

CARSON REFINERY

Facility Fact Sheet

24 hour community hotline 1-800-377-2726



BP's Carson refinery is located on 630 acres in Los Angeles County, near the Los Angeles Harbor, is one of the largest refineries in California and is a major producer of clean fuels. The Carson Refinery supplies about 25% of Southern California's gasoline needs and about 40% of its diesel fuel.

The refinery began operations in 1923. Today it processes over 260 thousand barrels of crude every day. Approximately 90 percent of the crude oil refined emerges as transportation fuels – much higher than the industry average. Its Watson Cogeneration plant produces 430 MW, and is the largest cogeneration facility in California

Over one-half a billion dollars has been invested over the past few years to keep the refinery modern and efficient while producing fuels meeting California's strict quality standards and complying with environmental regulations.



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FACILITY INFORMATION

Products and Production

Gasoline — California, Arizona & Nevada grades
Approximately 6.3 million gallons/day
Jet Fuel — Major supplier to LAX
Approximately 1.7 million gallons/day
Diesel — CARB Ultra-low Sulfur Diesel
Approximately 1.9 million gallons/day
Fuel Gasses — propane, butane, Cogeneration fuel
Approximately 675 thousand gallons/day
Propylene — for only West Coast Polypropylene Plant
Approximately 65,000 lbs/day
Calcined Coke — primarily for Aluminum production
Approximately 1,000 tons/day

Employment/Economic Data

Number of Employees - 1219
Number of Contract Employees – Approximately 600
Property Taxes Paid – \$30 million
Payroll Size - \$120 million

Safety/Environmental/Community Data

Carson is ISO 14001 certified and receives numerous workplace safety and community awards every year.

Facility Description - major units and processes

Crude Unit - Separates end products by boiling points. Oil is heated to approximately 680 degrees at 25-30 psi.
Fluid Catalytic Cracking Unit - The unit upgrades heavy gasoils into gasoline.
Hydrocracker - In this unit, distillates are subjected to high temperatures and pressure, in the presence of hydrogen to produce CARB Diesel, gasoline and jet fuel.
Coker - The Coker upgrades heavy resid to produce transportation fuels and petroleum coke.
Calciner - The calciner takes petroleum coke and “cooks” it until nothing is left except pure carbon. Calcined coke is used in aluminum production.
Reformer - Reforming improves the octane of Gasoline by taking low octane molecules and converting them to high-octane molecules in the presence of heat and catalyst.
Isomerization Unit – This unit upgrades gasoline to higher-octane. In addition, the unit removes sulfur and benzene.
Desulfurization units - Several units remove sulfur from the hydrocarbons to meet stringent clean fuels specifications.

Carson receives crude at its terminals in LA Harbor and ships products throughout Southern California, Arizona and Nevada via its connections to several product distribution pipelines and terminals.

For more information visit: www.bp.com/us