

PROVIDING RENEWABLE DIESEL & BIODIESEL SOLUTIONS ON THE WEST COAST

As one of the largest energy infrastructure companies in North America, we recognize that energy consumption contributes to greenhouse gas emissions. We are actively making enhancements to our business practices and operations to support the energy transition and reduce our emissions footprint.

WHO WE ARE

Kinder Morgan provides energy transportation and storage services in a safe, reliable and **environmentally responsible** manner while creating long-term value for our shareholders. We are the largest independent transporter of petroleum products in the U.S. and offer **biodiesel** and **renewable diesel (RD)** solutions along the West Coast.

WHAT WE ARE DOING

Our **Products Pipelines** segment is pursuing opportunities to help meet the increasing demand for **biodiesel**, **RD** and **sustainable aviation fuel (SAF)**. These reliable, **lower carbon fuels** are essential components of a low carbon energy mix, and Kinder Morgan's existing asset base is well-positioned to support them.

BIODIESEL

Biodiesel (also known as **Fatty Acid Methyl Ester, or FAME**) is a renewable, biodegradable fuel and a clean-burning alternative to petroleum diesel fuel. Unlike petroleum diesel fuel, biodiesel is manufactured from agricultural byproducts, including vegetable oils, animal fats or recycled cooking oil. Using biodiesel as a vehicle fuel **improves air quality** and the **environment**.

RENEWABLE DIESEL

Renewable diesel (also known as **hydrotreated vegetable oil**) is a high-quality, non-petroleum renewable fuel made from agricultural byproducts, including vegetable oils, animal fats or recycled cooking oil. It is often referred to as an "advanced biofuel" or "second-generation biofuel." RD is often confused with traditional biodiesel. While **both are made from the same organic biomass feedstocks**, they are different products due to their **different production processes** (hydrotreating versus distillation), with differences found in their cleanliness and quality.

Unlike biodiesel, RD is chemically the same as petroleum diesel and **can use existing infrastructure networks**. The life cycle greenhouse gas emissions of RD and biodiesel are **typically 50-80% lower than petroleum diesel**.

Our Products Pipelines segment invested

~\$75 million
to supply California with
lower emissions fuel

in 2023



WEST COAST RENEWABLE DIESEL SOLUTIONS

We are committed to offering our customers **infrastructure solutions for renewable fuels** along the West Coast.

We are expanding our RD handling capabilities through our **Southern and Northern California RD hubs**, which were the first of their kind in the United States to transport RD by pipeline to inland destinations for delivery to the market. The RD hubs are the **most efficient and least carbon intensive method of transporting RD** from the Los Angeles refinery basin to San Diego and the Inland Empire and from the San Francisco Bay area to Sacramento, San Jose and Fresno.

Given California's goals for emissions reductions, Kinder Morgan is **exploring additional RD capacity, RD feedstock logistics and SAF blending facilities on the West Coast**.

BIODIESEL SOLUTIONS

Kinder Morgan is also able to **provide customers with biodiesel rack blending** (up to 20% at select locations), **biodiesel manifold blending** and **SAF distribution by pipeline**.

Biodiesel can be blended with petroleum diesel. **Kinder Morgan facilitates this blending** at our Chico, Fresno, Harbor Island, San Jose, Willbridge, Colton, Mission Valley and Phoenix locations. Biodiesel can also be blended with RD at our Colton facility.