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Stakeholder Update

January 2010

A Monthly Update on Clean Transportation Happenings and Opportunities

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January 2010 Stakeholder Update

Dear Clean Cities Stakeholder,

The last year has proved to be one of the most transitional years for us. Not only were we able to successfully compete for over \$10 million in grant funding for our stakeholders' clean transportation projects, but we also added more staff, formed a valuable partnership with James Madison University, and won the 2009-2010 Clean Cities Coalition of the Year award!

All of these incredible successes would not have been possible without your support and engagement. So before we get on with the news, I'd like to simply share my thanks and joy to you for helping us get through such a busy, yet fortunate year.

In this update, you can read about:

- Ryan Cornett Joins as VCC Outreach Coordinator
- Roush Performance and AmeriGas Join as New Stakeholders and Northrup Grumman Renews Support!
- A VCC Job Opening - Deadline Extended
- Funding Available for a B20 Station
- Propane Road Show at JMU on February 3, 2010
- B2 Mandate on the Table Again
- Alleyn and Chelsea to Blog at EDTA, Ethanol and Biodiesel Conferences
- Funding Still Available for Green Operators Program
- Quarterly General Stakeholder Meetings to Begin in 2010 at JMU and in Hampton Roads
- Energy Independence Days 2010
- Clean Cities Technical Response Service Question of the Month
- National Clean Cities Strategic Planning Update
- Virginia Clean Cities Projects Update
- Biodiesel Production Inventory Shows Sharp Decrease in 2009 Over Past Years
- LOTS of upcoming conferences and trainings: EDTA, National Biodiesel Conference, National Ethanol Conference, Green Truck Summit, Propane Engine Fuel Summit, Energy Independence Days, Alternative Fuels and Vehicles Conference & Expo..
- We Want Pictures of Your Alternative Fuel Vehicles!

Happy Reading!

A handwritten signature in black ink.

Chelsea Jenkins
Director, Virginia Clean Cities

Ryan Cornett Joins VCC as New Outreach Coordinator

We are excited to welcome Ryan Cornett as our new Outreach Coordinator. Ryan Cornett joined Virginia Clean Cities officially this month as Outreach Coordinator but has worked with Ken and Chelsea for the past several months. His activities as a Graduate Assistant in the JMU Office of Research and Public Service have centered on alternate fuels, energy efficiency, and educational outreach for the past 2 years. Ryan completed his Masters in Public Administration from JMU in May of 2009.

Ryan can be reached at cornetrp@jmu.edu or at 540-568-1662.

VCC Job Opening - Closes February 12, 2010

Virginia Clean Cities is hiring a full-time Project Officer/Monitoring Official to assist with our Propane Corridor Development Program. The full-time position has been loaded to the [JMU JobLink](#) site. Please search under "Classified/Full Time Positions" and the position should be labeled as "Propane Corridor Development Project Officer/Monitoring Official."

The Project Officer will be based out of our new office at James Madison University, in Harrisonburg, and will be a JMU Classified position. We will accept applications through February 12, 2010.

New Stakeholders: AmeriGas Propane and ROUSH Performance



AmeriGas joined Virginia Clean Cities as a Gold Sponsor and Strategic Partner this month. AmeriGas is the nation's largest propane company, and serves over 1.3 million residential, commercial, industrial, agricultural and motor fuel customers in 50 states.



ROUSH Performance also joined Virginia Clean Cities as a Coalition Stakeholder this month. ROUSH Performance, headquartered in Livonia, Michigan, has been working on Liquid Propane Injection conversion systems for Ford vehicles for a number of years. After seeing success with their light- and medium-duty truck offerings, they're excited to announce the launch of the Ford E-series fuel conversions in February, 2010. Here's a full list of available product:

- 2007.5 - 2008 Ford F-150 (5.4L V8)
- 2009 - 2010 Ford F-250 / F-350 (5.4L V8)
- 2009 - newer Ford E-150 / E-250 / E-350 (5.4L V8)

The ROUSH LPI systems lower operating expenses, reduces greenhouse gas emissions by 24%, lowers carbon monoxide and nitrogen oxide emissions significantly, and are certified by the EPA and CARB (CARB certification for E-series expected in April, 2010). All systems can be installed by ROUSH or an authorized Ford dealership on new or used vehicles. ROUSH is currently working on the development of a Liquid Propane Injection fuel system for the 2009 and newer Ford E-450 Cutaway with the 6.8L V10, which will be available in Q3 of 2010.

NORTHROP GRUMMAN

We also want to thank [Northrop Grumman Newport News](#) for your long-standing and loyal support of our coalition. NGNN renewed their Coalition Stakeholder membership in December 2009. Thank you!

Funding Available for B20 Station



Virginia Clean Cities partnered with Sustainable Energy Strategies (SESI) last year to submit a proposal to the DOE that would help subsidize the cost to install alternative fuel infrastructure at retail locations along the I-95 corridor. SESI received the award late last year, and is looking for a partner in Virginia that can install B20 at a retail location, preferably off the I-95 corridor. The biodiesel blend must be made available to the public for four years, and up to \$49,249 in federal funding is available to contribute to the installation of the equipment (contractors, equipment, piping, electrical, signage, permits, etc.). A minimum of 50% cost share must be contributed as cost share to the project.

Please [contact us](#) if you are interested in learning more about this opportunity.

Propane F-250 Road Show February 3, 2010 at JMU



You are invited
Come test drive the 2010 Ferrellgas Propane-Powered Roush F-250 and learn about the advantages of Ferrellgas propane as an alternative fuel.

Wednesday, Feb 3, 2010
10 am - 2 pm
Lunch will be served
Address: 1000 North Main Street, Suite 100
James Madison University
Harrisonburg, VA 22801

Register today!
Contact your local Ferrellgas
Sales Representative
336-670-3692

Visit the Website
www.ferrellgas.com
or call 1-800-447-1700

Virginia Clean Cities has partnered with Ferrellgas to host a propane road show event at James Madison University on Wednesday, February 3, 2010. The event will be held from 10 am - 2 pm, and feature presentations from Virginia Clean Cities and Ferrellgas. We will update you on our propane activities and what vehicles are available in 2010. Ferrellgas will discuss propane as a motor fuel and focus specifically on the ROUSH F-250. Lunch will be served and participants will also have the chance to test drive the new F-250 propane powered pick-up!

Download the flyer, find out more, and register by visiting our [website](#).

Funding Still Available for Green Operators (GO) Program

The Green Operators Program provides funding to retrofit or replace older dray trucks serving the Virginia Port Authority. There is still funding available. To find out more about the program, visit the [VPA GO website](#).

Current GO Trucking Firms:
Andy's Trucking
Century Express



Virginia Clean Cities to Blog at EDTA, Ethanol and Biodiesel Conferences



Virginia Clean Cities will post frequent updates from conferences beginning with next week's [Electric Drive Transportation Association \(EDTA\) 2010 Conference and Annual Meeting](#), which is in Washington, DC this year from January 26-28, 2010. The meeting is co-located with the Washington, DC Auto Show. Allyn Harned will be on the ground and will blog about the action. Check back on January 26th to hear about the latest in battery, hybrid, plug-in hybrid, and fuel cell electric drive vehicles. [EDTA blog link](#).

In February we will blog from the [National Ethanol Conference](#) and the [National Biodiesel Conference & Expo](#). All conference blogs can also be found from our main page.

Virginia Clean Cities to Begin Holding Quarterly Stakeholder Meetings in Harrisonburg and Hampton Roads in 2010.

Throughout 2010 Virginia Clean Cities will organize regional stakeholder meetings to foster greater interaction and communication with stakeholders. These meetings will begin in Harrisonburg and Hampton Roads, but are expected to be held throughout the state over time. Stay tuned for more information about these regional meetings.

Energy Independence Days 2010

"Energy Independence Days" (EID) is a partnership between coalitions and industry supporters of the almost 90 Clean Cities coalitions that exist all over the United States. **EID 2010 will be February 28 - March 3.** The main activities are a day-long educational seminar on March 1 followed by educational meetings and briefings with federal policymakers on March 2. The complete draft agenda will be available soon on the [Transportation Energy Partners](#) website.

Sponsor funds from industry make it possible for dozens of Clean Cities coordinators to travel to Washington DC to receive briefings, exchange ideas, and meet with congressional members and staff.

If you are interested in participating, or sponsoring, please contact us.

Virginia Clean Cities Projects Update

Propane Corridor Development Project

The Propane AutoGas Corridor Development Program is a 4-year program that will convert almost 1,200 vehicles in fleets across the states of Virginia, Maryland, Tennessee, South Carolina, Florida, Georgia, Alabama, Mississippi, and Louisiana to run on propane. To support these vehicle conversions, we will create a southwest region-wide propane fueling corridor through the same states, deploy new or upgrading existing propane fueling facilities at over 11 locations along the corridor. The program will include the launch of a professional and far-reaching training, marketing and education program that integrates US DOE Clean Cities Coalitions and subject-matter experts, and includes a comprehensive team to address critical needs or implementation barriers.

Interviews have taken place for the program manager, and we will be making a formal announcement shortly. A project officer position is still open through mid-February. We hope to officially get started next month after award negotiation and execution is completed.

Biodiesel Grant Program

Clean Cities has prepared program materials in anticipation of an upcoming launch of the program, which will provide up to \$25,000 per fleet to help subsidize the cost of biodiesel blends. Unfortunately, the launch of the grant program has been put on hold as we await movement on the biodiesel blending tax credit from Congress. Expect an update in the coming weeks as the program gets into full swing.

Idle Reduction Pilot Programs

VCC is working with Gloucester County and Virginia Beach Public Schools to launch idle reduction programs. Both programs will make use of aftermarket auxiliary heaters used to warm up engines and passenger compartments and includes timers to automatically start the heating function. VCC will collect and analyze data to determine how effective these devices are at reducing idling. VCC also prepared a briefing paper on options for implementing an idle reduction program, including curriculum, technology options, and education/outreach. If you are interested in piloting an idle reduction program in your school, or fleet, please [contact us](#) for more information.

VA-MD-DC E85 Infrastructure Project

Funding is still available to subsidize the cost to install infrastructure related to the retail sale of E85. Allyn plans to attend the National Ethanol Conference in February, and will blog about the latest industry updates.

Hydrogen Education for Decision Makers Project

VCC will host a series of "Hydrogen 101" webinars beginning in March.

Strategic Planning

The DOE Clean Cities team is in the process of developing a draft Clean Cities strategic plan with the assistance of Cambridge Concord Associates, a strategic planning firm. The next step will be to present it internally to Office of Vehicle Technologies management, after which it will be vetted to Clean Cities coordinators and stakeholders throughout the year at multiple venues. To provide a basis for discussion, DOE and the national laboratories analyzed each technology and summarized issues in a series of [briefing papers](#), available online. These papers were presented and discussed at the September 2009 Strategic Planning workshop. Some of the papers have been updated, which others will be revised again based on input and posted in February. The papers provide a great overview of the industry, the barriers, opportunities, and needs.

Virginia Clean Cities Wraps Up Inventories on Alternative Fuel Vehicles, Production, and Stations

In January we completed an update on inventories of alternate fuel vehicles, alternate fuel production, and alternate fuel stations based on Q4 2009 data.

We have now identified 39,011 alternate fuel vehicles in Virginia in 59 fleets. This included nearly 2600 E85 compatible vehicles, and more than 3300 vehicles running biodiesel. There was

an increase of 278 alternate fuel vehicles from the previous report. Many fleets have been stocking up on E85 vehicles in preparation for available fueling infrastructure.

In Virginia, 2.5 million gallons of biofuels were produced (primarily biodiesel), which is 11% of the state's 22 million gallon capacity (see above). This is a 38% decrease from the 4 million gallons produced in 2008. Next year this capacity will significantly increase and there will be a significant increase in ethanol production.

There are now 85 public or private alternate fuel stations in the Commonwealth. 38 of these are biodiesel, 11 are compressed natural gas, 8 are E85, 26 are propane, and 1 is a hydrogen refueling station. You can find the closest station to you with [DOE's Mobile Alternative Fueling Station Locator](#), and we are working to have our information added to this and other alternative fuel maps.

If you have any comments or questions about fleet, station, or production inventories, please feel free to contact Alleyn.

Clean Cities Question of the Month - Jan 2010

Question of the Month: Where can I find information about available and upcoming alternative fuel and advanced vehicles?

Answer: The resources below can help you find information about available light-duty and heavy-duty original equipment manufacturer (OEM) vehicles as well as information about certified conversions.

Light-Duty Vehicles

The Alternative Fuels & Advanced Vehicles Data Center (AFDC) Light-Duty Vehicle Search (<http://www.afdc.energy.gov/afdc/vehicles/light/>) allows you to find and compare OEM vehicles and create printable reports to assist in decision-making. The annual Clean Cities Vehicle Buyer's Guide contains additional information (e.g., manufacturer's suggested retail price) for OEM vehicles of a specific model year in a PDF format. The 2010 Vehicle Buyer's Guide can be downloaded from the AFDC Web site (<http://www.afdc.energy.gov/afdc/pdfs/46432.pdf>). Also see the two-paged Alternative Fuel and Advanced Technology Vehicles document (http://www.afdc.energy.gov/afdc/pdfs/mv2010_afv_atv.pdf), which provides a useful snapshot of the available OEM vehicles for Model Year 2010.



FuelEconomy.gov features search tools that generate results on fuel economy and emissions information for hybrid electric vehicles (http://www.fueleconomy.gov/feg/hybrid_sbs.shtml) and "cars that don't need gasoline" (<http://www.fueleconomy.gov/feg/byfuelytype.htm>).

Heavy-Duty Vehicles

The AFDC Heavy-Duty Vehicle and Engine Search (<http://www.afdc.energy.gov/afdc/vehicles/heavy/>) allows you to search for vehicles, engines, and hybrid propulsion systems for vehicles with a gross vehicle weight of more than 8,500 pounds. You may search by manufacturer, fuel type, or application; perform side-by-side comparisons; and generate reports.

Certified Conversions

The U.S. Environmental Protection Agency (EPA)'s Document Index System (<http://iaspub.epa.gov/otaqpub/>) contains information and documentation related to conversion systems that have been certified by the EPA. To access this information, select "alternative fuel conversions" from the Industry section of the Web site. You may then search by certificate year, manufacturer, and/or keyword.

Vehicles that Qualify for Federal Tax Credits

The U.S. Internal Revenue Service publishes lists of vehicles that qualify for federal tax credits, as well as the associated credit amount. Useful Web sites include:

- Qualified Alternative Fuel Motor Vehicle Tax Credit and Heavy-Duty Hybrid Electric Vehicle Tax Credit: <http://www.irs.gov/businesses/article/0,,id=175456,00.html>
- Light-Duty Hybrid Electric Vehicle and Advanced Lean Burn Vehicle Tax Credit: <http://www.irs.gov/newsroom/article/0,,id=157632,00.html>

Industry Association Information

Some industry associations track vehicle availability and aftermarket conversion options; examples are provided below. Please note that the TRS cannot verify that all of the vehicles and conversions listed on these Web sites have been certified by the EPA.

Natural Gas Vehicles for America: Guide to Available Natural Gas Vehicles and Engines: <http://www.ngvamerica.org/pdfs/marketplace/MP.Analyses.NGVs-a.pdf>

Propane Education Research Council: Propane Powered Products: <http://www.propanecouncil.org/uploadedFiles/Engine%20Fuel%20Product%20Listing%2011-08.pdf>

Growth Energy: Flexible Fuel Vehicles: <http://www.e85fuel.com/e85101/flexfuelvehicles.php>

Plug-In America: Plug-In Vehicle Tracker: <http://www.pluginamerica.org/vehicles/>. Note that this page includes vehicles that are in development and not yet on the market.

As always, please contact the TRS with any questions, or if you have suggestions for additional resources or a future Question of the Month.

Clean Cities Technical Response Service Team
technicalresponse@icfi.com
800-254-6735

Virginia Legislative Update

Below is a listing of some of the alternative fuel and Clean Cities related bills in the 2010 General Assembly Session.

Senator Whipple has introduced [SB272: Biodiesel and green diesel; minimum content in state contracts for vehicle fuel](#). This bill Requires state public bodies to procure only diesel fuel containing, at a minimum, two percent, by volume, biodiesel fuel or green diesel fuel. The requirement will only apply to procurements of diesel fuel for use in on-road engines if fuel is practically available and the cost of such procurement is within 5% of the cost of unblended diesel fuel. The bill includes a clause that if of sufficient availability of biodiesel or green diesel, the Governor may increase the requirement of biodiesel fuel or green diesel fuel up to 20 percent by volume.

Senator Whipple also introduced [SB269: Driver education programs; fuel efficient driving practices](#). This bill requires the Board of Education to include fuel-efficient driving practices as part of the driver education curriculum.

Delegate Poindexter submitted [HB806: Virginia Alternative Fuels Revolving Fund](#). This bill adds improvement of infrastructure such as fueling stations as a goal of the Fund and requires that the Commissioner aggressively

pursue grants and other sources of funding for the Fund.

Upcoming Conferences and Events

January 26-28, 2010: The [EDTA Conference & Annual Meeting](#) is co-located with the Washington, DC Auto Show. The Conference will feature a 3 day program, including two general plenary sessions, 12 breakout sessions covering all aspects of the electric drive industry, and pre-conference workshops. Delegates will also enjoy numerous social and networking opportunities, including two evening receptions and luncheons. And, EDTA will celebrate its 20th Anniversary at a special luncheon on January 27. The EDTA Conference will also feature an [Advanced Technology Superhighway](#), featuring EDTA members and other companies showcasing the latest in battery, hybrid, plug-in hybrid and fuel cell electric drive vehicles. Meet suppliers and infrastructure providers as well!

February 7-10, 2010: The [2010 National Biodiesel Conference & Expo](#) will be held at the Gaylord Texan in the Dallas-Ft. Worth area. NBB is offering buy-one-get-one free registration.

February 15-17, 2010: The Renewable Fuels Association's 15th Annual [National Ethanol Conference: Policy & Marketing](#), "Climate of Opportunity," will be held February 15-17, 2010 in Orlando, Florida. This conference is recognized as the premier event to interact, network and learn about the important marketing and public policy issues affecting the ethanol industry. Speakers and sessions will focus on the historic opportunities facing the industry. As a renewable fuel, as an industry continuing to reduce energy inputs, and an industry diversifying into new products, ethanol is poised to make a significant contribution to our planet's energy future. Climate change is a seminal focus of the Obama Administration and an increasingly important issue to the public at large, and the momentum is in our favor. With steadfast resolve to increase ethanol's marketshare in blends and E85, and a commitment to the best science, technical knowledge and quality, there is an opportunity to improve the industry as well.

February 28 - March 2, 2010: [Energy Independence Days](#) (see above)

March 3 & 4, 2010: The [2010 Propane Engine Fuel Summit](#) will be held March 3-4, 2010 outside of Washington, DC in Chantilly, Virginia, just minutes from Dulles International Airport. Travel budgets are shrinking so the 2010 the Summit will be webcasting live enabling attendees to watch from anywhere in the world!

March 9 & 10, 2010: The [NTEA Green Truck Summit](#) is a two-day conference beginning March 9th that provides a wealth of information for work truck industry professionals overviewing hybrid and alternative fuel technologies, applications for commercial vehicles and results of real-world deployment in fleet operations.

April 14, 2010: Alternative Fuels Trade Alliance Workshop in Chantilly, Virginia. Virginia Clean Cities is hosting this in conjunction with several alternative fuel industry alliance groups. Stay tuned for more.

May 9-12, 2010: The [Alternative Fuels and Vehicles National Conference and Expo](#) is scheduled for May 9-12, in Las Vegas. AFVI is awarding 50 complimentary full-Conference registrations (an \$899 value) to fleet professionals throughout the country to attend the Conference + Expo. Details and more information is available on the AFVI website at <http://afv2010.com/whatsnew100115.html>

We Want Photos of Your Alternative Fuel Vehicles!

We are seeking out images of vehicles and infrastructure that are clearly marked as being alternative or advanced vehicles and fuels (i.e., display wraps and logos announcing their respective fuels) for the NREL stock photo database.

Specifically, we're looking for:

1. Light-, medium-, and heavy-duty AFVs
2. Refueling infrastructure equipment (public and/or private)
3. Niche market vehicles (such as refuse haulers, school and transit buses, taxis/shuttles, delivery vans)
4. Off-road vehicles and landscaping and construction equipment (including forklifts, boats, and rail)
5. Idle reduction equipment (onboard and truck stop electrification) - No IdleAire photos needed

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