



## Founding Members



Quarterly Newsletter | Summer 2015

## Features

### TBCCC Hosts Florida Alternative Fuel Vehicles Expo in Sarasota



On Monday, May 18, the Tampa Bay Clean Cities Coalition (TBCCC) held a 2015 Florida Alternative Fuel Vehicles Expo in Sarasota, Florida.

Hosted by UF/IFAS Extension Sarasota County, this free public event gathered over 50 TBCCC members and alternative fuel vehicle stakeholders from the public and private sectors.

The expo started at 10am with a variety of electric, CNG, and propane vehicle and equipment displays from AmeriGas, the Environmental Protection Commission of Hillsborough County, Florida Transportation Systems, Precision Alternative Fuel Conversions, ROUSH CleanTech, Waste Management, and others. Featured fleet and personal vehicles included a Tesla, Cadillac ELR, Chevy Volt, Ford C-Max, Blue Bird propane school bus, F-250 service truck conversion, solar traffic trailer, CNG Honda Civic and

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TBCCC MEMBERS

#### Diamond



#### Platinum



#### Gold



#### Silver



F-250, electric bucket truck, Toyota Prius, Chevy Tahoe CNG conversion, and CNG refuse vehicle.

Steve Reich, TBCCC coordinator, welcomed the group and gave an update on coalition progress as reported by fleet members in a survey earlier this year.

"Due to improvements in fuel efficiency and the increase in alternative fuel vehicles on the road, the Tampa Bay region has seen an average annual gasoline consumption growth of only about 1.23 percent in 2014," said Reich. "In the meantime, we have reduced the equivalent of 5,746,745 gallons of gasoline and 12,653 tons of greenhouse gas emissions. When we look at where the displacement of gallons has occurred in this region, 95 percent of that reduction has happened by virtue of the implementation of CNG in the heavy vehicle fleet."

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## TBCCC Feature Member Profile

### EPC and Dr. Rick Garrity

Dr. Rick Garrity, executive director of the Environmental Protection Commission (EPC) retired on June 30th, after serving at EPC for over 15 years. Tampa Bay Clean Cities salutes Dr. Garrity for his longstanding work in protecting the environment and his dedication to bringing cleaner fuels to the Tampa Bay region.



"Transportation is a key player in determining a region's air quality", notes EPC Air Division Director, Jerry Campbell. "Dr. Garrity's foresight in helping to expand the acceptance of cleaner, alternative fuels will help this community breathe healthy air for generations to come."

Late in the 1990's, Tampa Bay area leaders attempted to launch a Clean Cities Coalition to our region, but the timing was not right and the effort needed more broad-based support. In recent years, EPC had begun pilot projects using alternative fuel vehicles for staff and for public display opportunities to promote the air quality and energy-savings benefits. Noting the success of the U.S. Department of Energy's Clean Cities Program in supporting local efforts to advance alternative fuels, Dr. Garrity decided it was an excellent initiative for EPC to help "jump start" the Tampa Bay region's second try to become part of the national Clean Cities network. EPC joining forces with TECO Energy, and USF's Patel College and the Center for Urban Transportation Research, turned out to be the winning combination.

Congratulations to Dr. Garrity on all his successful work and for leading EPC of Hillsborough County in progressive initiatives to help protect the region's natural resources for the benefit of all its citizens!

## Welcome New Members!



### Bronze



### Members





Radiant Energy is an experienced energy management company that specializes in providing energy solutions for businesses. RadiantEnergy consultation services include energy contract reviews, energy budgeting, and energy audit services.



The North American Marine Environment Protection Association (NAMEPA) is an independent, marine industry-led association which engages maritime businesses, government and the public to "Save our Seas" by promoting sound environmental practices. NAMEPA operates as a nongovernmental organization committed to preserving the marine environment.



Haven Land Surveys, LLC, is a third-generation family-owned surveying and mapping firm. The company offers surveying services that include boundary and topographic surveys of commercial and acreage properties, and construction projects throughout the state of Florida.

**Thank you to our renewing members for their continued support:**

Karen Freedman  
TECO Energy  
EPC of Hillsborough Country

**News Section**

**J.J. Taylor Companies, Inc. Wins Tampa Bay Sustainable Business Award!**

The 7th Annual Tampa Bay Sustainable Business Awards Luncheon was held at the University of Tampa's Vaughn Center on June 10th. J.J. Taylor was among the winners for local businesses who achieve the triple bottom line of promoting people, planet and profit in their day-to-day business



*Steven Chesser, VP of Operations in Florida, accepts the Sustainable Business Award for J.J. Taylor Companies from sponsors Andrew McIntosh and Herb Goetschius.*

practices. J.J. Taylor Florida is an area leader in adopting alternative fuels, recently converting to cleaner, natural gas for their large delivery trucks. The switch to alternative fuels, along with the many recycling and packaging improvements practiced at J.J. Taylor Trucking, made this company a winner!

**Congratulations to Pinellas County School District**

The Pinellas County School Board recently approved a plan to acquire 58 propane-powered school buses through a lease-purchase deal that officials say will lessen the financial impact on the district



John Batchelder  
Karen Freedman  
Joy Ingram  
Gary Ivers  
Stephen McNaughton  
Arthur Miksis

this fiscal year. The district is purchasing the buses from Tampa-based Florida Transportation Systems for \$6.4 million. Pinellas County's 58 propane buses are currently on order and should arrive in early September of this year. In addition, Pinellas County Schools is in the process of building an exceptional fueling station for these new buses at one of the bus yards.

### **New Mulberry CNG Station**

On April 21, Trillium CNG celebrated the grand opening of its newest CNG public station in Mulberry, Florida. This is Polk County's first CNG station open to the public, and it is located at 1009 Canal Street (S.R. 60). Steve Reich, TBCCC coordinator, spoke at the event and presented Anddrikk Frazier, managing partner of Integral Energy, with Trillium's certificate of membership in TBCCC. Also celebrating with Trillium CNG were the Mosaic Company, Dillon Transport and Integral Energy.

### **M&B Dairy Products Planning for CNG**

Soon, M&B Products will begin hauling dairy products from Tampa to Miami using CNG-fueled Freightliner Cascadia tractors leased from Ryder System. M&B Products expects to make five 500-mile trips daily, using 100,000 gallons per year less diesel fuel as a result. "Adding natural gas heavy-duty trucks to our delivery fleet aligns with our efforts to raise the bar on eco-friendly farming," said Mike McGucken, M&B Products transportation consultant. The new trucks will be maintained by Ryder at its Tampa service facility, which is engineered to handle natural gas trucks.

## **Alternative Fuel Vehicle News Corner**

### **Bi-Fuel CNG Impala Sedan Delayed**

General Motors is pledging first deliveries this summer of the CNG-gasoline bi-fuel Chevrolet Impala that was announced in autumn 2013.



"We identified a concern and are working with our partners on implementing a solution," a GM spokesman told F&F. He said that the vehicle is on track for 2016 too, with the order book for the new model to open in the third quarter.

The bi-fuel Impala has a Type I fuel tank manufactured by Italy's Faber and a Quantum-integrated compressed natural gas fuel system. An undisclosed supplier provides injectors and fuel rail and ECM engine control management software, the spokesman says, with "on-engine" content managed by GM."

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## Honda Drops CNG After 15 Years

*The 2015 Accord Hybrid - Honda promises an all-new model for early 2016.*



America

announced recently that it's dropping its dedicated-CNG Civic Natural Gas and Civic Hybrid models as of the end of the year.

American Honda North

"We are rolling out incredible new products that are creating the strongest and most fuel efficient lineup in our history," automobile division executive VP John Mendel said in a statement. "Our high-volume products of today including Fit, Civic and Accord on the passenger car side and HR-V, CR-V, Pilot and Odyssey on the light truck side, are already achieving best-in-class fuel economy," he said.

Mendel promised an all-new, tenth-generation Civic for autumn "with top-in-class fuel efficiency and safety" - the goal is class-leading fuel economy, he said, "with EPA highway fuel economy a few ticks above 40 miles per gallon."

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## NREL Partnerships to Help the Grid Accommodate More Renewable Energy

The Energy Department's National Renewable Energy Laboratory (NREL) on June 15 announced five new partnerships, awarding up to \$6.5 million in federal funds to technical teams throughout the country. These cost-shared projects with industry, universities, and other stakeholders will address enabling the nation's electric grid to handle increasing amounts of renewable energy.

NREL is managing the Integrated Network Testbed for Energy Grid Research and Technology Experimentation (INTEGRATE) and all of the teams will test their technologies in NREL's unique megawatt-scale Energy Systems Integration Facility (ESIF).

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## From Florida to California on Just One Tank of Renewable Diesel!

This was no ordinary trip - it was a historic accomplishment of car, men, and a remarkable renewable diesel fuel. This was the first time that this type of trip was driven using a fuel that is made exclusively from bio-based raw materials.



The trip was the brainchild of Pat O'Keefe, CEO and President of CLP Motorsports, Vice President at Golden Gate Petroleum and a keen racing car driver and enthusiast. Golden Gate started selling NEXBTL renewable diesel to its fleet customers the San Francisco area in 2013.

"What a great opportunity to be able to partner with Neste on this project so that we can help bring awareness to the public about this amazing fuel - NEXBTL renewable diesel. We will continue to promote this great fuel through our fleet-servicing and retail stations and of course through our racing," said an excited, albeit exhausted, Pat O'Keefe.

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### **EPA and NHTSA Propose Standards to Reduce Greenhouse Gas Emissions and Improve Fuel Efficiency of Medium- and Heavy-Duty Vehicles for Model Year 2018 and Beyond**



The U.S. Environmental Protection Agency (EPA) and the Department of Transportation's National Highway Traffic Safety Administration (NHTSA) are jointly proposing a national program that would establish a second phase of greenhouse gas (GHG) emissions and fuel efficiency standards for medium- and heavy-duty vehicles.

Building on the success of the Phase 1 standards, this technology-advancing program would significantly reduce carbon emissions and fuel consumption from a wide range of on-road vehicles, from semi-trucks and their trailers to the largest pickup trucks and vans, and all types and sizes of work trucks and buses. The proposed Phase 2 program would cut GHG emissions by approximately 1 billion metric tons, conserve approximately 1.8 billion barrels of oil, and lower fuel costs by about \$170 billion over the lifetime of the vehicles sold under the program. This new phase of the national program would also benefit consumers and businesses by reducing the costs for transporting goods while spurring innovation in the clean energy technology sector.

See the EPA's Fact Sheet [here](#).

## **Resources**

[Alternative Fuel Life-Cycle Environmental and Economic Transportation \(AFLEET\) Tool](#)

[Vehicle and Infrastructure Cash-Flow Evaluation Model](#)

[Clean Cities Now Winter 2014 Newsletter](#)

[Clean Cities 2015 Vehicle Buyer's Guide](#)

[Upgrading Facilities for Natural Gas Vehicles video](#)

[Alternative Fuels Data Center](#)

[Station Locator](#)

[Vehicle Cost Calculator](#)

#### Clean Cities Question of the Month



*What are the latest updates on hydrogen and fuel cell electric vehicle deployment?*

Visit the [TBCCC](#) website for the answer!

## Upcoming Events

**Watch for announcements soon for the National Drive Electric Week events in the TBCCC region!**

We are fortunate to have three location options in our area on **September 12**. NovaCharge and the City of Oldsmar will team up again with an electric vehicle celebration that includes test-driving the newest electric vehicles on the market. The Sierra Club will also hold an electric vehicle day near the pier in downtown St. Petersburg. And Sarasota's "Electrify the Island" will be held at the Mote Marine Laboratory & Aquarium.

For more information, visit the [Drive Electric website](#).



#### **July 28-29, 2015 Green Bus Summit**

Reno, Nevada

For more information and to register, visit the [website](#).



#### **August 24-26, 2015 Fleet Technology Expo**

Long Beach, California

For more information and to register, visit the [website](#).



**September 15-17, 2015**  
**North American Natural Gas Vehicle Conference**  
**& Expo**  
Denver, Colorado  
For more information and to register, visit the [website](#).



## Membership Information

*The Tampa Bay Clean Cities Coalition is a membership-based organization created to coordinate and promote the use of non-traditional and cleaner energy for transportation in the Tampa Bay region. The effort was launched in the summer of 2012 with financial and in-kind support from the Environmental Protection Commission of Hillsborough County, TECO Energy, the USF Patel College of Global Sustainability, and the USF Center for Urban Transportation Research. Tampa Bay Clean Cities works in concert with, and supports, the U.S. Department of Energy's Energy Efficiency and Renewable Energy Vehicle Technology Program - Clean Cities.*

### **Join the Tampa Bay Clean Cities Coalition!**

For information on joining, see the membership page by clicking [here](#). *The system accepts electronic checks and all major credit cards.*

For additional assistance, contact Jana Huss at [hussj@cutr.usf.edu](mailto:hussj@cutr.usf.edu) or 813-974-9779.

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