The United States committed to **cut carbon emissions 50-52%** (compared to 2005 levels) by 2030. Nearly half of U.S. states and many cities have adopted similar goals. Meeting long-term goals to reach **net zero emissions by 2050** requires meeting these interim goals and achieving substantial carbon reductions today.


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**AFFORDABLE SOLUTIONS**

Biodiesel and Renewable Diesel offer fleets **affordable, low-carbon solutions** to immediately improve the sustainability of their operations. These better, cleaner fuels are available now and work in existing or new diesel equipment to provide immediate carbon reductions.

**IMPROVEMENTS NOW AND IN THE FUTURE**

Biomass-based diesel (BBD) offers immediate greenhouse gas emission (GHG) reductions. Investing in BBD in combination with Battery Electric (BE) technologies achieves the **greatest reductions in total GHG emissions over the next 20 years.** Both BBD and BBD + BE surpass the carbon reduction benefits of continuing to use Petroleum Diesel (PD) while waiting to transition to BE.

**High Value, Low Carbon Impact**

Because biodiesel and renewable diesel are drop-in alternatives, fleets can achieve valuable carbon reductions **today** at a relatively low cost.


**MEETING CARBON GOALS**

States and cities already use clean fuels to meet carbon goals today.

Biodiesel and renewable diesel **currently meet 5-6% of U.S. on-road diesel demand. In California**, biodiesel and renewable diesel **meet 33% of the state’s on-road diesel demand. In Oregon**, biodiesel and renewable diesel meet **11.3% of the state’s needs.** The industry has established a goal to double domestic production to 6 billion gallons by 2030, and we’re well on our way to reaching that goal.

**Lowering Carbon Now**

California and Oregon have reduced carbon emissions by using biomass-based diesel:

- Since 2011, California’s BBD use has reduced the state’s greenhouse gas emissions by 81.1 billion pounds.
- BBD has generated more cumulative Low-Carbon Fuels Standard credits (42% of total since 2011) than any other transportation fuel.
- In 2020, biodiesel and renewable diesel generated nearly half of the Oregon Clean Fuels Program’s 1.3 million tons of carbon reductions.


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Clean Fuels Alliance America is the U.S. trade association representing the entire biodiesel, renewable diesel and sustainable aviation fuel value chain, including producers, feedstock suppliers and fuel distributors. Learn more at cleanfuels.org

**ABOUT BIODIESEL AND RENEWABLE DIESEL:**

- Made from plant-based oils, used cooking oils, and animal fats
- Clean-burning
- Can be used in any existing vehicle without modification
- Commercially available nationwide
- Today’s solution for heavy-duty trucking, emergency vehicles, bus fleets, and farm equipment

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Materials produced with generous support from the United Soybean Board, the Nebraska Soybean Board and other state soy checkoff programs.

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**BIOFUELS FOR CLEAN POWER**

- Low-cost, near-zero emissions
- Clean-burning
- Can be used in existing or new diesel engines
- Commercially available nationwide

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Learn more at cleanfuels.org

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Clean-burning

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