



El Segundo Refinery Overview

Providing quality products to Southern California since 1911.

History of the El Segundo Refinery

The El Segundo Refinery was built in 1911. The City of El Segundo (Spanish for “the second”) was named after the refinery. This was the second refinery built by the Standard Oil Company, which later became Chevron, in California. The first was at Richmond in 1901.

Refinery Capacity

The original capacity was 5,000 barrels per day (BPD) of crude and the main product was kerosene for lamps. Today the rated capacity is 290,000 BPD and the main products are transportation fuels – gasoline, jet and diesel.

General Refinery Statistics

- Area:** Approximately 1,000 acres
- Pipelines:** Over 1,100 miles
- Tanks:** Approximately 150 major storage tanks are greater than 30 feet in diameter. Total storage capacity=12.5 million barrels. The largest tank holds about 540,000 barrels. Tank 1015 is one of the largest, with a diameter of 260 feet and a height of 64 feet.
- Roads:** 26 miles of paved roads
- Railroads:** 10 miles of railroad tracks
- Employees:** Approximately 1100 company and 300 contract employees daily

El Segundo Refinery Output and Yield

Capacity	290,000 BPD	
Typical Operation	235,000 BPD (current)	
Crude Receipts	53,000 BPD (via pipeline from California sources)	
	141,000 BPD (via tanker)	
Finished Product Yield		
Gasoline	45%	110,000 BPD
Jet & Diesel	41%	100,000 BPD
Fuel Oils & Coke	10%	25,000 BPD
LPG	4%	9,000 BPD

The El Segundo Refinery supplies 40% of the jet fuel to Los Angeles International Airport and has 20% of the gasoline market share in Southern California.

2014 El Segundo Operating Expenses

Fresh Water	98 million gals/mo. \$501,000/mo. \$6.0 million/yr.	Reclaimed Water	239 million gals/mo. \$1,078,000/mo. \$12.9 million/yr.
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Using reclaimed water helps our environment by significantly reducing the treated wastewater discharged into the Santa Monica Bay.

Fuel Consumption	Electricity	Steam Consumption
\$37.6 million/mo. \$450.6 million/yr.	\$600,000/mo. \$7.0 million/yr.	\$1,000,000/mo. \$12 million/yr.
Total Fuel/Utility Costs		\$489 million
Total Payroll Expense (not including Contractors)		\$187.6 million
Total Maintenance Expense		\$407 million



Chevron Corporate Results - 2014









Net Income	\$19.2 billion
Total Revenue	\$200 billion
Cash Dividends	\$4.21 per share
C&E Expenditures (Capital & Exploratory)	\$40.3 billion
Total Assets	\$266 billion
Refining, Marketing & Transportation Income	\$4.3 billion
Refinery Input	1.69 million BPD
Common Stock Balance	1,865,481,000 shares
Total Employees (excludes service station employees)	61,450 in over 100 countries
Worldwide Charitable Contributions (2103)	\$275 million
Income Tax	\$11.9 billion
Other Taxes	\$12.5 billion
Total Taxes	\$24.4 billion

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What is in a barrel of oil?

To some, a barrel of crude may look like a gooey liquid who's only redeeming virtue is to be eventually refined into gasoline. Researchers broke down a typical barrel of domestic crude oil into what may be produced. (By the way, the average domestic crude oil has a gravity of 32 degrees and weighs 7.21 pounds per gallon.)

Here's what just one barrel of crude oil can produce:

-  • Enough liquefied gases (such as propane) to fill 12 small (14.1 ounce) cylinders for home, camping or workshop use.
-  • Enough gasoline to drive a medium sized car (17 mpg) over 280 miles.
-  • Asphalt to make about one gallon of tar for patching roofs or streets.
-  • Lubricants to make about a quart of motor oil.
-  • Enough distillate fuel to drive a large truck (5 mpg) for almost 40 miles. If jet fuel fraction is included, that same truck can run nearly 50 miles.
-  • Nearly 70 kilowatt hours of electricity at a power plant generated by residual fuel.
-  • About 4 pounds of charcoal briquettes.
-  • Wax for 170 birthday candles or 27 wax crayons.

There are enough petrochemicals left in that same barrel to provide the base for one of the following:

- 39 polyester shirts
- 750 pocket combs
- 540 toothbrushes
- 65 plastic dustpans
- 23 hula hoops
- 65 plastic drinking cups
- 195 one-cup measuring cups
- 11 plastic telephone housings
- 135 four-inch rubber balls

The special naphthas in a barrel are used mainly for paint thinners and dry-cleaning solvents and they can make nearly a quart of one of these products. The fraction of what is left still contains enough by-products to be used in medicinal oils, still gas, road oil and plant condensates. That's a real industrial horn of plenty.

For further information about the El Segundo Refinery, contact the refinery's Policy, Government and Public Affairs office at 310.615.5254. Off-hour needs can be addressed by calling the 24-Hour Community Response Hotline at 310.615.5342.