

# Knight Transportation, Cummins, and Clean Energy Demonstrate Potential of Ultra-Low Carbon Fuel Through Cummins X15N Natural Gas Powertrains in California

PHOENIX--(BUSINESS WIRE)-- Phoenix, Arizona-based, Knight Transportation, Inc. (NYSE:KNX) ("Knight"), part of Knight-Swift Transportation Holdings Inc. (Knight-Swift) and the industry's largest full truckload company, has been successfully testing Cummins' (NYSE:CMI) new X15N natural gas engine in Southern California – realizing NOx and greenhouse gas reductions without compromise to performance.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20230928618128/en/>



The truck is fueled exclusively with Clean Energy Fuels Corp. (NASDAQ: [CLNE](#)) ultra-low carbon [Renewable Natural Gas](#) (RNG) anchored by Clean Energy's station in Carson, California.

“Our customers rely on us to deliver a wide range of loads critical to their businesses,” said Dave Williams, Knight-Swift Transportation's Senior Vice President of Equipment and Government

Knight Transportation, Cummins, and Clean Energy Demonstrate Potential of Ultra-Low Carbon Fuel Through Cummins X15N Natural Gas Powertrains in California (Photo: Business Wire)

Relations. “We must ensure we are utilizing the most reliable and efficient technologies possible that help us reduce our carbon footprint,” Williams continued. Knight Swift's goal is to reduce CO<sub>2</sub> emissions generated from the KNX fleet by 50 percent by 2035. “We value our collaboration with Cummins and are encouraged by what we have seen so far with the 15L renewable natural gas technology. We will continue to work together to make sure that the capabilities and economics associated with this technology allow us to meet the wide-ranging needs of our fleet.”

Coming to market in 2024, the Cummins X15N natural gas engine delivers diesel-like ratings as well as durability and reliability to allow fleets to significantly reduce their carbon footprint without sacrificing capability. The X15N offers the industry a solution toward achieving their sustainability goals, including the ability to run on renewable natural gas.

“Arizonans understand how critical equipment costs are to running a business. Renewable natural gas is something we can utilize now with very measurable benefits to both the environment and the economy. This investment will help Arizona truckers adopt low-cost advanced technology,” said Congresswoman Debbie Lesko, who represents Arizona’s 8th Congressional District and serves on the U.S. House Committee on Energy and Commerce.

“We create negative carbon intensity RNG by trapping methane at its biogenic source, preventing it from escaping to atmosphere, and turning it into transportation grade renewable fuel. This results in Clean Energy’s negative carbon intensity RNG that we supply to Clean Energy stations throughout California,” said Clean Energy Vice President Derek Turbide.

“Our relationship with the Knight Transportation family goes back more than 30 years with a rich history of partnering through field tests of new technologies and features. The feedback in the development process is invaluable to the products long-term success for our customers. The suite of integrated Cummins technologies used on these trucks from engine, aftertreatment, and fuel storage to transmission, axles and the digital features that pull them all together in their most optimized form demonstrates the value of our next generation of product to our customers,” said José Samperio, Vice President North American On-Highway Business, Cummins Inc.

The field testing with Knight-Swift will continue through full production of the X15N powertrain in 2024.

### **About Cummins Inc.**

Cummins Inc., a global power technology leader, is a corporation of complementary business segments that design, manufacture, distribute and service a broad portfolio of power solutions. The company’s products range from internal combustion, electric and hybrid integrated power solutions to components including filtration, aftertreatment, turbochargers, fuel systems, controls systems, air handling systems, automated transmissions, electric power generation systems, microgrid controls, batteries, electrolyzers and fuel cell products. Headquartered in Columbus, Indiana (U.S.), since its founding in 1919, Cummins employs approximately 73,600 people committed to powering a more prosperous world through three global corporate responsibility priorities critical to healthy communities: education, environment and equality of opportunity. Cummins serves its customers online, through a network of company-owned and independent distributor locations, and through thousands of dealer locations worldwide and earned about \$2.2 billion on sales of \$28.1 billion in 2022.

### **About Clean Energy**

Clean Energy Fuels Corp. is the country’s largest provider of the cleanest fuel for the transportation market. Our mission is to decarbonize transportation through the development and delivery of [renewable natural gas](#) (RNG), a sustainable fuel derived from organic waste. Clean Energy allows thousands of vehicles, from airport shuttles to city buses to waste and

heavy-duty trucks, to reduce their amount of climate-harming greenhouse gas. We operate a vast [network](#) of fueling stations across the U.S. and Canada. Visit [www.cleanenergyfuels.com](http://www.cleanenergyfuels.com) and follow [@ce\\_renewables](#) on Twitter.

## **About Knight Swift**

Knight-Swift Transportation Holdings Inc. is one of North America's largest and most diversified freight transportation companies, providing multiple truckload transportation and logistics services, as well as LTL services. Knight-Swift uses a nationwide network of business units and terminals in the United States and Mexico to serve customers throughout North America. In addition to operating the country's largest tractor fleet, Knight-Swift also contracts with third-party equipment providers to provide a broad range of truckload services to our customers while creating quality driving jobs for our driving associates and successful business opportunities for independent contractors.

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