

# NGVAMERICA

Natural Gas Vehicles for America

[www.ngvamerica.org](http://www.ngvamerica.org)



advocate | educate | collaborate





## Advancing North America's transition to cost effective net-zero transit and transport.

Natural gas vehicles are the #1 most sustainable, proven, and affordable alternative fuel medium- and heavy-duty option on the road today.

Zero emissions equivalent, natural gas engines can be carbon-neutral, even negative, depending on their fuel source. And with tested technology, a mature refueling infrastructure, and advanced network of experienced service providers coast-to-coast, natural gas is commercially ready now to transform our transportation sector.

After thirty-plus years of design and improvement, natural gas vehicles are the most cost-effective, responsible way to achieve carbon zero transportation immediately.





# Our 2020 Priorities >

## ADVOCATE FOR CLEAN AIR AND STEEP CARBON REDUCTIONS

- ▶ Protect consumer choice in clean transportation options to preserve and expand the use of geologic and renewable natural gas as a transportation fuel
- ▶ Incentivize the use of natural gas as a transportation fuel and assist in the upgrading of fleets to clean natural gas technologies
- ▶ Gain legislative and regulatory parity for natural gas and renewable natural gas (RNG) and their use in transportation, advancing policies to deploy more NGVs and replace older, aging diesel fleets
- ▶ Advance a long-term Alternative Fuels Tax Credit (AFTC) extension to incentivize the transition of more fleets to low/no carbon, zero emissions equivalent natural gas engines
- ▶ Advocate for advancement of NGVAmerica-led H.R. 5089, an AFTC extension bill by Reps. Fletcher (TX) and Mullin (OK)
- ▶ Achieve inland waterway marine fueling parity through passage of S. 1774, the Waterway LNG Parity Act
- ▶ Secure relief on the Federal Excise Tax (FET) for heavy-duty trucks which disproportionately impacts new, cleaner natural gas trucks
- ▶ Influence the development of the U.S. Environmental Protection Agency's Cleaner Trucks Initiative to incorporate a comprehensive list of policies that will ensure new, cleaner trucks are deployed faster, smarter, and more affordably with performance-based measures that target cost-effective emissions solutions like natural gas
- ▶ Promote the build out of additional RNG production and accessible refueling infrastructure
- ▶ Obtain regulatory parity for natural gas technology in the EPA/NHTSA SAFE Rulemaking on light-duty vehicles; if incentives are extended, NGVs should receive such incentives — including sales multipliers and favorable greenhouse gas facts — currently reserved only for electric vehicle technology

## LEAD ON KEY TECHNOLOGY & SAFETY ISSUES

- ▶ Develop industry-supported, common sense natural gas storage and transportation best practices through committees and working groups, assisting in the promotion, education, and adoption of these standards within the industry
- ▶ Lead on innovative technologies through our Mobile Pipeline Working Group, identifying new technical challenges and legislative opportunities
- ▶ Continue comprehensive incident investigation and root case analysis programs when on-road accidents or rare equipment failures occur to improve safety and system reliability
- ▶ Advance the high horsepower LNG transition in marine, rail, and mining applications
- ▶ Address regulatory hurdles to the movement of natural gas in transportation
- ▶ Collaborate with NHTSA to finalize revisions to CNG cylinder inspection label requirements contained in FMVSS 304
- ▶ Represent NGV industry interests on relevant standard development committees for CSA, NFPA, PEI, ASTM, SAE, and ISO

## VOICE OF A STRONG INDUSTRY

- ▶ Propel a fact-based discussion on the beneficial role of natural gas in our clean transportation future
- ▶ Convene industry leaders and interface with key stakeholders, influencers, and policymakers at every level of government
- ▶ Grow presence in Washington, DC and key state capitals
- ▶ Build on last year's Clean Fleet Month promotions in Fall 2020; offer digital advertising opportunities to industry stakeholders
- ▶ Expand NGV industry promotion activities, supported by our interactive website at [ngvamerica.org](http://ngvamerica.org), weekly newsletter, targeted online industry promotion, policymaker emails, online webinars, social media posts, and digital advertising campaigns

## WRITE THE NEXT CHAPTER IN SUSTAINABLE TRANSPORTATION

- ▶ Guarantee that natural gas remains a viable, affordable, and profitable option among the collection of transportation powertrain choices
- ▶ Ensure that the natural gas solution is treated fairly and included in developing clean transportation and climate initiatives
- ▶ Achieve parity for natural gas in federal and state incentive policies such as tax credits, infrastructure grants, RD&D investment opportunities, and public private partnerships
- ▶ Expand public investment in improving air quality, expanding clean transportation access and developing more resilient low carbon transportation opportunities through expanded NGV deployment
- ▶ Build coalitions of practical, economically responsible clean transportation advocates, investors, and fleet users

# Building on 2019 Successes ▶

▶ Championed a **three-year extension of the \$0.50/gallon Alternative Fuels Tax Credit (AFTC)** for natural gas motor vehicle fuel through 2020; the Alternative Fuels Refueling Infrastructure Property Credit also was also extended for three years

▶ Convened a multi-fuel industry stakeholder coalition in support of an AFTC extension

▶ Secured AFTC extension language in multiple clean energy and economy legislative proposals, including the 2019 GREEN Act discussion draft, the Chairman Neal Tax Extender Package (H.R. 3301), and Sens. Grassley and Wyden Tax Extender Package (S. 617)

▶ Advocated for release of NHTSA proposed rulemaking to change NGV fuel system inspection labeling; submitted comments and coordinated supporting comments with other trade allies

▶ Organized stakeholders to communicate with the Administration on the importance of Buy America

▶ Completed FHWA weight allowance guidance clarification, building upon NGVAmerica's successful 2015 enactment, and added five new states to the list of 33 that extend the federal highway **2,000 lb. gross total weight allowance** increase to all state and local highways

▶ Supported increase in U.S. EPA RFS Renewable Volume Obligations for 2020

▶ Secured inclusion of **natural gas vehicle corridors** in the U.S. Senate Committee on Environment and Public Works' draft surface transportation legislation

▶ Obtained \$15 million in on-road natural gas vehicle research funding, an additional \$15 million for high horsepower R&D opportunities, including rail, \$1 million for NGV data gathering, and \$66.3 million for clean transportation outreach, deployment, and analysis through the U.S. Department of Energy's Clean Cities program in **FFY 2020 appropriations**

▶ Advanced light-duty vehicle parity for natural gas vehicles through regulatory and legislative avenues



▶ **Monitored 230+ bills in all 50 states and the District of Columbia**, sharing details with NGVAmerica members and impacting when appropriate through our State Government Affairs Committee

▶ **Secured new natural gas vehicle incentives and new natural gas vehicle station/refueling infrastructure incentives**, each in four states. Another state passed incremental state sales tax exemptions for NGVs and two additional states passed protections to existing NGV incentives. Seven states passed important renewable natural gas (RNG) legislation important for on-road motor vehicle fueling use

▶ Established a **Mobile Pipeline Working Group** to educate policy makers and influencers on the benefits and safety profile of on-road natural gas transport and promote the safety, importance, and cost effectiveness of the delivered natural gas industry. Mobile pipelining provides clean, reliable, and safe natural gas to areas that lack enough access or supply and plays an important role in the distribution of RNG to end users

▶ Completed successful outreach campaign to freight shipping, transit, and refuse operators at 14 industry gatherings and conferences, promoting the cost savings and emissions free benefits of fueling with geologic and renewable natural gas. Over 1.2 million impressions were served, with a resulting average CTR of 0.41 percent; sponsored by NGVA members Trillium, Gain Clean Fuel, American Natural Gas, NW Natural, and ANGI

▶ Sponsored successful **Clean Fleet Month** in October across all NGVA digital platforms, creating twenty-two featured articles, fourteen infographics, and four videos and resulting in over 10,600 unique page views over the three-week online promotion

▶ Conducted over 125 personal meetings with elected members of the U.S. House and Senate and their staffs and hosted more than 40 participants for our Spring 2019 Washington, DC Fly-In and Lobby Day when an additional 60+ advocacy meetings were conducted; NGVA coordinated a State of Texas-focused Fall 2019 Fly-In as well

▶ Hosted Senator Ted Cruz (TX) for an in-state site visit and NGV round table at VIA San Antonio, an NGVAmerica member CNG transit fueling facility

▶ Welcomed new **Director of Technology & Sustainability** Paul Sandsted to the NGVAmerica team; Paul was previously an application engineer with Cummins Engine Company

▶ Influenced **Volkswagen Mitigation Trust** program administration in all 50 states, the District of Columbia, and Puerto Rico while maintaining our comprehensive online VW Trust Action Center to assist members in identifying fleet opportunities and coordinating grant applications; NGVA successfully advocated for parity among fuels, the addition of most NOx reduced for funds spent and commercially-available language, the inclusion of private fleets, and the use of the new AFLEET and HDVEC emissions calculation tools in application review





# Why Natural Gas?

✓ **Most Responsible Investment to Clean Air and Combat Climate Change**

Natural gas provides the largest and most cost-effective reductions in transportation-related pollutants than any other powertrain option commercially-available today.



**Natural Gas**

✓ **Technology Cost** \$150,000  
**NOx Reduced** 5,582 lbs



**Diesel**

**Technology Cost** \$100,000  
**NOx Reduced** 1,716 lbs



**Electric**

**Technology Cost** \$290,000  
**NOx Reduced** 5,715 lbs



**Natural Gas**

✓ **Technology Cost** \$300,000  
**NOx Reduced** 4,375 lbs



**Diesel**

**Technology Cost** \$270,000  
**NOx Reduced** 544 lbs



**Electric**

**Technology Cost** \$670,000  
**NOx Reduced** 4,423 lbs



**Natural Gas**

✓ **Technology Cost** \$526,500  
**NOx Reduced** 4,078 lbs



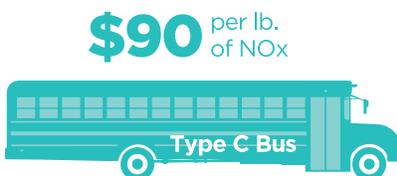
**Diesel**

**Technology Cost** \$477,775  
**NOx Reduced** 134 lbs



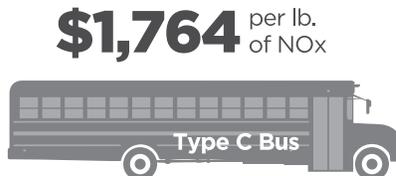
**Electric**

**Technology Cost** \$836,330  
**NOx Reduced** 4,128 lbs



**Natural Gas**

✓ **Technology Cost** \$125,000  
**NOx Reduced** 1,391 lbs



**Diesel**

**Technology Cost** \$100,000  
**NOx Reduced** 57 lbs



**Electric**

**Technology Cost** \$300,000  
**NOx Reduced** 1,583 lbs

\*Emission comparisons are based on results using Argonne National Laboratory's HDVEC tool (<https://afleet-web.es.anl.gov/hdv-emissions-calculator/>) and include modeling of new low-NOx natural gas engines and the diesel in-use emissions option.