



# Virginia Clean Cities



U.S. Department of Energy



## Stakeholder Newsletter

Volume 6 - November

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## Diamond and Platinum Level Stakeholders

## Mid-Atlantic Biofuel Infrastructure Partners Project



On behalf of the Mid-Atlantic region, Virginia and Maryland have partnered with private sector infrastructure companies to advance ethanol use in the region and to install 41 additional ethanol stations and nearly 200 additional pumps, with the collaboration of the USDA Biofuel Infrastructure Program.

The Virginia Department of Mines, Minerals and Energy (DMME) will administer the program with the assistance of Virginia Clean Cities (VCC). Partners in the program include two U.S. Department of Energy (DOE) designated Clean Cities Coalitions that cover the two states, as well as agricultural and energy offices of each state. State grain associations and agricultural partners are engaged as well as private sector infrastructure partners to complete station build.

The project will deploy a transformational amount of fueling infrastructure by utilizing skilled and experienced partners. Protec and Sheetz will place ethanol stations in strategic locations for market growth, access, and use. The partners have identified top tier targets of 53 station sites and a budget action plan for all gasoline pumps at most stations to be replaced by blender pumps capable of dispensing several fuel blends from E10 and E15 to E85.

This project represents a considerable partnership, ready to step forward and provide lasting change in the ethanol markets within the region. The project aims to create temporary construction jobs and to provide a better marketplace for regional grain. The project will further benefit the public with reduced regulated emissions and greenhouse gases through the displacement of 24 million annual gallons of unleaded fuel with higher ethanol blends. Together, this Biofuels Implementation Partnership will triple ethanol use in the region as well as triple public access to higher ethanol blends.

For more information, please contact Alleyn Harned at [aharned@vacleancities.org](mailto:aharned@vacleancities.org)



## Virginia Clean Cities Continues to Launch DC Fast Chargers Across the Commonwealth

VCC is pleased to announce the opening of several new DC Fast Chargers for electric vehicles in Virginia. This equipment provides the fastest way to charge an EV, allowing a Nissan Leaf to charge to 80% of its battery capacity in 30 minutes. The first new station is in Richmond in the Main Street Station lot. The second is in Charlottesville at the 1st and Market Parking Lot near the Downtown Mall. The third new station is located at the Blacksburg Municipal Building. The fourth is located at the Front Royal Visitor's Center at 414 E. Main Street. The fifth and most recent station is in Harrisonburg at the Five Guys on Burgess Road. With these opening, Virginia Clean Cities has now deployed 24 DC Fast chargers throughout Virginia and plans to continue to deploy more. For more information on the locations, please visit [www.vacleancities.org/station-locator/](http://www.vacleancities.org/station-locator/) or [www.plugshare.com](http://www.plugshare.com).



### Propane Mower Incentive Program

The Propane Education & Research Council (PERC) Mower Incentive Program is back and will allow landscaping contractors to apply for financial assistance for the purchase of a new propane-powered mower or for a qualified conversion.

Contractors can apply to receive \$1,000 for a new propane-powered mower or \$500 towards a qualified conversion.

The program will run until funding expires and applications are being accepted now. In return for this funding, contractors will provide feedback and performance data for one mowing season.

It is recommended that contractors apply to the program prior to purchasing mowers or conversion kits. To apply for this program, please visit <http://www.propane.com/mowerincentive/>



### Join Us for VCC's Stakeholder Luncheon



Virginia Clean Cities will be hosting a stakeholder luncheon on Tuesday, November 10th, 2015 from 12:00pm-1:30pm. This event will take place at Capital Ale House in Glen Allen, VA.

The lunch will provide an opportunity to network with alternative fuel businesses, fleets, and supportive stakeholders.

Lunch is free for fleets and their staff but will be Dutch treat for other attendees. Registration for this event can be found on VCC's website or by clicking [here](http://www.vacleancities.org).

If you are interested in sponsoring this event or would like further details, please contact Michael Phillips at [mphillips@vacleancities.org](mailto:mphillips@vacleancities.org)

### PERC's Quick-Connect Nozzle Incentive

Propane marketers who have switched their bi-fuel customers to the new quick-connect nozzles have seen an immediate increase in propane autogas use. PERC is now offering a Quick-Connect Nozzle Incentive Program to help offset the cost of installing these nozzles.

The Quick-Connect Nozzle Incentive program from the Propane Education & Research Council provides \$50 per tank-side connector and \$500 per hose-end connector, with a limit of 25 tank-side connectors and two hose-end connectors per fleet.

Fueling a vehicle with these new nozzles provides a very similar experience to refueling with gasoline or diesel, allowing for an easier transition for fleets to propane autogas. These nozzles also release fewer emissions per connection and allow the user to refuel without the need for protective eyewear or gloves.



## CMAQ Government Fleet Vehicle Incentive Program



Virginia Clean Cities and the Virginia Department of Mines, Minerals and Energy are pleased to announce the Government Fleet Vehicle Incentive program is now active and accepting applications!

This state incremental incentive is now available to local governments in areas including Richmond, Fredericksburg, Northern Virginia and Hampton Roads. Funding is also available for state government fleets in those areas to help cover the incremental costs of transitioning to alternative fuel vehicles.

State agencies and local governments in CMAQ areas may be reimbursed for incremental costs to transition to alternative fuels such as natural gas or propane autogas. Reimbursements are up to an average of \$10,000 for the incremental cost of new vehicles or reasonable aftermarket conversions. State agencies and local governments can request funds by contacting Virginia Clean Cities and submitting documentation to Virginia Department of Mines, Minerals and Energy.

This Program is administered through the Virginia Department of Mines, Minerals and Energy in collaboration with the Virginia Department of Transportation. Annual federal funding for this six year program is around \$1.13 million. Contact us now or review the program page: <http://www.vacleancities.org/reports-2/cmaq-incentive-program/>

### UPS Steps Up Alternative Fuel Vehicles



With recent increases in online shopping and at-home deliveries, the United Parcel Service Inc. has said it is exploring strategies to reduce its environmental impact.

UPS currently operates 5,800 alternative fuel and advanced technology vehicles worldwide. The company has a goal to log 1 billion miles with vehicles running on alternative fuel by the end of 2017. UPS has reported that they have already logged over 500 million miles.

UPS alternative fuel fleet vehicles include vehicles powered by natural gas and biofuels, dedicated electrics, hybrid electrics, hydraulic hybrids, propane vehicles and vehicles powered by biomethane. The company has also begun working with a software that can determine the fastest, most fuel-efficient route for drivers as they make their deliveries.

### Toyota Maps Out Future of Alternative Fuel Vehicles

Toyota, the world's best-selling auto maker, announced recently that they believe gas-electric hybrids, plug-in hybrids, fuel-cell cars, and electric vehicles will make up most of its global sales by 2050.

Toyota, which has focused on hybrids, last year began selling fuel-cell cars that run on hydrogen. Fuel-cell cars, which can be charged in minutes and have a longer driving range than electric vehicles, are more suited for long-distance driving than electric cars, Toyota has said. Toyota's Mirai fuel-cell car can run 312 miles with a full-tank of hydrogen based on U.S. testing standards.

By 2020, Toyota aims to cut carbon-dioxide emissions from new vehicles by more than 22% compared with its 2010 global average. It ultimately hopes to take that to a 90% reduction by 2050, the auto maker said.

To do so, Toyota plans to sell roughly 7 million gas-electric hybrid vehicles worldwide over the next five years, it said. Toyota has sold around 8 million hybrids since it began selling them 18 years ago.

### Polaris Releases the 2016 GEM LSVs



Polaris is unveiling its line of new GEM battery electric low speed vehicles today, claiming more built-in comfort and street-legal safety features in an aluminum-chassis product that is "more maneuverable, cost-efficient and sustainable than a truck or van."

Polaris is offering optional 8.9- and 12.4-kilowatt-hour battery packs. Also new for 2016: an optional J1772 charge port and optional Level 2 charging that's six times faster than standard – 23 miles of range per hour of charging.

The average estimated cost of ownership is about \$0.03 per mile. GEM says it's the first in the industry to offer a warranty-backed lithium ion battery. The lithium battery can triple single-charge range, and boost battery cycles by two to three times.



## Upcoming Events

For a full list of upcoming events, please visit

[www.vacleancities.org/events](http://www.vacleancities.org/events)

**11/10/15** - **VCC Fall Stakeholder Luncheon**, Glen Allen, VA

**2/7/16** - **Energy Independence Summit**, Washington, D.C.

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

## VCC Staff Updates



Emma Lundeen has joined Virginia Clean Cities as a Administrative and Financial Coordinator. She is joining the team after working with nTelos Wireless where she was the Executive Assistant to the Chief Operating Officer.

Chris Mueller is also joining as an Administrative and Financial Coordinator for the team. Chris has previously worked as a MS4 Planner and consultant with the Berkley Group.



## Thank You to Our New and Renewing Stakeholders!



**TFC Recycling** is Virginia's largest residential curbside recycler. Through partnerships and agreements with local governments and public service authorities, TFC provides recycling for over 700,000 households in six of Virginia's largest cities and more than 4,000 commercial customers in Virginia and North Carolina.



*Virginia  
Truck Center*

**Virginia Truck Center** strives to meet your commercial truck sales needs, heavy truck parts demands, and truck service needs in a timely manner. Virginia Truck Center has locations in Roanoke, Weyers Cave, Richmond/Chester, and Virginia Beach.



Since 1935, **Werres** has been providing material handling equipment, customized engineering systems, and forklift equipment to clients throughout Maryland, Virginia, West Virginia, Washington D.C., and the Federal government nationwide.



**Wholesome Energy** is an affiliate of Wholesome Foods, Inc. Wholesome is a fabricator and distributor of Nonox Emulsion Combustion Technology.

### VIRGINIA CLEAN CITIES, 2014 STATS



430+  
clean fuel stations



95,000+  
tons of CO<sub>2</sub> prevented



16,800,000+  
gallons of petroleum displaced



100+  
clean fleets

## Join Us Today

*Virginia Clean Cities counts on a diverse membership base to facilitate our mission. If you are considering becoming a stakeholder, please visit our membership page at:*

[www.vacleancities.org/about/join-us](http://www.vacleancities.org/about/join-us).

You can also follow VCC on Twitter at **@VACleanCities** or [www.facebook.com/virginiacleancities](https://www.facebook.com/virginiacleancities)