

Stakeholder Update

December 2010

An Update on Clean Transportation Happenings and Opportunities

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Stakeholder Update

Dear Virginia Clean Cities Stakeholder,

We hope you are enjoying a wonderful holiday season, have enjoyed a productive 2010, and are looking forward to an even better 2011. In the recent year, Virginia Clean Cities has gone from a staff of one, to a staff of six full time employees; we expanded into the construction market with our Luck Stone stakeholders; we hosted Secretary Vilsack and several Congressmen and state legislators at events; we enhanced our data collection for stations, fleets, and alternate fuels; we rebuilt our website, and launched Facebook, Twitter, and YouTube content; and we now have more member stakeholders than ever.

As we turn the corner on another year, we're very excited to let you know what we've been up to over the past couple of months.

In this update, you can read about:

- Alternative Fuel Station Opens in Hayes, VA
- New VCC Stakeholder Introductions
- Governor's "Going Green with Virginia Transportation Initiative"
- Green Production Guide and Navy Greenbiz Ops
- Electric Vehicle and New Charger Update
- E15 approval from EPA
- Southeast Fuels Fix Winter Edition Available!
- Upcoming Events
- Project Updates
- Technical Question of the Month

Happy

Holidays!

Chelsea
Director, Virginia Clean Cities

Jenkins

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New Virginia Clean Cities Stakeholders

We would like to welcome our new stakeholders, TCI and OpConnect.

NEW PLATINUM SPONSOR & STRATEGIC PARTNER

TCI strives to provide scalable, repeatable, and supportable solutions that solve the problems or meet the needs, dreams, and desires of organizations, individuals, communities, and governments. They foster growth, improve financial capacity, and reduce consumable resources and waste for customers.

They establish strong and genuine partnerships between their internal community and their customers and collaborators. They carefully consider the impact of our decisions and solutions on the community ecosystems that our customers inhabit. TCI's teams can further economic, environmental, and technological sustainability for their customers and the world. TCI is a Platinum Strategic Partner and can be found online at <http://www.teleinc.com>.

NEW STAKEHOLDER SPONSOR

OpConnect provides metered parking infrastructure and chargers for electric vehicles. Their equipment includes a flexible out-of-home advertising networked and financially supported system, which is installed and maintained for free by OpConnect. Businesses, municipalities, airports, and universities can develop multi-year agreements for equipment which will commence deploying in Q1 of 2011. OpConnect is a Stakeholder and can be found online at www.opconnect.com.

Phillips Alternative Fuel Station Opening in Gloucester

Phillips Energy, Inc. and Virginia Clean Cities celebrated the growth of alternative fuels in Virginia at the Grand Opening of the new and open to the public Phillips Energy Fueling Station on October 8th in Hayes, VA. As part of this opening, the public was treated to E85 for only \$.85/gallon. This new public 24-hour fueling facility will include B20 biodiesel, E85 ethanol, and propane Autogas as well as gasoline and diesel.

View a video of the opening event [here](#).

Going Green with Virginia Transportation

Governor Bob McDonnell announced the launch of the "Going Green with Virginia Transportation" Initiative. The initiative, designed to increase the environmental focus of the Commonwealth's six transportation agencies, as well as achieve cost-savings, will also provide current information to the public on a variety of transportation-related environmental programs. This initiative is consistent with the cost-saving recommendations made by the Governor's Commission on Government Reform & Restructuring, including a proposal to reduce spending and fuel consumption by increasing telecommuting within state agencies.

Speaking about the initiative, Governor McDonnell stated, "The environmental impact of transportation is significant and it can be lessened by utilizing a variety of new technologies, practices and research. Each of our transportation agencies will be actively involved in and committed to this initiative. This initiative is part of our 'all the above' approach to making Virginia energy independent, as well as encouraging our agencies to be more conscious of the environmental impact of their operations."

The initiative is multifaceted and will reduce waste, increase use of renewable materials, and pursue a goal of at least 20% of eligible workforce telecommuting. The initiative will also mandate the purchase and lease of Energy Star appliances when available, seek to procure diesel with a 2% bio- or green-diesel blend, and ultimately decrease energy consumption buy at least 5% for FY 2012. <http://www.transportation.virginia.gov/Green/>

Film Industry Green Production Guide

The Producers Guild of America's Green Production Guide lists vendors of green things. Virginia alternative fuel suppliers & stations may be interested in being listed.

The link to apply to be listed is: <http://www.greenproductionguide.com/vendor-apply>.

SECNAV Green Biz Ops

Administrator Karen Mills of the Small Business Administration and Secretary of the Navy Ray Mabus recently signed a memorandum of understanding to provide contract opportunities for small businesses on sustainable energy programs, pilots, and initiatives. This was accompanied by the launch of the Green Biz Ops website. The Green Biz Opps web page will serve as a single authoritative source for Naval acquisition opportunities and other initiatives that support the Secretary of the Navy's (SECNAV) Naval Energy Vision: "The Navy and Marine Corps will lead the Department of Defense and the nation in bringing about improved energy security, energy independence, and a new energy economy".

The new website is :
https://acquisition.navy.mil/rda/home/secnav_green_biz_opps

Get Ready - Electric Vehicles

The Virginia Get Ready workgroup has completed initial efforts on most of Virginia's Electric Vehicle Plan. This document was released at the Governor's Energy Conference and also posted on a new electric vehicles website at www.virginiaev.org along with additional electric vehicle information.

Mayor Dwight C. Jones announced on Thursday October 28th that the city will launch an electric vehicle pilot for the city's fleet. The announcement coincided with a visit from Ford Motor Company as part of Ford's "Charging into the Future Electric Vehicle Tour" that began in Portland, Ore. in August. Richmond was chosen as one of 14 stops where Ford is debuting the Transit Connect Electric demo vehicle. A video of the event is available here: http://www.youtube.com/watch?v=l7RTZeqiMjs&feature=player_embedded

Ford Motor Company has announced first markets that will sell the 2012 Focus Electric, Ford's first all-electric, zero CO2-emissions passenger car. The first markets selected for Ford Focus Electric: are Richmond, VA, Washington D.C.; Atlanta, Austin and Houston, Texas; Boston, Chicago, Denver, Detroit, Los Angeles, San Francisco, San Diego, New York, Orlando, Fla., Phoenix and Tucson, Ariz.; Portland, Ore.; Raleigh Durham, N.C.; and Seattle.

Solar Services in Virginia Beach has recently unveiled a pair of public Level 1 and Level 2 chargers at their facility near the Lyndhaven Mall. Both chargers are at 877 Seahawk Circle, in Virginia Beach. Solar Services promotes electric vehicle chargers with solar electric panels. They do work all over the state and look to promote this technology as smart for small business and homeowner alike. <http://www.solarservices.com>

if you are in Northern Virginia, [CLICK HERE](#) to check your 5 digit zip code is located within one of the nine ChargePoint America metro areas. If so, you may be eligible to receive free charging stations funded by the ChargePoint America Department of Energy program grant.

E15 Announcement from EPA

On October 13, 2010, the Environmental Protection Agency partially granted

Growth Energy's waiver request application submitted under section 211(f)(4) of the Clean Air Act. This partial waiver will allow fuel and fuel additive manufacturers to introduce into commerce gasoline that contains greater than 10 volume percent (vol%) ethanol and up to 15 vol% ethanol (E15) for use in certain motor vehicles once certain other conditions are fulfilled.

The E15 Technology Bulletin below provides additional information on E15 and answers common questions. E15 will not enter the marketplace until regulations and laws are updated.

http://www.afdc.energy.gov/afdc/technology_bulletin_1210.html

Southeastern Fuels Fix Winter Edition Available

Please enjoy the Winter 2011 edition of the [Southeastern Fuels Fix Ezine](#). Included in this edition are articles about:

- Cover article -- Sexy Beasts - You Want One
- Roush CleanTech - See the current Liquid Propane Injection System vehicles!
- Tennessee Biofuels Map - See all the stations
- 10+ Public CNG Stations in Georgia to Become Reality
- Clean Energy & Choice Environmental - Showing How CNG Works
- Winner of the Automotive X Prize is from the SE: meet the Wave II
- Get past the BS - learn the Facts about Ethanol
- AireDock - Your Solution for Stopping Idling at Truck Stops
- Sun and water as you fuel? A Tennessee professor already did it.
- plus much more...

VCC Project Related News

Get Ready - Electric Vehicles

The Virginia Get Ready workgroup has completed initial efforts on most of Virginia's Electric Vehicle Plan. This document was released at the Governor's Energy Conference and also posted on a new electric vehicles website at virginiaev.org. Questions or electric vehicle considerations can be sent to aharned@hrccc.org.

E85 Infrastructure

Virginia opened the 5th public E85 station in Gloucester on October 8th. A video of the station opening is [available here](#). Late this year, we will open a station in Southwest Virginia in partnership with Sheetz. A 6th station has also opened in Ashburn Virginia.

Southeast Propane Autogas Development Program

Please visit <http://www.usepropaneautogas.com/> and <http://www.usepropaneautogas.com/blog/> to see project updates.

Virginia Public Fleets Clean Diesel Program

Conversions and repowers are taking place now as part of the Luck Stone

Construction Repower project. A media kick-off event was held on 9/16 in the Richmond area.

Spotsylvania County Public Schools put 4 new propane school buses in to service, increasing the number from 5 to 9 total propane school buses operating in the state. A press conference will be held to celebrate this huge milestone - stay tuned!

HRT is working on retrofitting their transit buses with diesel particulate filters (DPFs) to further reduce emissions.

Richmond Department of Public Utilities

Virginia Green Operator (GO) Program

The Virginia Port Authority's GO Program has been a huge success, and we are happy to report the program has experienced so much interest that there is now a waiting list of drayage truck owners and drayage companies wanting to participate. The Green Operators (GO) Program provides rebates to retrofit older vehicles with more emission-efficient engines and recognizes partners for setting and achieving goals for reducing air pollution and greenhouse gases associated with the transport of goods. VCC is working on developing a website for the program, so stay tuned!

EPA Clean School Bus

Idle-reducing engine-block heaters have been installed on 14 school buses in Albemarle County, closing out this very successful Virginia program.

DOE Hydrogen Education

VCC will be holding three hydrogen seminars in the coming months. The first will be at the University of Maryland on January 20th, followed by a second at James Madison University on February 25th, and a third in Fairfax on March 23rd. See our website for more information, or contact our office at (540) 568-8896.

Upcoming Events and Conferences

January 19, 2011: [Ethanol Blending Webinar](#) from 2pm to 3pm. 2011 brings the possibility of new blends, the promise of new infrastructure programs, the challenge of new regulations, and the opportunity of a large expansion of the flex-fuel vehicle fleet. The Blend Your Own Ethanol Campaign kicks off year two by helping stakeholders learn how ethanol and blender pumps can be the answer to dealing with all of those variables while positioning your business to stay ahead of your competition. <http://www.byoethanol.com/>

January 20, 2011: Hydrogen Seminar at University of Maryland. Virginia Clean Cities and UMD will host an informational seminar on hydrogen technology.

February 6-9 2011: [NBB National Biodiesel Conference](#)

February 20-22 2011: [National Ethanol Conference](#)

February 25, 2011: Hydrogen Seminar at James Madison University. Virginia Clean Cities and JMU will host an informational seminar on hydrogen

and clean vehicle technology.

February 28- March 3, 2011: Energy Independence Days in Washington, DC. Please visit www.transportationenergypartners.org for more information.

March 7, 2011: Public Policy Virginia's 3rd Annual Virginia Biomass Energy Group Conference at the University of Richmond.

March 7-8 2011: [NTEA Green Truck Summit](#)

March 8-11 2011: [NTEA Work Truck Show](#)

March 23, 2011: EV Workshop. Virginia Clean Cities will host a stakeholder workshop to discuss electric and hydrogen vehicles in Northern Virginia and throughout the Commonwealth. Workshop will discuss the challenges and benefits of electric vehicles, permitting and installation ideas, requirements, and contacts. Following the EV discussion, we will host a hydrogen workshop.

April 19-21 2011: [Electric Drive Transportation Association Conference 2011](#)

Clean Cities Questions of the Month

Where can I find information about new fuels and technologies in the research, development, and initial deployment phases?

Answer: Like commercialized alternative fuels and advanced technologies, new fuels and technologies in development can provide benefits such as reduced petroleum consumption, improved vehicle performance, and reduced emissions. However, it is often difficult to find reliable information about these emerging fuels and technologies. At the full answer link below you will find relevant resources that can provide valuable information. [Full Answer Link](#).

What federal tax incentives are available for alternative fuels and advanced vehicles? What special provisions and additional information do I need to understand?

Answer: The Alternative Fuels & Advanced Vehicles Data Center (AFDC) Federal Incentives and Laws Web site includes a list of federal tax credits and exemptions related to alternative fuels and advanced vehicles. The short summaries on the Incentives and Laws Web site provide an overview of the available incentives. Each summary description also includes links to useful Web sites and/or points of contact for further information. [Full Answer Link](#)