

LOUISIANA ENERGY FACTS

Louisiana Department of Natural Resources
Technology Assessment Division

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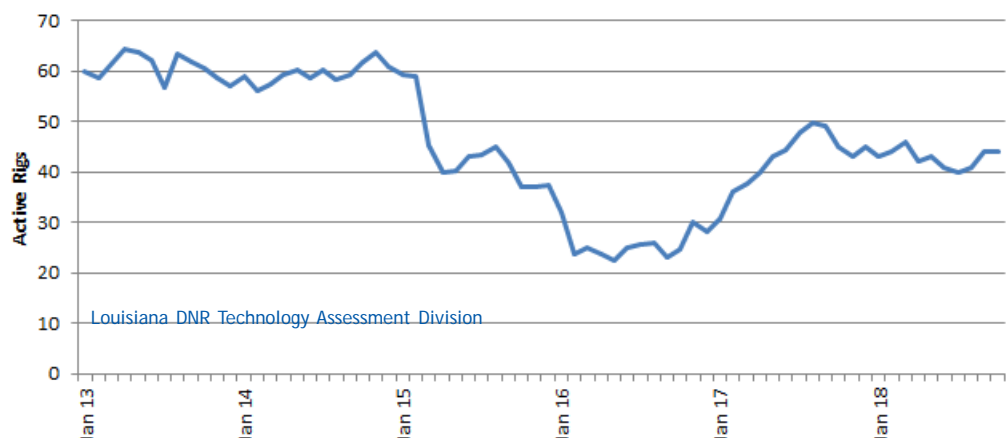
Highlights NOVEMBER 2018

Louisiana natural gas spot price was \$2.89 per MMBTU in the first 10 months of 2018; 1.4% lower than last year for the same period. The decreasing supply in storage is helping to keep the prices down. As of October 19, 2018, working gas in storage was 3,095 BCF according to EIA estimates. This represents a net increase of 58 BCF from the previous week, 615 BCF lower than last year at this time, and 391 BCF above the five-year average of 2,704 BCF. The expected average natural gas prices, for the remainder of 2018 is expected to rise, and level off in 2019 in the \$4.00-\$4.50 range.

Louisiana Average Active Rigs in Areas Under State Jurisdiction

Month	2013	2014	2015	2016	2017	2018	% Change	
							16/17	17/18
January	60	59	59	32	31	43		39.84%
February	59	56	59	24	36	44		22.22%
March	61	58	45	25	38	46		21.69%
April	64	59	40	24	40	42		5.00%
May	64	60	40	23	43	43		0.00%
June	62	59	43	25	44	41		-7.24%
July	57	60	43	26	48	40		-16.23%
August	63	58	45	26	50	41		-17.59%
September	62	59	42	23	49	44		-10.20%
October	61	62	37	25	45	44		-2.22%
November	59	64	37	30	43		43.33%	
December	57	61	38	28	45		60.71%	
Year Average	61	60	44	26	42	43 **		

** Partial Year



Current Oil & Gas Data

Louisiana DNR Technology Assessment Division

PRODUCTION	MAY 18	APR 18	MAR 18	MAY 17
GOM CENTRAL FEDERAL OFFSHORE ^F (OCS)				
Crude Oil & Condensate (MMB)	48	49 ²	54 ²	49 ²
Natural Gas & Casinghead (BCF)	68	68	74	88 ²
THE UNITED STATES TOTAL				
Crude Oil & Condensate ^C (MMB)	284	274 ²	283 ²	284
Natural Gas & Casinghead ^C (BCF)	2,713	2,598 ²	2,673 ²	2,430 ²
IMPORTS				
U.S. Crude Oil ^C (MMB)	254	247 ²	236	263 ²
U.S. Natural Gas ^C (BCF)	274	244	229 ²	244
BAKER HUGHES RIG COUNTS				
U.S. Gas ^A	198	193	188	178
U.S. Oil ^A	847	818 ²	800 ²	714
U.S. Offshore ^A	20	16	13	22
U.S. Total ^A	1,065	1,027 ²	1,001 ²	893
PRICES				
CRUDE OIL (\$/barrel)				
OPEC Average ^C (F.O.B.)	70.07	66.09 ²	60.90 ²	46.08 ²
U.S. Imports Average ^C (F.O.B.)	62.95	58.53 ²	53.35 ²	43.92 ²
U.S. Wellhead Average ^C	66.16	63.50	60.68	45.19
Gulf OCS Wellhead Average ^C	67.34	62.81	60.85	47.09
State Severance Wellhead Average ^E	63.22	64.06 ²	69.52 ²	66.46
NATURAL GAS (\$/MCF)				
U.S. City Gates Average ^C	4.13	3.64 ²	3.71	4.42 ²
U.S. Imports Average ^C (F.O.B.)	1.73	2.20	2.45	2.70
U.S. Spot Market Average ^D	2.60	2.60	2.56	3.01
State Royalty Wellhead Average	2.76	2.67	2.60 ²	3.09
NYMEX Henry Hub End of the Month Settle Gas Price ^B (\$/MMBTU)	2.82	2.69 ²	2.64 ²	3.14

Key

Data Sources

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

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>
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
2016	425,135,131	395,685,405	820,820,536	264,776,055
2017	507,957,916	326,975,746	834,933,662	287,040,373

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>
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
2016	2,050,211,214	1,751,740	2,051,962,954	3,075,203,915
2017	2,187,275,983	152,454	2,187,428,437	2,779,327,955



LOUISIANA DEPARTMENT OF NATURAL RESOURCES

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NOVEMBER 2018

Louisiana DNR Technology Assessment Division

SPOT MARKET PRICES

	Oct 18	Sep 18	Oct 17
Louisiana Natural Gas ^D (\$/MMBTU)	2.83	2.80	2.81
NYMEX Henry Hub Last Settle Gas Price ^B (\$/MMBTU)	3.02	2.90	2.97
Louisiana Sweet Crude - St. James ^B (\$/Barrel)	78.87	77.57	57.44 ²

BAKER HUGHES RIG COUNTS

	Sep 18	Aug 18	Sep 17
North Louisiana ^A	32	34	42
South Louisiana Inland Waters ^A	3	2	4
South Louisiana Inland ^A	7	6	3
Louisiana State Offshore	0	0	0
Louisiana Federal OCS Offshore	17	15	17
Total Louisiana ^A (OCS included)	59	57 ²	66

PRODUCTION (State Jurisdiction Only)

	Sep 18	Aug 18	Sep 17
Louisiana Crude Oil & Condensate (MMB)	4.9 ¹	4.5 ¹	4.3
Louisiana Natural Gas & Casinghead (BCF)	231.6 ¹	230.1 ¹	184.4 ²

DRILLING PERMITS (State Jurisdiction Only)

	Sep 18	Aug 18	Sep 17
Total Louisiana Oil and Gas	63	66	44
Louisiana Wildcats	0	2	2
Louisiana Offshore (Wildcats included)	1	0	0