

PRCC GAZETTE

"DRIVING THE WAY TOWARD ENERGY INDEPENDENCE"

Volume 5, Issue 5

September 2017

PRCC ODYSSEY DAY

Odyssey Day is an outreach and education event dedicated to promoting the use of alternative fuel and advanced technology vehicles. It is coordinated by the National Alternative Fuels Training Consortium (NAFTC) headquartered at West Virginia University in Morgantown, West Virginia, in partnership with the U.S. Department of Energy (DOE). The first event was held in 2002.

The Pittsburgh Region Clean Cities holds this event each year in October at the Community College of Allegheny County West Hills Center in Oakdale, PA

Event Date: October 6, 2017

Time: 9:00am to 2:30pm

This years' event will feature alternative fueled vehicles including a CNG Trash Hauler, CNG Panel Truck, CNG Bus, Propane School Bus, Propane Trucks, Hybrid Bus, Electric Tesla and CNG Class 8 Tractors.

Issue Contributors:

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PITTSBURGH REGION CLEAN CITIES
C/O Rick Price, Executive Director/Coordinator
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Guest Speakers include DOE Clean Cities Sarah Oleksak, Ed Cory, United Parcel Service and Erika Deyamin-Young Waste Management

PURPOSE

Odyssey Day offers unique activities designed to educate the public about cleaner transportation technologies and is customized to the wants and needs of the local host.

Examples of such activities include:

- Ride-n-Drives
- Vehicle Displays (**Including Chevy BOLT and Chrysler Pacifica**)
- Workshops
- Demonstrations(**Mobile Refueling, Electric Boom Lift**)
- Panel Discussions
- And more

This features alternative fueled vehicles, Ride-n-Drives and breakout sessions on:

PA DEP Programs/Grants/Funding, Many Uses for Alternative Fuel Buses, Electric Charging Stations, BEV/PHEV/Hybrid Panel, Mobile Refueling and Uses of Propane

To register click here

<https://docs.google.com/forms/d/e/1FAIpQLScNfD7H-Hpi36WrDMS39vLbcu1GY8GNaseTkZk2TU0H-HsG9OQ/viewform?c=0&w=1>



CALENDAR OF EVENTS

BOARD OF DIRECTOR MEETING SCHEDULE FOR 2017

The PRCC Board of Directors meeting schedule is as follows:

October 4, 2017

All meetings will be at:

Five Star Development Inc.

1501 Preble Ave.

Pittsburgh, PA 15233

Starting at 9:30 AM

Upcoming Events

**2017 Odyssey Day- October 6, 2017
9:00AM -2:30PM**

Fall Stakeholder Meeting - TBD

Training Classes

The PRCC is working with the National Alternative Fuels Training Consortium and the Community College of Allegheny County – West Hills Center to conduct training classes. These classes are **free** to Sustaining Members

Light Duty Natural Gas Vehicles

ATE-115-WH85

1. CEU

TBD

Introduction to Hybrid Electric Vehicles Training

ATE-136-WH85

1.0 CEU

TBD

CNG Tank Inspector Prep for Certification

ATE-601-WH85

1 CEU

November 2 & 3, 2017

8:00am – 5:00pm

Servicing Hybrid Electric Vehicles

ATE-137-WH85

TBD



To register for these classes contact Bob Koch at 412-788-7378 or rkoch@ccac.edu



U.S. Department of Energy announces \$13.4 million investment in transportation projects

September 1, 2017. The Energy Department (DOE) announced \$13.4 million in support of five new cost-shared, community-based projects focused on energy efficient mobility systems including connected and autonomous vehicles and alternative fuel vehicles and infrastructure including natural gas, propane, biofuels, hydrogen, and electricity.

This Vehicle Technologies Office (VTO) funding is an investment in highly-innovative, highly-leveraged, and scalable projects that will provide real-world experience and generate knowledge and lessons learned to help improve our nation's energy security, support energy independence, improve transportation efficiency, and strengthen U.S. economic competitiveness.

The following projects will serve as "living labs" to test new ideas, collect data, and inform research on energy efficient transportation technologies and systems.

- Rensselaer Polytechnic Institute (Troy, New York) will receive \$2 million to evaluate changes in freight demand patterns that reduce energy use, incorporate energy efficient technologies and practices into freight logistics, and publish lessons learned.

- Pecan Street Inc. (Austin, Texas) will receive \$1 million to pilot "last mile" electric bus services. The project includes a feasibility assessment of new technologies such as autonomous and semi-autonomous vehicles and dynamic app-driven re-routing.

- City of Seattle Department of Transportation (Seattle, Washington) will receive \$1.9 million to accelerate the use of EVs in shared mobility applications in four major U.S. markets and establish best practices for all U.S. metro regions.

Two additional alternative fuel community partner projects across the Southeast and Midwest regions will bring together over 20 diverse partners including communities, businesses, fleets and Clean Cities coalitions.

- Center for Transportation and the Environment (Atlanta, Georgia) and its partners will receive \$4.6 million to accelerate the deployment of alternative fuel vehicles and infrastructure throughout the southeastern United States.

- Metropolitan Energy Center, Inc. (Kansas City, Missouri) and its partners will receive \$3.8 million to accelerate the deployment of alternative fuel vehicles, as well as supporting infrastructure, through community-based partnerships throughout Missouri, Kansas, and Colorado.



FOR IMMEDIATE RELEASE Sept. 12, 2017
Commonwealth Launches Pilot Program to Integrate Hybrid, Electric Technology into State Vehicle Fleet Pilot program will focus on future policy development, use, right-sizing and return on investment

Harrisburg, PA – Pennsylvania Department of General Services Secretary Curt Topper was joined by Pennsylvania Department of Conservation and Natural Resources Secretary Cindy Adams Dunn and Pennsylvania Department of Environmental Protection Policy Director Jessica Shirley today to officially launch the Commonwealth's Hybrid/Electric Vehicles Pilot Program.

"We are very excited to take this first step towards the integration of hybrid and plug-in electric technology into our commonwealth vehicle fleet," Secretary Topper said. "We all play a role in reducing our carbon footprint. We've already taken steps to 'go green' in our buildings and facilities, so the logical next step is to now look at how we can be more environmentally friendly with the cars we put on the road on a daily basis."

According to Topper, the pilot program will consist of three types of vehicles: 2017 Chevrolet Volt Hybrid, 2017 Ford Focus Electric and 2017 Ford Fusion Energi. A total of 25 vehicles will be involved in the pilot program, in which the departments of Conservation and Natural Resources and Environmental Protection are early participants. DGS will assign four of their 17 vehicles to DEP, and DCNR purchased eight vehicles for their agency. DGS has two level-2 charging stations at the Commonwealth Garage at 22nd and Forster Streets; while DCNR worked out a deal with PP&L to donate 8 charging stations for their use at the 5th Street Garage in downtown Harrisburg.

“As Pennsylvania's conservation agency, our work to green our fleet and promote sustainability helps us be responsible with the use of agency resources and highlight best practices,” Secretary Dunn said. “Hybrid and electric vehicles will reduce carbon and decrease fuel costs – a win for the environment and the pocketbook.”

DGS is recommending agencies use the vehicles as pool cars, which will allow more employees to experience the technology. The department looks to lease the cars out to agencies who express interest in hybrid or plug-in electric vehicles, such as DEP who will be the first agency to get green cars from DGS. “These vehicles represent DEP’s commitment to reducing two things: costs for Pennsylvania taxpayers and air pollution,” said Jessica Shirley, DEP Policy Director. “By leasing these hybrid vehicles from DGS, we will cut down on fuel costs and the tailpipe emissions going into the air.”

This pilot program which is expected to last approximately 42-60 months will give the commonwealth the opportunity to identify the sustainability, operational ease, maintenance and resale value of hybrid and plug-in electric vehicles in the state fleet. Based on the results of the pilot, the commonwealth will make recommendations to develop policies for hybrid and plug-in electric vehicles to determine how many vehicles are needed in the fleet, how they should be assigned and how long they should be kept in the fleet.

Altoona Metro Transit to seek funds for more CNG buses

August 18, 2017. Altoona Metro Transit (Amtran) plans to apply for about \$3.1 million in federal and state grants for six new compressed natural gas (CNG) buses — in addition to three it has ordered for delivery next year.

Success in obtaining the grants would give the authority 12 CNG buses among its 26-vehicle fleet to run on fuel provided by a CNG fueling station that workers will be building soon at Amtran’s terminal, according to General Manager Eric Wolf.

“There’s no guarantee” the authority will get the highly competitive grants from the Federal Transportation Administration and PennDOT — the intention is to ask each agency to fund half — but PennDOT has said it’s a good idea to apply, and there’s momentum currently for the funding, Wolf said.

Amtran and 29 transit authorities throughout the state are transitioning to CNG as part of an \$84.5 million public-private partnership between PennDOT and Trillium, the company that will build the filling stations.

Obtaining the first group of six CNG buses will allow the authority to get rid of the last six of its 40-year-old GMC buses — except one that will be kept as a “museum” piece, Wolf said.

Obtaining the second group in 2020 would allow the authority to get rid of some of its eight 2000 buses and some of its 2005 buses — which are equipped with wheelchair lifts, rather than more convenient, quicker-loading and less maintenance-intensive ramps.



Battery Advancements Set To Accelerate Electric Car Adoption

Post written by Neil Halpern

Neil Halpern is a Vice President and Software Engineering consultant at [Base2 Solutions](#), a systems and software firm in Bellevue, WA



Thanks to an abundance of hydropower, the pristine region of the Pacific Northwest is the largest producer of carbon-free, renewable energy in the U.S. This fact, coupled with conservation-minded residents, makes it an ideal stomping ground for a wholesale conversion to electric vehicles. My recent trip to China exposed me to the benefits of a society with a mindset geared toward conservation, but I also observed that it works best when embraced by an entire population of people. Based on my observations, electric scooters outnumbered gas-powered ones, the prevailing taxi choice was powered by electricity and construction abounded with solar panels atop buildings and towers.

So why shouldn't there be a U.S.-based conversion to electric vehicles? In a word: convenience. We don't like to wait. Nor do we like to stop after short hauls. But all of this is on the precipice of change.

When Volvo announced on July 5th that all vehicles would be electric or hybrid by 2019, it positioned itself as the first major auto manufacturer to end its reliance on solely combustion engines but also raised questions as to how this promise might be delivered to global populations for whom transportation must traverse great expanses (think many hundreds of miles) of landmass.

To the average American driver who may be embarking on a national parks tour, the possibility of running out of juice (and A/C) in the middle of Death Valley can be enough of a roadblock to pledging allegiance to battery-powered modes of transport.

. Fortunately, there are several current happenings in the realm of battery technology that could make converts out of those on the cusp of electric vehicle (EV) conversion, helping to remove the barriers of cost and distance that presently keep many potential acolytes at bay.

Back in 1980, John Goodenough and his Oxford colleagues managed to advance battery technology exponentially when they invented the rechargeable lithium-ion battery. Nearly four decades later, the 94-year-old University of Texas professor has improved upon his original design significantly, creating the first all-solid-state battery cell. This means rechargeable batteries will last longer while having the convenient advantage of also being noncombustible. This is a handy attribute considering their most obvious applications will be handheld mobile devices and electric cars.

Because a battery's energy density determines the driving range of an EV, and the fact that these new battery cells have three times the energy density of lithium-ion batteries, drivers will ultimately be able to drive longer and farther. But with no current timeline for when these will be on the market, consumers need to look toward other advances closer to becoming widely accessible, such as Israel startup StoreDot and its FlashBattery technology, which promises to charge a car in just five minutes.

With a goal of bringing the battery to market in the next three years, StoreDot's technology eschews Goodenough's old-school lithium-ion battery by leveraging nanotechnology to provide uber-fast charges. The startup could demonstrate its ability to stay on target with a five-minute smartphone charger promised to debut sometime next year. Time will tell.

Those preferring a hands-free charging method can one day simply drive on local roadways -- should the dynamic electric vehicle charging (DEVC) system being developed by French automaker Renault, along with Qualcomm Technologies and Vedecom, become an industry standard. This past May, two Kangaroo Z.E. electric vehicles took to a 100-meter test track outside of Paris, where buried electrified coils throughout the track emitted an electromagnetic field,

which was then converted into electricity by systems built into the cars. Though in its infancy, this technology could ultimately mean electric vehicles driven over DEVC just 25% of the time would no longer need to stop to recharge.

The battery advancement that could most closely resemble filling up at a gas station comes from Purdue University, where the possibility of instantly rechargeable “flow” batteries is in development via the IFBattery. Though other flow batteries exist, their membranes limit the number of times they can be recharged after they become fouled. Contrast that with the membrane-free IFBattery, which extends battery life and is more cost effective. To fuel the battery, drivers could pull up to fueling stations that dispense fluid electrolytes in the form of a water and ethanol or methanol solution. Spent battery fluids could be later be recharged at some energy-efficient source such as a solar, wind or hydroelectric facility.

The Purdue solution is also stable and safe enough for residential storage; this means that bringing a refill along on road trips poses no danger, eliminating the concern of drivers having to find charging ports amid the cornfields of Iowa or deep within the Everglades. Regardless of which battery advancement comes to market first, so long as the transportation sector accounts for 14% of global greenhouse gasses, it’s becoming critical we expand the electric car driving pool of options. Because in the end, weaning drivers from their gas guzzlers will ultimately hinge upon convenience and cost.

Propane School Buses Save \$35 Million Each Year

Iconic yellow school buses are starting to roll out once again to mark the start of the new school year. This includes the 10,000th propane school bus manufactured by Blue Bird.

Blue Bird presented this milestone 10,000th propane bus to Fulton County Schools in Atlanta last month. During a back-to-school event, Fulton received 90 clean-burning, economical propane buses. The school system joins almost 750 districts across North America that have adopted propane autogas.

Fulton County Schools says that they expect to save about \$3,500 per propane bus each year that can be allocated elsewhere, like back into the classrooms, for more teachers and for other needed district improvements. If you consider that cost savings estimate across all propane buses, Blue Bird propane autogas buses are saving more than \$35 million every year compared with diesel!

In addition to major cost savings, our propane buses are making a significant dent in reducing emissions. ROUSH CleanTech propane engines, like the ones in Fulton’s buses, are certified to California Air Resources Board’s optional low nitrogen oxide (NOx) level of .05 grams per brake horsepower per hour — making it 75 percent cleaner than the Environmental Protection Agency’s current emissions standard and the cleanest school bus option on the road.

Because of this low NOx certification, these propane buses will be eligible for funding from the Volkswagen Settlement’s Environmental Mitigation Trust, which will fund clean technology that reduces NOx emissions. This all depends, though, on how each state allocates this money. To learn more, visit www.roushcleantech.com/volkswagen-settlement/.

Propane autogas school buses are reducing costs and improving the air quality around our students and community while using a domestic energy source.

To learn more about ROUSH CleanTech’s propane autogas fuel system technology that powers Blue Bird Vision Propane school buses and Ford commercial vehicles, please visit www.roushcleantech.com.



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Cummins beats Tesla with a fully-electric semi truck

[Tesla](#) is expected to unveil its electric semi truck next month, but Cummins just beat them to the game with its own fully-electric heavy duty truck. Cummins is known for its hardworking diesel engines, but now the company is looking to the future with the debut of the electric Concept Class 7 Urban Hauler EV.

The Cummins [electric truck](#), known as AEOS, is powered by a new battery pack that is lighter and denser, giving the truck a longer driving range and faster charging times. The truck can carry up to 44,000 pounds and its 140 kWh [battery pack](#) only takes an hour to charge on a 140 kWh charging station. The AEOS only has a 100 mile-range, which means that it's more ideal for shorter trips in urban environments. Tesla's semi is expected to have a driving range of around 200-300 miles. Cummins hopes to cut the charging time down to 20 minutes by 2020. For drivers that need a longer driving range, the company is working on an extended-range model that will use a diesel engine to act as a generator for the battery pack. The extended-range model will have a much more usable driving range up to 300 miles and will cut emissions by 50 percent compared to diesel-hybrid trucks.

"These new technological innovations build on our 100-year legacy of bringing the best solutions to our customers, driving their success and meeting the evolving demands of their industries and markets," said Jennifer Rumsey, Chief Technical Officer, Cummins Inc. "We will harness our global technical footprint to continue to develop a wide variety of power technologies to bring our customers the choice and solutions that enable their success and contribute to a [sustainable future](#)."



Three Coalition Leaders Inducted Into Clean Cities Hall of Fame

Aug. 24, 2017



Barry Carr, Kelly Gilbert, and Steve Russell are the 2017 Hall of Fame Award Winners

Coordinators Barry Carr, Kelly Gilbert, and Steve Russell are the latest inductees into the U.S. Department of Energy's Clean Cities Hall of Fame, which recognizes outstanding contributions to their coalition and the program's mission of reducing petroleum use in U.S. transportation. Clean Cities Director Dennis Smith and Co-Director Linda Bluestein inducted the three coordinators into the [Clean Cities Hall of Fame](#) on August 24, 2017 while in Golden, Colo., where representatives from nearly 100 Clean Cities coalitions from across the country gathered for the 2017 Clean Cities Coordinator Workshop. The coordinators lead the [Clean Communities of Central New York](#), [Kansas City Regional Clean Cities](#), and [Massachusetts Clean Cities coalitions](#), respectively

Under the leadership of this year's inductees, their coalitions averted more than 65,000 tons of greenhouse gas (GHG) emissions collectively through use of alternative fuels, advanced vehicles, and fuel efficiency measures. The GHG savings equate to removing more than 14,628 passenger cars from the road. The same year, the coalition's combined efforts also saved more than 21.9 million gallons of petroleum. These accomplishments have contributed to the success of their coalition and Clean Cities program's ability to save more than 8.5 billion

gallons of petroleum since its inception in 1993.

“These three coordinators exemplify the leadership and dedication that helps the program thrive,” Smith said. “We’re proud to have them on our team.”

Carr was recognized for his longstanding commitment and successful career as a coordinator. From 1995 to 2006 he worked with the New York State Clean Fueled Vehicle Council, helping state agencies grow their compressed natural gas fleet to more than 3,000 vehicles and expand CNG infrastructure to 60 locations in the state. Carr made presentations, provided safety and refueling training, and secured funding for many additional efforts. He is strongly supported by stakeholders and through his many relationships with fleet managers throughout the Northeast, which were built over almost three decades of steadfast determination working in the industry. In Clean Cities he is known as a knowledgeable peer who is willing to share his experience and expertise. Carr also served on the Coordinator Council and actively participates in the Coordinator to Coordinator program.

Gilbert was acknowledged for significantly growing alternative fuel use in the Midwest. The successful working relationship and strong network she has built with stakeholders and fellow coordinators are the hallmarks of her success. Gilbert has a unique ability to bring together groups to collaborate on projects and secure funding. During her time as coordinator she has secured and managed four U.S. Department of Energy project awards, overseen a four state team that successfully completed the Mid America Collaborative for Alternative Fuels Implementation project, and assembled partners for a new training initiative supporting compressed natural gas and propane safety, in addition to many other projects. Her significant achievements have helped stakeholders build the local alternative fuel market and provide essential training.

Russell was honored for his diligence in ensuring that public funding in Massachusetts has been spent to grow the use of alternative fuel vehicles and fueling infrastructure. He has spent countless hours educating and guiding fleets to reduce their petroleum use. Russell is a pioneer in the alternative fuel industry.

Russell spent 12 years as a fleet manager in the City of Keene, New Hampshire, where he introduced biodiesel to the city’s diesel fleet. This was a standout move for a fleet in the extreme cold of New England. His commitment to alternative fuels extends to the proliferation of electric, propane, and natural gas vehicles in the Northeast. Russell is a key player in Alt Wheels, an annual alternative fuel vehicle event that has been running for more than 10 years. Russell collaborates with his peers to construct an impactful agenda of events that benefits all of the northeast. To read more about the winners' accomplishments and see past award winners, visit the [Clean Cities Hall of Fame](#).



**Pittsburgh
Technology
Council**

Optimus Technologies Named Pittsburgh Tech 50 Awards Finalist

Pittsburgh Technology Council to Name Winners on October 12, 2017

PITTSBURGH, PA – Optimus Technologies, a biodiesel conversion system manufacturer, today announced that the Pittsburgh Technology Council has named it a Tech 50 Awards Finalist in the Manufacturing Category.

The Pittsburgh Technology Council’s annual Tech 50 Awards recognize southwestern Pennsylvania’s most successful, innovative, and thought-leading technology companies, which have become the backbone of Pittsburgh’s innovation economy.

The awards represent transformative technology centers of excellence with tech companies at all stages of growth. Tech 50 also recognizes the region's top tech executive.

"Each year, the Council canvasses the region for the most distinguished public and private technology-oriented companies, and the Tech 50 awards honor those companies that demonstrated the strongest growth and advancement in product or sales success, corporate citizenship, job growth and retention, industry achievement and innovative product or technology," said Audrey Russo, President and CEO, Pittsburgh Technology Council. "We are especially excited to announce the category winners at the awards gala this fall. This year, we are taking a closer look at how the finalists are propelling technology excellence not only in Pittsburgh, but around the world. It is truly a night to honor our region's technology companies and the contributions they have made to our economic vitality."

"Optimus is honored to have once again been selected as a Manufacturer of the Year finalist," said CEO Colin Huwyler. "Our solution allows fleets to use 100% biodiesel year-round, dramatically reducing fuel costs and tailpipe emissions. We've had tremendous progress this past year as we increased sales and developed strategic partnerships."

Tech 50 winners will be announced on October 12, 2017 at the Wyndham Grand Pittsburgh.



Pittsburgh Region Clean Cities Attends Three National Drive Electric Week Events



National Drive Electric Week (September 9 – 17) is a celebration to spread awareness of the availability, convenience and efficiency of plug-in hybrid electric vehicles. Since its launch in 2011 as National Plug In Day, National Drive Electric Week has changed its name and expanded into an entire week of events in cities across the nation.

On Saturday, September 16, Pittsburgh area hosted events at Bakery Square and Cranberry Commons Shopping Center led by local electric vehicle drivers and advocates.

- **Bakery Square** hosted an informational and educational event with an electric vehicle display from 10 a.m. to 2 p.m. Research indicates that the lack of consumer knowledge is a significant barrier to electric vehicle adoption, which makes education and outreach an important portion of our electric vehicle initiative. Those who visited Bakery Square also had the opportunity to take a ride and even test drive the vehicles.
- **The Cranberry Township Shopping Center** hosted the third annual Go Green Electric Car Show from noon to 5 p.m. This event was open to all owners, dealers and manufactures of a wide range of plug-in battery or hybrid electric vehicles, including cars, trucks, tractors and boats
- **State College** hosted an event at the Country Inn & Suites from 11:00am to 2:00pm. Attendees saw different electric vehicles, test drives, test rides, electric bicycles, solar powered charging provided by Sun Directed solar energy

NDEW - Bakery Square



NDEW - Cranberry Township



NDEW - State College





PRCC Visit Penn State EcoCar3

This past weekend, the Pittsburgh Region Clean Cities Executive Director Rick Price attended the State College National Drive Electric Week event and met with the Penn State Advanced Vehicle Team. Rick met with Communications Manager Molly Jennings, Mechanical Engineering Powertrain Head Anand Saran and other members at the Larson Institute

Garage to see their hybrid 2016 Chevrolet Camaro that the team has designed and hear about where the team is at with the EcoCar 3 competition.

Adam Larson the PRCC Intern was also able to meet the Penn State EcoCar3 team and attended the meeting.



Enginners in Lab



Penn State EcoCar 3 Camaro



PRCC Director Rick Price, Adam Larson PRCC Intern, Molly Jennings and Anand Saran of Penn State EcoCar3

NOW OFFERING A BEHIND THE FENCE SOLUTION FOR YOUR CNG FLEET



Fleets looking to grow CNG in their business now have a new small footprint fueling opportunity to fit your needs.

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- Tailored to your specific fleet fueling needs including fast fill options

Gain Clean Fuel is using CMD's modular time fill compressor systems. These systems are compact and don't require external storage. Additionally, each system can be tailored to your fleet fueling needs including fast fill options.

Check out our Fuel Savings Calculator on our website to see the GAIN Advantage.

For more information and an informative video visit usgain.com/mod-system

VW Trust Effective Date to be set within Two Weeks



Today, the U.S District Court of Northern California approved the proposed Environmental Mitigation Trust agreement under the Volkswagen Settlement.

The agreement was sent back to the settling parties for signature, and the Trust Effective Date will be set within two weeks of today.

Once the Trust Effective Date is set, states will have 60 days to submit their Certification for Beneficiary Status, which will allow them to become Beneficiaries of the Trust.

NASEO will notify members when the Trust Effective Date is set. For more information, please contact Cassie Powers at cpowers@naseo.org, or visit the NASEO & NACAA VW Settlement Clearinghouse, www.vwclearinghouse.org

The PA DEP will be at or 8th Annual Odyssey Day on October 6, 2017 at the Community College of Allegheny County – West Hills center to give us an update of where we are in the process.

Sauer Compressors USA launches lifetime warranty program

Sauer Compressors USA offers the first for its industry, a lifetime warranty on all medium and high pressure air and gas compressors.

The introduction of the lifetime warranty is another way for Sauer Compressors USA to standby one of their long held slogans, “High Quality, High Performance, High Pressure”. CEO of Sauer Compressors USA, Don Eaton, stated, “putting a lifetime warranty behind our compressors will give our customers the ultimate confidence when investing in our products; knowing our solutions will last them a lifetime”.

Customers can take advantage of this groundbreaking warranty upon the purchase of a new compressor. The Lifetime Warranty will provide peace of mind to the customer that the compressor purchased will be protected as long as the proper scheduled maintenance is completed with Genuine Sauer Spare Parts. An option for a Set Budget Maintenance Agreement will be available at the time of purchase giving customers the benefit of long term budget planning and worry free maintenance, if desired.

Sauer Compressors USA hopes that the new warranty program will enhance the total customer experience by giving a guarantee of reliable operation from their compressor for a lifetime.



PRCC Participates in PANIC SMART RIVERS Conference at Station Square

The PIANC-SMART Rivers Conference is a biennial international forum bringing together those involved in river transport to benchmark best practices for inland waterways around the world, and to better integrate inland waterborne transport into the global supply chain.

PRCC had a display about their DOT MARAD Project “Natural Gas Vessel Emissions Reduction Demonstration Project.” The project is moving forward towards the construct phase sometime this fall or early spring.



Tom Risley LCE and Dr Luitia Clipper of Clipper Enterprises at PRCC Booth



PRCC Booth at Smart Rivers Conference

PRCC Sustainable Members

PLATINUM MEMBERS



GOLD MEMBERS



RANGE RESOURCES®



SILVER MEMBERS



PRCC Membership Levels Information

Membership Options: Individual- \$150 Nonprofit- \$300 Bronze- \$500 Silver- \$1000 Gold- \$2000 Platinum/Sponsor- \$4000+

To find out more on membership levels go to:

<http://www.pgh-cleancities.org/membership/>



The Pittsburgh Region Clean Cities Board of Directors would like to thank all of our members and stakeholders for supporting our coalition and mission!



UNITED WE STAND – SEPTEMBER 11, 2001

Our deepest sympathy and heartfelt thoughts go out to our fellow Americans during this time of crises. We will continue to stand strong and united in our support of the men and women protecting our country's interests.

Please come visit our PRCC Web Site:

www.pgh-cleancities.org

. Contribute Your News!

In trying to get the news of successes we have in our area. Please feel free to contact Rick Price, Executive Director/Coordinator at 412-735-4114 or at coordinator@pgh-cleancities.org.

Learn more about Clean Cities at cleancities.energy.gov, and learn how to get involved with the Pittsburgh Region Clean Cities coalition at www.pgh-cleancities.org

