

Table 6. Industrial Sector Key Indicators and Consumption

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Value of Shipments (billion 2000 dollars)													
Manufacturing	4157	4225	4342	4441	4518	4607	4702	4828	4957	5083	5201	5332	5467
Nonmanufacturing	1494	1538	1557	1547	1558	1570	1596	1612	1629	1652	1674	1701	1734
Total	5651	5763	5899	5988	6076	6178	6298	6441	6586	6735	6876	7033	7200
Energy Prices (2005 dollars per million Btu)													
Liquefied Petroleum Gases	11.18	16.96	18.96	17.51	17.39	16.75	16.42	15.94	15.77	15.62	15.63	15.57	15.68
Motor Gasoline	14.98	16.63	19.00	20.88	19.69	18.64	17.83	17.16	16.79	16.50	16.02	16.00	16.04
Distillate Fuel Oil	10.99	13.08	15.14	15.44	14.29	13.42	12.95	12.48	11.88	11.64	11.35	11.40	11.63
Residual Fuel Oil	5.77	7.77	9.34	9.88	10.08	9.79	9.50	8.78	8.47	8.04	7.98	8.21	8.41
Petrochemical Feedstocks	13.75	8.30	7.35	10.22	8.24	9.28	8.67	8.05	7.81	7.95	7.99	7.67	7.74
Asphalt and Road Oil	10.05	6.06	5.37	9.19	9.45	8.80	8.24	7.78	7.41	7.24	7.10	7.14	7.16
Natural Gas Heat and Power	5.42	7.17	6.49	6.45	6.33	5.79	5.52	5.09	4.95	4.76	4.78	4.73	4.83
Natural Gas Feedstocks	7.16	8.81	8.10	8.03	7.98	7.43	7.13	6.71	6.56	6.37	6.39	6.34	6.43
Metallurgical Coal	2.31	3.06	3.25	3.30	3.29	3.19	3.09	2.99	2.89	2.79	2.74	2.72	2.71
Other Industrial Coal	1.80	2.15	2.20	2.24	2.25	2.24	2.26	2.25	2.23	2.21	2.21	2.20	2.19
Coal to Liquids	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.89	0.88	0.88	0.89	0.89
Electricity	15.88	16.69	18.26	18.77	18.85	18.52	18.01	17.25	16.79	16.59	16.47	16.46	16.61
Energy Consumption 1/ (quadrillion Btu)													
Industrial Consumption Excluding Refining													
Liquefied Petroleum Gases Heat and Power	0.13	0.13	0.12	0.11	0.10	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Liquefied Petroleum Gases Feedstocks	2.13	1.98	2.06	2.18	2.21	2.19	2.17	2.17	2.17	2.17	2.17	2.16	2.17
Motor Gasoline	0.32	0.32	0.32	0.32	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.33
Distillate Fuel Oil	1.21	1.22	1.30	1.24	1.21	1.19	1.18	1.18	1.18	1.19	1.19	1.19	1.20
Residual Fuel Oil	0.20	0.22	0.21	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Petrochemical Feedstocks	1.54	1.38	1.32	1.42	1.47	1.47	1.48	1.49	1.49	1.49	1.49	1.49	1.49
Petroleum Coke	0.36	0.33	0.29	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Asphalt and Road Oil	1.27	1.31	1.31	1.27	1.26	1.24	1.24	1.24	1.23	1.23	1.23	1.24	1.25
Miscellaneous Petroleum 2/ Petroleum Subtotal	0.55 7.72	0.59 7.48	0.53 7.46	0.50 7.49	0.48 7.50	0.46 7.41	0.45 7.38	0.43 7.35	0.42 7.34	0.42 7.34	0.41 7.35	0.40 7.34	0.40 7.36
Natural Gas Heat and Power	5.80	5.30	5.39	5.57	5.67	5.75	5.83	5.88	5.91	5.95	5.97	6.00	6.05
Natural Gas Feedstocks	0.60	0.57	0.58	0.59	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.57	0.57
Lease and Plant Fuel 3/ Natural Gas Subtotal	1.13 7.54	1.10 6.97	1.12 7.09	1.10 7.26	1.11 7.37	1.11 7.44	1.10 7.51	1.09 7.55	1.09 7.59	1.08 7.61	1.10 7.65	1.10 7.68	1.11 7.72
Metallurgical Coal and Coke 4/ Other Industrial Coal	0.79 1.30	0.66 1.23	0.71 1.22	0.65 1.24	0.64 1.25	0.63 1.26	0.63 1.26	0.62 1.25	0.61 1.24	0.61 1.24	0.61 1.24	0.60 1.23	0.60 1.23
Coal Subtotal	2.08	1.89	1.93	1.88	1.89	1.89	1.88	1.87	1.86	1.85	1.84	1.84	1.83
Renewables 5/ Purchased Electricity	1.70 3.34	1.44 3.35	1.57 3.35	1.58 3.39	1.58 3.41	1.58 3.42	1.60 3.44	1.62 3.47	1.64 3.50	1.67 3.52	1.69 3.54	1.71 3.56	1.74 3.59
Delivered Energy	22.38	21.14	21.40	21.60	21.76	21.73	21.81	21.86	21.93	21.99	22.07	22.13	22.24
Electricity Related Losses	7.39	7.31	7.29	7.37	7.37	7.38	7.41	7.43	7.45	7.46	7.50	7.51	7.54
Total	29.77	28.45	28.69	28.97	29.13	29.11	29.22	29.29	29.38	29.45	29.57	29.64	29.78
Refining Consumption 6/													
Liquefied Petroleum Gases Heat and Power	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Distillate Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Residual Fuel Oil	0.01	0.01	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Petroleum Coke	0.57	0.56	0.58	0.60	0.59	0.60	0.60	0.63	0.65	0.66	0.66	0.67	0.69
Still Gas	1.74	1.62	1.68	1.46	1.52	1.56	1.44	1.57	1.55	1.60	1.50	1.62	1.63
Miscellaneous Petroleum 2/ Petroleum Subtotal	0.03 2.37	0.03 2.25	0.03 2.33	0.02 2.11	0.02 2.16	0.02 2.20	0.02 2.09	0.02 2.26	0.02 2.25	0.02 2.31	0.02 2.22	0.02 2.35	0.02 2.37
Natural Gas Heat and Power	1.04	0.97	0.99	1.20	1.16	1.24	1.45	1.29	1.34	1.32	1.45	1.32	1.33
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas Subtotal	1.04	0.97	0.99	1.20	1.16	1.24	1.45	1.29	1.34	1.32	1.45	1.32	1.33
Other Industrial Coal	0.10	0.12	0.15	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

Table 6. Industrial Sector Key Indicators and Consumption

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	0.09	0.12	0.12	0.12
Coal Subtotal	0.10	0.12	0.15	0.11	0.11	0.11	0.11	0.19	0.20	0.20	0.24	0.24	0.24
Biofuels Heat and Coproducts	0.21	0.24	0.32	0.35	0.45	0.61	0.69	0.71	0.72	0.73	0.73	0.74	0.74
Purchased Electricity	0.13	0.13	0.14	0.17	0.17	0.18	0.19	0.18	0.19	0.19	0.19	0.20	0.20
Delivered Energy	3.86	3.72	3.93	3.95	4.06	4.35	4.52	4.63	4.71	4.75	4.83	4.83	4.88
Electricity Related Losses	0.29	0.29	0.30	0.36	0.37	0.39	0.40	0.40	0.40	0.41	0.41	0.42	0.42
Total	4.15	4.01	4.22	4.31	4.42	4.73	4.92	5.03	5.11	5.17	5.24	5.25	5.30
Total Industrial Sector Consumption													
Liquefied Petroleum Gases Heat and Power	0.14	0.15	0.13	0.11	0.10	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Liquefied Petroleum Gases Feedstocks	2.13	1.98	2.06	2.18	2.21	2.19	2.17	2.17	2.17	2.17	2.17	2.16	2.17
Motor Gasoline	0.32	0.32	0.32	0.32	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.33
Distillate Fuel Oil	1.21	1.23	1.30	1.24	1.21	1.19	1.18	1.18	1.18	1.19	1.19	1.19	1.20
Residual Fuel Oil	0.22	0.23	0.22	0.18	0.18	0.18	0.18	0.17	0.18	0.18	0.18	0.18	0.18
Petrochemical Feedstocks	1.54	1.38	1.32	1.42	1.47	1.47	1.48	1.49	1.49	1.49	1.49	1.49	1.49
Petroleum Coke	0.93	0.89	0.87	0.90	0.89	0.91	0.91	0.94	0.96	0.97	0.97	0.98	1.00
Asphalt and Road Oil	1.27	1.31	1.31	1.27	1.26	1.24	1.24	1.24	1.23	1.23	1.23	1.24	1.25
Still Gas	1.74	1.62	1.68	1.46	1.52	1.56	1.44	1.57	1.55	1.60	1.50	1.62	1.63
Miscellaneous Petroleum 2/	0.59	0.62	0.57	0.51	0.50	0.47	0.47	0.45	0.44	0.44	0.44	0.42	0.42
Petroleum Subtotal	10.09	9.73	9.79	9.60	9.66	9.61	9.47	9.61	9.59	9.65	9.57	9.68	9.73
Natural Gas Heat and Power	6.85	6.27	6.38	6.77	6.84	6.99	7.28	7.17	7.25	7.26	7.42	7.32	7.37
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas Feedstocks	0.60	0.57	0.58	0.59	0.59	0.58	0.58	0.58	0.58	0.58	0.58	0.57	0.57
Lease and Plant Fuel 3/	1.13	1.10	1.12	1.10	1.11	1.11	1.10	1.09	1.09	1.08	1.10	1.10	1.11
Natural Gas Subtotal	8.58	7.94	8.08	8.46	8.53	8.67	8.95	8.84	8.93	8.93	9.10	9.00	9.05
Metallurgical Coal and Coke 4/	0.79	0.66	0.71	0.65	0.64	0.63	0.63	0.62	0.61	0.61	0.61	0.60	0.60
Other Industrial Coal	1.40	1.35	1.37	1.35	1.37	1.37	1.37	1.36	1.36	1.35	1.35	1.35	1.35
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	0.09	0.12	0.12	0.12
Coal Subtotal	2.18	2.01	2.08	1.99	2.01	2.00	2.00	2.06	2.06	2.05	2.08	2.07	2.07
Biofuels Heat and Coproducts	0.21	0.24	0.32	0.35	0.45	0.61	0.69	0.71	0.72	0.73	0.73	0.74	0.74
Renewables 5/	1.70	1.44	1.57	1.58	1.58	1.58	1.60	1.62	1.64	1.67	1.69	1.71	1.74
Purchased Electricity	3.48	3.48	3.48	3.56	3.58	3.60	3.63	3.65	3.69	3.72	3.74	3.76	3.79
Delivered Energy	26.24	24.85	25.33	25.55	25.82	26.08	26.33	26.49	26.64	26.74	26.90	26.97	27.12
Electricity Related Losses	7.68	7.60	7.58	7.73	7.74	7.76	7.81	7.82	7.86	7.88	7.91	7.93	7.96
Total	33.92	32.45	32.91	33.28	33.55	33.84	34.14	34.32	34.49	34.62	34.81	34.89	35.08
Energy Consumption per dollar of Shipment 1/ (thousand Btu per 2000 dollar)													
Liquefied Petroleum Gases Heat and Power	0.02	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Liquefied Petroleum Gases Feedstocks	0.38	0.34	0.35	0.36	0.36	0.35	0.34	0.34	0.33	0.32	0.31	0.31	0.30
Motor Gasoline	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Distillate Fuel Oil	0.21	0.21	0.22	0.21	0.20	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.17
Residual Fuel Oil	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02
Petrochemical Feedstocks	0.27	0.24	0.22	0.24	0.24	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21
Petroleum Coke	0.17	0.15	0.15	0.15	0.15	0.15	0.14	0.15	0.15	0.14	0.14	0.14	0.14
Asphalt and Road Oil	0.23	0.23	0.22	0.21	0.21	0.20	0.20	0.19	0.19	0.18	0.18	0.18	0.17
Still Gas	0.31	0.28	0.29	0.24	0.25	0.25	0.23	0.24	0.24	0.24	0.22	0.23	0.23
Miscellaneous Petroleum 2/	0.10	0.11	0.10	0.09	0.08	0.08	0.07	0.07	0.07	0.07	0.06	0.06	0.06
Petroleum Subtotal	1.79	1.69	1.66	1.60	1.59	1.56	1.50	1.49	1.46	1.43	1.39	1.38	1.35
Natural Gas Heat and Power	1.21	1.09	1.08	1.13	1.13	1.13	1.16	1.11	1.10	1.08	1.08	1.04	1.02
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas Feedstocks	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08
Lease and Plant Fuel 3/	0.20	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15
Natural Gas Subtotal	1.52	1.38	1.37	1.41	1.40	1.40	1.42	1.37	1.36	1.33	1.32	1.28	1.26
Metallurgical Coal and Coke 4/	0.14	0.11	0.12	0.11	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.08
Other Industrial Coal	0.25	0.23	0.23	0.23	0.23	0.22	0.22	0.21	0.21	0.20	0.20	0.19	0.19
Coal-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02

Table 6. Industrial Sector Key Indicators and Consumption

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Coal Subtotal	0.39	0.35	0.35	0.33	0.33	0.32	0.32	0.32	0.31	0.30	0.30	0.29	0.29
Biofuels Heat and Coproducts	0.04	0.04	0.05	0.06	0.07	0.10	0.11	0.11	0.11	0.11	0.11	0.10	0.10
Renewables 5/	0.30	0.25	0.27	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.24	0.24
Purchased Electricity	0.61	0.60	0.59	0.59	0.59	0.58	0.58	0.57	0.56	0.55	0.54	0.54	0.53
Delivered Energy	4.64	4.31	4.29	4.27	4.25	4.22	4.18	4.11	4.04	3.97	3.91	3.83	3.77
Electricity Related Losses	1.36	1.32	1.29	1.29	1.27	1.26	1.24	1.21	1.19	1.17	1.15	1.13	1.11
Total	6.00	5.63	5.58	5.56	5.52	5.48	5.42	5.33	5.24	5.14	5.06	4.96	4.87
Total Industrial Combined Heat and Power													
Capacity (gigawatts)	26.31	25.53	25.96	27.71	28.26	28.73	29.28	31.14	31.86	32.48	33.57	34.19	34.83
Generation (billion kilowatthours)	153.21	143.13	143.46	158.21	162.41	165.92	169.93	184.36	189.55	194.06	202.23	206.73	211.35

Table 6. Industrial Sector Key Indicators and Consumption

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Value of Shipments															
(billion 2000 dollars)															
Manufacturing	5571	5678	5801	5933	6067	6211	6340	6481	6645	6814	6984	7149	7308	7478	2.3%
Nonmanufacturing	1760	1788	1817	1846	1867	1883	1896	1915	1940	1965	1984	1990	2003	2023	1.1%
Total	7331	7466	7617	7779	7935	8094	8236	8395	8585	8779	8968	9139	9312	9502	2.0%
Energy Prices (2005 dollars per million Btu)															
Liquefied Petroleum Gases	15.87	15.87	15.86	15.91	15.88	15.99	16.11	16.25	16.22	16.23	16.32	16.42	16.51	16.55	-0.1%
Motor Gasoline	16.17	16.25	16.60	16.56	16.68	16.97	16.85	17.03	17.25	17.07	17.22	17.45	17.46	17.68	0.2%
Distillate Fuel Oil	11.63	11.74	12.06	12.04	12.14	12.42	12.17	12.36	12.62	12.58	12.79	13.07	13.06	13.25	0.1%
Residual Fuel Oil	8.56	8.61	8.81	8.91	9.07	9.21	9.15	9.29	9.26	9.38	9.50	9.50	9.61	9.58	0.8%
Petrochemical Feedstocks	7.77	7.85	7.92	8.44	8.65	8.75	8.69	8.72	8.40	8.69	8.95	9.09	9.07	9.13	0.4%
Asphalt and Road Oil	7.24	7.22	7.29	7.40	7.48	7.60	7.60	7.75	7.82	7.94	8.08	8.14	8.22	8.28	1.3%
Natural Gas Heat and Power	5.02	4.99	4.95	5.04	5.02	5.13	5.26	5.38	5.38	5.40	5.48	5.61	5.70	5.72	-0.9%
Natural Gas Feedstocks	6.62	6.56	6.51	6.59	6.56	6.68	6.80	6.92	6.90	6.93	7.01	7.12	7.20	7.24	-0.8%
Metallurgical Coal	2.71	2.70	2.69	2.71	2.72	2.72	2.71	2.69	2.70	2.70	2.72	2.73	2.74	2.75	-0.4%
Other Industrial Coal	2.19	2.18	2.18	2.18	2.20	2.21	2.21	2.22	2.23	2.24	2.25	2.27	2.27	2.29	0.2%
Coal to Liquids	0.90	0.91	0.95	0.97	1.01	1.03	1.03	1.12	1.23	1.27	1.28	1.33	1.33	1.33	N/A
Electricity	16.85	17.02	17.00	17.07	17.13	17.14	17.21	17.33	17.35	17.31	17.30	17.33	17.43	17.43	0.2%
Energy Consumption 1/ (quadrillion Btu)															
Industrial Consumption Excluding Refining															
Liquefied Petroleum Gases Heat and Power	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	-1.8%
Liquefied Petroleum Gases Feedstocks	2.16	2.16	2.16	2.18	2.18	2.19	2.20	2.20	2.21	2.22	2.24	2.25	2.27	2.29	0.6%
Motor Gasoline	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.35	0.36	0.4%
Distillate Fuel Oil	1.20	1.21	1.21	1.22	1.22	1.22	1.22	1.23	1.23	1.24	1.25	1.25	1.25	1.26	0.1%
Residual Fuel Oil	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	-1.6%
Petrochemical Feedstocks	1.49	1.48	1.49	1.50	1.50	1.51	1.51	1.52	1.52	1.53	1.54	1.55	1.56	1.57	0.5%
Petroleum Coke	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.1%
Asphalt and Road Oil	1.25	1.26	1.27	1.29	1.29	1.30	1.31	1.32	1.33	1.35	1.36	1.36	1.36	1.37	0.2%
Miscellaneous Petroleum 2/	0.40	0.38	0.38	0.38	0.38	0.38	0.39	0.38	0.38	0.38	0.38	0.38	0.39	0.38	-1.7%
Petroleum Subtotal	7.37	7.35	7.38	7.43	7.44	7.47	7.51	7.54	7.58	7.62	7.67	7.71	7.75	7.79	0.2%
Natural Gas Heat and Power	6.05	6.09	6.16	6.22	6.31	6.38	6.43	6.49	6.57	6.66	6.74	6.81	6.89	6.97	1.1%
Natural Gas Feedstocks	0.57	0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.58	0.0%
Lease and Plant Fuel 3/	1.11	1.15	1.20	1.21	1.21	1.21	1.20	1.19	1.17	1.16	1.16	1.16	1.16	1.15	0.2%
Natural Gas Subtotal	7.73	7.81	7.92	7.99	8.09	8.15	8.20	8.26	8.31	8.39	8.47	8.54	8.62	8.70	0.9%
Metallurgical Coal and Coke 4/	0.59	0.59	0.59	0.59	0.59	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.59	-0.5%
Other Industrial Coal	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.24	1.24	1.24	1.25	1.25	1.25	0.1%
Coal Subtotal	1.82	1.81	1.81	1.81	1.82	1.82	1.82	1.82	1.83	1.83	1.83	1.84	1.84	1.84	-0.1%
Renewables 5/	1.76	1.77	1.79	1.81	1.83	1.86	1.87	1.90	1.93	1.95	1.98	2.00	2.02	2.05	1.4%
Purchased Electricity	3.59	3.59	3.61	3.63	3.64	3.66	3.68	3.70	3.73	3.76	3.79	3.82	3.84	3.87	0.6%
Delivered Energy	22.26	22.34	22.51	22.67	22.82	22.96	23.08	23.20	23.36	23.55	23.74	23.90	24.07	24.24	0.5%
Electricity Related Losses	7.55	7.53	7.54	7.56	7.56	7.57	7.59	7.59	7.60	7.62	7.65	7.67	7.69	7.70	0.2%
Total	29.81	29.87	30.06	30.23	30.38	30.53	30.67	30.79	30.96	31.17	31.39	31.57	31.75	31.94	0.5%
Refining Consumption 6/															
Liquefied Petroleum Gases Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.02	0.03	2.5%
Distillate Fuel Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Residual Fuel Oil	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	4.0%
Petroleum Coke	0.69	0.71	0.74	0.77	0.79	0.81	0.81	0.83	0.84	0.84	0.85	0.85	0.86	0.87	1.8%
Still Gas	1.53	1.61	1.65	1.56	1.65	1.71	1.68	1.68	1.57	1.73	1.75	1.65	1.64	1.78	0.4%
Miscellaneous Petroleum 2/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	1.0%
Petroleum Subtotal	2.29	2.38	2.46	2.39	2.50	2.58	2.56	2.58	2.49	2.64	2.67	2.58	2.60	2.76	0.8%
Natural Gas Heat and Power	1.45	1.37	1.34	1.47	1.38	1.33	1.36	1.37	1.54	1.36	1.36	1.51	1.53	1.36	1.4%
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Natural Gas Subtotal	1.45	1.37	1.34	1.47	1.38	1.33	1.36	1.37	1.54	1.36	1.36	1.51	1.53	1.36	1.4%
Other Industrial Coal	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.0%

Table 6. Industrial Sector Key Indicators and Consumption

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Coal-to-Liquids Heat and Power	0.14	0.17	0.19	0.21	0.23	0.33	0.35	0.48	0.67	0.81	0.81	0.88	0.90	0.93	N/A
Coal Subtotal	0.25	0.28	0.30	0.32	0.34	0.45	0.47	0.59	0.78	0.92	0.92	0.99	1.02	1.05	9.2%
Biofuels Heat and Coproducts	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	5.2%
Purchased Electricity	0.20	0.20	0.21	0.20	0.21	0.21	0.21	0.21	0.22	0.21	0.22	0.22	0.22	0.22	2.1%
Delivered Energy	4.94	4.99	5.07	5.17	5.22	5.37	5.40	5.57	5.86	5.97	6.02	6.16	6.23	6.26	2.1%
Electricity Related Losses	0.42	0.42	0.43	0.42	0.43	0.43	0.43	0.43	0.44	0.43	0.44	0.44	0.44	0.45	1.8%
Total	5.36	5.42	5.50	5.59	5.65	5.81	5.83	6.01	6.30	6.40	6.46	6.60	6.67	6.71	2.1%
Total Industrial Sector Consumption															
Liquefied Petroleum Gases Heat and Power	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.10	0.08	0.09	0.09	0.11	0.11	-1.1%
Liquefied Petroleum Gases Feedstocks	2.16	2.16	2.16	2.18	2.18	2.19	2.20	2.20	2.21	2.22	2.24	2.25	2.27	2.29	0.6%
Motor Gasoline	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.35	0.36	0.4%
Distillate Fuel Oil	1.20	1.21	1.21	1.22	1.22	1.22	1.22	1.23	1.23	1.24	1.25	1.25	1.25	1.26	0.1%
Residual Fuel Oil	0.18	0.18	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	-0.9%
Petrochemical Feedstocks	1.49	1.48	1.49	1.50	1.50	1.51	1.51	1.52	1.52	1.53	1.54	1.55	1.56	1.57	0.5%
Petroleum Coke	1.00	1.02	1.05	1.08	1.10	1.12	1.13	1.15	1.16	1.16	1.18	1.18	1.19	1.21	1.2%
Asphalt and Road Oil	1.25	1.26	1.27	1.29	1.29	1.30	1.31	1.32	1.33	1.35	1.36	1.36	1.36	1.37	0.2%
Still Gas	1.53	1.61	1.65	1.56	1.65	1.71	1.68	1.68	1.57	1.73	1.75	1.65	1.64	1.78	0.4%
Miscellaneous Petroleum 2/	0.42	0.41	0.41	0.41	0.40	0.41	0.42	0.42	0.42	0.41	0.41	0.42	0.42	0.42	-1.5%
Petroleum Subtotal	9.65	9.74	9.83	9.82	9.94	10.05	10.07	10.12	10.07	10.26	10.34	10.29	10.35	10.55	0.3%
Natural Gas Heat and Power	7.50	7.46	7.50	7.69	7.69	7.71	7.79	7.86	8.11	8.02	8.10	8.32	8.41	8.33	1.1%
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Natural Gas Feedstocks	0.57	0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.58	0.0%
Lease and Plant Fuel 3/	1.11	1.15	1.20	1.21	1.21	1.21	1.20	1.19	1.17	1.16	1.16	1.16	1.16	1.15	0.2%
Natural Gas Subtotal	9.18	9.18	9.26	9.46	9.47	9.48	9.56	9.62	9.85	9.75	9.83	10.04	10.14	10.05	0.9%
Metallurgical Coal and Coke 4/	0.59	0.59	0.59	0.59	0.59	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.59	-0.5%
Other Industrial Coal	1.35	1.34	1.34	1.34	1.34	1.35	1.35	1.35	1.35	1.35	1.36	1.36	1.36	1.36	0.0%
Coal-to-Liquids Heat and Power	0.14	0.17	0.19	0.21	0.23	0.33	0.35	0.48	0.67	0.81	0.81	0.88	0.90	0.93	N/A
Coal Subtotal	2.08	2.10	2.11	2.14	2.16	2.27	2.28	2.41	2.61	2.75	2.75	2.83	2.85	2.89	1.5%
Biofuels Heat and Coproducts	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	5.2%
Renewables 5/	1.76	1.77	1.79	1.81	1.83	1.86	1.87	1.90	1.93	1.95	1.98	2.00	2.02	2.05	1.4%
Purchased Electricity	3.79	3.79	3.82	3.83	3.85	3.87	3.89	3.91	3.94	3.97	4.01	4.04	4.06	4.09	0.6%
Delivered Energy	27.20	27.33	27.58	27.84	28.04	28.33	28.48	28.78	29.23	29.52	29.75	30.05	30.29	30.51	0.8%
Electricity Related Losses	7.97	7.96	7.98	7.98	7.99	8.01	8.01	8.02	8.03	8.05	8.09	8.11	8.13	8.15	0.3%
Total	35.17	35.29	35.56	35.82	36.03	36.34	36.50	36.80	37.26	37.57	37.84	38.17	38.42	38.66	0.7%
Energy Consumption per dollar of Shipment 1/ (thousand Btu per 2000 dollar)															
Liquefied Petroleum Gases Heat and Power	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-3.0%
Liquefied Petroleum Gases Feedstocks	0.30	0.29	0.28	0.28	0.28	0.27	0.27	0.26	0.26	0.25	0.25	0.25	0.24	0.24	-1.4%
Motor Gasoline	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-1.5%
Distillate Fuel Oil	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.13	0.13	-1.9%
Residual Fuel Oil	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-2.9%
Petrochemical Feedstocks	0.20	0.20	0.20	0.19	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	-1.5%
Petroleum Coke	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	-0.8%
Asphalt and Road Oil	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.14	-1.8%
Still Gas	0.21	0.22	0.22	0.20	0.21	0.21	0.20	0.20	0.18	0.20	0.20	0.18	0.18	0.19	-1.6%
Miscellaneous Petroleum 2/	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	-3.5%
Petroleum Subtotal	1.32	1.30	1.29	1.26	1.25	1.24	1.22	1.21	1.17	1.17	1.15	1.13	1.11	1.11	-1.7%
Natural Gas Heat and Power	1.02	1.00	0.98	0.99	0.97	0.95	0.95	0.94	0.94	0.91	0.90	0.91	0.90	0.88	-0.9%
Natural-Gas-to-Liquids Heat and Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Natural Gas Feedstocks	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	-2.0%
Lease and Plant Fuel 3/	0.15	0.15	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.13	0.13	0.13	0.12	0.12	-1.8%
Natural Gas Subtotal	1.25	1.23	1.22	1.22	1.19	1.17	1.16	1.15	1.15	1.11	1.10	1.10	1.09	1.06	-1.1%
Metallurgical Coal and Coke 4/	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	-2.4%
Other Industrial Coal	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.14	-1.9%
Coal-to-Liquids Heat and Power	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.06	0.08	0.09	0.09	0.10	0.10	0.10	N/A

Table 6. Industrial Sector Key Indicators and Consumption

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2005-2030
Coal Subtotal	0.28	0.28	0.28	0.27	0.27	0.28	0.28	0.29	0.30	0.31	0.31	0.31	0.31	0.30	-0.5%
Biofuels Heat and Coproducts	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	3.1%
Renewables 5/	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	-0.6%
Purchased Electricity	0.52	0.51	0.50	0.49	0.49	0.48	0.47	0.47	0.46	0.45	0.45	0.44	0.44	0.43	-1.4%
Delivered Energy	3.71	3.66	3.62	3.58	3.53	3.50	3.46	3.43	3.40	3.36	3.32	3.29	3.25	3.21	-1.2%
Electricity Related Losses	1.09	1.07	1.05	1.03	1.01	0.99	0.97	0.96	0.94	0.92	0.90	0.89	0.87	0.86	-1.7%
Total	4.80	4.73	4.67	4.60	4.54	4.49	4.43	4.38	4.34	4.28	4.22	4.18	4.13	4.07	-1.3%
Total Industrial Combined Heat and Power															
Capacity (gigawatts)	35.86	36.85	37.83	39.05	40.11	42.20	43.39	45.71	48.82	51.52	52.34	54.01	55.34	56.54	3.2%
Generation (billion kilowatthours)	218.39	226.58	233.83	243.02	250.92	266.92	275.81	293.59	317.63	338.36	344.30	356.99	366.94	375.86	3.9%

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 lubricants and miscellaneous petroleum products.

3/ Represents natural gas used in well, field, and lease operations, and in natural gas processing plant machinery.

4/ Includes net coal coke imports.

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

6/ Includes energy consumed by petroleum, coal to liquids, and natural gas to liquids, and biofuel refiners. Excludes hydrogen production at refiners which is included

in Industrial Consumption.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2004 and 2005 are model results and may differ slightly from official EIA data reports.

Sources: 2004 and 2005 prices for motor gasoline and distillate fuel oil are based on: Energy Information Administration (EIA), Petroleum Marketing Annual 2005, DOE/EIA-0487(2005) (Washington, DC, August 2006). 2004 and 2005 coal prices are based on: EIA, Quarterly Coal Report, October-December 2005, DOE/EIA-0121(2005/4Q) (Washington, DC, March 2006) and EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a. 2004 and 2005 electricity prices: Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 natural gas prices are based on: EIA, Manufacturing Energy Consumption Survey 1994 and industrial and wellhead prices from the Natural Gas Annual 2004, DOE/EIA-0131(2004) (Washington, DC, December 2005) and the Natural Gas Monthly, DOE/EIA-0130(2006/04) (Washington, DC, April 2006). 2004 refining consumption values based on: Petroleum Supply Annual 2004, DOE/EIA-0340(2004)/1 (Washington, DC, June 2005). 2005 refining consumption values based on: Petroleum Supply Annual 2005, DOE/EIA-0340(2005)/1 (Washington, DC, October 2006). Other 2004 and 2005 consumption values are based on: EIA, Annual Energy Review 2005, DOE/EIA-0384(2005) (Washington, DC, July 2006). 2004 and 2005 shipments: Global Insight industry model, July 2005. Projections: EIA, AEO2007 National Energy Modeling System run aeo2007.d112106a.