

# LOUISIANA ENERGY FACTS

Louisiana Department of Natural Resources  
Technology Assessment Division

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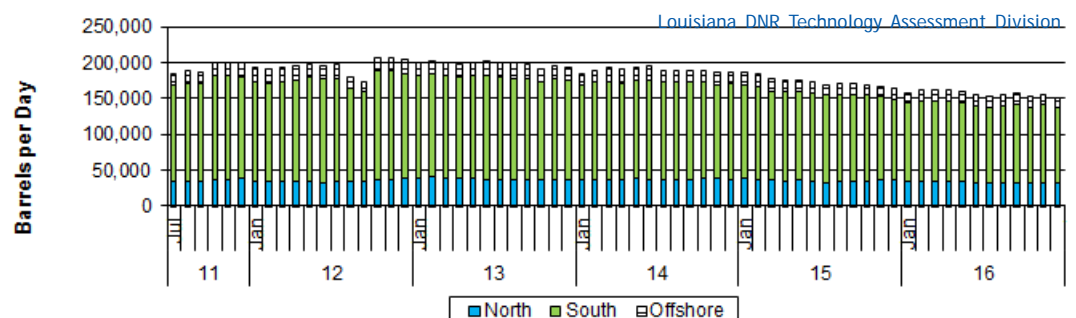
## Highlights

## JANUARY 2017

2016 was a tumultuous year for oil and gas prices, but it ended on a positive note. The start of the year saw oil prices plummet to under \$30. The trough occurred on February 11, 2016, when prices closed at \$26.21, which was \$10.83 lower than when the year started, and the lowest price in the last 14 years. However, when the year ended, oil prices were at their 2016 highs of \$53.72, or more than double the lows 11 months earlier. Natural gas followed a similar trajectory with the lows coming earlier in the year. The year opened with natural gas at \$2.337/MMBtu, fell to \$1.639 on March 3, 2016, and rebounded to \$3.724 on December 31, 2016, just slightly off the 2016 high of \$3.930 achieved on December 28, 2016.

### Louisiana Monthly Crude Oil & Condensate Production, Excluding Federal OCS

Month	(Barrels/Day)						% Change 15/16
	2011	2012	2013	2014	2015	2016	
January	180,259	192,951	199,020	184,684	185,247	156,955 <sup>2</sup>	-15.27%
February	181,277	189,953	202,334	188,866	183,277	161,233 <sup>2</sup>	-12.03%
March	190,949	192,705	199,682	193,939	177,610	161,132 <sup>2</sup>	-9.28%
April	184,294	194,865	197,259	190,599	175,663	162,178 <sup>2</sup>	-7.68%
May	185,814	198,074	199,939	193,065	175,836	159,261 <sup>2</sup>	-9.43%
June	184,987	194,467	201,326	194,184	172,542	155,677 <sup>2</sup>	-9.77%
July	184,928	198,065	199,751	188,432	168,998	151,821 <sup>2</sup>	-10.16%
August	188,056	179,086	199,333	189,514	169,573	154,182 <sup>2</sup>	-9.08%
September	186,358	173,045	197,901	189,313	170,965	157,961 <sup>1</sup>	-7.61%
October	199,265	206,264	191,332	189,565	168,477	152,187 <sup>1</sup>	-9.67%
November	200,118	206,057	194,372	185,949	167,010	155,872 <sup>1</sup>	-6.67%
December	200,290	203,455	192,847	187,391	163,794	151,065 <sup>1</sup>	-7.77%
<b>Year Average</b>	<b>188,883</b>	<b>194,082</b>	<b>197,925</b>	<b>189,625</b>	<b>173,249</b>	<b>156,627<sup>1</sup></b>	<b>-9.59%</b>



## Current Oil & Gas Data

Louisiana DNR Technology Assessment Division

<b>PRODUCTION</b>	<b>JUL 16</b>	<b>JUN 16</b>	<b>MAY 16</b>	<b>JUL 15</b>
<b>GOM CENTRAL FEDERAL OFFSHORE (OCS)</b>				
Crude Oil & Condensate <sup>F</sup> (MMB)	40	37	45	45
Natural Gas & Casinghead <sup>F</sup> (BCF)	88	81	96	105
<b>THE UNITED STATES TOTAL</b>				
Crude Oil & Condensate <sup>C</sup> (MMB)	269	261	275	292
Natural Gas & Casinghead <sup>C</sup> (BCF)	2,213	2,148 <sup>2</sup>	2,250	2,304 <sup>2</sup>
<b>IMPORTS</b>				
U.S. Crude Oil <sup>C</sup> (MMB)	251	228	246	228 <sup>2</sup>
U.S. Natural Gas <sup>C</sup> (BCF)	265	242	248	217
<b>BAKER HUGHES RIG COUNTS</b>				
U.S. Gas <sup>A</sup>	88	86	86	216
U.S. Oil <sup>A</sup>	359	330	320	649
U.S. Offshore <sup>A</sup>	20	21	24	31
U.S. Total <sup>A</sup>	449	417	407	866
<b>PRICES</b>				
<b>CRUDE OIL (\$/barrel)</b>				
OPEC Average <sup>C</sup> (F.O.B.)	39.61	43.73	40.51	47.11 <sup>2</sup>
U.S. Imports Average <sup>C</sup> (F.O.B.)	38.76	41.98	38.32	47.99 <sup>2</sup>
U.S. Wellhead Average <sup>C</sup>	40.70	43.96	41.02	47.70
Gulf OCS Wellhead Average <sup>C</sup>	42.54	43.64	38.48	50.43
State Severance Wellhead Average <sup>E</sup>	43.94	38.27	32.32	59.02
<b>NATURAL GAS (\$/MCF)</b>				
U.S. City Gates Average <sup>C</sup>	4.45	3.98	3.43	4.57 <sup>2</sup>
U.S. Imports Average <sup>C</sup> (F.O.B.)	2.35	1.90 <sup>2</sup>	1.55 <sup>2</sup>	2.66
U.S. Spot Market Average <sup>D</sup>	2.70	2.25	1.84	2.71
State Royalty Wellhead Average	2.73	2.29 <sup>2</sup>	1.81	2.74
NYMEX Henry Hub End of the Month Settle Gas Price <sup>B</sup> (\$/MMBTU)	2.92	1.96	2.00	2.77

### Key

### Data Sources

<b>1</b>	Estimated	<b>MCF</b>	Thousand Cubic Feet	<b>A</b>	Oil & Gas Journal	<b>D</b>	Natural Gas Week
<b>2</b>	Revised	<b>MMB</b>	Million Barrels	<b>B</b>	Wall Street Journal	<b>E</b>	LA Dept of Revenue
<b>BCF</b>	Billion Cubic Feet	<b>NA</b>	Not Available	<b>C</b>	U. S. Dept. of Energy	<b>F</b>	BOEM
<b>BTU</b>	British Thermal Unit	<b>OCS</b>	Outer Continental Shelf	<b>Note:</b> Unless otherwise specified, data is from the Louisiana Department of Natural Resources and excludes Federal OCS.			
<b>F.O.B.</b>	Free on Board	<b>MMBTU</b>	Million British Thermal Units				

### Note from the Editors

**Louisiana Energy Facts** is published monthly by the Louisiana Department of Natural Resources, Technology Assessment Division as a public service to individuals interested in Louisiana energy activities. Content includes recent oil, gas and other energy statistics and a brief analysis of current trends.

**Louisiana Energy Facts** articles provide insight and information on subjects of special interest to our readers, and may announce relevant, forthcoming publications.

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<http://www.dnr.louisiana.gov/tad>. From the menu, select **Newsletters**. Our current online holdings include issues dating from 1998 through the present. If the issue you are seeking is unavailable, please contact us.

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## Louisiana Crude Oil and Condensate Production

Excluding Federal OCS

Louisiana DNR Technology Assessment Division

<u>YEAR</u>	<u>(Barrels)</u>			
	<u>NORTH</u>	<u>SOUTH</u>	<u>OFFSHORE</u>	<u>TOTAL</u>
1997	21,829,276	88,295,426	16,030,812	126,155,514
1998	20,304,949	87,523,706	14,312,144	122,140,799
1999	16,711,501	81,260,610	12,850,588	110,822,699
2000	15,307,562	80,304,828	11,549,975	107,162,365
2001	14,274,475	79,328,486	11,264,058	104,867,019
2002	12,726,261	71,523,765	9,440,089	93,690,115
2003	12,049,211	67,975,624	10,349,488	90,374,323
2004	11,696,648	63,270,406	8,725,050	83,692,104
2005	11,909,370	56,993,657	6,782,960	75,685,987
2006	12,100,880	55,151,918	6,717,319	73,970,117 <sup>2</sup>
2007	12,427,647	57,353,465	7,595,386	77,376,498 <sup>2</sup>
2008	13,117,969	53,211,365	6,281,915	72,611,249
2009	12,209,641 <sup>2</sup>	50,625,343 <sup>2</sup>	5,990,173	68,825,157 <sup>2</sup>
2010	11,184,886 <sup>2</sup>	49,510,929 <sup>2</sup>	6,582,203	67,278,018 <sup>2</sup>
2011	12,284,423 <sup>2</sup>	50,164,149 <sup>2</sup>	6,516,262	68,964,834 <sup>2</sup>
2012	12,759,351 <sup>2</sup>	51,694,629 <sup>2</sup>	6,596,294 <sup>2</sup>	71,050,274 <sup>2</sup>
2013	13,681,369 <sup>2</sup>	51,777,663 <sup>2</sup>	6,771,072 <sup>2</sup>	72,230,104 <sup>2</sup>
2014	13,617,444 <sup>2</sup>	49,255,900 <sup>2</sup>	6,340,563 <sup>2</sup>	69,213,907 <sup>2</sup>
2015	12,882,145 <sup>2</sup>	44,499,798 <sup>2</sup>	5,830,750 <sup>2</sup>	63,212,693 <sup>2</sup>
2016	12,084,192 <sup>1</sup>	39,717,674 <sup>1</sup>	5,509,193 <sup>1</sup>	57,311,058 <sup>1</sup>

## Louisiana Natural Gas and Casinghead Gas Production

Excluding Federal OCS

Louisiana DNR Technology Assessment Division

<u>YEAR</u>	<u>(MCF)</u>			
	<u>NORTH</u>	<u>SOUTH</u>	<u>OFFSHORE</u>	<u>TOTAL</u>
1997	441,844,087	1,008,319,013	160,956,517	1,611,119,617
1998	429,257,932	1,008,712,261	144,320,869	1,582,291,062
1999	385,479,720	957,381,530	115,829,899	1,458,691,149
2000	381,407,678	978,585,376	107,546,713	1,467,539,767
2001	390,842,072	993,269,323	111,210,322	1,495,321,717
2002	387,069,536	876,556,069	98,236,172	1,361,861,777
2003	416,488,328	844,709,436	83,413,309	1,344,611,073
2004	475,425,191	806,165,872	68,134,157	1,349,725,220
2005	537,869,897	693,599,008	53,486,449	1,284,955,354
2006	571,855,790 <sup>2</sup>	710,839,849 <sup>2</sup>	67,273,125 <sup>2</sup>	1,349,968,764 <sup>2</sup>
2007	611,464,342 <sup>2</sup>	672,366,479 <sup>2</sup>	71,481,521 <sup>2</sup>	1,355,312,342 <sup>2</sup>
2008	684,054,142	591,428,816	83,936,258 <sup>2</sup>	1,359,419,216 <sup>2</sup>
2009	911,133,017 <sup>2</sup>	489,836,508 <sup>2</sup>	74,862,729 <sup>2</sup>	1,475,832,254 <sup>2</sup>
2010	1,610,269,087 <sup>2</sup>	408,220,740 <sup>2</sup>	68,472,242 <sup>2</sup>	2,086,962,069 <sup>2</sup>
2011	2,456,376,928 <sup>2</sup>	392,295,264 <sup>2</sup>	69,888,267 <sup>2</sup>	2,918,560,459 <sup>2</sup>
2012	2,512,134,036 <sup>2</sup>	375,838,655 <sup>2</sup>	76,839,040 <sup>2</sup>	2,964,811,731 <sup>2</sup>
2013	1,865,490,017 <sup>2</sup>	393,805,103 <sup>2</sup>	63,359,956 <sup>2</sup>	2,322,655,076 <sup>2</sup>
2014	1,535,252,960 <sup>2</sup>	363,000,160 <sup>2</sup>	47,892,610 <sup>2</sup>	1,946,145,730 <sup>2</sup>
2015	1,389,799,882 <sup>2</sup>	335,225,147 <sup>2</sup>	36,791,473 <sup>2</sup>	1,761,816,502 <sup>2</sup>
2016	1,413,805,729 <sup>1</sup>	272,867,669 <sup>1</sup>	28,328,036 <sup>1</sup>	1,715,001,434 <sup>1</sup>



## LOUISIANA DEPARTMENT OF NATURAL RESOURCES

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## Quick Facts

## JANUARY 2017

Louisiana DNR Technology Assessment Division

### SPOT MARKET PRICES

	Dec 16	Nov 16	Dec 15
Louisiana Natural Gas <sup>D</sup> (\$/MMBTU)	3.39	2.42	1.85
NYMEX Henry Hub Last Settle Gas Price <sup>B</sup> (\$/MMBTU)	3.23	2.76 <sup>2</sup>	2.21
Louisiana Sweet Crude - St. James <sup>B</sup> (\$/Barrel)	53.38	46.06	38.88

### BAKER HUGHES RIG COUNTS

	Nov 16	Oct 16	Nov 15
North Louisiana <sup>A</sup>	22	17	29
South Louisiana Inland Waters <sup>A</sup>	2	2	3
South Louisiana Inland <sup>A</sup>	6	6	6
Louisiana State Offshore	1	0	0
Louisiana Federal OCS Offshore	21	21	30
Total Louisiana <sup>A</sup> (OCS included)	52	46	67

### PRODUCTION (State Jurisdiction Only)

	Nov 16	Oct 16	Nov 15
Louisiana Crude Oil & Condensate (MMB)	4.7 <sup>1</sup>	4.7 <sup>1</sup>	5.0 <sup>2</sup>
Louisiana Natural Gas & Casinghead (BCF)	138.0 <sup>1</sup>	139.3 <sup>1</sup>	142.8 <sup>2</sup>

### DRILLING PERMITS (State Jurisdiction Only)

	Nov 16	Oct 16	Nov 15
Total Louisiana Oil and Gas	58	42	32
Louisiana Wildcats	2	2	0
Louisiana Offshore (Wildcats included)	0	0	0