

LOUISIANA ENERGY FACTS

Louisiana Department of Natural Resources
Technology Assessment Division

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Gas to Liquids Plants:
Turning Louisiana Natural
Gas into Marketable
Liquid Fuels



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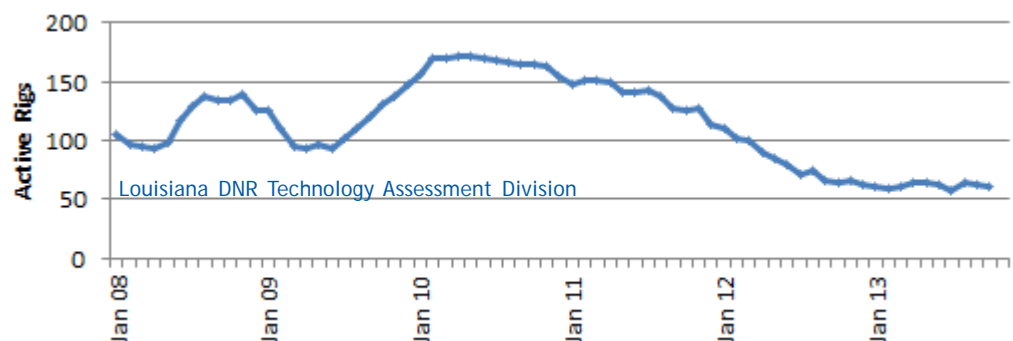
Highlights NOVEMBER 2013

Louisiana's natural gas average spot price is expected to be stable in the fall and to increase slowly during the winter as storage draws down. The October gas spot price was around \$3.60 per MMBTU. The price will probably increase to above \$4.00 per MMBTU by March 2014. The projected gas price increase is attributed to the cooler weather forecast for the fall and winter, as reported by the weather service, and power plants switching from coal to gas fuels, as a result of low gas prices and environmental regulations. The U.S. Energy Information Administration (EIA) reported a 38 billion cubic foot (BCF) injection for the week ended October 25, 2013, pushing the working inventory to 3,779 BCF. The storage levels were 3.1% below last year's levels, but were 1.6% above the 5-year average.

Louisiana Average Active Rigs in Areas Under State Jurisdiction

Month	(Monthly Average Active Rigs)						% Change	
	2008	2009	2010	2011	2012	2013	11/12	12/13
January	105	126	156	148	110	60		-45.30%
February	97	110	169	151	102	59		-42.36%
March	94	95	170	151	99 ²	61		-38.23%
April	94	93	172	149	90	64 ²		-28.61%
May	99	96	172	141	85	64		-24.94%
June	117	94	169	140	80	62		-21.80%
July	129	101	167	142	71	57		-19.79%
August	138	111	167	138	74	63		-14.56%
September	133	120	166	127	67	62		-7.14%
October	134	131	165	126	63	61		-3.56%
November	140	138	162	128	66		-48.18%	
December	126	147	154	114	63		-44.84%	
Year Average	117	113	166	138	81	61 ^{**}		

** Partial Year



Current Oil & Gas Data

Louisiana DNR Technology Assessment Division

PRODUCTION	MAY 13	APR 13	MAR 13	MAY 12
LOUISIANA FEDERAL OFFSHORE (OCS)				
Crude Oil & Condensate ^C (MMB)	31 ¹	35 ¹	34 ¹	32 ¹
Natural Gas & Casinghead ^C (BCF)	83 ¹	84 ¹	86 ¹	92 ¹
THE UNITED STATES TOTAL				
Crude Oil & Condensate ^C (MMB)	227	220 ²	222 ²	196 ²
Natural Gas & Casinghead ^C (BCF)	2,055	1,988	2,036	2,034 ²
IMPORTS				
U.S. Crude Oil ^C (MMB)	240	232	231	278 ²
U.S. Natural Gas ^C (BCF)	235	220	248	259 ²
BAKER HUGHES RIG COUNTS				
U.S. Gas ^A	353	374	359	600
U.S. Oil ^A	1,407	1,374	1,339	1,373
U.S. Offshore ^A	52	49	51	43 ²
U.S. Total ^A	1,767	1,755	1,756	1,977
PRICES				
CRUDE OIL (\$/barrel)				
OPEC Average ^C (F.O.B.)	98.62	98.68 ²	105.77	105.28
U.S. Imports Average ^C (F.O.B.)	96.14	95.56 ²	100.21	100.79
U.S. Wellhead Average ^C	95.00	94.72	95.85	95.57
Gulf OCS Wellhead Average ^C	103.51	108.40	110.10	113.75 ²
State Severance Wellhead Average ^E	110.61	114.38	107.00	120.26
NATURAL GAS (\$/MCF)				
U.S. City Gates Average ^C	5.56	5.14	4.75	4.30 ²
U.S. Imports Average ^C (F.O.B.)	3.94	3.98	3.84	2.29 ²
U.S. Spot Market Average ^D	4.19	4.30	3.99	1.94
State Royalty Wellhead Average	4.18	4.16	3.72	2.39 ²
NYMEX Henry Hub End of the Month Settle Gas Price ^B (\$/MMBTU)	4.15	3.98	3.43	2.04

Key		Data Sources					
1	Estimated	MCF	Thousand Cubic Feet	A	Oil & Gas Journal	D	Natural Gas Week
2	Revised	MMB	Million Barrels	B	Wall Street Journal	E	LA Dept of Revenue
BCF	Billion Cubic Feet	NA	Not Available	C	U. S. Dept. of Energy		
BTU	British Thermal Unit	OCS	Outer Continental Shelf				
FO.B.	Free on Board	MMBTU	Million British Thermal Units				
				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 a subscription or update your mailing address, contact us with your information. Please specify print or electronic subscription. **We value your feedback.** Please send your comments and suggestions for improving and enhancing the newsletter to: techasmt@la.gov.

Louisiana Estimated Crude Oil Imports and Exports

(Barrels)

YEAR	Domestic Imports	Foreign Imports	Total Imports	Total Exports
1993	144,077,100	715,722,168	859,799,268	492,922,559
1994	190,310,250	691,495,161	881,805,411	506,060,502
1995	144,250,902	733,156,547	877,407,449	477,054,280
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

Louisiana Estimated Natural Gas Imports and Exports

(MCF)

YEAR	Domestic Imports	Foreign Imports	Total Imports	Total Exports
1993	1,226,192,071	558,800	1,226,750,871	4,593,742,024
1994	1,221,821,839	n/a	1,221,821,839	4,872,981,031
1995	1,462,995,886	n/a	1,462,995,886	4,651,404,764
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

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NOVEMBER 2013

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	Oct 13	Sep 13	Oct 12
SPOT MARKET PRICES			
Louisiana Natural Gas ^D (\$/MMBTU)	3.60	3.54	3.16
NYMEX Henry Hub Last Settle Gas Price ^B (\$/MMBTU)	3.50	3.57	3.02
Louisiana Sweet Crude - St. James ^B (\$/Barrel)	102.85	108.17	110.24
BAKER HUGHES RIG COUNTS			
	Sep 13	Aug 13	Sep 12
North Louisiana ^A	25	26	25
South Louisiana Inland Waters ^A	20	22	19
South Louisiana Inland ^A	15	13	23
Louisiana State Offshore	3	2	0
Louisiana Federal OCS Offshore	49	47	49
Total Louisiana ^A (OCS included)	111	110	115
PRODUCTION (State Jurisdiction Only)			
	Sep 13	Aug 13	Sep 12
Louisiana Crude Oil & Condensate (MMB)	6.0 ¹	6.0 ¹	5.2 ²
Louisiana Natural Gas & Casinghead (BCF)	199.6 ¹	200.4 ¹	241.7 ²
DRILLING PERMITS (State Jurisdiction Only)			
	Sep 13	Aug 13	Sep 12
Total Louisiana Oil and Gas	142	157	130
Louisiana Wildcats	1	2	2
Louisiana Offshore (Wildcats included)	2	1	2