



Stakeholder Newsletter

Volume 2 - March

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RALLY

AT THE

RACEWAY

2016 CLEAN FUEL VEHICLE EXPO

Virginia Clean Cities would like to invite you to our third annual awards night and fundraiser, the Rally at the Raceway! We have an exciting program planned for alternative fuel enthusiasts on Thursday, April 7th from 4:30-8:00 pm at the Richmond International Raceway Torque Club.

Alternative fuel vehicles of all types will travel across the state to converge for the Governor's Green Fleet Awards and Virginia Clean Cities Clean Fuel Program. Entrepreneurs, fleet managers, and policy makers will come together for a State of the Alternative Fuel Industry Address. The event will also feature **ride and drive** opportunities on the racetrack, a silent auction for great prizes, as well as drinks and hors d'oeuvres.

This will be a great opportunity for Virginia Clean Cities stakeholders from across the Commonwealth to come together to celebrate the progress that's been made in the past year and look ahead to what we can accomplish together in the future. As a coalition, your support is essential to make everything we do, including this event, a success.

Sponsorship of this event entitles your organization to the valuable opportunity to showcase your ideas, brand, and products. This event will also raise program funds to advance clean alternative fuel programs in Virginia over the next year. Event Sponsorships also include complimentary tickets. You won't want to miss this opportunity to celebrate clean fuels and network with other professionals who are invested in the Commonwealth's transportation future! For further details, visit the event site at www.virginiacleancities.org/rally

Transit Industry Responds to Growing Demand for Alt. Fuel Systems

When school districts adopt propane autogas buses, everyone—students, parents, and educators—benefits. More than 500 school districts across North America have deployed school buses fueled by clean, cost-effective autogas in recent years.

Now transit agencies are adding this alternative fuel into their existing fleets. To date, almost 700 propane autogas shuttles transport passengers in 12 states, with the highest concentration in Michigan. The Altoona-approved ROUSH CleanTech Ford E-450 cutaway chassis affords transit agencies the ability to take advantage of Federal Transit Administration funding, which covers 85 percent of the entire alternative fuel vehicle cost, with a 15 percent local match.



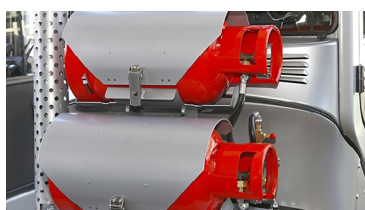
Florida's Broward County Transit tops the charts with the largest autogas transit fleet in the U.S., followed by Michigan's Flint Mass Transportation Authority. The Flint agency's autogas shuttles have chalked up over 9 million miles in the past few years. The agency reports \$2 million in fuel and maintenance cost savings compared with diesel vehicles.

IRS Approves Alternative Fuel Tax Credit Extension

The Internal Revenue Service [has released guidance on how to claim the federal Alternative Fuel Tax Credit](#), which was retroactively extended on Dec. 18, 2015, by Congress as part of the Protecting Americans from Tax Hikes (PATH) Act of 2015.

A tax incentive is available for alternative fuel that is sold for use or used as a fuel to operate a motor vehicle. A tax credit in the amount of \$0.50 per gallon is available for the following alternative fuels: compressed natural gas (CNG), liquefied natural gas (LNG), liquefied hydrogen, liquefied petroleum gas (propane), and a few others.

For propane, CNG, and LNG sold after December 31, 2015, the tax credit is based on the gasoline gallon equivalent (GGE) or diesel gallon equivalent (DGE). For taxation purposes, one GGE is equal to 5.75 pounds (lbs.) of propane and 5.66 lbs. of CNG. One DGE is equal to 6.06 lbs. of LNG.



Stakeholder EV Workshop & Lunch

Norfolk Electric Vehicle Workshop
Thursday, March 17th
11am-2pm

Slover Library
6th Floor Community Room
235 E Plume St
Norfolk, VA 23510



Join the Tidewater Area Fleet Manager's Association, City of Norfolk, Virginia Clean Cities and partners for the Norfolk Electric Vehicle Workshop.

This event will include lunch and comments from City of Norfolk, Electrification Coalition, Via Motors, Nissan Motors and Vision Fleet on innovative funding. There will also be an opportunity to explore various electric vehicles and network with industry and government leaders.

This event is \$1 to attend. To register, please [click here](#) or visit www.vacleancities.org/events

Two Proterra Buses for Montana School

Proterra has disclosed plans to start supplying its 100% battery electric buses for university campuses, and has named the Associated Students of the University of Montana in Missoula as its first such customer.

Student-run ASUM's transportation office is to receive two Proterra 40-foot Catalyst Fast Charge buses, with a semi-autonomous fast charger, for its UDash routes, Proterra says. "This procurement marks a new era for ASUM as it prioritizes electric vehicle mass transit and begins to replace its diesel vehicles with Proterra's state-of-the-art technology," states a Proterra release.

"Notably," the manufacturer adds, "ASUM is one of a handful of student-led transit agencies in the United States, demonstrating that the next generation of transit market leaders will regard sustainable transport as a priority rather than a luxury."

Proterra will be in attendance at the EV Workshop in Norfolk, Virginia on March 17th. Information on registration can be found at www.vacleancities.org/events



Biodiesel Helping Virginia Community Recycle



A recent story in the [Washington Post](#) featured Daniel Brooks of Fairfax County, VA, who was looking for ways to help protect the environment by recycling. A former member of the coast guard, Brooks has been dealing with hazardous materials since 1998. He learned the importance of keeping such materials out of the environment. "I really loved the environmental aspect," Brooks said. "I felt like I was making a huge difference."

After moving to Virginia, Brooks was looking for ways to recycle materials other than the usual paper products and plastic bottles, including used cooking oil. Previously, cooking oil was incinerated with household trash, or even worse, some people would pour it down household drains, where it could clog pipes. Brooks learned that there are companies that will pay for the oil and use it to make biodiesel fuel. He helped institute a pilot program at the county's Interstate 66 transfer station that took in 3,800 gallons of cooking oil in its first year. Brooks also found a way to save money by reusing tote tanks — heavy-duty containers that can be used to transport hazardous materials such as gasoline and paint thinner.

Fairfax is just one example of a community helping the environment by recycling. All across the nation people are taking a stand for the environment and doing their part to help protect it. Recycling used cooking oil can help to make biodiesel, which in turn reduces carbon emissions from diesel vehicles. "I saw a huge opportunity for the county to do the right thing...to promote environmental stewardship," Brooks said. It goes to show that one small step can lead to much larger environmental impacts.

Loop Energy Offers Zero-Emission Drive



British Columbia-based Loop Energy is promoting a new route to zero-emission heavy duty truck operation, combining an electric battery with a hydrogen fuel cell with only water vapor as exhaust.

In addition to pairing a battery with as fuel cell, Loop uses a patented technology dubbed eFlow to not only eliminate emissions, but enhance overall performance compared to diesel engines.

"The Loop powertrain also matches diesel engines on a total cost basis without subsidies," the company says, "making it ideal for short and regional-haul trucks that operate at distribution centers and international ports."

"We see a world where we no longer have to burn oil to move things," said Nyland. "A world where we create the power we need by working with natural cycles."

Upcoming Events

For a full list of upcoming events, please visit

www.vacleancities.org/events

3/10/16 Higher Education PEV Charging Webinar, 3:30pm EST
[Register here](#)

3/17/16 Stakeholder EV Workshop & Lunch, Norfolk, VA

3/17/16 High Octane Fuels Webinar, 1:00pm ET [Register here](#)

4/7/16 - 2016 Rally at the Raceway, Richmond, VA

5/10/16- Energy, Sustainability & Resiliency Conference, Richmond, VA

Thank You to Our New & Renewing Stakeholders!



Eastern Mennonite University is located in Harrisonburg, VA and works to support VCC's mission locally. EMU is currently working to install EV chargers on their campus.



Mainstay Fuel Tech designs, engineers and manufactures components used in vehicular CNG fuel systems. Since 2006, the company has produced and sold over 4,000 units for commercial vehicles.



Rappahannock Electric Cooperative is a member-owned utility that provides electricity to over 161,000 connections in its service area, ranging from the Blue Ridge Mountains to the Chesapeake Bay.



Virginia Natural Gas serves more than 275,000 residential, commercial, and industrial customers in Virginia and operates a series of CNG stations in the Commonwealth.

Virginia Clean Cities Board of Directors 2016



President

John Phillips is Co-owner and President of Phillips Energy, Inc. and JCB Transport, Inc. John oversees all fuel delivery operations and new products and services. He has over 25 years experience in the fuels industry.



Vice-President

Tom Rumely is the Manager of Market Development for Virginia Natural Gas and has been in this role since January 2010. He is responsible for Sales and Marketing to VNG's Industrial, Commercial and Residential customers in the territory VNG serves.



Treasurer

Paul Stacharczyk joined TFC Recycling in June 2008. In July 2011, he assumed the role of Senior Vice President and as Chief Operating Officer in February 2012. Mr. Stacharczyk has over 30 years of experience in solid waste management services.



Secretary

David Robinson founded Birch Studio in Charlottesville in 1996 and serves as Creative Director. He has overseen the branding and marketing of many small and mid-sized businesses in a variety of industries.



Larry Blanchfield is currently retired but previously worked with Northrop Gruman Shipbuilding in the Energy and Solid Waste Management sector.



Ben Delp is the Director of Research Development and Promotion at James Madison University. He leverages the resources of the university to identify research and scholarship opportunities for JMU faculty and students.



Nick D'Andrea is the Director of Public Affairs for UPS and has responsibility for public policy that affects all UPS entities in Kentucky. He also advocates for issues related to UPS's alternative fuels and sustainability strategy.



Ed Farmer formed Future Energy, LLC to assist in developing alternative fuels infrastructure in regards to the transportation sector and energy production. He has had family active in the industry for over 60 years.



George Hrichak is the fleet manager at the City of Chesapeake and serves on the York County Board of Supervisors. George retired after serving 20 years with the US Army as an aircraft maintenance officer.



Chelsea Jenkins served for two years as the Virginia Clean Cities executive director and four years as a program coordinator. Chelsea joined ROUSH CleanTech in October 2011 and currently works with East Coast-based public fleets, propane companies and school districts.



Steve McCoy has been in the various management capacities of propane industry for over 28 years. While employed by Alliance AutoGas, he worked closely with VCC in the submission of the Southeast Propane Corridor Development Project.



Bill Murray is currently managing director of public policy for Dominion, a Fortune 200 energy company doing business throughout the mid- Atlantic, Northeast, and Midwest. He previously worked in the policy office for Governors Tim Kaine and Mark Warner. .



Dr. Kenneth Newbold Jr. is the executive vice president and provost at Goshen College. He previously served as the associate vice provost for Research and Scholarship at JMU and worked closely with VCC to facilitate grants and contracts.



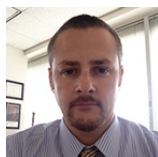
Gary Parker Jr. is a Business Development Manager for the Mid-Atlantic Region for Clean Energy. Gary oversees natural gas fueling station infrastructure development and fleet vehicle conversions for CNG in the medium & heavy duty vehicle markets.



Tyler Rines works to develop resources and partnerships that advance the work of Montpelier and its Robert H. Smith Center for the Constitution as Associate Director of Corporate and Foundation Giving. He launched his development career with VCC in the summer of 2013.



David Shellenberger is the Vice President of Power Systems for Carter Machinery. In his position, Dave is involved in leading Carter's efforts with alternative fuels and emission reduction systems.



Facundo Tassara is the Fleet Manager for the City of Norfolk. The City of Norfolk fleet was recognized under his management as #66 of the 100 Best Fleets in 2015. Mr. Tassara has previously served as the Fleet Manager for the City of Ormond Beach.