Renewable fuels aren’t new – but America’s refineries are helping take their production to a new level. AFPM members are driving the expansion of renewable diesel (RD) and sustainable aviation fuel (SAF), investing in new capacity, upgrading facilities and scaling advanced technologies to meet growing demand.

Renewable diesel

Renewable diesel is a low carbon biofuel made from vegetable oils, animal fats and other forms of biomass, produced through a hydrogenation process that creates a fuel chemically identical to petroleum diesel. This drop-in compatibility allows it to be used in existing diesel engines while helping to reduce greenhouse gas emissions.

Sustainable aviation fuel

Sustainable aviation fuel is a renewable biofuel designed to power aircraft while producing a much lower carbon footprint than conventional jet fuel.

Production and capacity by the numbers

Learn more about how AFPM members are driving progress across energy, manufacturing and environmental stewardship in the 2026 AFPM Sustainability Report.

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About AFPM:

The American Fuel & Petrochemical Manufacturers (AFPM) is the leading trade association representing the makers of the fuels that keep us moving, the petrochemicals that are the essential building blocks for modern life, and the midstream companies that get our feedstocks and products where they need to go. We make the products that make life better, safer and more sustainable — we make progress.

Topics

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Fuel Products