SOUTHEAST LOUISIANA CLEAN FUEL PARTNERSHIP

Celebrating 10 Years as a U.S. Department of Energy-Designated Clean Cities Coalition

Clean Fuel Newsletter

January 2019 Edition

Upcoming Events

Click Here for Upcoming Webinars!

Energy Independence Summit
February 11-13, 2019
Washington, D.C.
www.tep.sre.events

The Work Truck Show & Green Truck Summit
March 5-8, 2019
Indianapolis, IN
www.worktruckshow.com

Drive Electric Earth Day Events
April 1-30, 2019
Nationwide
www.driveelectricearthday.org

Advanced Clean Transportation Expo
April 23-26, 2019
Long Beach, CA
www.actexpo.com

Green Transportation Summit & Expo
May 21-23, 2019
Tacoma, WA
www.gtsummitexpo.socialenterprises.net

New Clean Cities Resources!

The 2018 Clean Fuels Summit Attracts 100+, Connects Delgado Motor Vehicle Tech Students, Local Fleet Managers, and Green Transportation Experts: The Southeast Louisiana Clean Fuel Partnership welcomed 100+ attendees to network and test-drive alternative fuel vehicles at the region's first Clean Fuels Summit event at NOLA Motorsports Park in Avondale. **Read More**

SLCFP Member Spotlight: John W. Stone Oil Distributor: By repowering tugboats and installing shore power at its docks, John W. Stone Oil Distributor (Stone Oil) topped the region's Clean Fleet Leader Award charts in 2018 with record-setting petroleum savings and greenhouse gas reductions – earning them a key to the City of Gretna! **Read More**

New Orleans EMS Sees Instant Fuel Savings with ZeroRPM Idle Mitigation Systems: In order to keep vital ambulance equipment protected (HVAC, interior/exterior lighting, life-support systems, communications equipment, narcotics, temperature-controlled compartments, etc.), it's normal for ambulance engines to remain idling during 12-hour shifts, leading to wasted fuel. NOLA EMS recognized the potential savings and teamed up with ZeroRPM and SLCFP to install anti-idling equipment in 16 ambulances. **Read More**

SLCFP Transitions to New Leadership

SLCFP Director, Courtney Young

On December 17th, the Regional Planning Commission (RPC) appointed Courtney Young to Director of the Southeast Louisiana Clean Fuel Partnership (SLCFP). Courtney joined the Coalition in 2014 through the U.S. Department of Energy Clean Cities University Workforce Development Program. In July 2018, she was designated Co-Coordinator and has played an integral role in jumpstarting Clean Cities projects with local fleets. As manager of the RPC's Clean Cities and Ozone Advance programs, she is devotedly working to improve quality of life and energy efficiency through strategic transportation planning and partnerships.

SLCFP would like to recognize and thank Rebecca Otte for her 11 years of service as its trailblazing Coordinator. Through her steadfast vision and collaboration with diverse stakeholder groups, Rebecca has been a driving force for introducing cleaner fuels and technologies into the New Orleans region. Rebecca's passion for environmental projects will continue as she embarks on her next role as the Brownfields Voluntary Remediation Program Manager with the Louisiana Department of Environmental Quality.

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SLCFP's Clean Fuels Summit Attracts 100+, Connects Delgado Motor Vehicle Tech Students, Local Fleet Managers, and Green Transportation Experts for Potential Projects

The Southeast Louisiana Clean Fuel Partnership (SLCFP) welcomed 100+ attendees to collaborate and test-drive alternative fuel vehicles at the region's first Clean Fuels Summit event at NOLA Motorsports Park in Avondale. Green transportation experts presented on the availability of domestically-produced alternative fuels, energy-efficient vehicles, and fuel-saving technologies that can help local fleets optimize their operations, reduce fuel and maintenance costs, and improve air quality.

Delgado Community College's Vice Chancellor for Workforce Development and Institutional Advancement, Arlanda Williams, highlights students and staff in their innovative Motor Vehicle Technology Program.

SLCFP and Delgado Community College's (DCC) Motor Vehicle Technology Program partnered together to provide students free attendance to connect face-to-face with local fleet personnel and industry leaders for insight and potential employment opportunities, as well as to be able to experience the latest advanced vehicles and technologies firsthand.

Students discuss specifications of the hybrid-electric F-250 truck with XL Fleet Electrification's Regional Sales Manager, Todd Stewart.

"We understand that the technicians we're training today are going to have to meet the trends of tomorrow," said DCC's Vice Chancellor for Workforce Development and Institutional Advancement, Arlanda Williams. "We're developing our students and our customized vehicle technology program to meet local fleet professionals right where they are to help them reach their efficiency goals for 2020 and beyond."

The Summit connected attendees with industry experts who actively work on clean fleet projects involving propane, natural gas, electricity, biodiesel, idle reduction, freight efficiency, and telematics. If you missed the event, speaker presentations are linked below to our website:

- ***Alternative Fuel Market Trends:*** National Renewable Energy Lab, Senior Transportation Market Analyst, Caley Johnson
- ***ROUSH CleanTech Overview:*** ROUSH CleanTech, Business Development Manager, Tom Hopkins
- ***The Opportunity for Natural Gas Vehicles:*** NGVAmerica, State Govt. Affairs Director, Sherrie Merrow
- ***Compressed Natural Gas as a Transportation Fuel:*** NGV Solutions, Vice President, Kent Meadows
- ***Louisiana Electric Vehicle Overview***: ChargePoint, South Central Sales Director, Dave Aasheim
- ***Electrification - Evolving Expectations:*** Solar Alternatives, Founder and President, Jeff Cantin
- ***Introducing XL: Driving Fleet Sustainability:*** XL Electrification, Regional Sales Manager, Todd Stewart
- ***Making ALL Trucks More Green:*** North American Council for Freight Efficiency (NACFE), Industry Engagement Director, Dave Schaller
- ***Louisiana Department of Environmental Quality's Clean Transportation Initiatives:*** LDEQ, Secretary, Dr. Chuck Carr Brown
- ***Ford's Advanced Fuel Options:*** Ford Motor Company, Government Sales Manager, Greg Dugan
- ***Advantages of Switching to Biodiesel:*** Renewable Energy Group, Sr. Marketing Manager, Troy Shoen
- ***Applying for Grants - Tips & Tricks for a Successful Application:*** Southeast Louisiana Clean Fuel Partnership, Director, Rebecca Otte

Many Thanks to All Vehicle Providers!

In addition to a wealth of education and technical sessions, attendees were able to test-drive a variety of clean and advanced, fuel-saving vehicles on the racetrack including:

- Jefferson Parish Transit's E-450 Propane Paratransit Van
- NGV Solutions' Compressed Natural Gas (CNG) F-150 Truck
- XL Fleet Electrification's Hybrid F-250 Truck
- Port of New Orleans' all-electric Nissan LEAF
- Limousine Livery's Tesla Model S
- Porsche's Panamera Plug-in Hybrid
- Westport's Disaster Resilient CNG F-150 Truck
- New Orleans EMS' ambulance equipped with idle-reduction technology and solar panels

The 2018 Clean Fuels Summit Alternative Fuel Vehicle Ride & Drive in action at NOLA Motorsports Park!

LDEQ Secretary Dr. Chuck Carr Brown

Louisiana Department of Environmental Quality (LDEQ) Secretary, Dr. Chuck Carr Brown, presented during lunch, sharing the agency's enthusiasm for the future of alternative fuel vehicles in the State. "To lead by example, we will soon acquire an electric vehicle of our own. As an agency, we want to be a part of the charge leading Louisiana's infrastructure, marketplace, and citizens to a brighter future."

SLCFP hosted the event in conjunction with NOLA Motorsports Park, the U.S. Dept. of Energy, Louisiana Department of Natural Resources, the New Orleans Regional Planning Commission, and LDEQ. SLCFP would like to give a special thank you to event Sponsors for providing generous support and for their continued partnerships: Delgado Community College, Renewable Energy Group (REG), GPS Insight, Propane Education and Research Council (PERC), NGV Solutions, XL Fleet Electrification, ROUSH CleanTech, ChargePoint, and Westport Fuel Systems. For more information, please visit the Clean Fuels Summit page on our website.

Thank You to All of the 2018 Clean Fuels Summit Participants!

SLCFP Member Spotlight: John W. Stone Oil Distributor

By repowering tugboats and installing shore power at its docks, John W. Stone Oil Distributor (Stone Oil) topped the region's Clean Fleet Leader Award charts in 2018 with record-setting petroleum savings and greenhouse gas reductions – earning them a Key to the City of Gretna!

SLCFP presents Stone Oil's Chief Operating Officer, Anthony Odak, with a Clean Fleet Leader Award in July 2018.

SLCFP and the Regional Planning Commission presented Stone Oil with its first Clean Fleet Leader Award in July 2018 for the company's environmental endeavors achieved in 2017, which included reducing their fleet's petroleum consumption by 1,066,466 gasoline gallons equivalent (GGE) and preventing 13,224 tons of greenhouse gas emissions (GHG) into the environment. To achieve these massive reductions, Stone Oil established a two-fold plan that consisted of: 1) replacing 16 older tugboat engines with more efficient models and 2) installing shore electric power for the same 16 tugboats to use at their docks in Gretna.

The engine upgrades helped reduce 3,416 GGEs per day in 2017! "We have been able to show marked improvements in diesel savings, which in turn translates in reduction in GHG," said Stone Oil's Chief Operating Officer, Anthony Odak. Stone Oil was originally interested in utilizing U.S. EPA's Diesel Emissions Reduction Act (DERA/Clean Diesel) funding to repower the older tugboat engines but decided to move forward with the project using their own funding after recognizing the amount of money that would be saved from the reduced fuel consumption. Odak stated, "Stone Oil takes great pride in making the investments to reduce our carbon footprint while still having a positive impact on our balance sheet."

A tugboat connects to shore power at Stone Oil's dock in Gretna.

Stone Oil also installed shore electric power at six of its docks in Gretna, LA. When docked, a traditional tugboat maintains power on the vessel by idling its engine or using on-deck generators. By utilizing shore power, the vessels can use electricity from the shore for power instead of idling the engine. This enables customers to connect their vessel to "shore power" while other operations are taking place. The technology also offers a non-generator means of emergency power for longer term storage of a vessel. Approximately, 16 boats use the shore power in Gretna for 4-6 hours per day, leading to the reduction of greenhouse gas emissions as well as noise pollution caused by usual engine idling. In recognition of this feat, the Gretna City Council presented a "Key to the City of Gretna" to Stone Oil's President John "Johnny" Stone Jr. on September 12, 2018.

The Gretna City Council presents a "Key to the City of Gretna" to Stone Oil's President John "Johnny" Stone Jr. on September 12, 2018.

"The upgrade of the fleets' main propulsion diesel engines as well as auxiliary diesel driven generators, and pump engines have made a tremendous difference to us," said Odak. "We will continue on the path of upgrading the fleet of vessels and continue to evaluate other opportunities for not only ourselves but our customers."

For more information on Stone Oil, please visit their website at www.stoneoil.com.

New Orleans EMS Sees Instant Fuel Savings with ZeroRPM Idle Mitigation Systems

SLCFP's Rebecca Otte and NOLA EMS' Deputy Chief of Special Operations and Logistics Cedric Palmisano received recognition from the U.S. Dept. of Energy for their project collaboration with ZeroRPM.

In order to keep vital ambulance equipment protected (HVAC, interior/exterior lighting, communications equipment, batteries, narcotics, life-support systems, temperature-controlled compartments, etc.), it's normal for ambulance engines to remain idling during 12-hour shifts, leading to wasted fuel. New Orleans Emergency Medical Services (NOLA EMS) recognized the potential savings and teamed up with ZeroRPM and SLCFP to install anti-idling equipment in 16 ambulances.

Idling a service vehicle's engine for four hours a day wastes approximately 7,300 gallons of fuel over five years. That's equivalent to 384 barrels of crude oil and 60 tons of carbon dioxide emissions! ZeroRPM's Idle Mitigation System (IMS) allows vehicles to idle without running the engine by switching the power source from the engine to an onboard battery when the vehicle is in park. The IMS controller automatically stops the engine when idle time reaches one minute and restarts the engine based on voltage and current. ZeroRPM applications for ambulances include a custom cooling system that ensures the cab and rear cabin remain at a constant temperature while optional roof-mounted solar panels can power internal equipment.

To make the transition toward a greener fleet, NOLA EMS applied for Congestion Mitigation and Air Quality (CMAQ) funding via SLCFP's Clean Fuel Transition Fund for Public Fleets. "We found this unique funding opportunity online when we were looking for ways to extend the life of our fleet and to reduce fuel cost," said NOLA EMS' Deputy Chief of Special Operations and Logistics, Cedric Palmisano. "The reduction of greenhouse gases was an added bonus which is line with the City's Green City Initiative."

Since the first system installation in June 2018 through December 2018, NOLA EMS has saved approximately $11,000 in fuel costs, 3,630 gallons of fuel, and 3,820 hours of engine idling, equating to the reduction of over 40 tons of emissions! Looking forward, Palmisano projects they will save almost $60,000 a year in fuel costs with the current 16 systems installed. In addition, the fleet's preventive maintenance (PM) costs will decrease since ambulance PM costs are based on engine hours not mileage. "We project that ZeroRPM will reduce engine hours by approximately 1,200 hours per ambulance per year, helping to reduce the frequency of preventive maintenance and to increase the life of our ambulances by perhaps two or three years," said Palmisano.

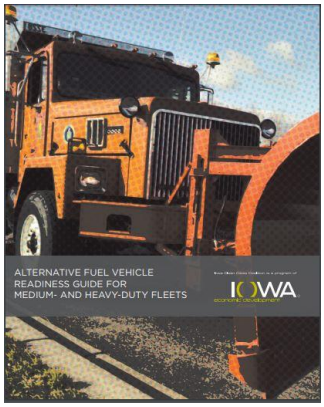
NOLA EMS featured an ambulance with newly equipped ZeroRPM IMS at the 2018 Clean Fuels Summit.

Looking forward, NOLA EMS would like to continue installing the technology into new ambulances and/or older ambulances as they get rechassised, provided budgetary funds were available. "ZeroRPM is a unique system and their staff are very knowledgeable and helpful," noted Palmisano. To learn more about ZeroRPM Idle Mitigation Systems, please visit their website at: http://www.zerorpm.com.

New Clean Cities Resources Available!

Plug-In Electric Vehicle Readiness Toolkit

A new Plug-In Electric Vehicle Readiness page on the Alternative Fuels Data Center provides resources to help communities plan for the arrival of plug-in electric vehicles (PEVs) and PEV charging. As local and regional leaders know, PEV readiness is a community-wide effort requiring planning, charging infrastructure, policies, and support services. This toolkit of resources replaces the Plug-In Electric Vehicle Readiness Scorecard tool and provides more recent examples of projects and plans.



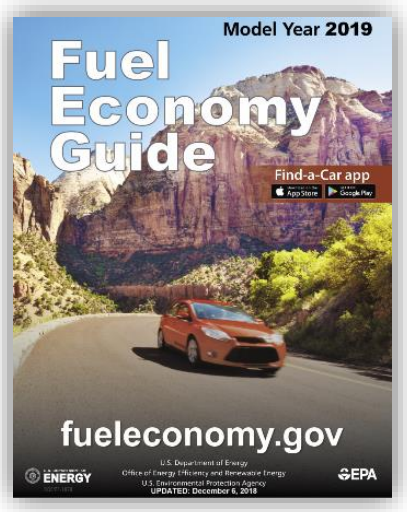
Alternative Fuel Vehicle Readiness Guide for Medium & Heavy Duty Fleets

Iowa Clean Cities recently released an Alternative Fuel Vehicle Readiness Guide for Medium- and Heavy-Duty Fleets. The guide was designed with fleets in mind to help make the transition to alternative fuels manageable and safe while avoiding mistakes that can occur in the absence of guidance. It covers topics to consider and checklists to review when taking on alternative fuel projects. This is a great resource for organizations interested in funding from the Volkswagen Settlement Environmental Mitigation Trust or EPA's Clean Diesel Program (Diesel Emission Reduction Act funding). Coalitions are welcome to share this document with stakeholders.

Model Year 2019 Fuel Economy Guide

The U.S. Environmental Protection Agency (EPA) and U.S. Department of Energy (DOE) produce the Fuel Economy Guide to help car buyers choose the most fuel-efficient vehicle that meets their needs. Most vehicles in this guide (other than plug-in hybrids) have three fuel economy estimates: city, highway, and combined. Estimates for all vehicles are based on laboratory testing under standardized conditions to allow for fair comparisons. This guide also provides annual fuel cost estimates, rounded to the nearest $50, for each vehicle. To personalize your fuel costs based on current fuel prices and driving habits, please visit FuelEconomy.gov.

In addition, FuelEconomy.gov's Find-a-Car app is available for download in the App Store or Google Play. This app allows you to scan QR codes on window stickers while you are shopping to quickly compare vehicles you are considering!



The Southeast Louisiana Clean Fuel Partnership is part of a network of almost 100 US Department of Energy-designated Clean Cities Coalitions nationwide. We provide education, technical assistance, funding information and other services to assist vehicle fleet managers and personnel incorporate cleaner transportation options into their operations. For additional information on cleaner transportation options, please visit the U.S. Department of Energy's Alternative Fuels Data Center and Clean Cities websites.

Clean Cities
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