



renewable gasoline blend

putting carbon-conscious customers in the driver's seat

The road to lower carbon gasoline starts here

Chevron is exploring new ways to provide lower carbon fuel solutions for our customers. More than 95% of passenger vehicles in the United States depend on gasoline-powered engines. After a lot of hard work in the labs, in the field and on the road, Chevron has created a renewable gasoline blend that has the potential for immediate use in the more than 265 million gasoline-powered passenger vehicles on the road today in the U.S.

Unlocking potential for U.S. motorists

Compatibility with current infrastructure and gasoline-fueled cars allows Chevron's renewable gasoline blend to enable virtually all drivers to help contribute to a lower carbon future without having to purchase new vehicles or new engines.

A breakthrough in gasoline production

Our renewable gasoline blend, made from biomass and conventional components, can reduce lifecycle CO₂ emissions by more than 40% compared to traditional gasoline. We're using renewable feedstock to make lower carbon intensity blends of gasoline. With our advanced methods of combining renewable and traditional blendstocks, we've created an exceptional fuel.

Building on our expertise in lower carbon fuels, we've made renewable naphtha, once a minor byproduct, into a viable resource for lowering the carbon intensity of gasoline.

Growth and incorporation

Chevron is leading the way for incorporating renewable material into conventional gasoline, formulating a renewable gasoline blend that meets or exceeds the fuel performance requirements of today's conventional gasolines while directly reducing carbon intensity.

fast facts

3.3

trillion miles

driven annually in the U.S.*

>95%

of passenger vehicles

on U.S. roads today use gasoline-powered engines (265+ million)*

>40%

carbon reduction

with Chevron renewable gasoline blend vs. traditional gasoline

>50%

renewable feedstocks

in Chevron renewable gasoline blend

zero

need for

new fueling infrastructure, new vehicles or new engines with Chevron renewable gasoline blend

*Based on 2022 data. Includes cars, SUVs and light-duty trucks on the road in the U.S. Does not include enterprise or government-owned auto fleets.



It takes a team to fuel America's cars for the future

Chevron's development of renewable gasoline blends extends beyond the consumer to our agricultural partners, promoting economic prosperity for U.S. farmers and livestock producers. Chevron's Renewable Energy Group is sourcing agriculture- and waste-based feedstocks from more than 100 different suppliers.

Advancing the farm-to-fuel ambition

Innovating and collaborating with our agriculture partners has encouraged greater focus on developing novel feedstocks that yield larger volumes of oils for renewable fuels. As a result, we're also able to help enhance agricultural sustainability practices.

Ethanol for the assist

The renewable gasoline blend used in our current five-city Future Fuels Showcase contains 15% ethanol (E15), further driving down the lifecycle carbon intensity of transportation fuels.

Many pieces to the lower carbon puzzle

Lowering the carbon intensity of the passenger transportation sector calls for a comprehensive approach that includes multiple technology-neutral solutions. Along with electrification, lower carbon intensity liquid fuels, hydrogen and renewable natural gas all play essential roles in this process. By adopting diverse strategies, we can work together to reduce emissions for all vehicles in the U.S. – now and in the coming years.

Enablement for a lower carbon future

Chevron's renewable gasoline blend can reduce passenger vehicle lifecycle emissions by more than 40% at scale production. Supporting market-based mechanisms, feedstock flexibility, co-processing of traditional and biofeedstocks and a full lifecycle approach to carbon reduction are all critical policy considerations for a lower carbon future.



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