is also scheduled to be completed this summer," said Rick Price.

In additional there is another station being built at the Heath Oil location on Route 8 just off Interstate 80 in Berkeyville, PA. Giant Eagle is also planning one in Waynesburg, PA, and American Natural has others that they plan on installing in the near future.

"As the demand for more stations continues, there will be more and more natural gas vehicles on the road looking to refuel at all the these locations," states Rick Price.

#### **EV/PHEV Technologies Workshop**

On June 21, 2013, PRCC held its first EV/PHEV Petroleum Reduction Workshop at the Community College of Allegheny County West Hills Center. Attendees were given fact sheets on EV/PHEV, Awareness, and Fleets. Executive Director Rick Price presented slides on Electric Drives, Electric Drive Vehicles, Electric Manufacturing, Infrastructure, and Sustainability.

Christy Cunningham of Eaton Corporation talked about their charging units and even brought a demo EV charger along with Eaton's PHEV Chevy Volt. Erika Weagley of Ford Corporation talked about the EV and PHEV vehicles that Ford has on the market and brought a PHEV Ford Fusion. Trev Hall of the U. S. Department of Energy, National Energy Technology Laboratory, brought a PHEV Ford CMAX.

Attendees were treated to lunch provided by PRCC and Giant Eagle.



Picture caption



Picture caption

### **Vogel Switching Fleet to Natural Gas**

Vogel Disposal Service, Inc. one of the largest independent providers of waste collection and disposal services in Western Pennsylvania with over 300

vehicles, is converting its fleet to clean-burning natural gas. This move comes amid



the influx of natural gas being available due to Marcellus Shale drilling which has resulted in historically low gas prices. The switch was a natural fit for Vogel because they already capture and clean their landfill gas which is then put back into the utility pipeline. They complete the cycle of clean energy since they contribute to the pipeline gas

used to fuel their own vehicles resulting in cost savings and reducing their carbon footprint. Dr. Lutitia Clipper, Peoples Manager, Natural Gas Vehicles Business Development, worked with Vogel Disposal Services to provide expert guidance throughout the process. She worked with Michael Denny and the Engineering Team at Peoples TWP to ensure that all necessary natural gas system infrastructure needs were met



to make this transition a success. For more information on the benefits Natural Gas Vehicles

can provide for your fleet, contact Dr. Lutitia Clipper at <u>lutitia a clipper@peoples-gas.com</u>.

#### **ROUSH Unveils New Vehicle Platforms**

ROUSH CleanTech recently unveiled a handful of new propane autogas vehicle platforms at the NTEA Work Truck Show for Ford F-59, F-53 and E-450 stripped chassis, and the Ford F-450 and F-550 chassis cab. These vehicle applications fill growing

market demand for a less expensive, clean-burning and domestic alternative fuel option.

Customizable to carry up to 33 passengers as a shuttle, municipalities, airports and transportation companies can all benefit from the lower emissions and operating costs offered by the new ROUSH CleanTech pro-

pane autogas powered Ford F-450 and F-550, including those with alternative fuel directives. This vehicle also suits the delivery, construction, transit and utility markets.

The ROUSH CleanTech propane autogas powered Ford F-59 commercial step van chassis and the Ford E-450 stripped chassis adapt to numerous fleet delivery applications, such as bakery, textile, multi-stop package delivery service, linen and medical services. The Ford F-53 platform provides a flexible commercial platform for trolleys, lunch trucks and more. These vehicles offer companies a cleaner and less expensive alternative to gasoline.

The ROUSH CleanTech propane autogas fuel system for Ford F-550, F-59 and F-53 models offer a propane autogas fuel tank with more than 65-usable gallon capacity. The systems are available for order through Green Alternative

Systems (GAS), a Ford QVM installation partner.

The propane autogas fuel system for Ford E-450 stripped chassis comes equipped with a 41-usable gallon propane autogas fuel tank, and is available for order directly from ROUSH CleanTech.



ROUSH CleanTech Propane Autogas Ford F-59

The fuel systems fulfill certification requirements in all 50 states by the California Air Resources Board and Environmental Protection Agency. They also meet all FMVSS, NHTSA and NFPA-58 guidelines for safety while delivering equivalent horsepower, torque and towing capacity. When compared to their diesel counterparts, they eliminate particulate matter by virtually 100 percent and emit significantly less smog-producing hydrocarbons and other emissions. And with more than 90 percent of U.S. propane supplies produced domestically, operating on this clean-burning alternative helps guide the nation toward increased energy security.

### Modern Transportation's NGV Fleet

Modern Transportation, an industry leader in bulk logistics solutions, announced today the successful deployment of freight service to the Owens Corning Roofing Plant in Savannah, GA using trucks powered solely by 12-liter natural gas-fueled engines. The high volume, dedicated service established between Sanford, NC and Savannah, GA on April 18th, 2013, is the first ever built around com-

mercial-order, production-built engines (Cummins Westport ISX12 G) fueled exclusively with liquefied natural gas (LNG).

"We're absolutely thrilled to operate the first production transportation service powered by 12liter natural gas engines," said

Patrick Cozzens, president of Modern Transportation. "Along with our partners who made this happen and Owens Corning who 'drove' the idea, we're committed to delivering high quality logistics solutions in the safest, greenest and most sustainable fashion. As a participant in the natural gas produc-

tion industry, we're also delighted and honored to utilize America's own shale gas reserves to power our fleet."

This breakthrough in truck fuel technology and power was given

strong impetus by Owens Corning through their strategic focus on transitioning their supply chain into natural gas-fueled solutions as rapidly as possible. A Fortune 500° manufacturer and market innovator in glass-fiber technology, Owens Corning operates one of the nations' largest supply chain infrastructures. OC's Chief Sustainability Officer, Frank O'Brien-Bernini, took note of this milestone: "As we strive to improve the total life cycle environmental impact of our products, we have chal-

lenged our supply chain/logistics partners to join us in dramatically reducing the greenhouse gas emissions of our inbound raw materials and outbound finished products. Modern Transportation has proactively embraced this challenge, solving problems and presenting viable conversion opportunities. We applaud their initiative in contributing to our diesel-to-natural gas con-

version strategy."

Modern Transportation has closely monitored the NGpowered truck sector and had opted to defer on freight opportunities tied to natural gas powering until the output from prior generation 9-liter engines was

improved upon. Patrick Cozzens elaborated "The horsepower required to move the freight loads common to heavy bulk trucking – particularly for the high volume, mission-critical manufacturers who demand safe, reliable and responsive service – made the 12-liter motor a ne-

cessity. As the NG fuel supply infrastructure matures, we believe this generation of NG-fueled engines will transform the face of trucking."

The power plant making this service possible is the Cummins Westport ISX12 G installed in Freightliner Cascadia day cabs. Old Dominion Truck Leasing actively pursed ownership of these first production units and leases them directly to Modern Transportation. The fleet will fuel at Clean Energy's Latta, SC station and will complete each 600-mile round-trip on a single fueling.



TRANSPORTATION

# PRCC Holds CNG Petroleum Reduction Workshop at Westmoreland County Conservation District

Pittsburgh Region Clean Cities (PRCC) held a Petroleum Reduction Technologies (PRT) Workshop on June 20,2013 in Westmoreland County. The workshop was held to help fleets in the area get a better understanding of which CNG and Propane vehicles are available and where funding

opportunities can be found. Attendees were treated to coffee and donuts as well as lunch provided by Export Fuels. Export is exploring the possibility of installing a station just down the street from the Conservation District's Office.

The speakers included Rick Price, Executive Director of PRCC, Mike Lickert, Giant Eagle, Tim Hooker, FYDA Energy Solutions, Maggie Hall, PA DEP,

Lee Herbermann, Export Fuels and Bob Beatty, ORing Fueling Systems. The attendees had a chance to see a number a CNG and Propane vehicles, ask questions about grants, vehicles, and stations as well as obtain other information about alternative fueled vehicles.



Progas Bi-Fuel Propane Van



**CNG Vehicles** 



Attendees Looking at Alt Fueled Vehicles

## PA DEP Bring Your Kids to Work Event

The Pennsylvania Department of Environmental Protection Southwest Region recently held a Bring Your Kids to Work Event at their Washington Landing location. This year the employees and kids had a special treat - Giant Eagle and its Fleet Manager Mike Lickert brought the first ever Volvo Compressed Natural Gas 12L Class 8 Tractor to come off the Volvo Assembly Line. Attendees were allowed to sit in the vehicle while Mike explained how the vehicle operates and the cost and environmental savings Giant Eagle has realized since moving to CNG as a transportation fuel.



Mike Lickert, Giant Eagle, Explains CNG Truck Operation

#### **Marcellus Works News Conference**

House Majority Whip Stan Saylor (R-York) and members of the House Republican Caucus recently

unveiled a package of legislation called "Marcellus Works," designed to secure Pennsylvania's energy future and create thousands of new jobs by fostering the transition to natural gas as a primary fuel for consumer and commercial vehicles – a fuel that is plentiful in Pennsylvania's large Marcellus Shale formation.

Rep. Seth Grove said the sooner we get more clean-fuel vehicles on our roads, the better it will be for our economy, and our environment. "The Marcellus Works legislative package will allow the Commonwealth to capitalize on a plentiful, affordable and more environmentally friendly source of energy at a time when we are still working our way out of a recession," Grove said. "The end goal of this legislation is to empower the private sector to create more jobs and to reduce our depend-

ence on foreign energy, and I applaud Majority Whip Stan Saylor for his leadership on this is-

d sue. My House Bill 309 would help to put more ently natural gas vehicles on the road, which have proven to be more energy effi-

proven to be more energy efficient while putting out less harmful emissions."

Rick Price, Executive Director of Pittsburgh Region Clean Cities, attended the Marcellus Works News conference that was held in front of the capitol building in Harrisburg. Rick drove to Harrisburg with Dr. Lutitia Clipper of Peoples Gas. They joined with stakeholders from all over the state to show support for the nine House Bills (HB 301-HB309) introduced on natural gas.

Philadelphia Clean Cities Director Tony Bandiero spoke on behalf of the Clean Cities Programs about the success that the program has had with natural gas and the support we provide to interested parties across the state. PRCC Member Karen Teslovich (CNG One Source)

spoke about what their company is doing and how they are bringing jobs to Pennsylvania.



Will Freeman of Chesapeake Energy



Bob Beatty, ORing, speaks with Rep. Jim Marshall (R- Beaver)

## PRCC CNG Event at Altoona Ballpark

Pittsburgh Region Clean Cities, Peoples Natural Gas, PA Department of Environmental Protection,

and AR Natural Gas Fueling System held a combined Pennsylvania Alternative Fuel Incentive Grant and Act 13 Informational Meeting and Petroleum Reduction Technologies – Natural Gas Workshop on June 28, 2013 at the Peoples Natural Gas Field, home of the Pirates AA Affiliate Altoona Curve.

Attendees were welcomed by Rob Eagan, General Manager of the Altoona Curve. Speakers in-

cluded Dr. Lutitia Clipper of Peoples Gas, Aaron Richey from AR Natural Gas Fueling Systems, Maggie Hall and Mark Hand, both from PA Department of Environmental Protection, Rick Price of PRCC and Hugh Mose of Centre Area Transit

Authority (CATA)

The over 38 attendees were treated to a continental breakfast provide by AR CNF Refueling Systems, and lunch was provided by PRCC. There were vehicles provided by CATA, Amtran who brought alternative fueled buses, Stuckey Ford (bi-fuel CNG Pickup), ORing Fueling Systems (Bi-Fuel Pickup), and CNG Honda CiviC (Peoples Gas). The workshop ended with

a panel of experts taking questions from the attendees.



Rob Eagan General manager Altoona Curve

### PSU EcoCar2 & PRCC Team Up

The Penn State EcoCar2 Program and PRCC Members Eaton and Peoples visit campuses to help promote alternative fuels and technologies as well as the EcoCar2 Program. The first visit this year was to the Penn State Shenango Campus where Penn State's Taylor Kidd, Communications Manager, worked with Eaton and the visitors to educate them about their EcoCar program and how Eaton (PRCC Representative) is working to help support the use of alternative technologies.

The second visit was to the Beaver Campus where PRCC Representatives Dr Lutitia Clipper of Peoples and Dan Carnovale of Eaton showed off their alternative fueled vehicles. This is the second year that the team has visited these two campuses.



Eaton's Volt Charging at Penn State Shenango Campus

#### PRCC Question of the Month

What are the requirements for state and alternative fuel provider fleets under the Energy Policy Act of 1992 (EPAct 1992) and subsequent regulations and directives?

**Answer:** EPAct 1992 mandates that certain state government and alternative fuel provider fleets in the United States acquire specified percentages of alternative fuel vehicles (AFVs) on an annual basis as they add light-duty vehicles (LDVs) to their fleets. Below we have described a number of means beyond simply acquiring AFVs by which these fleets may achieve compliance. The U.S. Department of Energy (DOE) is responsible for overseeing compliance with these requirements, which were promulgated and published at 10 CFR Part 490 as the Alternative Fuel Transportation Program.

#### **Alternative Fuel Provider Fleets**

A covered alternative fuel provider is any entity that meets one of the following conditions:

- The entity's principle business involves producing, storing, refining, processing, transporting, distributing, importing, or selling any alternative fuel (other than electricity);
- The entity's principle business involves generating, transmitting, importing, or selling electricity at wholesale or retail; or
- The entity produces, imports, or produces and imports in combination, an average of 50,000 barrels per day or more of petroleum, and 30% or more of its gross annual revenues are derived from producing alternative fuels.

An alternative fuel provider is not covered if its principal business involves:

- Transforming alternative fuels into products that are not alternative fuels; or
- Using alternative fuel as a feedstock, or fuel, in the manufacturing of products that are not alternative fuels.

In addition to meeting this definition, alternative fuel provider fleets are also subject to the same conditions for inclusion as state fleets (see above). For example, if a fleet does not own, operate, lease, or otherwise control at least 50 non-excluded LDVs, then it is not considered a covered fleet.

**Requirement** A covered alternative fuel provider fleet must acquire in a model year the number of AFVs that is equal to at least 90% of the fleet's non-excluded LDV acquisitions.

**Compliance Methods** Covered alternative fuel provider fleets have the same options for achieving compliance as state fleets.

Additional information on state and alternative fuel provider requirements and compliance options, as well the annual reporting requirements, may be found on DOE's EPAct Transportation Regulatory Activities website (http://wwwi.eere.energy.gov/vehiclesandfuels/epact/index.html).

#### **Alternative Fuel Vehicle Courses**

This fall CCAC is offering several courses on alternative fuel vehicles this fall. To learn more please visit the

D	a	t	e

#### **Description**

#### **Description**

#### Introduction to Hybrid Electric Vehicles

Day Class

- October 9 & 10, 2013
- (8:30 am to 4:30 pm) Evening Class
- November 12, 14, 19, 21
- (6:30 pm to 10:00 pm)

This course will introduce the students to hybrid electric vehicle service. It will cover high voltage safety and safe working habits when performing service to a hybrid vehicle. The components of the hybrid system will be covered including their service. Differences in the air conditioning, braking and steering system will be covered. Scan tool data will be analyzed to identify the different modes of vehicle operation and fault diagnosis.

#### Introduction to Hybrid Vehicles

**Day Class** 

- October 2 & 3
- (8:30 am to 4:30 pm) Evening Class
- October 22, 24, 29, 31
- (6:30 pm to 10:00 pm)

This course will introduce the students to hybrid electric vehicles. It will cover high voltage safety and safe working habits when performing maintenance to a hybrid vehicle. The different types of hybrid systems and their identification will be discussed. The components of the hybrid system will be covered including their operation. Emergency response information and guides will also be discussed.

#### CNG Fuel System Inspection

Session 1

- October 21-30
- (6:30 pm to 10:30 pm) Session 2
- November 18-19
- (8:00 am to 4:30 pm)

The CNG Fuel System Inspector course is designed to facilitate a diverse audience in the knowledge of compressed natural gas vehicles and their fuel systems. This course will educate and prepare students in the proper inspection of compressed natural gas vehicle fuel system components.

#### **PRCC Sustaining Members**







COMMUNITY COLLEGE OF ALLEGHENY COUNTY



































**Membership** 

Pittsburgh Region Clean Cities is always looking for new members! Our job is to help you understand

the value and importance of convert-

ing 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 coordi-

**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

nator@pgh-cleancities.org







Alternative Fuels Workshop (Erie) - August 1 (Clearfield) - August 8

CCAC Training - Hybrid October - November

Odyssey Day October 11, 2013.



**Rick Price Executive Director/Coordinator** 

> 1436 Royal Park Blvd. South Park, PA 15129 (412) 735-4114 coordinator@pghcleancities.org www.pgh-cleancities.org