



Natural Gas Vehicles for America

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## MEDIA RELEASE

Advocating the increasing use of NGVs where they benefit most.  
For the economy. For the environment. For health. For security. **For America.**

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### **CVEF Issues Technical Bulletin on Temperature Compensation**

ACWORTH, GEORGIA — The Clean Vehicle Education Foundation (CVEF) has issued *Reliable Temperature Compensation Is Critical to CNG Vehicle Safety*, a technical bulletin that addresses the potential hazards created by the failure of compressed natural gas (CNG) dispensers to accurately compensate for temperature. Proper temperature compensation is essential to safely fuel CNG vehicles, regardless of station type, as serious incidents have resulted from the overfilling of CNG containers at both fast-fill and time-fill facilities.

The bulletin makes three recommendations:

1. Station operators should contact their fast- and time-fill dispenser suppliers to make sure they have—and are using—the latest set of written instructions and maintenance schedules as required in NFPA 52-2013.
2. Station operators should schedule annual temperature and pressure calibrations and function checks in early fall to allow time for any needed corrective action before winter temperatures.
3. Station operators should also ask their dispenser suppliers whether existing dispensers comply with the requirements of NFPA 52-2013.

The bulletin explains that limiting the maximum pressure in the cylinder is not as simple as limiting the pressure dispensed to the vehicle. The temperature of the gas in a CNG container may increase *after fueling* if the temperature of the environment increases before the fuel is used. This may occur with warming outdoor

temperatures or when parking indoors. In these situations, there is the possibility of the pressure actuated PRD used on some vehicles to rupture and vent down the cylinder if temperature was not properly compensated for during fueling. This issue is especially important to address prior to the cold temperatures many parts of the country experience during winter months.

“Although natural gas stations continue to provide safe and reliable fueling, it is important to continuously identify and correct all possible safety issues,” said Doug Horne, president of CVEF. “Because temperature compensation during fueling is especially critical with winter temperatures, we have issued this technical bulletin now to give station operators time to make any necessary adjustments or improvements prior to winter.”

The bulletin is available on the CVEF website here: [www.cleanvehicle.org](http://www.cleanvehicle.org).

#### **About CVEF**

CVEF is a non-profit national organization whose mission is to build awareness for—and foster safe use of—natural gas- and other alternative-fuel-powered vehicles and related station and facility infrastructure through education, codes and standards development, market and technology assessment, and technical advisory services. CVEF works collaboratively with representatives from industry, government, academia, customers and other regional/state alt-fuel-oriented organizations to achieve its goals and objectives.

#### **About NGVAmerica**

NGVAmerica is a national organization dedicated to the development of a growing, profitable, and sustainable market for vehicles powered by natural gas or biomethane. NGVAmerica represents more than 200 companies, environmental groups, and government organizations interested in the promotion and use of natural gas and biomethane as transportation fuels. Our member companies are those that produce, distribute, and market natural gas and biomethane across the country; manufacture and service natural gas vehicles, engines, and equipment; and operate fleets powered by clean-burning gaseous fuels. For more information about NGVAmerica, visit [www.ngvamerica.org](http://www.ngvamerica.org).