Decarbonize the Road Ahead

with Renewable Natural Gas

Affordable and proven natural gas vehicle technology fueled with **biomethane (RNG)** collected at local landfills, wastewater treatment plants, commercial food waste facilities, and agricultural digesters can yield a carbon-negative lifecycle emissions result.

Note: California Air Resources Board (CARB), LCFS Pathway Certified Carbon Intensities

2023 NGV Fuel Use

675 Million GGE Total

In 2023. **79%** of all

on-road fuel used in

natural gas vehicles

Conventional

Natural Gas 144 Million GGE

Renewable

Natural Gas 531 Million GGE

was RNG.

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RNG Growth



RNG use as a transportation fuel grew 16% over 2022 volumes, increasing 92% over the last five years. RNG offset a total of 6.96 million tons of CO2e in 2023.

Note: GGE = gasoline gallon equivalent. EGE = ethanol gallon equivalent. EGE units are converted to GGE using a 0.69 multiplier (77,000 Btu/112,400 Btu). Total Natural Gas in Transportation Figure derived from U.S. EIA's Annual Energy Outlook (2023) and RNG numbers derived from U.S. EPA RFS Reporting. Total greenhouse gas emissions and associated carbon dioxide equivalent (CO2e) metric tons identified using average carbon intensity (CI) scores of RNG sold in California and fuel sold nationally. Based on data available at the time of publication, California volumes accounted for 44 percent of all RNG use with the remainder sold outside of California

Put into Perspective, Last Year RNG as a Transportation Fuel ...



79%

Lowered GHG emissions equivalent to

17,810,353,003 miles driven by the average passenger car

Reduced CO₂ emissions equal to 783,592,438

gallons of gasoline consumed



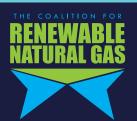
equal to growing 115,146,800 tree seedlings for ten years



8,130,425 acres of U.S. forests for one year

or

Note: Assumes 6,963,786 metric tons of CO2e eliminated in 2023 through RNG usage calculated using CARB's LCFS carbon intensity numbers. GHG equivalency calculated using the U.S. EPA's calculator



This 2023 on-road RNG use report was issued by The Transport Project and the Coalition for Renewable Natural Gas, April 2024. Find out more at RNGCoalition.com or transportproject.org.



confirms that annual California bio-CNG vehicle fuel portfolio for and below zero at

338 in operation

165 324 in development

under construction

RNG Production Facilities

Note: in U.S. and Canada as of 4/20/24