

✓ Ready-Right-Now

- Road-tested, proven, commercially-available, & scalable fleet technology
- Established refueling infrastructure of over 1,600 stations
- Mature network of manufacturers, servicers, & suppliers coast-to-coast
- Unmatched system resiliency & redundancy in times of storms & disasters

✓ The Cleanest Full-Fleet Heavy-Duty Truck Engine in the World is Powered by Natural Gas

- **90% cleaner** than EPA's current NOx emissions requirement.
- **90% cleaner** than the cleanest diesel engine.
- **Surpasses EPA's stricter Clean Trucks rule, effective Model Year 2027**

✓ Heavy-Duty=Heavy Impact

Replacing 1 traditional diesel-burning heavy-duty truck with 1 new Ultra Low-NOx natural gas heavy-duty truck is the emissions equivalent of removing 119 traditional combustion engine cars off our roads.

Source: https://greet.es.anl.gov/afleet_tool

Unlike trucks and buses, passenger vehicles sit idle 95% of the time.

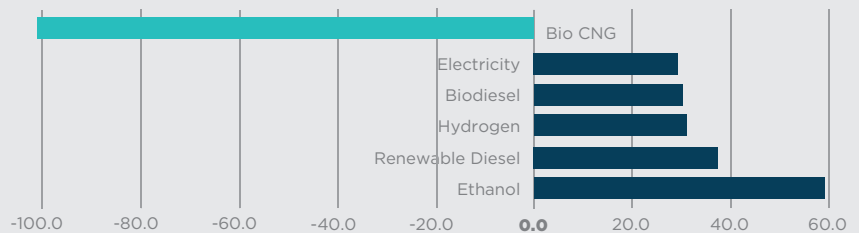


Achieving Carbon Negative Transportation Today with RNG

✓ RNG: The Only Carbon-Negative Transportation Outcome Available

- Q3 2022 data confirms the energy weighted carbon intensity (CI) values of California's RNG vehicle fuel portfolio (bio-CNG) is below zero at **-111.7 gCO₂e/MJ**
- California fleets fueling with bio-CNG have achieved carbon negativity since 2020

CA LCFS Renewable Fuels Average CI Score



Note: bio-LNG not listed as it accounts for less than 2% of all RNG used in on-road vehicles. Data from CARB's LCFS Quarterly Data Summary dated 1/31/23.

✓ An American Fuel Sourced by American Labor using American Technology



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Renewable natural gas is produced in every U.S. state. 34 states produce geologic natural gas



4.1 million

4.1 million natural gas industry jobs nationwide



#1

America is the world's leader in natural gas production and technology



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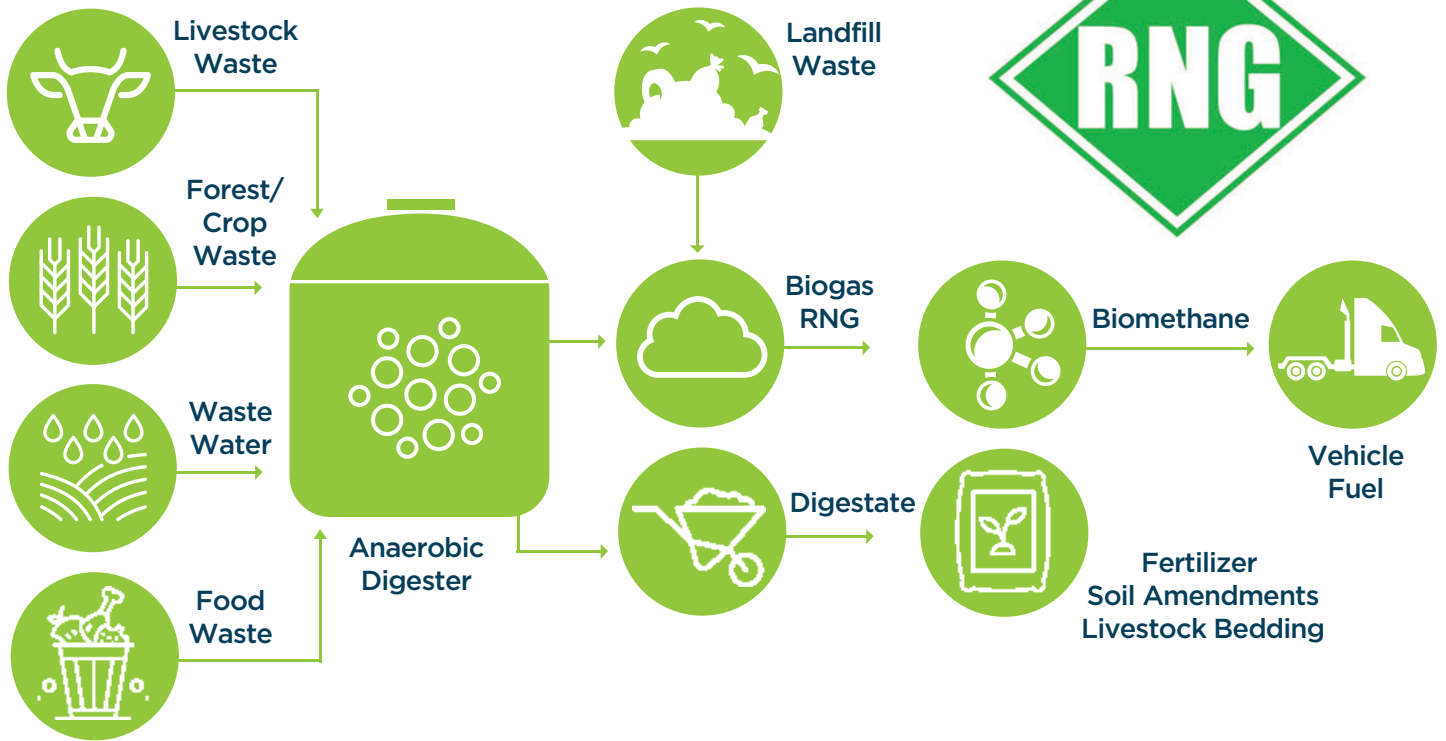
Natural gas fueling pays into the federal highway trust fund



Why wait? Get clean air and combat climate change today with natural gas vehicles. Learn more and view our introductory video at www.ngvamerica.org.

NGVAMERICA
Natural Gas Vehicles for America

What is RNG?



Renewable Natural Gas (RNG), or biogas, is gas produced from methane emitted through the decomposition of animal manure, food waste, forest management waste, wastewater sludge, and garbage.

RNG projects capture this methane and redirect it away from the environment, repurposing it as a clean, green energy source.

Unlike other renewables, RNG is easily stored, distributed, and replenished. Once scrubbed of its impurities, RNG can be injected into the existing global natural gas distribution network. While other sources of green and renewable energy require significant infrastructure buildout in order to be implemented, RNG is affordably and easily used in existing systems and vehicles today.

In 2022, 69 percent of all natural gas motor fuel dispensed in the United States was from renewable sources.



Investing in commercially available NGVs fueled by RNG is the most cost-effective and immediate climate positive change policymakers can affect. Learn more at [NGVAmerica.org](https://www.NGVAmerica.org).

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Policy Recommendations



Promote all viable clean vehicle technologies

Since trucking fleet needs are not all the same, differing powertrains are required for differing real-world applications. Natural gas is an immediate clean solution for difficult-to-electrify medium- and heavy-duty applications.

- ✓ Enact changes to IIJA and IRA (e.g., Cleaner Ports, Transit Bus Funding, Greenhouse Gas Reduction Grants) that ensure that clean vehicle funding is available for all commercially available low emission technologies
- ✓ Enact changes to IIJA and IRA using full life-cycle analysis (“well-to-wheel”) as the basis for comparing emission benefits of vehicle technologies instead of tailpipe-only standards
- ✓ Remove the burdensome Federal Excise Tax (FET) on the purchase of new clean trucks that essentially disincentivizes investment in such technologies

Markets, not mandates

Don’t mandate forced electrification. Instead set aggressive emissions reductions targets and allow individual fleets the flexibility to choose the best clean vehicle technology solution for their needs.

- ✓ Make informed investments based on cost effectiveness and access to affordable, commercially available, ready-right-now technology to get more clean vehicles on the road faster.

Allow access to affordable energy

Limiting energy access and choice and results in higher costs for all users and product consumers, creates system bottlenecks, hampers free market competition, and results in an overreliance on energy and minerals from foreign suppliers, often from conflict regions and rogue nations.

- ✓ Enact permitting reform
- ✓ Enact laws to preserve fuel choice

Impact frontline communities sooner

Get more clean replacement vehicles on the road right away with cost effective NGVs fueled by RNG. Today’s NGVs are a 1-to-1 replacement for diesel in terms of performance, torque, range, and capability with immediate clean air and carbon reduction results.

- ✓ Require DERA funding and other federal grant programs take into account cost-effectiveness and total emissions reduced when awarding competitive grants

Consider all costs and all emissions

Forced electrification of American transportation includes significant costs in addition to the high costs associated with eventual vehicle purchase and acquisition. These include the build out of added electricity generation, transmission, and fast-charging infrastructure. Focusing only on tailpipe emissions has proved a huge incentive for electrification but hamstrings other more cost effective and scalable technologies with similar or lower life-cycle emissions.

- ✓ Incorporate life-cycle assessment into all aspects of government programs
- ✓ End costly pilots that fund ultra-expensive demonstration projects for technologies with little chance of ever competing in the open market without generous and never-ending government subsidies

Make the most of limited public resources

Constrain carbon now with deployable and scalable RNG-fueled vehicles; no need to wait for technology to develop or become affordable.

- ✓ Ensure that the Federal RFS Program continues to support RNG and provide equitable treatment in terms of credits provided for RNG regardless of end use
- ✓ Ensure that the RFS targets for cellulosic biofuel continue to be aspirational and incentivize the harvesting of new future supplies of RNG
- ✓ Enact the \$1 per gallon RNG motor fuel tax credit

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The Renewable Support H.R.2448 Natural Gas Incentive Act

\$1.00/gallon tax credit on the sale or use of RNG as a transportation fuel

- RNG for fueling can cost two to three times more than conventional natural gas per MMBtu
- The dirtier the feedstock and lower CI RNG fuel is, the more production costs per gallon
- Comparable fuels receive \$1.00/gallon despite poor carbon intensity and emissions
- NG trucks save drivers and fleets money each year they are in use compared to diesel trucks, but they cost approx. \$65,000 more per vehicle
- This fuel credit helps to offset the cost of investing in new, clean vehicles and ensure the oldest, dirtiest diesel trucks are taken off of our roads



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