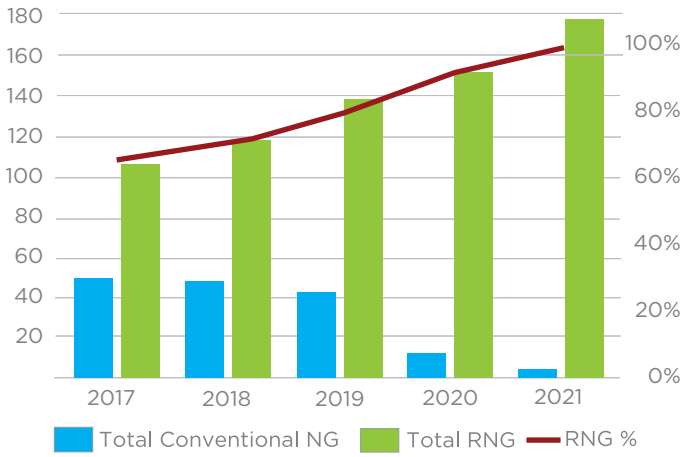
Decarbonizing California with Renewable Natural Gas Transportation

For the second consecutive year, California fleets fueled with in-state bio-CNG were **carbon negative for 2021**, based on an annual average carbon intensity score of **-44.4 gCO2e/MJ**. Biomethane sourced from dairy digesters, local landfills, wastewater treatment plants, commercial food waste facilities, and agricultural operations provides the most affordable and proven solution to decarbonize medium- and heavy-duty transportation today.

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

RNG Growth in California in Diesel Gallon Equivalents (DGEs)

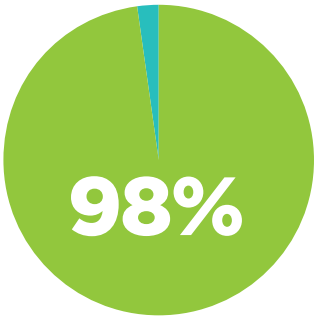


Carbon free fueling now...

2021 CA NGV Fuel Use

178.37 Million DGE Total

In 2021, **98%** of all on-road fuel used in natural gas vehicles in California was RNG



Renewable Natural Gas	Conventional Natural Gas
174.28 Million DGE	**4.09 Million DGE**

RNG use as a transportation fuel in California has increased **163%** over the last five years. In 2021 alone, RNG use resulted in the displacement of **2.78 million metric tons** of carbon dioxide equivalent (CO_2e), equivalent to **removing 600,145 gasoline-powered cars** from California roadways for one year.

Note: DGE = diesel gallon equivalent. Natural gas volumes and emission reductions calculated using figures available from CARB's Low Carbon Fuel Standard Reporting Tool Quarterly Summary at https://ww3.arb.ca.gov/fuels/lcfs/lrtqsummaries.htm.

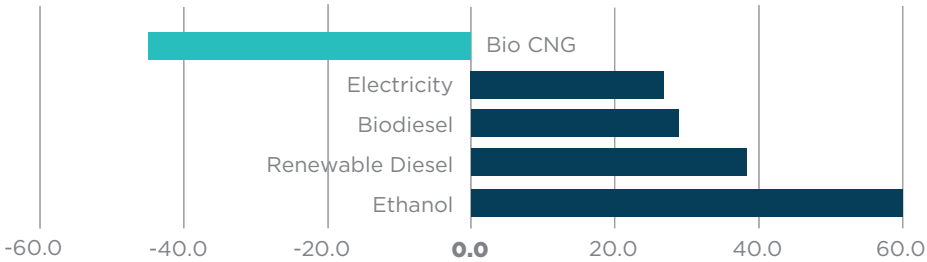
FACT

Fuel Up on Fact:

at -44.4, bio-CNG holds the lowest carbon intensity of any clean fuel option on California roadways today.

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

CA LCFS 2021 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 for 2021.

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NGVAMERICA
Natural Gas Vehicles for America

THE COALITION FOR RENEWABLE NATURAL GAS

Supporting Partners:

California Natural Gas Vehicle Partnership

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