



Clean Fuels for the Holidays

In this holiday issue, we highlight model year 2019 CNG and LPG offerings through the Ford QVM program, look at how Colorado Governor-elect Polis could impact the use of clean vehicles, how GreenRide is adopting LPG fuels in its new shuttle buses, plus a number of news briefs and upcoming events.

- Featured Stories -



Model Year 2019 Ford QVM Offerings for CNG and LPG

The new vehicle season holds much promise for fleets planning to purchase CNG and LPG vehicles, especially Ford vehicles. We are hopeful that General Motors will soon clarify which vehicle platforms will be available with their LC8 6.0L gaseous fuel prep engine for model year (MY) 2019, as of this writing we are waiting on details and will publish those on our [website](#) when available. Meanwhile, Ford continues its tradition of providing the largest OEM suite of CNG and



Redmark
VEHICLE SERVICES
Ford QVM MY 2019

CNG SERVICES

Ford Gaseous-Fuel Prep QVM Installations

CNG **LPG**

Redmark is a Ford Qualified Vehicle Modifier (QVM) program partner for CNG and LPG fuel system installations. We are among a limited number of Ford QVM installers in the US.

Fleet Experience

Order your CNG or LPG vehicle through select Rocky Mountain Region Ford dealers, or through the Ford Dealer of your choice using our National Drop Ship Program. Ford produces vehicles with a Gaseous-Fuel Prep Package, and Redmark installs the natural gas fuel system at its QVM facility. Once the final manufacturing stage is complete, we deliver your vehicles on time and ready for work to the Ford dealer.

Ford maintains the engine and powertrain limited warranty for the vehicle and Redmark maintains the warranty for QVM fuel system components. Ford dealers are trained and supported by Ford and Redmark to provide all of your warranty and other service needs.

Each Ford CNG or LPG vehicle produced at Redmark goes through the same detailed quality control procedures as required for all Ford QVM products. All components and their installation procedures meet applicable codes and standards. Such as EPA, FMVSS, Ford Q-186, and NFPA-52.

The Ford QVM Difference

More vehicles. Some vehicle manufacturers offer one, or just a few, natural gas fuel platforms or engine types. In contrast, Ford offers CNG and LPG vehicles that range from Ford Transit Connect to F-Series trucks, Transit vans, and chassis cabs to medium-duty trucks.

More CNG & LPG fuel systems. Redmark offers multiple fuel systems from Ford QVM developers (Landi Renzo, Altech-Eco and Plazati). We help you determine which technology's features and benefits are best for your vehicle.

More customization. From fuel tank configurations to durable covers and filtration options, Redmark has the expertise and know-how to deliver built-to-spec vehicles to meet your specific fleet needs.

Customer Satisfaction

Redmark's fleet service is a proven leader in the industry. Redmark's fleet service is a proven leader in the industry. Redmark's fleet service is a proven leader in the industry.



LPG vehicles through its Qualified Vehicle Modifier (QVM) program. The QVM program is a combination of Ford approved QVM developers such as Altech-Eco and Landi Renzo and QVM installers such as Redmark. The State of Colorado is offering additional grants to help offset the incremental cost of these vehicles and we have an update on those grants in our News Brief section below.

The Ford platforms available with Ford gaseous fuel prep engines include Transit, various E-Series chassis/cutaway options, F-150 trucks, Super Duty trucks (F-250/350), F-Series medium-duty chassis cab, and F-53/F-57 stripped chassis. Across these platforms the available gaseous fuel engines include the 3.7L, 5.0L, 6.2L, and 6.8L. As always, fleets can order their favorite platform with a gaseous prep engine and identify their QVM installer of choice when ordering through their local Ford dealer. For a complete listing of purchase options the Redmark MY 2019 Ford vehicle offerings brochure is available [here](#). Also, for more information about select commercial fleet Ford dealers in Colorado that are ready to support your MY 2019 CNG and LPG needs, see our listing [here](#). Order deadlines look to be generous from Ford for MY 2019 with F-150 and Super Duty trucks targeted for late summer 2019 and other platform order windows occurring at normal intervals next year. Note that MY 2019 may be the last year for the 5.0L engine so now is a great time to get your orders into your Ford dealer.

Governor-elect Polis Could Transform Clean Vehicle Use in Colorado

Next month Colorado will embrace Congressman Jared Polis as its next governor. Governor-elect Polis was clear during his campaign that Colorado's power generation sector could become 100% renewable by 2040. However, to make this a reality, the innovation community in Colorado and elsewhere will need to first develop cost-effective energy storage technologies and seek sustainable pathways for the life cycle of necessary materials (such as cobalt). Evolving toward cleaner energy for power generation is only part of the equation for a sustainable planet, another key part is addressing clean fuels for the transportation section. The Governor-elect appears to be a big proponent of electric and other forms of clean vehicle transportation such as hydrogen and renewable natural gas (RNG). He could work with leaders in Colorado's transportation sector to develop policies that promote aggressive adoption of clean vehicles through incentive-based efforts. This effort could begin by demonstrating State leadership in this area, by encouraging the new cabinet members to select clean fuel vehicles, that

would include a large number of clean fuel vehicles among the roughly 700 new vehicles purchased by the State each year.



Colorado has been a leader in the adoption of clean energy technologies for many years. The power generation sector was one of the first in the nation to meet aggressive renewable portfolio standards set by the State through a combination of variable solar and wind energy to complement the increased use of cleaner natural gas for base-load power. In the vehicle fuels sector, Colorado has also been a leader by offering tax credits and grants for clean fuel vehicle purchases and fueling/charging infrastructure construction. But more will need to be done if the state is to continue to be a leader. For example, an incentive-based renewable fuel standard for the transportation sector has been missing. As a possible follow-on program to the State's adoption of the CA LEV program (see News Brief story below), the new governor could consider adopting the California Low Carbon Fuel Standard (LCFS) program. This is a credit trading program that helps promote the use of municipal waste-water, landfill, agriculture and other sources of bio-waste for conversion to RNG. The combination of RNG with new ultra low emission natural gas engines such as those offered by [Cummins](#) has shown criteria and greenhouse gas emissions similar to those for [electric vehicles](#).



GreenRide (GR) Adds LPG Shuttle Buses to its Fleet

Have you ever wanted to avoid the hassle of driving to DIA for your next trip? GreenRide, a division of Groome Transportation, has the solution. The company offers daily shuttle transport between various Front Range locations and DIA. Combining travelers' ground transportation trips reduces fuel use and emissions, and the company believes it can do more to add to its already "green" culture, which includes efficient routing and precise logistics.



Recently, GreenRide upfit several of its new shuttle buses to operate on LPG, and Redmark is supporting its use of these vehicles. The LPG fuel technology was provided by [Blossman Gas](#) and GreenRide has reported positive early operating results. To learn more about GreenRide's shuttle program, check out their website [here](#).



CNG SERVICES

- News Brief -



RAQC Opens Next Round of ALT Fuels Colorado Grants

The Regional Air Quality Council (RAQC) recently opened another grant funding opportunity for purchases of alternative fuel vehicles. The funding for this round of grants includes both the new VW Settlement Funding program (Class 4 and above) and the ongoing CMAQ grant funding program (not limited by vehicle size nor a requirement for mono-fuel operation). This funding round opened on December 3rd and closes January 11th. Generally, the RAQC opens a funding round three times each calendar year, all associated with the ALT Fuels Colorado program. Additionally, the Noble Energy School bus program partners with ALT Fuels Colorado to provide additional funds for school districts that purchase CNG buses. More information can be found at the [Clean Air Fleets website](#).

An important issue will be facing future funding rounds for any of the metropolitan planning organizations, councils of government, RAQC and other State programs that rely on federal Congestion Mitigation Air Quality (CMAQ) funds for clean fuel vehicle grants. This issue is the lack of processing by the Federal Highway Administration (FHWA) for Buy America waivers that are required by any fleet that purchases clean fuel vehicles under a CMAQ funded program in any state. These waivers are necessary because no fleet vehicles are available with 100% US content of materials and parts due to the global nature of automotive vehicle production. The fix for this problem, which began in 2017, may be for some members of the

Colorado Congressional Delegation to add a provision to an upcoming bill in Congress to require that the FHWA resume the practice of processing Buy America waivers for states like Colorado. If you would like to support this effort, please contact [Sheble McConnellogue](#) of the [Northern Colorado Clean Cities Program](#) or [Sherrie Merrow](#) of [NGVAmerica](#).



Ford QVM Presentation at NGVA 30th Annual Conference

As reported in the [Special Edition Redmark E-News](#) in November, Alex Jowa traveled to Palm Springs, California, to make a presentation at the 30th annual NGVAmerica conference. His presentation included updates from Ford Motor Company about their MY 2019 CNG vehicle offerings via the Ford QVM program and details about how the QVM program delivers high-quality clean fuel vehicles to fleets nationwide. His presentation was well received by the attendees of the conference who appreciated that Ford sent a representative to discuss their MY 2019 offerings by QVM installers like Redmark. More information about the Ford QVM program, which is part of the Ford alternative fuels initiative, can be found at [this website](#).



CNGVC Launches RNG Coalition

Recently, Sherrie Merrow of NGVAmerica and representatives of the Colorado Energy Office reestablished the Colorado Natural Gas Vehicle Coalition (CNGVC), a local organization that promotes the use of natural gas as a transportation fuel for the benefit of fleets and Colorado citizens. As part of the CNGVC

activities, an effort is underway to develop a related effort for the use of RNG (see the Featured Story above). Bringing renewable attributes to CNG can further lower the greenhouse gas footprint of natural gas vehicles and generate benefits to municipalities, farmers, and others that can turn their bio-waste into clean fuels. For more information about the CNGVC and the RNG efforts, please contact: smerrow@ngvamerica.org.



Colorado Adopts California Low Emission Vehicle Program

In an effort to provide Colorado with the ability to maintain low emission vehicle standards regardless of US Environmental Protection Agency (EPA) actions, the Colorado Air Quality Commission (AQCC) approved adoption of the California Low Emission Vehicle Program (CA LEV) in November 2018. This means that starting with model year 2022 light-duty and medium-duty vehicles must meet the CA LEV standards, which may be tighter than what would otherwise be required by EPA. The industry trade association NGVAmerica and Redmark have asked the AQCC to clarify that new and aftermarket alternative fuel vehicles are not required to be certified by the California Air Resources Board but can rely on EPA certification in keeping with how other states that have adopted CA LEV are addressing this issue. To-date, no guidance on this issue has been provided by the AQCC or its administering agency, the Colorado Department of Public Health and Environment.

Read the article about Colorado's adoption of CA LEV on the [Colorado Public Radio website](#).

For more information about the new CA LEV

program, contact the Colorado Department of Health and Environment at [their website](#).

- Tank Inspection Service Special -



Right now customers get 15% off their total invoice for all CNG tank/vessel inspections and repairs

Offer valid through 1/31/2019

- Redmark Calendar -



CNG SERVICES

KEY NATIONAL EVENTS

February

5 - 6

**Natural Gas Vehicle Technology Forum
Annual Meeting 2019**

February

11-13

Energy Independence Summit 2019

March

5 - 8

**The Work Truck Show - 2019
&
Green Truck Summit and Fleet Technical
Congress**

Presented by NTEA

April

15-17

NAFA Institute & Expo 2019

April

23-26

**Advanced Clean Transportation (ACT) Expo
2019**

KEY REGIONAL EVENTS

January

29

Colorado Natural Gas Vehicle Coalition (CNGVC) - Quarterly Meeting

Contact [Sherrie Merrow](#) for further details

Click [here](#) for the CNGVC website

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