Driving Down Emissions with Renewable Natural Gas

Proven natural gas vehicle technology is 90% cleaner than current U.S. EPA standards. Fueling NGVs with biomethane (RNG) improves emissions even further. Waste-derived gas, captured and conditioned above ground, yields ultra-low, carbon-neutral, or even carbon-negative lifecycle emissions.

2018 NGV Fuel Use
In 2018, 32%, of all on-road fuel used in natural gas vehicles was RNG

- Total NGV Fuel Use: 645 Million GGE
- RNG Component: 204 Million GGE

Over the last five years, RNG use as a transportation fuel has increased 577%, displacing 7+ million tons of carbon dioxide equivalent (CO2e).

Put into Perspective, RNG as a Transportation Fuel is ...

- Lowering greenhouse gas emissions equivalent to removing 1,539,565 gasoline passenger cars from our roads for one year
- Reducing CO2 emissions equivalent to 815,950,377 gallons of gasoline or 712,313,458 gallons of diesel consumed.
- That's equal to the total energy used by 868,321 U.S. homes for one year
- Avoiding greenhouse gas emissions equivalent to running 1,537 wind turbines for one year
- or replacing 275,434,003 traditional lightbulbs with LEDs
- Sequestering carbon equal to growing 119,902,624 tree seedlings for ten years
- or 8,534,274 acres of U.S. forests for one year

Note: Assumes 7,251,351 metric tons of CO2e reduced over last five years through increased RNG usage calculated using CARB’s LCFS carbon intensity numbers. GHG equivalency results calculated using the U.S. EPA’s calculator.