

HIGHLIGHTS OF THE 19TH EDITION OF THE LOUISIANA CRUDE OIL REFINERY SURVEY REPORT

By
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Louisiana has 16 operating refineries with a combined capacity of 3,349,520 barrels per calendar day (bcd) in 2013. This is an increase of 94,000 barrels or 2.89% as compared to the 2012 survey report. The throughput for the 12-month period was 1,068,697,802 barrels, and the operating rate was 87.4%. This is a decrease of 2,995,125 barrels or 0.3% as compared to the 2012 survey report. Marathon Petroleum's Garyville refinery has the most refining capacity in Louisiana with an atmospheric crude oil distillation capacity of 522,000 bcd. The Garyville refinery is also the largest single refinery in the state, with a 2013 total throughput of 179,395,948 barrels. See Table 1 (pg. 2) for details and comparison to the results of DNR's last survey.

Major oil companies dominate the refining industry. The top 10 U.S. refiners, all of them major integrated oil companies, account for about 75% of the total domestic refinery charge capacity. Most of these have operations in Louisiana, either as wholly owned facilities, such as the Baton Rouge ExxonMobil refinery, or as part owners or joint ventures, such as Motiva Refineries in Norco and Convent.

Regular gasoline, other diesel, and jet fuel make up the largest percentages of the Louisiana refinery product slate at 35%, 11%, and 11% respectively. The total diesel component of Ultra Low Sulfur Diesel (ULSD) and other diesel is 19%. See Table 2 (pg. 2).

Data is also presented in the report from the *Oil and Gas Journal's* annual Worldwide Refinery Report, and the Energy Information Agency's annual Refinery Capacity Report.

The full report will be available soon online in PDF format on the Louisiana Department of Natural Resources Technology Assessment Division website (http://dnr.louisiana.gov/assets/TAD/reports/refinery_survey/refinsurvey_2013.pdf). If you would like to be added to our mailing list to receive a printed copy, submit an email request to techasmt@la.gov (include your name, address, and specify which publication you are requesting) or contact Jan Janney at 225-342-1270.

Table 1. Louisiana Operating Refinery Capacity and Throughput

Refinery	Operating Capacity as of 12/31/13 (bcd)	Operating Capacity Change ¹ (%)	Throughput 01/1/13 - 12/31/13 (barrels)	Throughput Change ² (%)
Alon Refining Co Krotz Springs	80,000	0.00	23,617,407	-0.35
Calcasieu Refining Co - Lake Charles	80,000	0.00	26,177,791	30.89
Calumet Lubricants Co LP - Cotton Valley	13,020	0.00	3,092,177	4.64
Calumet Lubricants Co LP - Princeton	8,300	-17.00	2,086,203	-17.00
Calumet Shreveport LLC - Shreveport	65,000	0.00	13,205,941	-9.34
Chalmette Refining LLC - Chalmette	197,000	2.34	49,447,000	-1.36
Citgo Petroleum Corp - Lake Charles	427,800	0.66	138,812,420	-5.92
Phillips66* - Belle Chasse	252,000	2.02	80,136,000	1.93
Phillips66* - Lake Charles	239,400	0.17	78,044,400	0.07
ExxonMobil Refining & Supply Co - Baton Rouge	502,500	0.00	169,126,500	-2.61
Marathon Petroleum Co LLC - Garyville	522,000	6.53	179,395,948	-0.90
Motiva Enterprises LLC - Convent	235,000	0.00	74,315,293	-9.56
Motiva Enterprises LLC - Norco	233,500	0.00	70,967,751	-5.59
Placid Refining Co - Port Allen	59,000	1.72	21,549,923	4.16
Shell Chemical Co - St. Rose*	45,000	0.00	0	0.00
Valero Refining Co - Meraux	140,000	3.70	38,041,347	4.05
Valero Refining Co - Norco	250,000	0.00	100,681,701	19.31
Totals	3,349,520	1.50	1,068,697,802	-0.30

1. Change from end date (12/31/2011) of previous DNR survey to end date (12/31/2013) of 2013 DNR survey.

2. Change from previous DNR survey throughput (12/31/2011 – 12/31/2013) to 2013 DNR survey throughput (1/31/2013-12/31/2013)

*Data from EIA Refinery Capacity Report 2013

Table 2. Top Products from LA Refineries by % of Product Slate

Product	Total Product Slate (%)
Regular gasoline	35.00
Diesel	19.00
Jet fuel/Kerosene	11.00
Fuel oil	4.80
Residual/Coke	5.80
Premium gasoline	8.90