

HIGHLIGHTS OF THE 18TH EDITION OF THE LOUISIANA CRUDE OIL REFINERY SURVEY REPORT

by
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Due to budget constraints, DNR's *Louisiana Crude Oil Refinery Survey Report* has not been published since 2008. The current and 18th edition covers the 12-month period from January 1, 2011 to December 31, 2011. The 18th edition also covers capacity changes from the previous 17th edition (end date 6/30/2008). Louisiana has 16 operating refineries with a combined capacity of 3,255,520 barrels per calendar day (bcd). This is an increase of 184,304 barrels, or 6%, as compared to the 2008 survey report. The throughput for the 12-month period was 1,071,692,927 barrels, and the operating rate was 90.2%. This is an increase of 50,590,567 barrels, or 6%, as compared to the 2008 survey report. ExxonMobil has the most refining capacity in Louisiana as well as the largest single refinery (see Table 1 for details and comparison to the results of DNR's last survey).

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Regular gasoline, diesel, and jet fuel make up the largest percentages of the Louisiana refinery product slate at 41.2%, 11.3%, and 11.3% respectively. The total diesel component of Ultra Low Sulfur Diesel (ULSD) and other diesel is 19.5% (The total diesel component (ULSD and other diesel) is 19.5%.see Table 2). The phase-in for ULSD is complete as of December 1, 2010 for all refinery output of on-highway diesel to be 100% ULSD.

Valero Refining Co. acquired Murphy Oil USA Inc.'s Meraux refinery in October 2011. Marathon's expansion of its Garyville facility is complete and now has an operating capacity of 490,000 barrels per calendar day (bcd), an increase of 235,000 bcd or 99.59%.

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 soon be available online in PDF format on the Department of Natural Resources Technology Assessment Division website:

(http://dnr.louisiana.gov/sec/execdiv/techasmt/oil_gas/refineries/), and printed copies will also be available soon. If you are currently on our mailing list as a subscriber to this publication, a printed copy will be mailed to you automatically. If you would like to be added to our mailing list to receive a free printed copy, submit an email request to techasmt@la.gov (include your name and 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 12/31/11 (bcd)	Operating Capacity Change ¹ (%)	Throughput 1/1/11 - 12/31/11 (barrels)	Throughput Change ² (%)
Calcasieu Refining Co - Lake Charles	80,000	2.56	20,000,000	8.14
Calumet Lubricants Co LP - Cotton Valley	13,020	7.09	2,954,986	8.03
Calumet Lubricants Co LP - Princeton	10,000	39.70	2,513,498	-4.06
Calumet Shreveport LLC - Shreveport	65,000	0.00	14,567,150	10.96
Chalmette Refining LLC - Chalmette	192,500	-1.79	50,126,910	-14.58
Citgo Petroleum Corp - Lake Charles	425,000	-1.05	147,547,128	12.22
ConocoPhillips - Belle Chasse	247,000	0.00	78,619,690	-9.12
ConocoPhillips - West Lake	239,000	0.00	77,989,876	-8.20
ExxonMobil Refining & Supply Co - Baton Rouge	502,500	0.10	173,661,826	-5.75
Marathon Petroleum Co LLC - Garyville	490,000	92.16	181,033,448	99.59
Motiva Enterprises LLC - Convent	235,000	0.00	82,175,176	3.81
Motiva Enterprises LLC - Norco	233,500	-1.23	75,168,897	-11.17
Valero Refining Co - Meraux	135,000	8.00	36,559,664	24.31
Placid Refining Co - Port Allen	58,000	0.86	20,689,952	4.21
Shell Chemical Co - St. Rose	0	-100.00	0	-100.00
Valero Refining Co - Krotz Spings	80,000	0.00	23,700,411	-6.54
Valero Refining Co - Norco	250,000	0.00	84,384,315	2.29
Totals	3,255,520	6.02	1,071,692,927	6.13

1. Change from end date (6/30/2008) of previous DNR survey to end date (12/31/2011) of 2012 DNR survey.

2. Change from previous DNR survey throughput (7/2007 - 6/2008) to 2012 DNR survey throughput (1/2011-12/2011).

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

Product	Total Product Slate (%)
Regular gasoline	41.20
Diesel	19.50
Jet fuel/Kerosene	11.30
Fuel oil	3.50
Residual/Coke	6.70
Premium gasoline	2.9