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.
• 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.
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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