

BIOFUELS

FAST FACTS



Growth Energy[®]



LOWERING COSTS, CREATING JOBS

- Gas with 15 percent plant-based ethanol (E15) is **up to \$0.60 per gallon less expensive** than gas with lower percentages of ethanol.
- If the entire nation had access to E15 year-round, **we would save \$20.6 billion in fuel costs** each year.
- Nationwide/year-round E15 would create demand for 2.4 billion additional bushels of corn each year, **increasing GDP growth in rural America by \$66.3 billion.**
- Clean, renewable biofuels support over **555,000 U.S. jobs**, and nationwide/year-round E15 would create an additional **188,000 jobs.**





FOSTERING ENERGY INDEPENDENCE

- American ethanol reduces our dependence on foreign oil, protects U.S. energy security and **shields consumers from global oil markets** dominated by exporters in the Middle East and Russia.
- Ethanol displaces the gasoline produced from more than **700 million barrels of oil every year.**
- Since the Renewable Fuel Standard was enacted in 2005, **America's crude oil imports have dropped almost 50 percent.**



REDUCING EMISSIONS

Biofuels like plant-based ethanol are a low-carbon, clean fuel that play a vital role in reducing our dependence on fossil fuels.

Growing the share of renewable biofuels in America's fuel supply is critical to achieving better air quality and carbon neutrality.

- According to the Rhodium group, reaching net-zero emissions by 2050 **will require greater use of lower-GHG fuels**, including biofuels.
- Low-carbon biofuels like ethanol **reduce greenhouse gas emissions by 46 percent** compared to gasoline.



- Carbon Capture, Utilization and Storage (CCUS) technology can **significantly reduce ethanol's carbon footprint even further.**
- Moving to a nationwide standard of E15 would reduce CO₂ emissions by more than 17.62 million tons — **the equivalent of taking 3.85 million cars off the road each year.**
- Beyond cars on the road, biofuels have the potential to **decarbonize the aviation sector through the production of Sustainable Aviation Fuel.**
- Increased use of plant-based ethanol also **contributes to cleaner air**, reducing toxic emissions of smog and ultra-fine particulates by up to 50 percent.



ENHANCING ENGINE PERFORMANCE



- Ethanol is the cleanest, most affordable high-octane fuel on the market. It provides a **superior octane boost without the carcinogens associated with other fuel additives.**
- Americans trust it in their cars, **having driven more than 185 billion miles using E15.**
- The U.S. Environmental Protection Agency has approved E15 fuel for use in cars made in model year 2001 and newer — **which is more than 96 percent of cars on the road today.**

Find sourcing information at
GrowthEnergy.org/FastFacts

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As believers in renewable energy
and environmental stewardship,
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