

LOUISIANA ENERGY FACTS

Louisiana Department of Natural Resources
Technology Assessment Division

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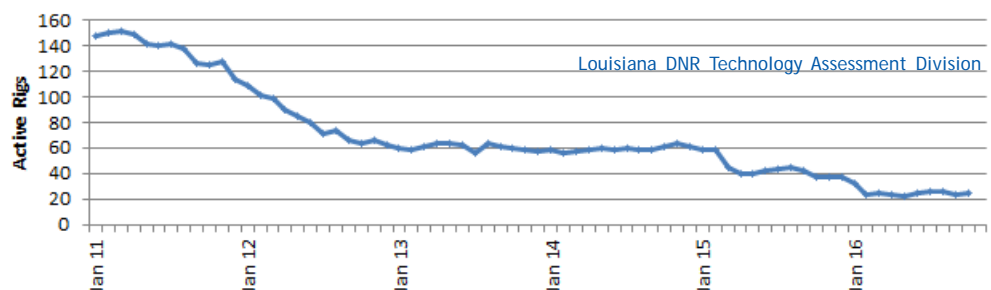
Highlights NOVEMBER 2016

Louisiana natural gas spot price has recovered to around \$3 per MMBTU after bottoming out at \$1.61 per MMBTU in March 2016. The rising gas price is caused by falling production due to lower than expected drilling and gas consumption increases in the electric power sector due to low gas prices. Working gas in storage was 3,909 BCF as of Thursday, October 20, 2016, according to EIA estimates. This represents a net increase of 73 BCF from the previous week. Stocks were 52 BCF higher than last year at this time and 182 BCF above the five-year average of 3,727 BCF. At 3,909 BCF, total working gas in storage is above the five-year historical range. Natural gas inventories are increasing in 2016 and, correspondingly, demand is not increasing enough to ease stockpile levels. This trend will keep natural gas prices below \$3.50 per MMBTU for the rest of 2016 and well into 2017.

Louisiana Average Active Rigs in Areas Under State Jurisdiction

Month	(Monthly Average Active Rigs)						% Change	
	2011	2012	2013	2014	2015	2016	14/15	15/16
January	148	110	60	59	59	32		-45.95%
February	151	102	59	56	59	24		-59.75%
March	151	99	61	58	45	25		-44.69%
April	149	90	64	59	40	24		-40.13%
May	141	85	64	60	40	23		-44.03%
June	140	80	62	59	43	25		-41.86%
July	142	71	57	60	43	26		-41.01%
August	138	74	63	58	45	26		-42.22%
September	127	67	62	59	42	23		-45.09%
October	126	63	61	62	37	24		-34.23%
November	128	66	59	64	37		-41.96%	
December	114	63	57	61	38		-38.27%	
Year Average	138	81	61	60	44	25 **		

** Partial Year



Current Oil & Gas Data

Louisiana DNR Technology Assessment Division

PRODUCTION	MAY 16	APR 16	MAR 16	MAY 15
GOM CENTRAL FEDERAL OFFSHORE ^F (OCS)				
Crude Oil & Condensate (MMB)	45	43 ²	47 ²	40 ²
Natural Gas & Casinghead (BCF)	96	88 ²	96 ²	95 ²
THE UNITED STATES TOTAL				
Crude Oil & Condensate ^C (MMB)	275	268	284	294 ²
Natural Gas & Casinghead ^C (BCF)	2,250	2,188 ²	2,274 ²	2,300 ²
IMPORTS				
U.S. Crude Oil ^C (MMB)	246	229	249	225
U.S. Natural Gas ^C (BCF)	246	241	240	204
BAKER HUGHES RIG COUNTS				
U.S. Gas ^A	86	88	93	223
U.S. Oil ^A	320	348	384	662
U.S. Offshore ^A	24	26	27	32
U.S. Total ^A	407	437	477	889
PRICES				
CRUDE OIL (\$/barrel)				
OPEC Average ^C (F.O.B.)	40.51	34.08 ²	31.35 ²	54.95 ²
U.S. Imports Average ^C (F.O.B.)	38.32	32.76 ²	29.73 ²	54.05 ²
U.S. Wellhead Average ^C	41.02	35.59	31.87	54.38
Gulf OCS Wellhead Average ^C	38.48	34.99	30.14	57.33
State Severance Wellhead Average ^E	32.32	30.85	31.84	55.69
NATURAL GAS (\$/MCF)				
U.S. City Gates Average ^C	3.43	3.20 ²	3.47 ²	4.24 ²
U.S. Imports Average ^C (F.O.B.)	1.48	1.54 ²	1.60 ²	2.52
U.S. Spot Market Average ^D	1.84	1.81	1.65	2.69
State Royalty Wellhead Average	1.81	1.83 ²	1.59	2.70 ²
NYMEX Henry Hub End of the Month Settle Gas Price ^B (\$/MMBTU)	2.00	1.90	1.71	2.52

Key

1	Estimated	MCF	Thousand Cubic Feet
2	Revised	MMB	Million Barrels
BCF	Billion Cubic Feet	NA	Not Available
BTU	British Thermal Unit	OCS	Outer Continental Shelf
FO.B.	Free on Board	MMBTU	Million British Thermal Units

Data Sources

A	Oil & Gas Journal	D	Natural Gas Week
B	Wall Street Journal	E	LA Dept of Revenue
C	U. S. Dept. of Energy	F	BOEM

Note: Unless otherwise specified, data is from the Louisiana Department of Natural Resources and excludes Federal OCS.

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.

These documents are available on the Louisiana Department of Natural Resources, Technology Assessment Division home page:

<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.

To request notification of when the *Louisiana Energy Facts* is available online, contact us at techasmt@la.gov with your name, title, company name, email address, and phone number. Please specify that you would like to be added to our email notification database for an electronic subscription.

Louisiana Estimated Crude Oil Imports and Exports

(Barrels)

<u>YEAR</u>	<u>Domestic Imports</u>	<u>Foreign Imports</u>	<u>Total Imports</u>	<u>Total Exports</u>
1996	154,720,304	791,181,725	945,902,027	533,052,305
1997	146,741,590	783,595,396	930,336,986	536,338,306
1998	137,695,483	797,792,440	935,487,923	537,711,242
1999	145,884,207	825,714,387	971,598,594	539,440,653
2000	157,483,978	794,652,031	952,136,009	568,406,926
2001	140,926,202	824,180,124	965,106,326	703,319,850
2002	150,358,173	693,057,439	843,415,612	618,283,678
2003	191,660,152	879,937,921	1,071,598,073	651,542,085
2004	235,860,964	1,096,071,025	1,331,931,989	780,965,917
2005	157,001,235	850,125,218	1,007,126,453	494,032,441
2006	178,801,461	823,410,311	1,002,211,772	557,047,242
2007	174,554,670	816,896,435	991,451,105	481,788,044
2008	168,730,922	767,894,191	936,625,113	454,085,373
2009	182,258,937	607,792,864	790,051,801	428,186,575
2010	199,457,627	650,091,329	849,548,956	453,340,592
2011	224,516,717	604,090,791	828,607,508	470,330,446
2012	251,713,325	558,733,899	810,447,224	311,769,084
2013	343,133,879	419,087,598	762,221,477	270,802,771
2014	438,543,962	351,264,763	789,808,725	261,600,829
2015	478,773,258	358,099,808	836,873,066	256,695,969

Louisiana Estimated Natural Gas Imports and Exports

(MCF)

<u>YEAR</u>	<u>Domestic Imports</u>	<u>Foreign Imports</u>	<u>Total Imports</u>	<u>Total Exports</u>
1996	1,579,977,000	n/a	1,579,977,000	5,399,393,372
1997	1,371,278,339	n/a	1,371,278,339	5,131,283,334
1998	1,153,978,580	n/a	1,153,978,580	5,183,436,594
1999	1,009,655,437	n/a	1,009,655,437	4,439,709,229
2000	1,112,790,171	n/a	1,112,790,171	4,352,108,151
2001	960,897,346	21,216,546	982,113,892	4,194,465,094
2002	1,290,858,071	n/a	1,290,858,071	4,184,377,435
2003	1,495,060,203	29,931,334	1,524,991,537	5,219,716,623
2004	1,373,686,290	153,699,903	1,527,386,193	5,022,037,236
2005	1,425,160,508	9,423,438	1,434,583,946	3,443,758,247
2006	1,495,315,465	n/a	1,495,315,465	3,333,525,104
2007	1,799,629,628	n/a	1,799,629,628	3,816,135,033
2008	2,416,147,366	9,306,010	2,425,453,376	3,819,251,975
2009	2,871,992,733	21,246,016	2,893,238,749	4,374,100,574
2010	2,968,917,248	37,981,236	3,006,898,484	4,903,836,122
2011	2,942,300,217	14,315,238	2,956,615,455	5,235,594,099
2012	2,921,306,407	10,271,538	2,931,577,945	5,202,884,633
2013	2,614,810,990	7,231,826	2,622,042,816	4,316,459,899
2014	2,482,102,996	5,016,324	2,487,119,320	3,775,998,381
2015	2,275,276,676	5,879,794	2,281,156,470	3,426,848,532



LOUISIANA DEPARTMENT OF NATURAL RESOURCES

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NOVEMBER 2016

Louisiana DNR Technology Assessment Division

SPOT MARKET PRICES

	Oct 16	Sep 16	Oct 15
Louisiana Natural Gas ^D (\$/MMBTU)	2.97	2.86	2.35
NYMEX Henry Hub Last Settle Gas Price ^B (\$/MMBTU)	2.95	2.85	2.56
Louisiana Sweet Crude - St. James ^B (\$/Barrel)	51.18	46.84 ²	47.38

BAKER HUGHES RIG COUNTS

	Sep 16	Aug 16	Sep 15
North Louisiana ^A	15	15	29 ²
South Louisiana Inland Waters ^A	4	4	4
South Louisiana Inland ^A	4	7 ²	9
Louisiana State Offshore	0	0	0
Louisiana Federal OCS Offshore	17	16	30
Total Louisiana ^A (OCS included)	40	42	72

PRODUCTION (State Jurisdiction Only)

	Sep 15	Aug 16	Sep 15
Louisiana Crude Oil & Condensate (MMB)	4.7 ¹	4.8 ¹	5.1 ²
Louisiana Natural Gas & Casinghead (BCF)	140.7 ¹	141.2 ¹	144.2 ²

DRILLING PERMITS (State Jurisdiction Only)

	Sep 15	Aug 16	Sep 15
Total Louisiana Oil and Gas	60	53	77
Louisiana Wildcats	0	5	2
Louisiana Offshore (Wildcats included)	0	0	0