



Clean Fuel Newsletter

August 2012

www.CleanFuelPartnership.org

Upcoming Events

[Click Here for Upcoming Webinars](#)

2012 Conference on Freight

September 13-14, 2012,
Sandusky, OH

<http://www.ohiofreight.org/OCF.htm>

Hybrid, Electric, & Advanced Truck Users Forum National Conference & Expo

September 18-20, 2012
Charlotte, NC

www.htuf2012.org

GreenGov Symposium 2012

September 24-26,
Washington, D.C.

www.greengov2012.org/?CFIDy11266&CFTOKEN318347

High Horsepower Summit

Sept. 26-28, 2012
Houston, TX

<http://www.hhpsummit.com/>

NAFA Southern Regional Conference

October 14-16, 2012
Orange Beach, AL

Contact: (256)549-4705 or
gnoah@cityofgadsden.com

Greater Baton Rouge Clean Cities Odyssey Day

October 18, 2012
Baton Rouge

<http://www.nationalafvdayodyssey.org/>

CSX Repowers Locomotive with GenSet Engines: CSX Corporation, USEPA and the Clean Fuel Partnership are contributing to better air quality in Louisiana through a jointly funded GenSet ultra-low emission locomotive. Housed at CSX's Gentilly Yard in New Orleans, the GenSet uses technology that reduces carbon emissions by 25 percent and nitrogen oxide and particulate matter emissions by more than 80 percent. [Read More](#)



New Orleans Public Belt reduces Costs, Emissions with Idle Reduction Equipment- Saves close to \$500,000 in Fuel Costs: New Orleans Public Belt (NOPB) is reaping the benefits of retrofitting locomotives with idle reduction equipment to reduce their air emissions and fuel costs. [Read More](#)



US Dept. of Energy redesigns the Alternative Fuels Data Center (AFDC) Website: The AFDC recently celebrated its 20th anniversary and continues to be the premier online resource for alternative transportation information. "The AFDC takes a lot of the guesswork out of a fleet's efforts to implement new technologies, switch over to an alternative fuel, or employ other strategies to reduce its gasoline and diesel use," said national Clean Cities director Dennis Smith. [Read More](#)



SAVE THE DATE

PROPANE AUTOGAS ROADSHOW

Date: Thursday, October 25, 2012
Location: Regional Transportation Management Center
10 Veterans Blvd., New Orleans, 70124
Time: TBD
RSVP to: slcftp@norpc.org with "Propane Roadshow RSVP" in the Subject Line

10 VETERANS BOULEVARD · NEW ORLEANS, LA · 70124

SLCFP@NORPC.ORG · PHONE 504.483.8500

www.CleanFuelPartnership.org

Please Note: Webinar notices and upcoming conferences are provided for informational purposes only. Neither the Southeast Louisiana Clean Fuel Partnership nor the Regional Planning Commission is responsible for the information presented in the announcements, webinars, or conferences themselves. Please contact hosts for additional information on specific presentations.

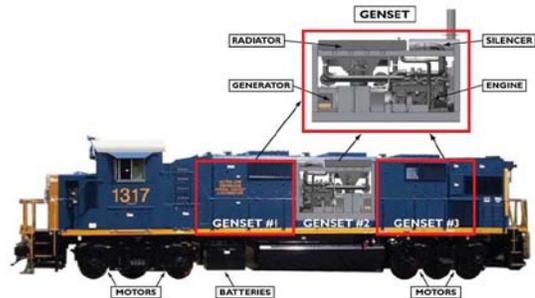


CSX Repowers Locomotive with GenSet Engine

CSX Corporation, the U.S. Environmental Protection Agency and the Clean Fuel Partnership are contributing to better air quality in Louisiana through a jointly-funded GenSet ultra-low emission locomotive. Housed at CSX’s Gentilly Yard in New Orleans, the GenSet uses technology that reduces carbon emissions by 25% and nitrogen oxide and particulate matter emissions by more than 80%. The new engine system is expected to save 15,000 gallons each year annually, with a projected annual cost savings of over \$50,000.



“This joint effort is a great example of public and private organizations working together to serve our communities,” said Carl Gerhardstein, Assistant Vice President, Environmental Systems and Sustainability, CSX. “CSX is committed to environmental stewardship, and this locomotive will contribute to our newly announced goal to reduce the company’s greenhouse gas emissions intensity by 6 to 8 percent by 2020. That, in turn, helps to improve air quality in the communities we serve.”



Switcher locomotives arrange train cars into longer chains that are then hauled by the long-distance locomotives to their destination. GenSet technology replaces the traditional large, single diesel engine with three small diesel engines, allowing the switcher locomotive to use only the energy it needs to pull its load. Monitoring technology takes the engines into “sleep” mode after a period of inactivity to conserve fuel and reduce emissions. Prior to the project, the locomotive operated with a single engine, originally manufactured in 1972, and therefore not subject to EPA regulation either when originally built or when remanufactured. The locomotive is now equipped with three smaller and cleaner engines certified to EPA Tier 3 ~~road~~ standards. Based on historical operating characteristics of the locomotive, CSXT anticipates realizing annual emission reductions of approximately 16.5 tons nitrogen oxide (NOx), 0.42 tons particulate matter (PM) and 170 tons carbon dioxide (CO2). Originally numbered 1555, after the repower the locomotive was assigned a new number, 1323, to designate its new technology.

The GenSet retrofitting process was partially funded through a grant awarded to the Regional Planning Commission’s (RPC’s) Clean Fuel Partnership by the U.S. Environmental Protection Agency’s National Clean Diesel Funding Assistance Program. CSX funded the remainder of the retrofit as part of the company’s commitment to fuel efficiency and emissions reduction.

Funding Source:	Amount:
EPA Clean Diesel Grant	\$1,045,125
CSXT Match	\$348,375
Total Project Amount:	\$1,393,500

Over the past decade, CSX has invested more than \$1.75 billion to upgrade its locomotive fleet, helping the company to improve fuel efficiency by 90 percent since 1980. In 2011, CSX was the only railroad named to the Carbon Performance Leadership Index by the not-for-profit Carbon Disclosure Project. More information about CSX’s environmental commitment is available on the company’s web site www.csx.com.



New Orleans Public Belt reduces Costs, Emissions with Idle Reduction Equipment Saves close to \$500,000 in Fuel Costs

New Orleans Public Belt (NOPB) is reaping the benefits of retrofitting locomotives with idle reduction equipment to reduce their air emissions and fuel costs. The idle reduction systems are estimated to reduce nitrogen oxide (NOx) emissions by 44%, particulate matter emissions by 90%, hydrocarbon emissions by 38% and carbon monoxide emissions by 75%. In 2010 and 2011 the new technology saved NOPB 156,845 gallons of fuel for an estimated cost savings of almost \$500,000. In addition to the direct fuel savings, the project also reduces maintenance costs by reducing idling which is detrimental to engines.



NOPB received approximately \$214,000 from Louisiana Department of Environmental Quality's (LDEQ's) Clean Diesel Program through the U.S. Environmental Protection Agency (EPA) and the American Recovery and Reinvestment Act (ARRA) to retrofit 7 locomotives with automatic start and shutdown systems. Four of NOPB's locomotives were retrofitted with the system previously; the grant funding allowed NOPB to install the fuel- and emissions-saving technology to the rest of their locomotive fleet. The system monitors the locomotive's operations and is programmed to shut down the locomotive when not in use. It also restarts the locomotive when certain parameters are met, such as if the engine water cools down, the onboard air pressure drops, or the battery level falls below predetermined levels. The system keeps the locomotives in a state of readiness while also reducing unnecessary engine idling. Smoke-free injectors were also installed on the locomotives to further reduce emissions.

Craig Hooks, Assistant Administrator for EPA's Office of Administration and Resources Management commented on the success of the project: "The idle reduction improvements supported by this award improve the air quality of local residents by dramatically reducing NOx and particulate emissions, save thousands of gallons of fuel for the operator and contribute to job creation. I thank the operators and the Louisiana Department of Environmental Quality for partnering on this truly green project which improves the lives of thousands of New Orleans citizens."



LDEQ Secretary Peggy Hatch also commended NOPB on their forward-thinking project: "The emission reductions from the NOPB project are a perfect example of voluntary emission reductions that will benefit the environment for many years. It's exciting to work with our federal partners at EPA and local partners like NOPB to achieve long-term environmental benefits."

The project was managed and installed by NOPB forces and was such a success that NOPB has been asked to present at several Environmental Protection Seminars throughout Louisiana. The Clean Fuel Partnership applauds NOPB for taking the lead in adopting innovative strategies to reduce fuel consumption and improve our air quality.



US Dept. of Energy redesigns the Alternative Fuels Data Center (AFDC) Website

The US Dept. of the Energy's [AFDC](http://www.afdc.energy.gov) website (www.afdc.energy.gov) recently celebrated its 20th anniversary and continues to be the premier online resource for alternative transportation information. "The AFDC takes a lot of the guesswork out of a fleet's efforts to implement new technologies, switch over to an alternative fuel, or employ other strategies to reduce its gasoline and diesel use," said national Clean Cities director Dennis Smith.



The ADFC redesign was largely based on stakeholder engagement and feedback. Below are the highlights of the redesign, which should help make your time at the AFDC more efficient and rewarding.

- **New and Updated Content:** Find newly updated technical content throughout the site, across all vehicles, fuels, and technologies. Also be sure to visit the entirely new [Conserve Fuel](#) section, which provides drivers and fleets with even more strategies to reduce fuel use.
- **Related Content:** As you're navigating through the site, you'll see that many pages feature related content on the right-hand side, with suggested maps, data, publications, case studies, and tools that can help you deploy the strategy or technology featured on a given page.
- **Mobile Web Design:** The new AFDC is available on all manner of devices and browsers, including desktops, tablets, e-readers, and smart phones. The site automatically adjusts to the device you're using, so most tools and all content pages work on your mobile devices.
- **Station Locator:** (<http://www.afdc.energy.gov/locator/stations/>) The Alternative Fueling Station Locator has a new, more user-friendly design and provides station counts on the spot.
- **Maps & Data:** (<http://www.afdc.energy.gov/data/>) The new Maps & Data section (formerly Data, Analysis, and Trends) allows you to view and customize data through interactive charts and graphics, and download chart images as well as data in a Microsoft Excel spreadsheet.
- **Case Studies:** (<http://www.afdc.energy.gov/case>) Formerly part of Fleet Experiences and Videos in the old AFDC, the Case Studies section is an expanded searchable collection of written and video case studies and success stories.
- **Ten Ways to Get Started:** (http://www.afdc.energy.gov/feature_ten.html) This new home page feature introduces the strategies, fuels, and technologies you can use to reduce petroleum use. It also points to key tools and information throughout the AFDC.

Article from the US Dept of Energy, Energy Efficiency & Renewable Energy's Federal Fleet Files – July/August 2012 edition.



Upcoming Industry Webinars:

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Fuel/ Technology: Propane**Host: Alliance Autogas, ROUSH CleanTech and GO Airport Express**

Date: Thursday, September 6, 2012

Time: 9:00 a.m. CST

Link to Register:

https://ternion.webex.com/mw0306ld/mywebex/default.do?service=1&siteurl=ternion&nomenu=true&main_url=%2Fmc0805ld%2Fe.do%3Fsiteurl%3Dternion%26AT%3DMI%26EventID%3D202944232%26UID%3D1475822247%26Host%3De535801d0b2e054104%26RG%3D1%26FrameSet%3D2

Fuel/ Technology: Propane**Host: Alliance Autogas, ROUSH CleanTech and King County, WA**

Date: Thursday, September 6, 2012

Time: 12:00 p.m. CST

Link to Register:

https://ternion.webex.com/mw0306ld/mywebex/default.do?service=1&siteurl=ternion&nomenu=true&main_url=%2Fmc0805ld%2Fe.do%3Fsiteurl%3Dternion%26AT%3DMI%26EventID%3D203277992%26UID%3D1477645432%26Host%3De155bd045c7c420010%26RG%3D1%26FrameSet%3D2

Fuel/ Technology: Biodiesel**Host: National Biodiesel Board**Topic: [Biodiesel Selling Points & Service Advisories for Dealers](#)

Date: Wednesday, August 29, 2012

Time: 12-1pm

Link to Register: <https://www1.gotomeeting.com/register/252588665>**Fuel/ Technology: Biodiesel****Host: National Biodiesel Board**Topic: [Key Biodiesel Industry Updates for Light Duty Vehicle Dealers & Drivers](#)

Date: Wednesday, September 12, 2012

Time: 12-1pm

Link to Register: <https://www1.gotomeeting.com/register/947886161>**Fuel/ Technology: Biodiesel****Host: National Biodiesel Board**Topic: [Voice of the Customer – Fleet Experience with Biodiesel](#)

Date: Tuesday, September 25, 2012

Time: 12-1pm

Link to Register: <https://www1.gotomeeting.com/register/660398281>