

Annual Energy Outlook 2006 with Projections to 2030

Release Date: December 2005

Next Release Date: December 2006

Table 13. Natural Gas Supply and Disposition
(trillion cubic feet, unless otherwise noted)

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Production										
Dry Gas Production 1/	19.04	18.46	18.14	18.16	18.00	18.38	18.47	18.58	18.92	19.13
Supplemental Natural Gas 2/	0.07	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Net Imports										
Pipeline	3.29	3.40	3.39	3.65	4.00	4.09	4.16	4.35	4.49	4.86
Liquefied Natural Gas 3/	2.85	2.81	2.75	2.63	2.62	2.54	2.40	2.28	2.15	2.20
	0.44	0.59	0.64	1.02	1.38	1.55	1.76	2.07	2.34	2.65
Total Supply	22.40	21.92	21.60	21.88	22.07	22.55	22.71	23.00	23.48	24.06
Consumption by Sector										
Residential	5.08	4.88	4.93	5.00	5.01	5.08	5.12	5.17	5.22	5.27
Commercial	3.22	3.00	3.01	2.92	2.93	2.98	3.03	3.08	3.15	3.20
Industrial 4/	7.14	7.41	7.03	7.27	7.46	7.61	7.76	7.82	7.90	7.94
Electric Power 5/	5.10	5.32	5.40	5.16	5.20	5.41	5.36	5.51	5.79	6.19
Transportation 6/	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06
Pipeline Fuel	0.66	0.67	0.70	0.68	0.66	0.65	0.64	0.63	0.64	0.65
Lease and Plant Fuel 7/	1.13	1.11	1.11	1.10	1.08	1.09	1.09	1.09	1.10	1.11
Total	22.34	22.41	22.21	22.17	22.38	22.87	23.05	23.35	23.84	24.43
Gas to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Discrepancy 8/	0.06	-0.49	-0.61	-0.29	-0.31	-0.33	-0.34	-0.36	-0.36	-0.36
Natural Gas Prices (2004 dollars per thousand cubic feet)										
Average Lower 48 Wellhead Price 9/	5.08	5.49	7.62	6.85	6.13	5.78	5.34	5.03	4.78	4.72
Delivered Prices										
Residential	9.74	10.72	12.68	12.12	11.55	11.28	10.93	10.65	10.45	10.36
Commercial	8.53	9.38	10.98	10.38	9.82	9.59	9.27	9.03	8.80	8.69
Industrial 4/	5.77	6.29	8.67	7.80	7.05	6.65	6.21	5.86	5.63	5.55
Electric Power 5/	5.81	6.07	8.29	7.43	6.71	6.38	5.92	5.60	5.40	5.38
Transportation 10/	9.20	10.25	12.61	11.97	11.36	11.09	10.71	10.40	10.22	10.15
Average 11/	7.20	7.74	9.89	9.15	8.46	8.12	7.72	7.41	7.17	7.08

**Table 13. Natural Gas Supply and Disposition
(trillion cubic feet, unless otherwise noted)**

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Production											
Dry Gas Production 1/ Supplemental Natural Gas 2/	19.59 0.07	19.71 0.07	20.36 0.07	21.04 0.07	21.30 0.07	21.50 0.07	21.58 0.07	21.44 0.07	21.40 0.07	21.35 0.07	21.39 0.07
Net Imports											
Pipeline	4.90	5.17	5.10	4.83	4.74	4.71	4.83	5.02	5.08	5.12	5.14
Liquefied Natural Gas 3/	2.14	2.08	2.05	1.78	1.58	1.43	1.32	1.32	1.30	1.29	1.27
	2.76	3.09	3.05	3.06	3.15	3.28	3.51	3.70	3.78	3.82	3.87
Total Supply	24.56	24.96	25.54	25.95	26.11	26.28	26.48	26.54	26.56	26.55	26.61
Consumption by Sector											
Residential	5.28	5.31	5.36	5.41	5.43	5.45	5.47	5.51	5.51	5.53	5.54
Commercial	3.25	3.30	3.36	3.41	3.46	3.50	3.53	3.57	3.61	3.65	3.70
Industrial 4/	7.97	8.00	8.08	8.11	8.12	8.15	8.21	8.26	8.28	8.33	8.42
Electric Power 5/	6.57	6.84	7.14	7.32	7.37	7.43	7.51	7.46	7.42	7.31	7.23
Transportation 6/	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10
Pipeline Fuel	0.66	0.67	0.71	0.76	0.77	0.78	0.78	0.78	0.78	0.77	0.77
Lease and Plant Fuel 7/ Total	1.13 24.93	1.14 25.33	1.18 25.91	1.23 26.32	1.24 26.48	1.25 26.66	1.25 26.85	1.25 26.92	1.24 26.93	1.23 26.92	1.23 26.99
Gas to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Discrepancy 8/	-0.36	-0.37	-0.37	-0.37	-0.37	-0.37	-0.38	-0.38	-0.38	-0.38	-0.38
Natural Gas Prices (2004 dollars per thousand cubic feet)											
Average Lower 48 Wellhead Price 9/	4.80	4.71	4.52	4.46	4.53	4.71	4.85	4.90	5.03	5.12	5.19
Delivered Prices											
Residential	10.44	10.35	10.11	10.07	10.13	10.30	10.48	10.48	10.62	10.71	10.80
Commercial	8.75	8.62	8.37	8.33	8.36	8.50	8.64	8.63	8.74	8.80	8.87
Industrial 4/	5.62	5.51	5.32	5.31	5.36	5.52	5.66	5.66	5.79	5.87	5.93
Electric Power 5/	5.49	5.41	5.21	5.19	5.23	5.40	5.54	5.53	5.66	5.73	5.79
Transportation 10/ Average 11/	10.25 7.14	10.16 7.03	9.91 6.80	9.88 6.78	9.93 6.82	10.08 6.99	10.23 7.13	10.21 7.14	10.32 7.27	10.38 7.36	10.44 7.43

**Table 13. Natural Gas Supply and Disposition
(trillion cubic feet, unless otherwise noted)**

	2024	2025	2026	2027	2028	2029	2030	2004- 2030
Production								
Dry Gas Production 1/	21.36	21.16	21.14	21.04	20.95	20.86	20.83	0.5%
Supplemental Natural Gas 2/	0.07	0.07	0.07	0.07	0.07	0.07	0.07	1.1%
Net Imports								
Pipeline	5.18	5.37	5.40	5.42	5.44	5.43	5.57	1.9%
Liquefied Natural Gas 3/	1.24	1.24	1.21	1.18	1.19	1.15	1.22	-3.2%
	3.94	4.13	4.19	4.23	4.25	4.28	4.36	8.0%
Total Supply	26.62	26.60	26.61	26.53	26.46	26.37	26.48	0.7%
Consumption by Sector								
Residential	5.57	5.57	5.59	5.60	5.63	5.63	5.64	0.6%
Commercial	3.73	3.77	3.81	3.86	3.90	3.95	3.99	1.1%
Industrial 4/	8.45	8.51	8.58	8.61	8.65	8.71	8.81	0.7%
Electric Power 5/	7.15	7.05	6.94	6.79	6.61	6.42	6.38	0.7%
Transportation 6/	0.10	0.11	0.11	0.11	0.11	0.12	0.12	6.2%
Pipeline Fuel	0.77	0.77	0.76	0.76	0.76	0.76	0.75	0.5%
Lease and Plant Fuel 7/	1.22	1.20	1.20	1.19	1.18	1.18	1.17	0.2%
Total	27.00	26.99	26.99	26.92	26.85	26.75	26.86	0.7%
Gas to Liquids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Discrepancy 8/	-0.38	-0.38	-0.38	-0.38	-0.39	-0.39	-0.39	N/A
Natural Gas Prices (2004 dollars per thousand cubic feet)								
Average Lower 48 Wellhead Price 9/	5.30	5.43	5.51	5.61	5.67	5.75	5.92	0.3%
Delivered Prices								
Residential	10.94	11.10	11.20	11.31	11.39	11.50	11.67	0.3%
Commercial	8.98	9.11	9.18	9.27	9.33	9.40	9.58	0.1%
Industrial 4/	6.05	6.18	6.26	6.36	6.41	6.49	6.65	0.2%
Electric Power 5/	5.90	6.02	6.08	6.17	6.21	6.28	6.41	0.2%
Transportation 10/	10.53	10.64	10.70	10.78	10.82	10.88	11.01	0.3%
Average 11/	7.56	7.69	7.78	7.89	7.97	8.06	8.22	0.2%

**Table 13. Natural Gas Supply and Disposition
(trillion cubic feet, unless otherwise noted)**

- 1/ Marketed production (wet) minus extraction losses.
- 2/ Synthetic natural gas, propane air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.
- 3/ Includes any natural gas regasified in the Bahamas and transported via pipeline to Florida.
- 4/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.
- 5/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
- 6/ Compressed natural gas used as vehicle fuel.
- 7/ Represents natural gas used in field gathering and processing plant machinery.
- 8/ Balancing item. Natural gas lost as a result of converting flow data measured at varying temperatures and pressures to a standard temperature and pressure and the merger of different data reporting systems which vary in scope, format, definition, and respondent type. In addition, 2003 and 2004 values include net storage injections.
- 9/ Represents lower 48 onshore and offshore supplies.
- 10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.
- 11/ Weighted average prices and margins. Weights used are the sectoral consumption values excluding lease, plant, and pipeline fuel.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2003 and 2004 are model results and may differ slightly from official EIA data reports.

Sources: 2003 supply values; and lease, plant, and pipeline fuel consumption: Energy Information Administration (EIA), Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004). 2004 supply values; and lease, plant, and pipeline fuel consumption; and wellhead price: EIA, Natural Gas Monthly, DOE/EIA-0130(2005/07) (Washington, DC, July 2005), subtracting 1 billion cubic feet per day to account for carbon dioxide included in production in Texas. Other 2003 and 2004 consumption based on: EIA, Annual Energy Review 2004, DOE/EIA-0384(2004) (Washington, DC, August 2005). 2003 wellhead price: Mineral Management Service and EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004). 2003 residential and commercial delivered prices: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004). 2004 residential and commercial delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130 (2005/07) (Washington, DC, July 2005). 2003 and 2004 electric power sector prices: EIA, Electric Power Monthly, DOE/EIA-0226, May 2004 through April 2005, Table 4.11.A. 2003 and 2004 industrial delivered prices are estimated based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and the Natural Gas Monthly, DOE/EIA-0130(2005/07) (Washington, DC, July 2005). 2003 transportation sector delivered prices are based on: EIA, Natural Gas Annual 2003, DOE/EIA-0131(2003) (Washington, DC, December 2004) and estimated state and federal taxes. 2004 transportation sector delivered prices are model results. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.