

Table 6. Industrial Sector Key Indicators and Consumption

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Value of Shipments (billion 1996 dollars)													
Manufacturing	3826	3851	4056	4219	4290	4410	4560	4721	4836	4937	5047	5148	5288
Nonmanufacturing	1240	1254	1279	1280	1261	1273	1294	1315	1329	1356	1379	1401	1434
Total	5067	5105	5335	5499	5551	5683	5854	6036	6165	6293	6425	6549	6722
Energy Prices (2003 dollars per million Btu)													
Distillate Oil	6.33	7.24	7.97	7.65	7.15	6.82	6.88	6.72	6.78	7.13	7.16	7.19	7.18
Liquefied Petroleum Gas	8.48	12.57	15.15	13.24	11.16	10.51	10.32	10.04	10.02	9.94	10.00	10.10	10.02
Residual Oil	3.94	4.59	4.68	4.94	4.67	4.26	4.07	3.92	3.87	3.92	3.97	4.01	4.03
Motor Gasoline	11.22	12.79	14.50	14.20	13.03	12.31	12.09	11.81	11.68	11.69	11.58	11.59	11.59
Natural Gas	3.89	5.56	6.05	6.08	5.43	4.98	4.61	4.52	4.37	4.37	4.44	4.54	4.70
Metallurgical Coal	1.88	1.85	1.96	1.91	1.89	1.86	1.85	1.85	1.82	1.79	1.78	1.77	1.77
Steam Coal	1.60	1.55	1.57	1.60	1.59	1.58	1.58	1.57	1.56	1.56	1.55	1.55	1.55
Electricity	14.73	15.03	15.72	15.60	15.06	14.42	14.12	14.03	13.84	13.70	13.85	14.09	14.44
Energy Consumption 1/ (quadrillion Btu)													
Distillate	0.99	1.03	1.03	1.04	1.03	1.04	1.04	1.05	1.04	1.05	1.05	1.06	1.07
Liquefied Petroleum Gas	2.17	2.09	2.16	2.22	2.21	2.21	2.25	2.29	2.30	2.33	2.36	2.38	2.42
Petrochemical Feedstocks	1.22	1.32	1.29	1.36	1.37	1.38	1.42	1.46	1.48	1.49	1.50	1.51	1.52
Residual Fuel	0.21	0.28	0.29	0.28	0.29	0.30	0.30	0.32	0.34	0.34	0.35	0.36	0.39
Motor Gasoline	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.33
Petroleum Coke	1.02	1.00	1.09	1.08	1.06	1.05	1.07	1.07	1.07	1.08	1.09	1.12	1.15
Still Gas	1.40	1.48	1.49	1.52	1.74	1.82	1.89	1.90	1.77	1.64	1.59	1.54	1.52
Asphalt	1.24	1.22	1.24	1.22	1.16	1.15	1.15	1.16	1.16	1.17	1.18	1.19	1.20
Miscellaneous Petroleum 2/	0.60	0.61	0.63	0.64	0.66	0.66	0.66	0.69	0.69	0.72	0.72	0.72	0.73
Petroleum Subtotal	9.15	9.31	9.53	9.68	9.83	9.91	10.09	10.24	10.17	10.14	10.16	10.19	10.33
Natural Gas	7.75	7.19	7.28	7.43	7.62	7.68	7.81	7.88	8.10	8.29	8.40	8.47	8.50
Lease and Plant Fuel 3/	1.14	1.15	1.15	1.16	1.15	1.16	1.18	1.20	1.20	1.23	1.25	1.24	1.25
Natural Gas Subtotal	8.90	8.34	8.42	8.60	8.78	8.84	8.99	9.08	9.31	9.52	9.64	9.71	9.75
Metallurgical Coal & Coke 4/	0.71	0.72	0.81	0.75	0.71	0.69	0.67	0.64	0.61	0.59	0.58	0.56	0.55
Steam Coal	1.37	1.39	1.39	1.42	1.40	1.41	1.42	1.42	1.42	1.42	1.42	1.42	1.42
Coal Subtotal	2.08	2.11	2.21	2.17	2.12	2.09	2.08	2.06	2.03	2.02	2.00	1.98	1.97
Renewables 5/	1.78	1.79	1.89	1.94	1.96	1.98	2.02	2.05	2.07	2.09	2.11	2.13	2.16
Purchased Electricity	3.32	3.31	3.44	3.52	3.55	3.61	3.68	3.75	3.78	3.82	3.86	3.89	3.95
Delivered Energy	25.23	24.86	25.49	25.90	26.24	26.44	26.86	27.18	27.35	27.59	27.78	27.91	28.16
Electricity Related Losses	7.38	7.35	7.60	7.76	7.81	7.92	8.03	8.11	8.13	8.17	8.20	8.23	8.30
Total	32.61	32.21	33.09	33.66	34.05	34.36	34.88	35.29	35.47	35.75	35.98	36.14	36.46
Energy Consumption per dollar of Shipments 1/ (thousand Btu per 1996 dollar)													
Distillate	0.19	0.20	0.19	0.19	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16
Liquefied Petroleum Gas	0.43	0.41	0.40	0.40	0.40	0.39	0.38	0.38	0.37	0.37	0.37	0.36	0.36
Petrochemical Feedstocks	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23
Residual Fuel	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
Motor Gasoline	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

Table 6. Industrial Sector Key Indicators and Consumption

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Petroleum Coke	0.20	0.20	0.20	0.20	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17
Still Gas	0.28	0.29	0.28	0.28	0.31	0.32	0.32	0.31	0.29	0.26	0.25	0.24	0.23
Asphalt	0.24	0.24	0.23	0.22	0.21	0.20	0.20	0.19	0.19	0.19	0.18	0.18	0.18
Miscellaneous Petroleum 2/	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Petroleum Subtotal	1.81	1.82	1.79	1.76	1.77	1.74	1.72	1.70	1.65	1.61	1.58	1.56	1.54
Natural Gas	1.53	1.41	1.36	1.35	1.37	1.35	1.33	1.31	1.31	1.32	1.31	1.29	1.26
Lease and Plant Fuel 3/	0.23	0.23	0.22	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.19	0.19	0.19
Natural Gas Subtotal	1.76	1.63	1.58	1.56	1.58	1.56	1.54	1.50	1.51	1.51	1.50	1.48	1.45
Metallurgical Coal & Coke 4/	0.14	0.14	0.15	0.14	0.13	0.12	0.11	0.11	0.10	0.09	0.09	0.09	0.08
Steam Coal	0.27	0.27	0.26	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21
Coal Subtotal	0.41	0.41	0.41	0.39	0.38	0.37	0.36	0.34	0.33	0.32	0.31	0.30	0.29
Renewables 5/	0.35	0.35	0.36	0.35	0.35	0.35	0.34	0.34	0.34	0.33	0.33	0.33	0.32
Purchased Electricity	0.65	0.65	0.64	0.64	0.64	0.64	0.63	0.62	0.61	0.61	0.60	0.59	0.59
Delivered Energy	4.98	4.87	4.78	4.71	4.73	4.65	4.59	4.50	4.44	4.38	4.32	4.26	4.19
Electricity Related Losses	1.46	1.44	1.42	1.41	1.41	1.39	1.37	1.34	1.32	1.30	1.28	1.26	1.24
Total	6.44	6.31	6.20	6.12	6.13	6.05	5.96	5.85	5.75	5.68	5.60	5.52	5.42
Total Industrial Combined Heat and Power													
Capacity (gigawatts)	24.95	24.87	26.78	27.28	27.39	27.77	28.36	28.95	29.50	30.03	30.53	31.06	31.65
Generation (billion kwh)	147.19	139.59	145.91	149.17	154.97	157.64	162.51	167.39	171.71	175.57	179.55	183.49	187.87

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	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2003-2025
Value of Shipments (billion 1996 dollars)												
Manufacturing	5392	5474	5609	5764	5912	6046	6169	6301	6448	6593	6733	2.6%
Nonmanufacturing	1458	1471	1497	1524	1556	1587	1616	1644	1674	1705	1736	1.5%
Total	6850	6945	7105	7288	7468	7633	7785	7945	8122	8299	8469	2.3%
Energy Prices (2003 dollars per million Btu)												
Distillate Oil	7.19	7.22	7.28	7.32	7.38	7.37	7.45	7.51	7.50	7.56	7.73	0.3%
Liquefied Petroleum Gas	10.22	10.34	10.32	10.41	10.55	10.74	10.93	11.05	11.20	11.30	11.35	-0.5%
Residual Oil	4.10	4.14	4.19	4.23	4.28	4.34	4.41	4.46	4.52	4.56	4.62	0.0%
Motor Gasoline	11.62	11.68	11.75	11.78	11.82	11.90	11.93	12.00	12.11	12.10	12.21	-0.2%
Natural Gas	4.82	4.79	4.82	4.96	5.11	5.23	5.33	5.36	5.35	5.41	5.47	-0.1%
Metallurgical Coal	1.76	1.76	1.75	1.75	1.76	1.75	1.74	1.72	1.71	1.70	1.68	-0.4%
Steam Coal	1.55	1.55	1.56	1.56	1.56	1.56	1.57	1.57	1.60	1.61	1.60	0.1%
Electricity	14.62	14.68	14.82	15.04	15.31	15.47	15.61	15.62	15.61	15.66	15.75	0.2%
Energy Consumption 1/ (quadrillion Btu)												
Distillate	1.08	1.09	1.10	1.11	1.13	1.14	1.15	1.16	1.17	1.18	1.19	0.7%
Liquefied Petroleum Gas	2.44	2.45	2.48	2.52	2.56	2.59	2.62	2.65	2.68	2.71	2.74	1.2%
Petrochemical Feedstocks	1.52	1.51	1.52	1.53	1.54	1.55	1.55	1.56	1.56	1.56	1.57	0.8%
Residual Fuel	0.38	0.36	0.36	0.37	0.38	0.38	0.37	0.36	0.36	0.37	0.38	1.4%
Motor Gasoline	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.9%
Petroleum Coke	1.17	1.21	1.23	1.25	1.27	1.30	1.33	1.34	1.36	1.37	1.38	1.5%
Still Gas	1.57	1.59	1.62	1.62	1.63	1.65	1.66	1.65	1.65	1.66	1.68	0.6%
Asphalt	1.21	1.22	1.23	1.25	1.28	1.30	1.33	1.35	1.38	1.40	1.43	0.7%
Miscellaneous Petroleum 2/	0.73	0.74	0.74	0.76	0.77	0.77	0.76	0.75	0.75	0.75	0.75	1.0%
Petroleum Subtotal	10.43	10.49	10.61	10.76	10.90	11.03	11.12	11.19	11.27	11.37	11.47	1.0%
Natural Gas	8.50	8.59	8.71	8.78	8.84	8.89	8.96	9.04	9.11	9.19	9.26	1.2%
Lease and Plant Fuel 3/	1.23	1.25	1.31	1.33	1.33	1.32	1.32	1.31	1.30	1.30	1.31	0.6%
Natural Gas Subtotal	9.73	9.84	10.02	10.11	10.17	10.21	10.28	10.34	10.41	10.49	10.57	1.1%
Metallurgical Coal & Coke 4/	0.53	0.52	0.51	0.49	0.48	0.47	0.46	0.45	0.44	0.43	0.42	-2.4%
Steam Coal	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	0.1%
Coal Subtotal	1.95	1.94	1.92	1.91	1.90	1.89	1.87	1.86	1.85	1.84	1.83	-0.6%
Renewables 5/	2.19	2.20	2.24	2.27	2.31	2.34	2.38	2.41	2.44	2.47	2.50	1.5%
Purchased Electricity	3.98	4.00	4.05	4.11	4.15	4.19	4.22	4.26	4.30	4.35	4.39	1.3%
Delivered Energy	28.27	28.46	28.84	29.17	29.43	29.66	29.88	30.06	30.27	30.52	30.76	1.0%
Electricity Related Losses	8.31	8.30	8.36	8.43	8.49	8.52	8.56	8.60	8.65	8.72	8.78	0.8%
Total	36.58	36.76	37.20	37.60	37.92	38.19	38.44	38.66	38.92	39.24	39.53	0.9%
Energy Consumption per dollar of Shipments (thousand Btu per 1996 dollar)												
Distillate	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	-1.6%
Liquefied Petroleum Gas	0.36	0.35	0.35	0.35	0.34	0.34	0.34	0.33	0.33	0.33	0.32	-1.1%
Petrochemical Feedstocks	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.20	0.19	0.19	0.19	-1.5%
Residual Fuel	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	-0.9%
Motor Gasoline	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	-1.4%

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	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2003-2025
Petroleum Coke	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	-0.8%
Still Gas	0.23	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.20	0.20	0.20	-1.7%
Asphalt	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	-1.6%
Miscellaneous Petroleum 2/	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	-1.3%
Petroleum Subtotal	1.52	1.51	1.49	1.48	1.46	1.44	1.43	1.41	1.39	1.37	1.35	-1.3%
Natural Gas	1.24	1.24	1.23	1.20	1.18	1.16	1.15	1.14	1.12	1.11	1.09	-1.1%
Lease and Plant Fuel 3/	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.16	0.16	0.16	0.15	-1.7%
Natural Gas Subtotal	1.42	1.42	1.41	1.39	1.36	1.34	1.32	1.30	1.28	1.26	1.25	-1.2%
Metallurgical Coal & Coke 4/	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.05	-4.7%
Steam Coal	0.21	0.20	0.20	0.19	0.19	0.19	0.18	0.18	0.17	0.17	0.17	-2.2%
Coal Subtotal	0.28	0.28	0.27	0.26	0.25	0.25	0.24	0.23	0.23	0.22	0.22	-2.9%
Renewables 5/	0.32	0.32	0.31	0.31	0.31	0.31	0.31	0.30	0.30	0.30	0.29	-0.8%
Purchased Electricity	0.58	0.58	0.57	0.56	0.56	0.55	0.54	0.54	0.53	0.52	0.52	-1.0%
Delivered Energy	4.13	4.10	4.06	4.00	3.94	3.89	3.84	3.78	3.73	3.68	3.63	-1.3%
Electricity Related Losses	1.21	1.19	1.18	1.16	1.14	1.12	1.10	1.08	1.06	1.05	1.04	-1.5%
Total	5.34	5.29	5.24	5.16	5.08	5.00	4.94	4.87	4.79	4.73	4.67	-1.4%
Total Industrial Combined Heat and Power												
Capacity (gigawatts)	32.23	32.80	33.50	34.32	35.19	36.03	36.88	37.68	38.49	39.29	40.09	2.2%
Generation (billion kwh)	192.47	197.05	202.32	207.98	214.23	220.64	227.21	232.87	238.66	244.34	250.10	2.7%

Table 6. Industrial Sector Key Indicators and Consumption

1/ Includes energy for combined heat and power plants, except those whose primary business is to sell electricity, or electricity and heat, to the public.

2/ Includes petroleum coke, asphalt, road oil, lubricants, motor gasoline, still gas, and miscellaneous petroleum products.

3/ Represents natural gas used in the field gathering and processing plant machinery.

4/ Includes net coal coke imports.

5/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.

Btu = British thermal unit.

Note: Totals may not equal sum of components due to independent rounding. Data for 2002 and 2003 are model results and may differ slightly from official EIA data reports.

Sources: 2002 and 2003 prices for motor gasoline and distillate are based on: Energy Information Administration (EIA), Petroleum Marketing Annual 2003, DOE/EIA-0487(2003) (Washington, DC, August 2004). 2002 and 2003 coal prices are based on: EIA, Quarterly Coal Report, October-December 2003, DOE/EIA-0121(2003/4Q) (Washington, DC, March 2004) and EIA, AEO2005 National Energy Modeling System run aeo2005.d102004a. 2002 and 2003 electricity prices: Annual Energy Review 2003, DOE/EIA-0384(2003) (Washington, DC, September 2004). 2002 and 2003 natural gas prices based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2002, DOE/EIA-0131(2002) (Washington, DC, January 2004) and the Natural Gas Monthly, DOE/EIA-0130(2004/07) (Washington, DC, July 2004). 2002 and 2003 consumption values based on: Annual Energy Review 2003, DOE/EIA-0384(2003) (Washington, DC, September 2004). 2002 and 2003 shipments: Global Insight industry model, August 2004. Projections: EIA, AEO2005 National Energy Modeling System run aeo2005.d102004a.