

BIOFUELS

FAST FACTS



growth energy
America's Ethanol Supporters



PROVIDING ABUNDANT PLANT-BASED FUEL OPTIONS

- American families have selected 15 percent ethanol (E15) to fuel over 25 billion miles driven because it is a lower cost, higher octane option at the dispenser, **saving drivers up to \$0.10 per gallon.**
- If the entire nation moved to E15 year-round, **we would save \$12.2 billion in fuel savings each year.**
- Moving to nationwide E15 would also create **demand for an additional 2.4 billion bushels of corn annually**, which would provide an economic lift for rural America.
- Clean, renewable biofuels support over **400,000 U.S. jobs**, and moving to a nationwide adoption of E15 would create an additional **182,600.**





FOSTERING ENERGY INDEPENDENCE

- Ethanol helps reduce our dependence on foreign oil, and expanding access to higher blends like E15 will provide consumers with a **lower cost, lower carbon fuel option.**
- American ethanol **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.**



DECARBONIZING THE TRANSPORTATION SECTOR

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.

- A 2021 analysis by the Rhodium group that **biofuels are a mainstay for any climate strategy looking to attain net-zero emissions by 2050.**
- Low-carbon biofuels like ethanol **reduce greenhouse gas emissions by 46 percent** compared to gasoline.
- 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 hard to electrify sectors**, including the aviation sector through the production of Sustainable Aviation Fuel.
- The biofuel industry is also incentivizing better conservation and sustainable agriculture practices to lower carbon emissions, and is **leading the way on Carbon Capture, Utilization and Storage capabilities (CCUS)**. CCUS reduces ethanol's carbon intensity by 25-30 points.
- Increased blends of biofuels like ethanol means less pollution and healthier communities. A study by the University of California Riverside found that **ethanol blends reduce toxic emissions by up to 50 percent, including smog and ultra-fine particulates**. Clean-burning biofuels help lower toxic tailpipe emissions – including carbon monoxide, particulate matter, and toxic chemicals – resulting in cleaner air and a healthier environment.



ENHANCING ENGINE PERFORMANCE



- Ethanol is the best available source of octane. It 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 over 25 billion miles using E15.**
- The U.S. Environmental Protection Agency has approved E15 fuel for 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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