

Louisiana Energy Facts

Department of Natural Resources

Technology Assessment Division

Natural gas imports into the US are on the rise as demand for it is increasing. The imports rose as a result of expansions and high utilization rates of existing pipeline capacity at the border with Canada and increased LNG imports. Net imports for natural gas for January 2000 were around 312 BCF, a 6% increase over January 1999 and 16% increase over January 1998. In 1999, the US imported around 155 BCF in LNG, almost twice the amount of the 1998's imports.

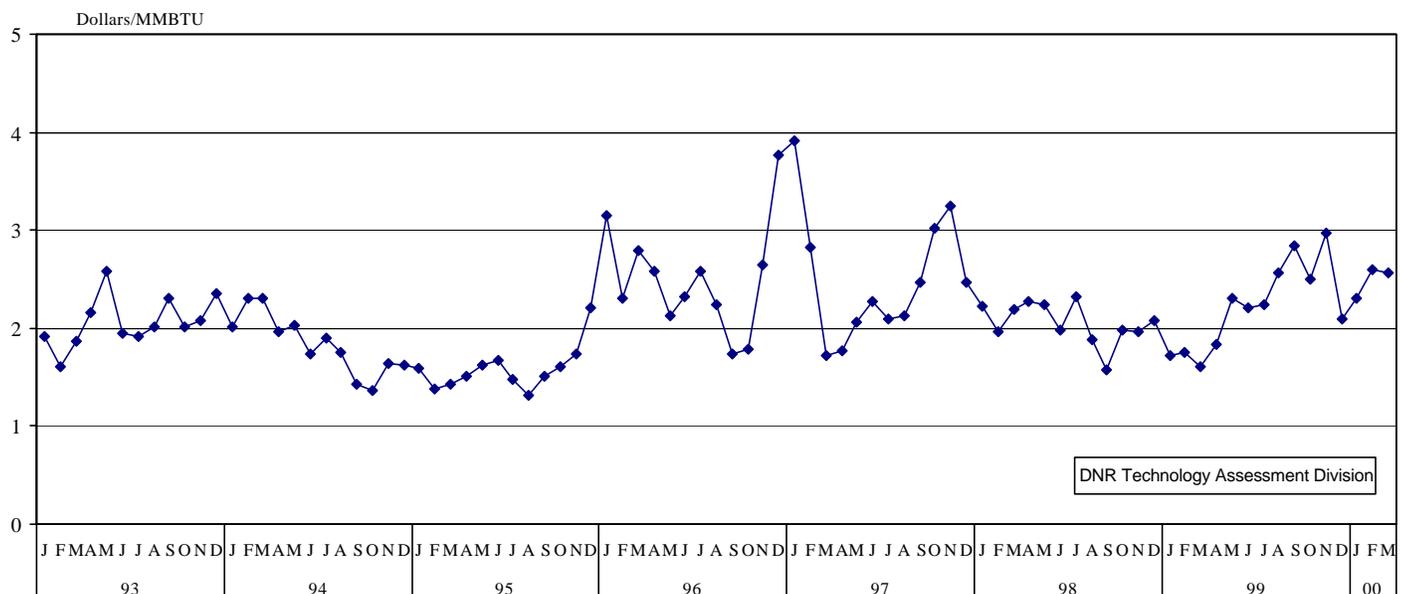
**Louisiana Natural Gas Average Spot Prices
(Dollars/MMBTU)**

**Percentage
Change**

| <u>Month</u> | <u>1995</u> | <u>1996</u> | <u>1997</u> | <u>1998</u> | <u>1999</u> | <u>2000</u> | <u>98/99 or 99/00</u> |
|---------------------|-------------|-------------|-------------|-------------|-------------|---------------|-----------------------|
| January | 1.59 | 3.15 | 3.91 | 2.22 | 1.73 | 2.31 | 33.64% |
| February | 1.39 | 2.31 | 2.83 | 1.97 | 1.75 | 2.59 | 48.00% |
| March | 1.43 | 2.79 | 1.71 | 2.19 | 1.60 | 2.56 | 60.00% |
| April | 1.51 | 2.59 | 1.76 | 2.27 | 1.84 | | -19.18% |
| May | 1.63 | 2.12 | 2.06 | 2.24 | 2.30 | | 2.88% |
| June | 1.66 | 2.32 | 2.28 | 1.98 | 2.21 | | 11.55% |
| July | 1.48 | 2.59 | 2.10 | 2.31 | 2.24 | | -3.40% |
| August | 1.32 | 2.24 | 2.13 | 1.88 | 2.56 | | 36.50% |
| September | 1.51 | 1.74 | 2.47 | 1.57 | 2.84 | | 80.45% |
| October | 1.60 | 1.79 | 3.02 | 1.98 | 2.50 | | 26.35% |
| November | 1.74 | 2.65 | 3.24 | 1.97 | 2.97 | | 50.65% |
| December | 2.21 | 3.76 | 2.47 | 2.07 | 2.10 | | 1.38% |
| Year Average | 1.59 | 2.50 | 2.50 | 2.05 | 2.22 | 2.49 * | |

* Partial Year

Louisiana Natural Gas Average Spot Prices



| | JAN 00 | DEC 99 | JAN 99 | SOURCE |
|---|--------|--------|--------------------|--------|
| SPOT MARKET PRICES | | | | |
| Louisiana Natural Gas Average (\$/MMBTU) | 2.31 | 2.10 | 1.73 | E |
| Louisiana Sweet Crude - St. James (\$/barrel) | 27.03 | 26.51 | 12.14 ² | B |
| BAKER HUGHES RIG COUNTS | | | | |
| North Louisiana | 21 | 19 | 15 | A |
| South Louisiana Inland Waters | 13 | 17 | 17 | A |
| South Louisiana Inland | 32 | 31 | 24 | A |
| Louisiana Offshore (State + OCS) | 103 | 97 | 88 ² | A |
| Total Louisiana (OCS included) | 169 | 164 | 144 ² | A |
| The United States Total | 774 | 798 | 594 ² | A |
| PRODUCTION | | | | |
| <u>LOUISIANA STATE JURISDICTION ONLY</u> | | | | |
| Crude Oil & Condensate (MMB) | 9.7 | 9.7 | 10.4 | |
| Natural Gas & Casinghead (BCF) | 116.7 | 117.5 | 123.0 ² | |

| | SEP 99 | AUG 99 | SEP 98 | SOURCE |
|--|--------|--------|--------------------|--------|
| PRODUCTION | | | | |
| <u>LOUISIANA FEDERAL OFFSHORE (OCS)</u> | | | | |
| Crude Oil & Condensate (MMB) | 39 | 40 | 31 ² | C |
| Natural Gas & Casinghead (BCF) | 345 | 355 | 316 ² | C |
| <u>THE UNITED STATES TOTAL</u> | | | | |
| Crude Oil & Condensate (MMB) | 175 | 183 | 182 ² | C |
| Natural Gas & Casinghead (BCF) | 1,546 | 1,592 | 1,549 ² | C |
| IMPORTS | | | | |
| <u>THE UNITED STATES TOTAL</u> | | | | |
| Crude Oil (MMB) | 254 | 269 | 252 ² | C |
| Natural Gas (BCF) | 291 | 296 | 262 ² | C |
| PERMITS | | | | |
| <u>LOUISIANA STATE JURISDICTION ONLY</u> | | | | |
| Total Oil and Gas | 95 | 83 | 101 ² | |
| Wildcats | 4 | 11 | 3 ² | |
| State Offshore (Wildcats included) | 9 | 8 | 9 ² | |
| PRICES | | | | |
| <u>CRUDE OIL (\$/barrel)</u> | | | | |
| OPEC Average (F.O.B.) | 20.29 | 18.82 | 11.35 ² | C |
| U.S. Imports Average (F.O.B.) | 21.04 | 19.14 | 11.70 ² | C |
| U.S. Wellhead Average | 20.10 | 17.58 | 11.28 | C |
| Gulf OCS Wellhead Average | 20.61 | 18.32 | 12.31 ² | C |
| State Severance Wellhead Average | 19.76 | 17.34 | 11.15 | D |
| <u>NATURAL GAS (\$/MCF)</u> | | | | |
| U.S. City Gates Average | 3.50 | 3.39 | 2.78 ² | C |
| U.S. Imports Average | 2.35 | 2.30 | 1.68 ² | C |
| U.S. Wellhead Average | 2.42 | 2.34 | 1.83 ² | C |
| State Royalty Wellhead Average | 2.40 | 2.20 | 1.65 | |

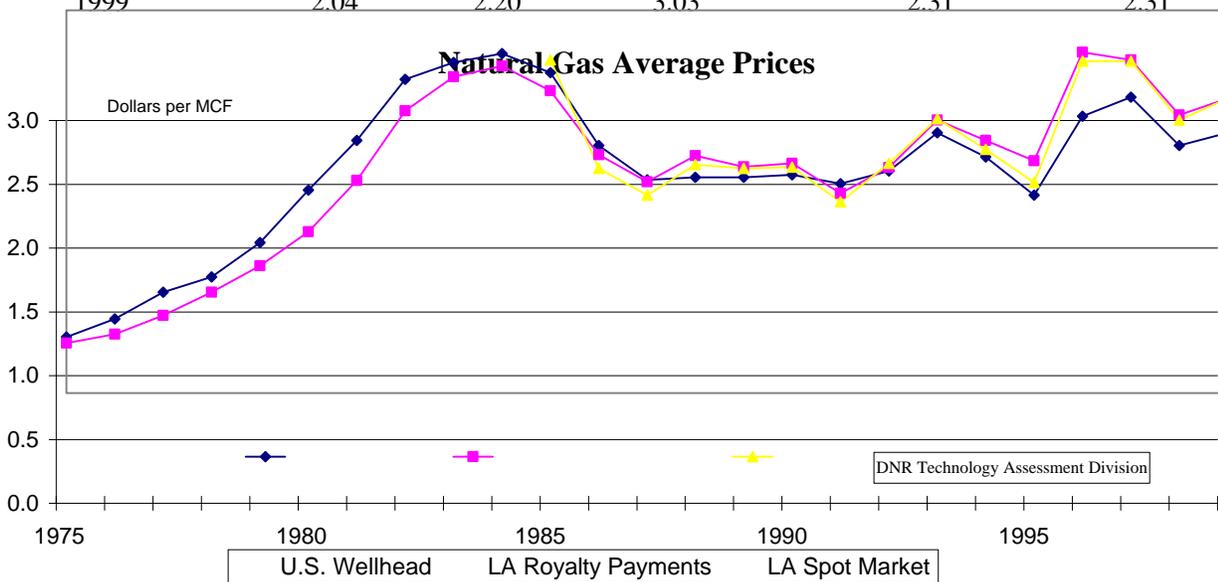
¹ Estimated ² Revised BCF: Billion Cubic Feet BTU: British thermal unit
F.O.B.: Free on board MCF: Thousand Cubic Feet MMB: Million Barrels MMBTU: Million BTU
OCS: Outer Continental Shelf N/A: Not Available

DATA SOURCES

A: Oil and Gas Journal B: Wall Street Journal C: U.S. Department of Energy
D: Louisiana Department of Revenue and Taxation E: DYNEGY Inc.
Unless otherwise specified, data is from the Louisiana Department of Natural Resources and excludes Federal OCS.

Natural Gas Average Prices
(Dollars per MCF)

| <u>Year</u> | <u>UNITED STATES</u> | | | <u>LOUISIANA</u> | |
|-------------|-----------------------------|------------------------------------|------------------------------|-------------------------|---------------------------------|
| | <u>Wellhead^c</u> | <u>Foreign Imports^c</u> | <u>City Gate^c</u> | <u>Royalty Payments</u> | <u>Spot Market^{*E}</u> |
| 1975 | 0.44 | 1.31 | 0.80 | 0.39 | N/A |
| 1976 | 0.58 | 1.73 | 0.98 | 0.46 | N/A |
| 1977 | 0.79 | 1.99 | 1.31 | 0.61 | N/A |
| 1978 | 0.91 | 2.21 | 1.47 | 0.79 | N/A |
| 1979 | 1.18 | 2.60 | 1.81 | 1.00 | N/A |
| 1980 | 1.59 | 4.42 | 2.41 | 1.27 | N/A |
| 1981 | 1.98 | 4.84 | 2.89 | 1.67 | N/A |
| 1982 | 2.46 | 4.94 | 3.60 | 2.21 | N/A |
| 1983 | 2.59 | 4.51 | 4.04 | 2.48 | N/A |
| 1984 | 2.66 | 4.08 | 3.89 | 2.56 | N/A |
| 1985 | 2.51 | 3.19 | 3.75 | 2.37 | 2.61 |
| 1986 | 1.94 | 2.53 | 3.22 | 1.87 | 1.76 |
| 1987 | 1.67 | 2.17 | 2.87 | 1.65 | 1.55 |
| 1988 | 1.69 | 2.00 | 2.92 | 1.86 | 1.79 |
| 1989 | 1.69 | 2.04 | 3.01 | 1.77 | 1.76 |
| 1990 | 1.71 | 1.94 | 3.03 | 1.80 ² | 1.77 |
| 1991 | 1.64 | 1.83 | 2.90 | 1.57 | 1.50 |
| 1992 | 1.74 | 1.85 | 3.01 | 1.77 | 1.80 |
| 1993 | 2.04 | 2.03 | 3.21 | 2.14 | 2.15 |
| 1994 | 1.85 | 1.87 | 3.07 | 1.98 | 1.91 |
| 1995 | 1.55 | 1.49 | 2.78 | 1.82 ² | 1.65 |
| 1996 | 2.17 | 1.97 | 3.34 ² | 2.67 ² | 2.60 |
| 1997 | 2.32 | 2.17 | 3.66 ² | 2.61 ² | 2.60 |
| 1998 | 1.94 ² | 1.97 ² | 3.07 ² | 2.18 ² | 2.14 |
| 1999 | 2.04 | 2.20 | 3.03 | 2.31 | 2.31 |



| Spot Market Price Monthly Average | |
|--|----------------------|
| | March 2000 |
| Louisiana Natural Gas (\$/MMBTU) | 2.56 |
| | February 2000 |
| Louisiana Sweet Crude-St. James (\$/Barrel) | 29.37 |
| PERMITS - Louisiana Jurisdiction Only | |
| | January 2000 |
| Total Oil and Gas | 113 |
| Wildcats | 13 |
| State Offshore (Wildcats included) | 4 |

Department of Natural Resources

Jack C. Caldwell, Secretary



Technology Assessment Division

Editorial Staff

T. Michael French, Director

William J. Delmar, Jr., Assistant Director

Manuel L. Lam, Senior Analyst

John Harter, Editor

E-mail: techasmt@dnr.state.la.us

Phone:(225) 342-4593 Fax:(225) 342-2707

The Louisiana Energy Facts is also available on DNR's home page. <http://www.dnr.state.la.us>

[Go to DNR's home page, Newsletters block and click on Louisiana Energy Facts.]

This issue of **Louisiana Energy Facts** is funded 100% (\$220.80) with Petroleum Violation Escrow funds as part of the State Energy Program as approved by the U.S. Department of Energy and the Department of Natural Resources

This public document was published at a total cost of \$220.80. 1,000 copies of this public document were published in this first printing at a total cost of \$220.80. The total cost of all printing of this document, including reprints, is \$220.80. This document was published by the Department of Natural Resources, P.O. Box 94396, Baton Rouge, LA 70804-9396 to promulgate the State Energy Program developed under authority of P.L. 94-163. This material was printed in accordance with the standards for printing by State agencies established pursuant to R.S. 43:31.

Louisiana Department of Natural Resources

Technology Assessment Division

P.O. Box 94396

Baton Rouge, LA 70804-9396

March 2000

Louisiana Energy Facts