

2

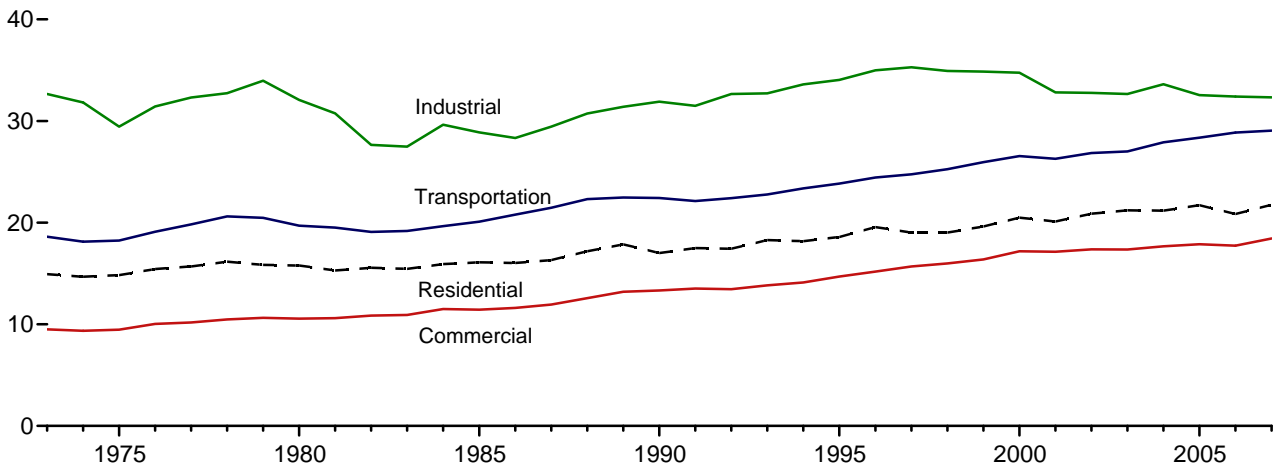
Energy Consumption by Sector



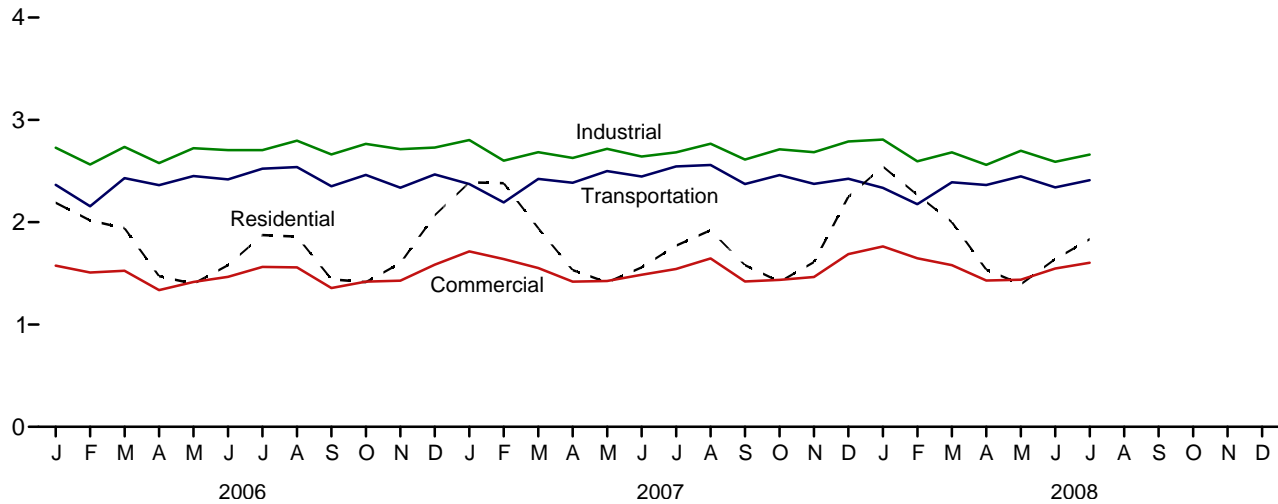
Office buildings, industries, residences, and transport systems, Baltimore, Maryland; east view from the inner harbor.
Source: U.S. Department of Energy.

Figure 2.1 Energy Consumption by Sector
(Quadrillion Btu)

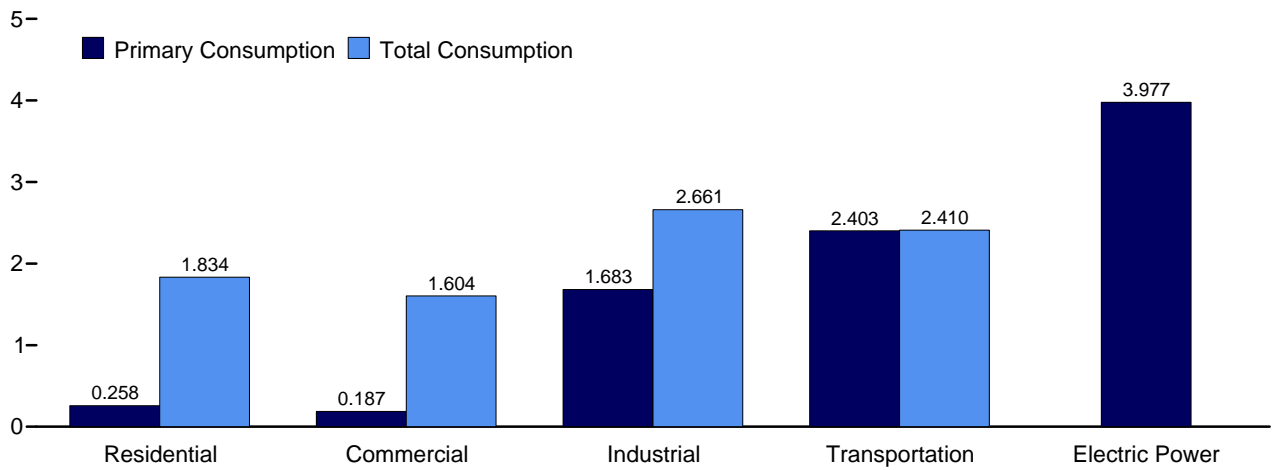
Total Consumption by End-Use Sector, 1973-2007



Total Consumption by End-Use Sector, Monthly



By Sector, July 2008



Note: Because vertical scales differ, graphs should not be compared.
Web Page: <http://www.eia.doe.gov/emeu/mer/consump.html>
Source: Table 2.1.

Table 2.1 Energy Consumption by Sector
(Trillion Btu)

	End-Use Sectors								Electric Power Sector ^{c,d}	Balancing Item ^g	Total ^h
	Residential		Commercial ^a		Industrial ^b		Transportation				
	Primary ^e	Total ^f	Primary ^e	Total ^f	Primary ^e	Total ^f	Primary ^e	Total ^f			
1973 Total	8,250	14,930	4,381	9,507	24,741	32,653	18,576	18,612	19,753	7	75,708
1975 Total	8,006	14,842	4,023	9,466	21,454	29,447	18,209	18,244	20,307	1	71,999
1980 Total	7,453	15,787	4,074	10,563	22,610	32,077	19,658	19,696	24,327	-1	78,122
1985 Total	7,161	16,088	3,695	11,444	19,466	28,875	20,041	20,087	26,132	-4	76,491
1990 Total	6,570	17,015	3,858	13,333	21,206	31,894	22,366	22,420	30,660	-9	84,652
1995 Total	6,946	18,578	4,063	14,698	22,746	34,045	23,793	23,849	33,621	3	91,173
1996 Total	7,471	19,562	4,235	15,181	23,444	34,989	24,384	24,439	34,638	4	94,175
1997 Total	7,040	19,026	4,257	15,694	23,721	35,288	24,697	24,752	35,045	6	94,765
1998 Total	6,424	19,021	3,964	15,979	23,211	34,928	25,203	25,258	36,385	-3	95,183
1999 Total	6,784	19,621	4,007	16,384	22,991	34,855	25,894	25,951	37,136	6	96,817
2000 Total	7,169	20,488	4,227	17,176	22,871	34,758	26,491	26,552	38,214	2	98,975
2001 Total	6,879	20,106	4,036	17,141	21,836	32,806	26,215	26,278	37,366	-6	96,326
2002 Total	6,938	20,874	4,099	17,367	21,857	32,765	26,787	26,848	38,171	5	97,858
2003 Total	7,252	21,208	4,239	17,351	21,576	32,650	26,928	27,002	38,218	-3	98,209
2004 Total	7,019	21,178	4,180	17,664	22,455	33,609	27,820	27,899	38,876	(s)	100,351
2005 Total	6,941	21,717	4,014	17,875	21,467	32,546	28,280	28,361	39,799	6	100,506
2006 January	911	2,190	494	1,576	1,859	2,729	2,358	2,365	3,238	(s)	8,860
February	902	2,017	488	1,509	1,708	2,563	2,150	2,156	2,998	-1	8,245
March	819	1,941	444	1,525	1,846	2,736	2,424	2,431	3,099	-2	8,631
April	509	1,473	294	1,336	1,696	2,577	2,355	2,362	2,893	-3	7,745
May	349	1,399	226	1,415	1,760	2,723	2,444	2,451	3,210	-1	7,987
June	274	1,580	194	1,466	1,752	2,704	2,412	2,418	3,535	1	8,169
July	252	1,874	182	1,564	1,726	2,704	2,516	2,523	3,989	3	8,667
August	246	1,858	187	1,559	1,827	2,797	2,531	2,538	3,960	3	8,755
September	260	1,442	193	1,357	1,782	2,662	2,345	2,351	3,232	(s)	7,812
October	385	1,414	253	1,419	1,853	2,765	2,456	2,462	3,113	-2	8,058
November	566	1,599	327	1,429	1,835	2,713	2,331	2,337	3,020	-1	8,078
December	804	2,067	433	1,584	1,851	2,730	2,460	2,466	3,301	2	8,850
Total	6,276	20,855	3,716	17,737	21,494	32,404	28,781	28,861	39,589	(s)	99,856
2007 January	1,006	2,388	525	1,714	1,918	2,803	2,365	2,373	3,465	1	^R 9,279
February	1,104	2,380	574	1,640	1,792	2,601	2,186	2,193	3,159	(s)	8,814
March	810	1,941	446	1,552	1,813	2,684	2,415	2,422	3,116	-3	8,596
April	555	1,532	322	1,419	1,748	2,627	2,379	2,385	2,959	-3	7,960
May	345	1,411	221	1,425	1,774	^R 2,717	2,493	2,500	3,221	-2	8,052
June	267	1,558	190	1,487	1,702	2,643	2,440	2,447	3,536	1	8,135
July	249	1,770	178	1,542	1,731	2,682	2,537	2,544	3,843	3	8,542
August	250	1,921	187	1,645	1,763	2,767	2,553	2,560	4,140	4	^R 8,896
September	254	1,580	187	1,420	1,735	^R 2,612	2,366	2,372	3,443	1	^R 7,985
October	326	1,417	226	1,437	^R 1,794	2,713	2,454	2,460	3,227	-1	8,026
November	580	1,610	339	1,464	1,790	^R 2,684	2,368	2,374	3,057	-1	8,132
December	947	2,249	507	1,688	^R 1,878	2,789	2,417	2,424	3,400	(s)	9,150
Total	6,691	21,755	3,902	18,434	^R 21,439	^R 32,325	28,971	29,055	40,567	-1	^R 101,568
2008 January	1,106	2,544	584	^R 1,764	1,910	2,807	2,328	2,335	3,522	2	9,452
February	1,034	2,267	561	1,647	1,750	2,595	2,169	2,176	3,170	(s)	8,685
March	850	2,002	468	1,579	1,788	2,682	2,383	2,390	3,165	-1	8,652
April	553	1,536	^R 330	^R 1,430	1,687	2,561	2,358	^R 2,364	2,963	-2	^R 7,888
May	372	1,393	^R 241	^R 1,438	1,711	2,699	^R 2,442	^R 2,449	3,212	^R -2	7,977
June	^R 281	^R 1,639	194	^R 1,547	^R 1,636	^R 2,590	^R 2,333	^R 2,340	^R 3,673	1	^R 8,118
July	258	^E 1,834	187	^E 1,604	1,683	^E 2,661	2,403	^E 2,410	^E 3,977	2	^E 8,511
7-Month Total	4,455	^E 13,214	2,565	^E 11,008	12,164	^E 18,595	16,416	^E 16,464	^E 23,682	(s)	^E 59,283
2007 7-Month Total	4,335	12,981	2,456	10,780	12,477	18,757	16,815	16,864	23,299	-3	59,378
2006 7-Month Total	4,016	12,473	2,322	10,391	12,347	18,736	16,659	16,706	22,962	-2	58,303

^a Commercial sector, including commercial combined-heat-and-power (CHP) and commercial electricity-only plants.

^b Industrial sector, including industrial combined-heat-and-power (CHP) and industrial electricity-only plants.

^c Electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public.

^d Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities and independent power producers.

^e See Note 2, "Primary Energy Consumption," at end of Section 1.

^f Total energy consumption in the end-use sectors consists of primary energy consumption, electricity retail sales, and electrical system energy losses. See Note 2, "Electrical System Energy Losses," at end of section.

^g A balancing item. The sum of primary consumption in the five energy-use

sectors equals the sum of total consumption in the four end-use sectors. However, total energy consumption does not equal the sum of the sectoral components due to the use of sector-specific conversion factors for coal and natural gas.

^h Primary energy consumption total. See Table 1.3.

^R=Revised. ^E=Estimate. (s)=Less than +0.5 trillion Btu and greater than -0.5 trillion Btu.

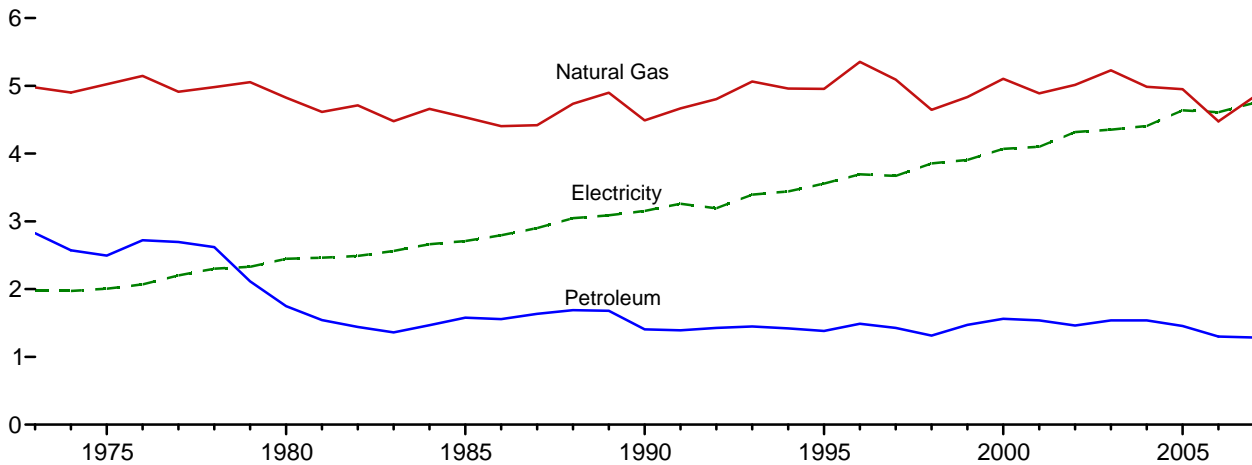
Notes: • See Note, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 1, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: See <http://www.eia.doe.gov/emeu/mer/consump.html> for all available data beginning in 1973.

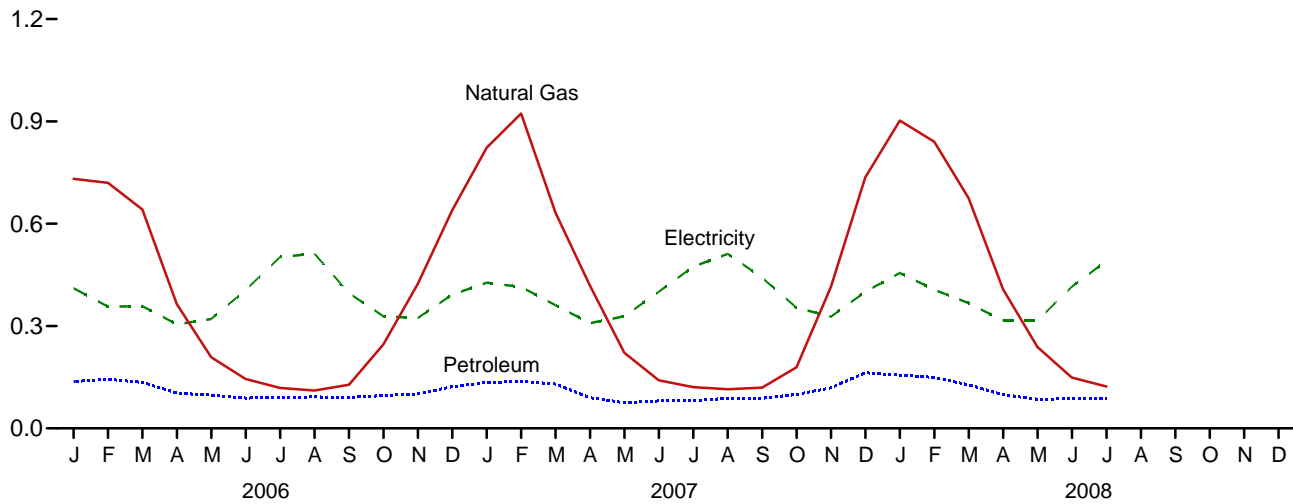
Sources: Tables 1.3 and 2.2-2.6.

Figure 2.2 Residential Sector Energy Consumption
(Quadrillion Btu)

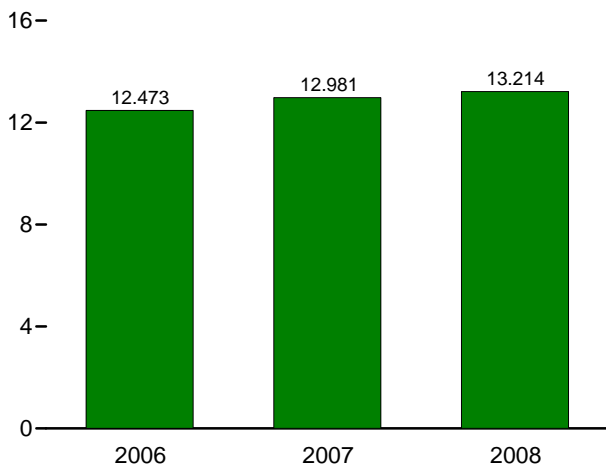
By Major Sources, 1973-2007



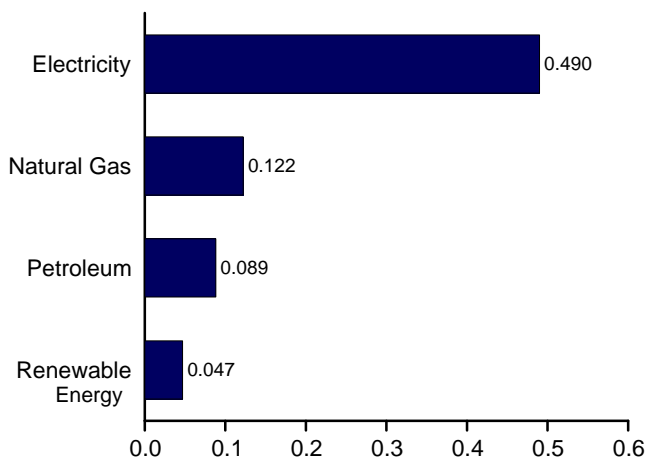
By Major Sources, Monthly



Total, January-July



By Major Sources, July 2008



Note: Because vertical scales differ, graphs should not be compared.
Web Page: <http://www.eia.doe.gov/emeu/mer/consump.html>.
Source: Table 2.2.

Table 2.2 Residential Sector Energy Consumption
(Trillion Btu)

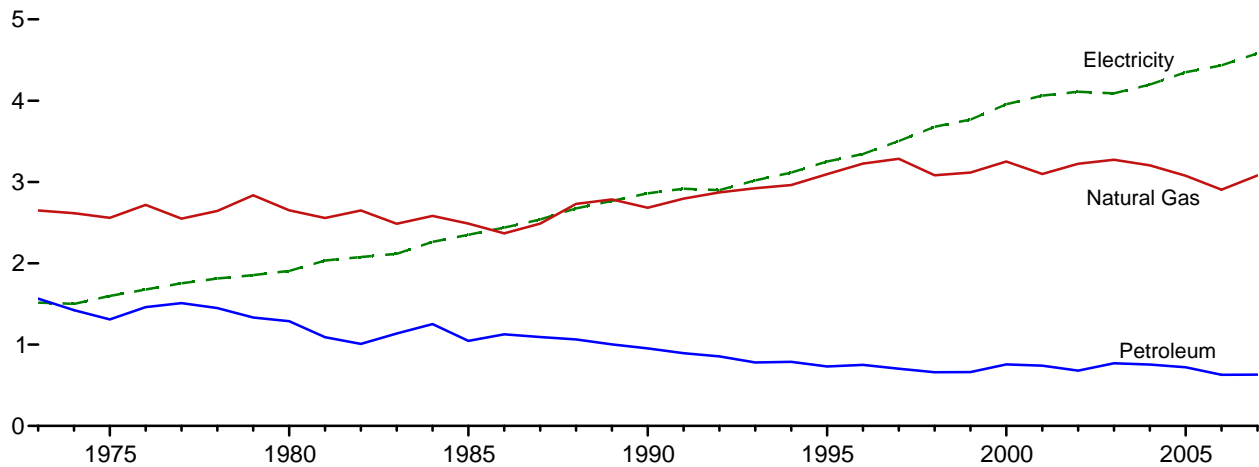
	Primary Consumption ^a									Electricity Retail Sales ^d	Electrical System Energy Losses ^e	Total
	Fossil Fuels				Renewable Energy ^b				Total Primary			
	Coal	Natural Gas ^c	Petro- leum	Total	Geo- thermal	Solar/ PV	Bio- mass	Total				
1973 Total	94	4,977	2,825	7,896	NA	NA	354	354	8,250	1,976	4,703	14,930
1975 Total	63	5,023	2,495	7,580	NA	NA	425	425	8,006	2,007	4,829	14,842
1980 Total	31	4,825	1,748	6,603	NA	NA	850	850	7,453	2,448	5,885	15,787
1985 Total	39	4,534	1,578	6,151	NA	NA	1,010	1,010	7,161	2,709	6,219	16,088
1990 Total	31	4,491	1,407	5,929	6	56	580	641	6,570	3,153	7,291	17,015
1995 Total	17	4,954	1,383	6,355	7	65	520	591	6,946	3,557	8,075	18,578
1996 Total	17	5,354	1,488	6,859	7	65	540	612	7,471	3,694	8,397	19,562
1997 Total	16	5,093	1,428	6,537	8	65	430	503	7,040	3,671	8,315	19,026
1998 Total	12	4,646	1,314	5,971	8	65	380	452	6,424	3,856	8,741	19,021
1999 Total	14	4,835	1,473	6,322	9	64	390	462	6,784	3,906	8,931	19,621
2000 Total	11	5,105	1,563	6,679	9	61	420	490	7,169	4,069	9,250	20,488
2001 Total	12	4,889	1,539	6,440	9	60	370	439	6,879	4,100	9,127	20,106
2002 Total	12	5,014	1,463	6,489	10	59	380	449	6,938	4,317	9,619	20,874
2003 Total	12	5,230	1,539	6,781	13	58	400	471	7,252	4,353	9,603	21,208
2004 Total	11	4,986	1,539	6,537	14	59	410	483	7,019	4,408	9,750	21,178
2005 Total	8	4,951	1,455	6,414	16	61	450	527	6,941	4,638	10,139	21,717
2006 January	1	732	137	869	2	6	35	42	911	411	868	2,190
February	1	720	144	864	1	5	31	38	902	357	758	2,017
March	1	641	135	777	2	6	35	42	819	358	763	1,941
April	(s)	364	103	468	2	6	34	41	509	305	659	1,473
May	(s)	209	97	306	2	6	35	42	349	321	730	1,399
June	(s)	145	89	234	2	6	34	41	274	405	900	1,580
July	(s)	118	91	210	2	6	35	42	252	503	1,119	1,874
August	(s)	111	92	204	2	6	35	42	246	512	1,100	1,858
September	(s)	128	91	219	2	6	34	41	260	396	786	1,442
October	(s)	246	96	343	2	6	35	42	385	328	701	1,414
November	1	423	101	525	2	6	34	41	566	324	710	1,599
December	1	639	122	762	2	6	35	42	804	392	871	2,067
Total	6	4,476	1,299	5,780	18	67	410	495	6,276	4,611	9,968	20,855
2007 January	1	823	134	958	2	6	39	47	1,006	427	955	2,388
February	1	923	138	1,061	2	6	35	43	1,104	414	862	2,380
March	1	632	130	762	2	6	39	47	810	361	771	1,941
April	(s)	419	90	509	2	6	38	46	555	308	669	1,532
May	(s)	221	75	297	2	6	39	47	345	329	737	1,411
June	(s)	141	80	221	2	6	38	46	267	400	891	1,558
July	(s)	121	81	202	2	6	39	47	249	474	1,047	1,770
August	(s)	115	88	203	2	6	39	47	250	512	1,159	1,921
September	(s)	119	89	208	2	6	38	46	254	442	884	1,580
October	1	179	99	279	2	6	39	47	326	354	737	1,417
November	1	414	119	534	2	6	38	46	580	327	704	1,610
December	1	736	163	899	2	6	39	47	947	400	902	2,249
Total	6	4,842	1,286	6,134	22	74	460	556	6,691	4,749	10,316	21,755
2008 January	1	902	156	1,059	2	6	39	47	1,106	456	982	2,544
February	1	841	149	990	2	6	36	44	1,034	406	826	2,267
March	1	675	127	803	2	6	39	47	850	367	785	2,002
April	^R 1	408	99	507	2	6	38	46	553	316	667	1,536
May	^R 1	239	85	325	2	6	39	47	372	316	706	1,393
June	(s)	149	87	236	2	6	38	46	^R 281	^R 415	^R 943	^R 1,639
July	(s)	122	89	211	2	6	39	47	258	^F 490	^E 1,085	^E 1,834
7-Month Total	4	3,336	792	4,131	13	43	268	324	4,455	^E 2,767	^E 5,992	^E 13,214
2007 7-Month Total	4	3,280	728	4,011	13	43	267	323	4,335	2,714	5,932	12,981
2006 7-Month Total	3	2,929	796	3,728	11	39	238	288	4,016	2,659	5,798	12,473

^a See Note 2, "Primary Energy Consumption," at end of Section 1.
^b Data are estimates. See Table 10.2a for notes on series components.
^c Natural gas only; excludes the estimated portion of supplemental gaseous fuels. See Note 3, "Supplemental Gaseous Fuels," at end of Section 4.
^d Electricity retail sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
^e Total losses are calculated as the primary energy consumed by the electric power sector minus the energy content of electricity retail sales. Total losses are allocated to the end-use sectors in proportion to each sector's share of total electricity retail sales. See Note 2, "Electrical System Energy Losses," at end of

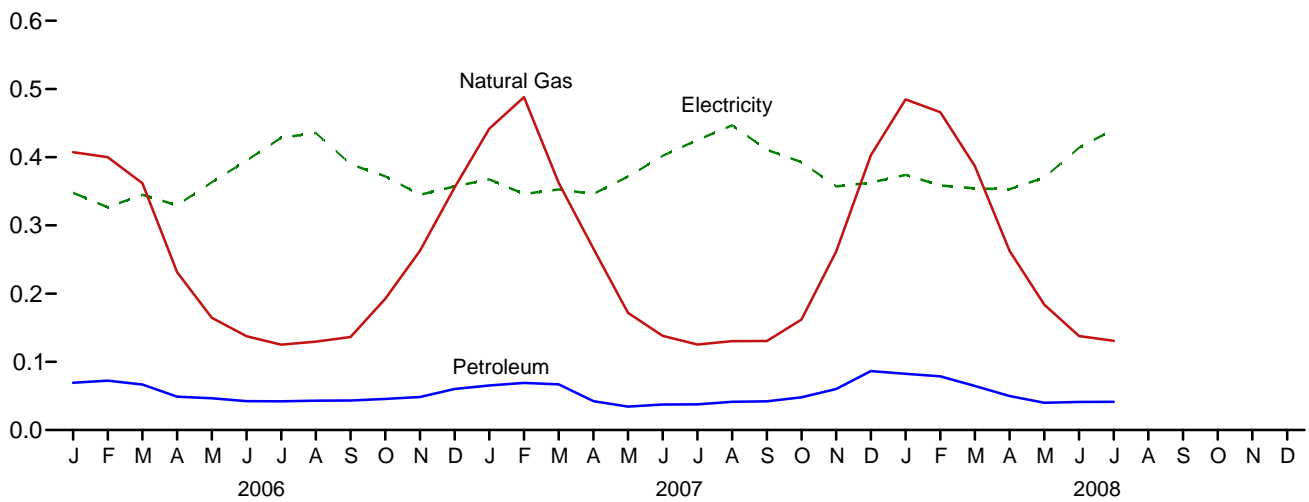
section.
R=Revised. E=Estimate. NA=Not available. F=Forecast. (s)=Less than 0.5 trillion Btu.
Notes: • See Note 1, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding.
• Geographic coverage is the 50 States and the District of Columbia.
Web Page: See <http://www.eia.doe.gov/emeu/mer/consump.html> for all available data beginning in 1973.
Sources: Tables 2.6, 3.8a, 4.3, 6.2, 7.6, 10.2a, A4, A5, and A6.

Figure 2.3 Commercial Sector Energy Consumption
(Quadrillion Btu)

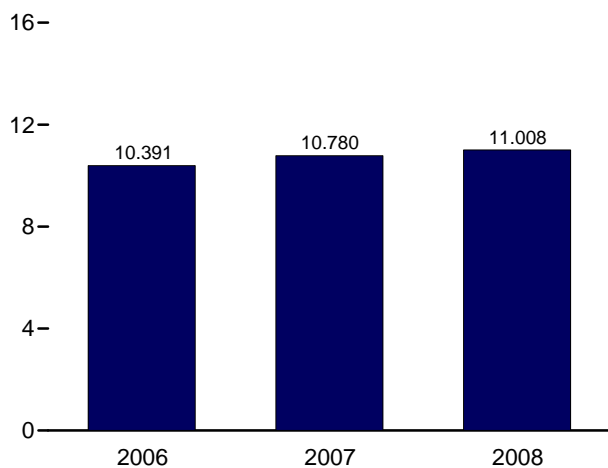
By Major Sources, 1973-2007



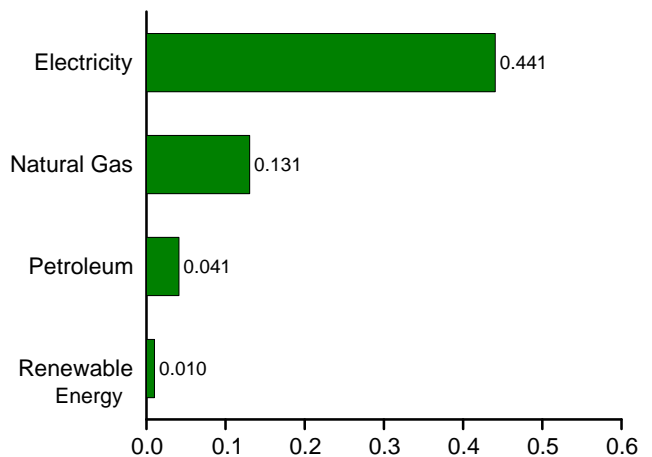
By Major Sources, Monthly



Total, January-July



By Major Sources, July 2008



Note: Because vertical scales differ, graphs should not be compared.
Web Page: <http://www.eia.doe.gov/emeu/mer/consump.html>.
Source: Table 2.3.

Table 2.3 Commercial Sector Energy Consumption
(Trillion Btu)

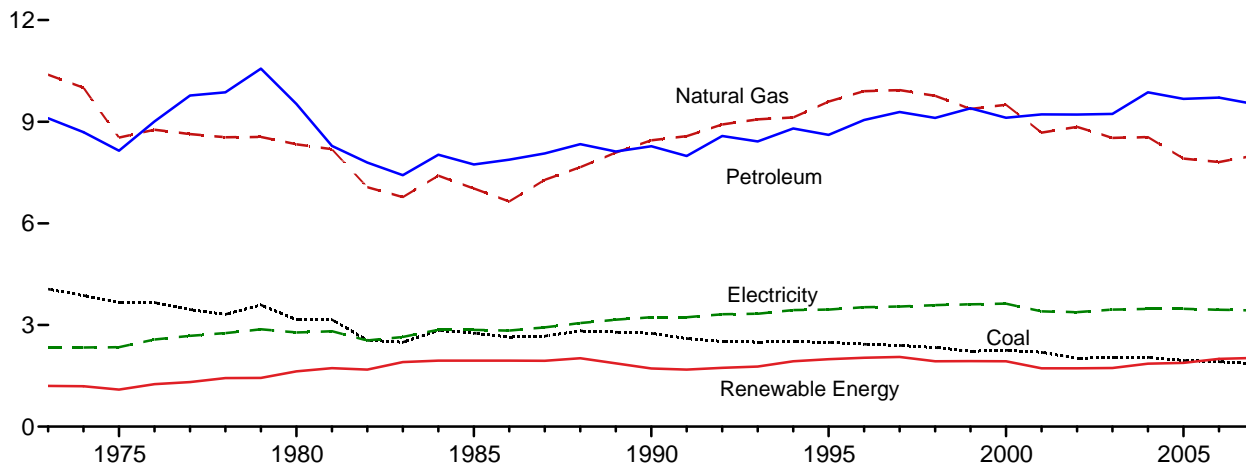
	Primary Consumption ^a								Total Primary	Electricity Retail Sales ^f	Electrical System Energy Losses ^g	Total
	Fossil Fuels				Renewable Energy ^b							
	Coal	Natural Gas ^c	Petro-leum ^d	Total	Hydro-electric Power ^e	Geo-thermal	Bio-mass	Total				
1973 Total	160	2,649	1,565	4,374	NA	NA	7	7	4,381	1,517	3,609	9,507
1975 Total	147	2,558	1,310	4,015	NA	NA	8	8	4,023	1,598	3,845	9,466
1980 Total	115	2,651	1,287	4,053	NA	NA	21	21	4,074	1,906	4,582	10,563
1985 Total	137	2,488	1,045	3,670	NA	NA	24	24	3,695	2,351	5,398	11,444
1990 Total	124	2,682	953	3,760	1	3	94	98	3,858	2,860	6,615	13,333
1995 Total	117	3,096	732	3,945	1	5	113	118	4,063	3,252	7,382	14,698
1996 Total	122	3,226	751	4,099	1	5	129	135	4,235	3,344	7,603	15,181
1997 Total	129	3,285	704	4,118	1	6	131	138	4,257	3,503	7,935	15,694
1998 Total	93	3,083	661	3,837	1	7	118	127	3,964	3,678	8,338	15,979
1999 Total	103	3,115	661	3,879	1	7	121	129	4,007	3,766	8,610	16,384
2000 Total	92	3,252	756	4,099	1	8	119	128	4,227	3,956	8,993	17,176
2001 Total	97	3,097	741	3,935	1	8	92	101	4,036	4,062	9,043	17,141
2002 Total	90	3,225	680	3,995	(s)	9	95	104	4,099	4,110	9,158	17,367
2003 Total	82	3,274	770	4,126	1	11	101	113	4,239	4,090	9,023	17,351
2004 Total	103	3,204	755	4,062	1	12	105	118	4,180	4,198	9,286	17,664
2005 Total	97	3,076	721	3,894	1	14	105	119	4,014	4,351	9,511	17,875
2006 January	7	407	69	484	(s)	1	9	10	494	348	735	1,576
February	6	400	72	479	(s)	1	8	9	488	327	694	1,509
March	6	362	67	435	(s)	1	8	10	444	345	736	1,525
April	4	231	49	285	(s)	1	8	10	294	329	712	1,336
May	4	165	47	215	(s)	1	9	10	226	363	827	1,415
June	5	138	42	185	(s)	1	8	10	194	395	877	1,466
July	5	125	42	172	(s)	1	9	10	182	428	954	1,564
August	5	130	43	177	(s)	1	9	10	187	436	936	1,559
September	4	136	43	184	(s)	1	8	9	193	390	774	1,357
October	6	192	46	244	(s)	1	9	10	253	372	793	1,419
November	7	263	48	318	(s)	1	8	10	327	345	757	1,429
December	8	355	60	423	(s)	1	9	10	433	357	794	1,584
Total	66	2,905	629	3,599	1	14	102	117	3,716	4,435	9,586	17,737
2007 January	7	442	65	515	(s)	1	9	10	525	367	822	1,714
February	7	488	69	564	(s)	1	8	9	574	346	720	1,640
March	7	362	67	436	(s)	1	9	10	446	353	753	1,552
April	5	266	42	313	(s)	1	8	9	322	346	751	1,419
May	5	172	34	211	(s)	1	9	10	221	371	833	1,425
June	5	138	37	180	(s)	1	9	10	190	402	895	1,487
July	5	125	38	168	(s)	1	9	10	178	425	939	1,542
August	5	130	41	177	(s)	1	9	10	187	447	1,012	1,645
September	5	131	42	177	(s)	1	8	10	187	411	822	1,420
October	6	162	48	216	(s)	1	9	10	226	393	818	1,437
November	7	262	60	329	(s)	1	9	10	339	357	768	1,464
December	8	403	86	497	(s)	1	9	10	507	363	817	1,688
Total	71	3,080	632	3,783	1	14	104	119	3,902	4,581	9,951	18,434
2008 January	7	485	82	R 575	(s)	1	8	9	584	374	806	R 1,764
February	7	466	79	551	(s)	1	8	9	561	358	728	1,647
March	7	387	65	458	(s)	1	8	10	468	354	757	1,579
April	R 7	263	50	R 320	(s)	1	9	10	R 330	353	747	R 1,430
May	R 8	184	40	R 231	(s)	1	9	10	R 241	370	827	R 1,438
June	5	138	41	184	(s)	1	9	10	194	R 414	R 939	R 1,547
July	F 5	131	41	177	F (s)	1	9	10	187	F 441	E 976	E 1,604
7-Month Total	E 45	2,052	398	2,496	E (s)	8	60	69	2,565	E 2,665	E 5,779	E 11,008
2007 7-Month Total	40	1,993	353	2,387	1	8	60	69	2,456	2,611	5,712	10,780
2006 7-Month Total	37	1,828	388	2,254	1	8	59	68	2,322	2,535	5,534	10,391

^a See Note 2, "Primary Energy Consumption," at end of Section 1.
^b Most data are estimates. See Table 10.2a for notes on series components and estimation.
^c Natural gas only; excludes the estimated portion of supplemental gaseous fuels. See Note 3, "Supplemental Gaseous Fuels," at end of Section 4.
^d Does not include the fuel ethanol portion of motor gasoline—fuel ethanol is included in "Biomass."
^e Conventional hydroelectric power.
^f Electricity retail sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
^g Total losses are calculated as the primary energy consumed by the electric power sector minus the energy content of electricity retail sales. Total losses are allocated to the end-use sectors in proportion to each sector's share of total

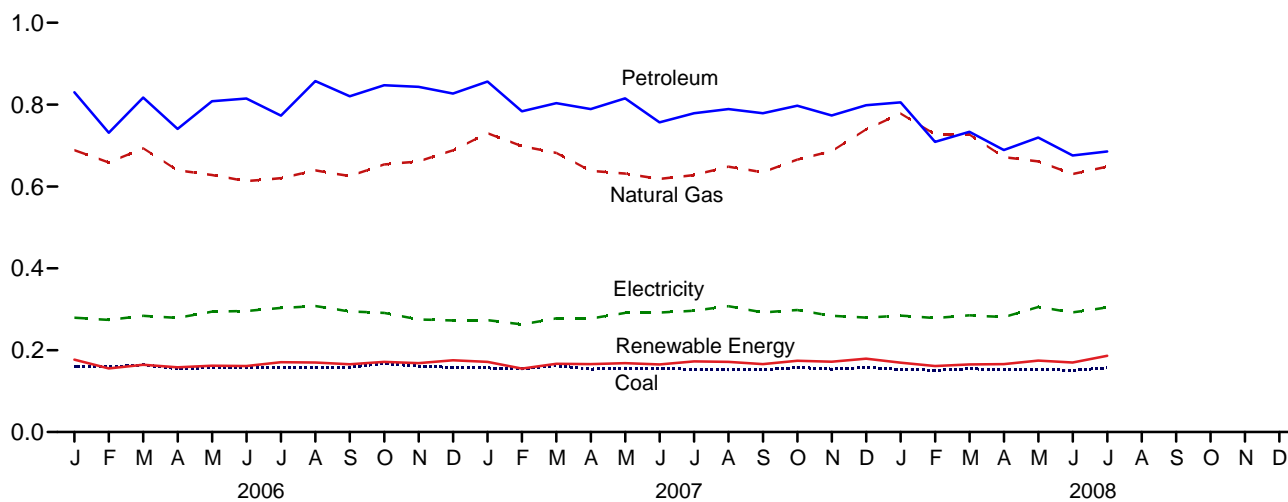
electricity retail sales. See Note 2, "Electrical System Energy Losses," at end of section.
R=Revised. E=Estimate. NA=Not available. F=Forecast. (s)=Less than 0.5 trillion Btu.
Notes: • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. See Note, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 1, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.
Web Page: See <http://www.eia.doe.gov/emeu/mer/consump.html> for all available data beginning in 1973.
Sources: Tables 2.6, 3.8a, 4.3, 6.2, 7.6, 10.2a, A4, A5, and A6.

Figure 2.4 Industrial Sector Energy Consumption
(Quadrillion Btu)

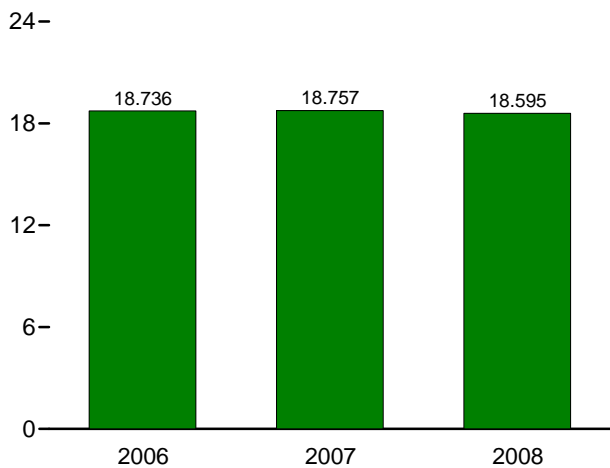
By Major Sources, 1973-2007



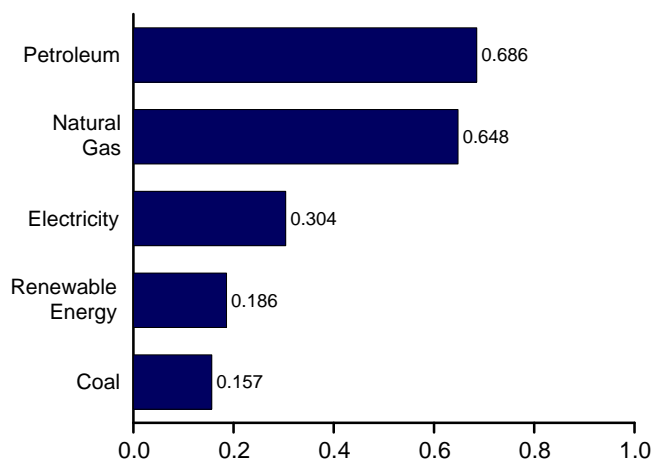
By Major Sources, Monthly



Total, January-July



By Major Sources, July 2008



Note: Because vertical scales differ, graphs should not be compared.
Web Page: <http://www.eia.doe.gov/emeu/mer/consump.html>
Source: Table 2.4.

Table 2.4 Industrial Sector Energy Consumption
(Trillion Btu)

	Primary Consumption ^a									Electricity Retail Sales ^g	Electrical System Energy Losses ^h	Total ^e
	Fossil Fuels				Renewable Energy ^b				Total Primary			
	Coal	Natural Gas ^c	Petro-leum ^d	Total ^e	Hydro-electric Power ^f	Geo-thermal	Bio-mass	Total				
1973 Total	4,057	10,388	9,104	23,541	35	NA	1,165	1,200	24,741	2,341	5,571	32,653
1975 Total	3,667	8,532	8,146	20,359	32	NA	1,063	1,096	21,454	2,346	5,647	29,447
1980 Total	3,155	8,333	9,525	20,977	33	NA	1,600	1,633	22,610	2,781	6,686	32,077
1985 Total	2,760	7,032	7,738	17,516	33	NA	1,917	1,950	19,466	2,855	6,554	28,875
1990 Total	2,756	8,451	8,278	19,490	31	2	1,683	1,716	21,206	3,226	7,461	31,894
1995 Total	2,488	9,592	8,613	20,754	55	3	1,935	1,992	22,746	3,455	7,844	34,045
1996 Total	2,434	9,901	9,052	21,410	61	3	1,970	2,033	23,444	3,527	8,018	34,989
1997 Total	2,395	9,933	9,289	21,663	58	3	1,997	2,058	23,721	3,542	8,024	35,288
1998 Total	2,335	9,763	9,114	21,280	55	3	1,873	1,931	23,211	3,587	8,131	34,928
1999 Total	2,227	9,375	9,395	21,054	49	4	1,883	1,936	22,991	3,611	8,254	34,855
2000 Total	2,256	9,500	9,119	20,941	42	4	1,884	1,930	22,871	3,631	8,256	34,758
2001 Total	2,192	8,676	9,217	20,115	33	5	1,684	1,721	21,836	3,400	7,570	32,806
2002 Total	2,019	8,845	9,209	20,135	39	5	1,679	1,723	21,857	3,379	7,528	32,765
2003 Total	2,041	8,521	9,232	19,845	43	3	1,684	1,731	21,576	3,454	7,620	32,650
2004 Total	2,047	8,544	9,865	20,594	33	4	1,824	1,861	22,455	3,473	7,682	33,609
2005 Total	1,954	7,911	9,673	19,583	32	4	1,848	1,884	21,467	3,477	7,602	32,546
2006 January	161	689	830	1,682	4	(s)	173	177	1,859	279	590	2,729
February	159	658	731	1,553	3	(s)	152	155	1,708	274	582	2,563
March	164	693	817	1,682	2	(s)	162	164	1,846	284	606	2,736
April	155	639	741	1,538	2	(s)	156	158	1,696	279	603	2,577
May	157	628	808	1,597	2	(s)	160	162	1,760	294	669	2,723
June	157	613	815	1,591	2	(s)	159	161	1,752	296	656	2,704
July	158	620	773	1,555	2	(s)	168	171	1,726	303	675	2,704
August	158	639	857	1,657	2	(s)	168	170	1,827	308	662	2,797
September	158	625	820	1,617	2	(s)	163	165	1,782	295	585	2,662
October	168	654	847	1,681	3	(s)	168	171	1,853	291	621	2,765
November	161	661	843	1,666	4	(s)	164	168	1,835	275	604	2,713
December	158	688	827	1,676	3	(s)	172	175	1,851	273	606	2,730
Total	1,914	7,809	9,711	19,495	29	4	1,966	1,999	21,494	3,451	7,459	32,404
2007 January	157	730	856	^R 1,746	4	(s)	167	171	1,918	273	612	2,803
February	154	^R 698	784	1,637	2	(s)	153	155	1,792	263	547	2,601
March	162	682	803	1,646	2	(s)	164	167	1,813	278	593	2,684
April	154	638	789	1,582	2	(s)	164	166	1,748	277	602	2,627
May	156	^R 631	815	1,606	2	(s)	166	168	1,774	291	653	^R 2,717
June	156	^R 618	757	^R 1,536	2	(s)	163	165	1,702	292	649	2,643
July	153	628	779	^R 1,558	1	(s)	171	172	1,731	296	655	2,682
August	152	^R 648	789	1,592	2	(s)	169	171	1,763	308	697	2,767
September	152	635	779	1,569	1	(s)	165	166	1,735	292	585	^R 2,612
October	158	^R 665	797	1,621	1	(s)	172	174	^R 1,794	298	620	2,713
November	154	686	773	1,618	1	(s)	170	172	1,790	284	610	^R 2,684
December	158	739	799	1,699	2	(s)	177	179	^R 1,878	280	631	2,789
Total	1,865	^R 8,001	9,521	^R 19,411	23	5	2,000	2,028	^R 21,439	3,432	7,454	^R 32,325
2008 January	153	778	806	1,741	2	(s)	166	169	1,910	284	612	2,807
February	151	727	709	1,589	3	(s)	158	161	1,750	279	566	2,595
March	^R 154	727	734	1,623	3	(s)	162	165	1,788	285	609	2,682
April	152	672	689	1,521	2	(s)	163	166	1,687	281	593	2,561
May	154	661	719	1,537	2	(s)	172	174	1,711	305	682	2,699
June	151	^R 631	^R 676	^R 1,466	^R 1	(s)	^R 168	^R 170	^R 1,636	^R 292	^R 663	^R 2,590
July	157	648	686	1,496	^F 1	(s)	184	186	1,683	^F 304	^E 674	^E 2,661
7-Month Total	1,072	4,844	5,018	10,972	^E 15	3	1,174	1,192	12,164	^E 2,031	^E 4,400	^E 18,595
2007 7-Month Total	1,092	4,626	5,583	11,312	15	3	1,147	1,165	12,477	1,970	4,309	18,757
2006 7-Month Total	1,112	4,541	5,516	11,198	16	3	1,130	1,149	12,347	2,009	4,380	18,736

^a See Note 2, "Primary Energy Consumption," at end of Section 1.

^b Most data are estimates. See Table 10.2b for notes on series components and estimation.

^c Natural gas only; excludes the estimated portion of supplemental gaseous fuels. See Note 3, "Supplemental Gaseous Fuels," at end of Section 4.

^d Does not include the fuel ethanol portion of motor gasoline—fuel ethanol is included in "Biomass."

^e Includes coal coke net imports, which are not separately displayed. See Tables 1.4a and 1.4b.

^f Conventional hydroelectric power.

^g Electricity retail sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

^h Total losses are calculated as the primary energy consumed by the electric power sector minus the energy content of electricity retail sales. Total losses are

allocated to the end-use sectors in proportion to each sector's share of total electricity retail sales. See Note 2, "Electrical System Energy Losses," at end of section.

R=Revised. E=Estimate. NA=Not available. F=Forecast. (s)=Less than 0.5 trillion Btu.

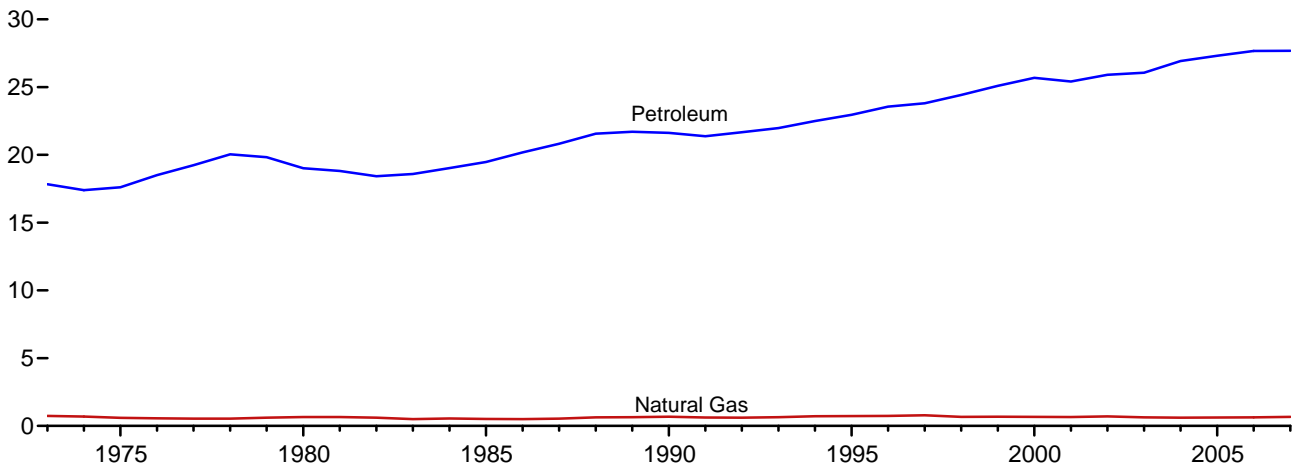
Notes: • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. See Note, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 1, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: See <http://www.eia.doe.gov/emeu/mer/consump.html> for all available data beginning in 1973.

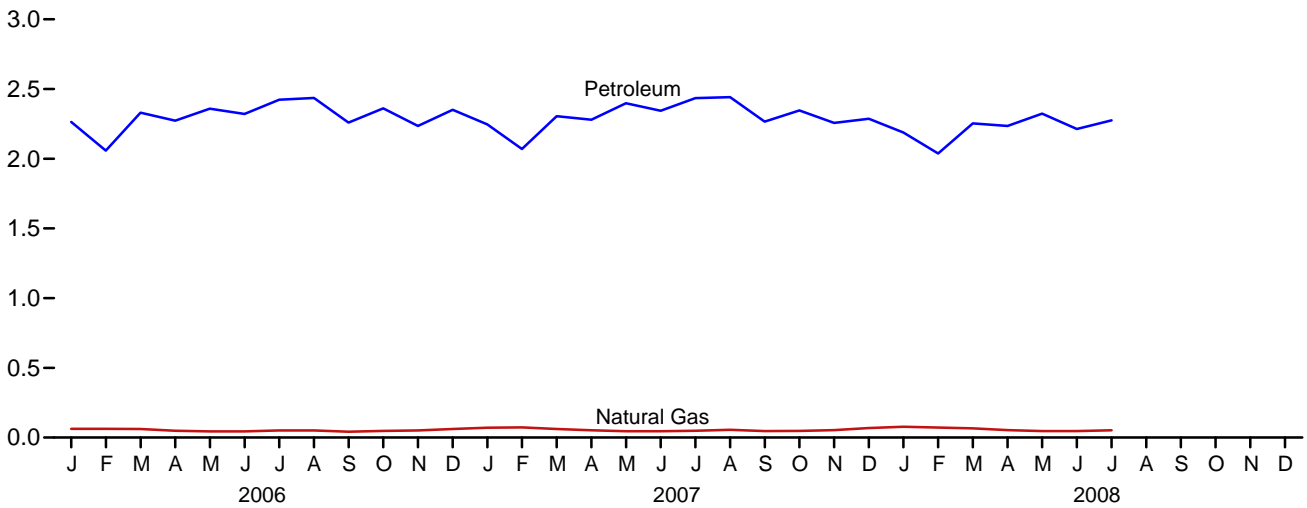
Sources: Tables 1.4a, 1.4b, 2.6, 3.8b, 4.3, 6.2, 7.6, 10.2b, A4, A5, and A6.

Figure 2.5 Transportation Sector Energy Consumption
(Quadrillion Btu)

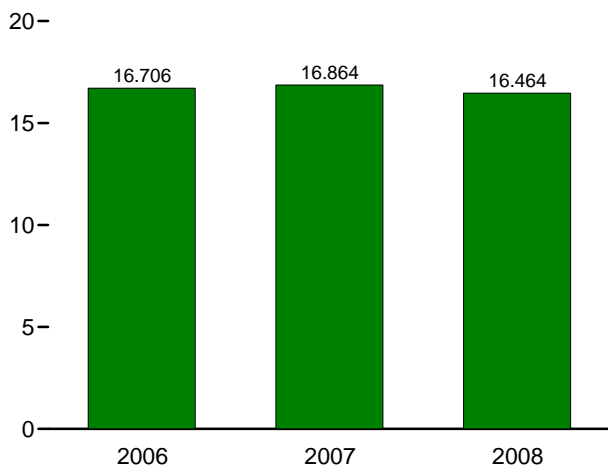
By Major Sources, 1973-2007



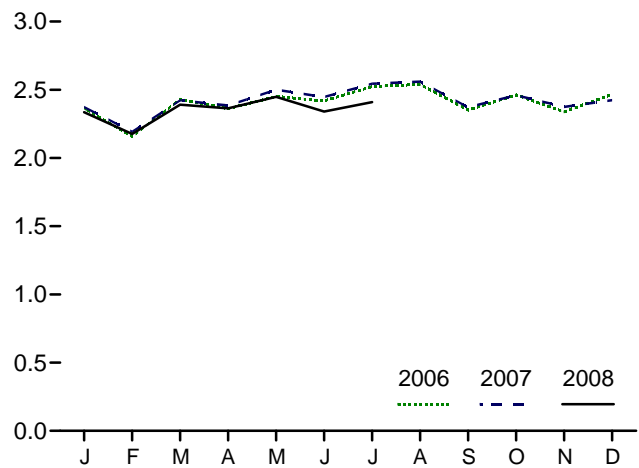
By Major Sources, Monthly



Total, January-July



Total, Monthly



Note: Because vertical scales differ, graphs should not be compared.
Web Page: <http://www.eia.doe.gov/emeu/mer/consump.html>.
Source: Table 2.5.

Table 2.5 Transportation Sector Energy Consumption
(Trillion Btu)

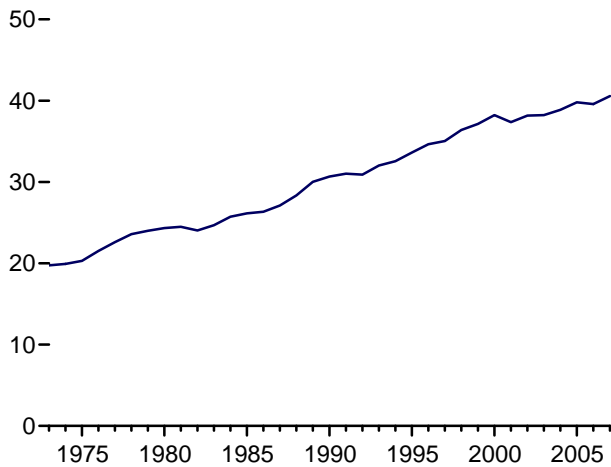
	Primary Consumption ^a						Electricity Retail Sales ^e	Electrical System Energy Losses ^f	Total
	Fossil Fuels				Renewable Energy ^b	Total Primary			
	Coal	Natural Gas ^c	Petroleum ^d	Total	Biomass				
1973 Total	3	743	17,831	18,576	NA	18,576	11	25	18,612
1975 Total	1	595	17,614	18,209	NA	18,209	10	24	18,244
1980 Total	(^g)	650	19,009	19,658	NA	19,658	11	27	19,696
1985 Total	(^g)	519	19,471	19,990	51	20,041	14	32	20,087
1990 Total	(^g)	680	21,625	22,305	62	22,366	16	37	22,420
1995 Total	(^g)	724	22,954	23,678	115	23,793	17	39	23,849
1996 Total	(^g)	737	23,565	24,302	82	24,384	17	38	24,439
1997 Total	(^g)	780	23,813	24,593	104	24,697	17	38	24,752
1998 Total	(^g)	666	24,422	25,088	115	25,203	17	38	25,258
1999 Total	(^g)	675	25,098	25,774	120	25,894	17	40	25,951
2000 Total	(^g)	672	25,682	26,354	138	26,491	18	42	26,552
2001 Total	(^g)	658	25,413	26,071	145	26,215	20	43	26,278
2002 Total	(^g)	702	25,913	26,615	172	26,787	19	42	26,848
2003 Total	(^g)	630	26,063	26,693	235	26,928	23	51	27,002
2004 Total	(^g)	603	26,922	27,525	296	27,820	25	55	27,899
2005 Total	(^g)	625	27,309	27,934	346	28,280	26	56	28,361
2006 January	(^g)	63	2,264	2,326	31	2,358	2	5	2,365
February	(^g)	62	2,059	2,121	29	2,150	2	4	2,156
March	(^g)	62	2,330	2,392	33	2,424	2	5	2,431
April	(^g)	49	2,273	2,322	34	2,355	2	4	2,362
May	(^g)	44	2,360	2,404	41	2,444	2	4	2,451
June	(^g)	45	2,322	2,366	45	2,412	2	5	2,418
July	(^g)	51	2,423	2,474	42	2,516	2	5	2,523
August	(^g)	51	2,436	2,486	45	2,531	2	5	2,538
September	(^g)	42	2,259	2,301	44	2,345	2	4	2,351
October	(^g)	47	2,362	2,409	46	2,456	2	4	2,462
November	(^g)	51	2,235	2,286	45	2,331	2	4	2,337
December	(^g)	61	2,351	2,412	48	2,460	2	5	2,466
Total	(^g)	626	27,672	28,298	483	28,781	25	54	28,861
2007 January	(^g)	70	2,247	2,317	48	2,365	2	6	2,373
February	(^g)	73	2,069	2,142	43	2,186	2	5	2,193
March	(^g)	61	2,305	2,366	49	2,415	2	5	2,422
April	(^g)	52	2,280	2,332	46	2,379	2	4	2,385
May	(^g)	45	2,398	2,443	50	2,493	2	5	2,500
June	(^g)	45	2,344	2,389	51	2,440	2	5	2,447
July	(^g)	48	2,434	2,483	55	2,537	2	5	2,544
August	(^g)	56	2,441	2,497	55	2,553	2	5	2,560
September	(^g)	46	2,266	2,312	53	2,366	2	4	2,372
October	(^g)	48	2,347	2,394	59	2,454	2	4	2,460
November	(^g)	53	2,257	2,310	58	2,368	2	5	2,374
December	(^g)	69	2,287	2,356	61	2,417	2	5	2,424
Total	(^g)	667	27,675	28,342	629	28,971	26	57	29,055
2008 January	(^g)	78	2,188	2,265	62	2,328	2	5	2,335
February	(^g)	71	2,038	2,109	60	2,169	2	5	2,176
March	(^g)	66	2,253	2,319	64	2,383	2	5	2,390
April	(^g)	^R 53	2,235	^R 2,288	70	2,358	2	4	^R 2,364
May	(^g)	^R 46	2,324	^R 2,370	72	^R 2,442	2	5	^R 2,449
June	(^g)	47	^R 2,213	^R 2,260	73	^R 2,333	2	5	^R 2,340
July	(^g)	52	2,275	2,327	76	2,403	^F 2	^E 5	^E 2,410
7-Month Total	(^g)	413	15,526	15,939	478	16,416	^E 15	^E 33	^E 16,464
2007 7-Month Total	(^g)	395	16,077	16,472	342	16,815	16	34	16,864
2006 7-Month Total	(^g)	374	16,030	16,404	255	16,659	15	32	16,706

^a See Note 2, "Primary Energy Consumption," at end of Section 1.
^b Data are estimates. See Table 10.2b for notes on series components.
^c Natural gas only; does not include supplemental gaseous fuels. See Note 3, "Supplemental Gaseous Fuels," at end of Section 4.
^d Does not include the fuel ethanol portion of motor gasoline—fuel ethanol is included in "Biomass."
^e Electricity retail sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
^f Total losses are calculated as the primary energy consumed by the electric power sector minus the energy content of electricity retail sales. Total losses are allocated to the end-use sectors in proportion to each sector's share of total

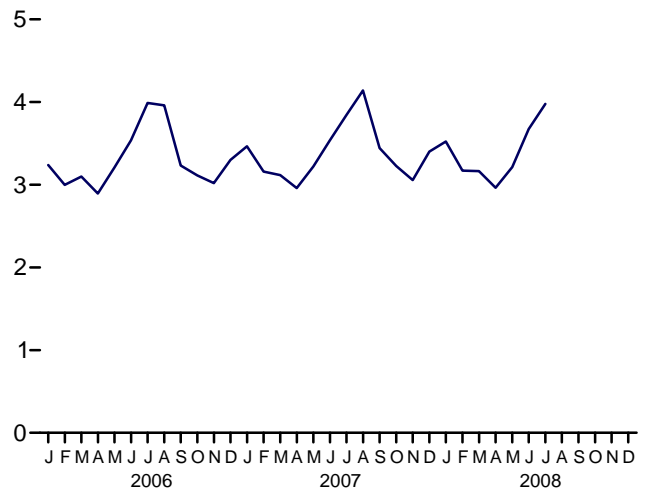
electricity retail sales. See Note 2, "Electrical System Energy Losses," at end of section.
^g Beginning in 1978, the small amounts of coal consumed for transportation are reported as industrial sector consumption.
R=Revised. E=Estimate. NA=Not available. F=Forecast.
Notes: • See Note 1, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding.
• Geographic coverage is the 50 States and the District of Columbia.
Web Page: See <http://www.eia.doe.gov/emeu/mer/consump.html> for all available data beginning in 1973.
Sources: Tables 2.6, 3.8c, 4.3, 6.2, 7.6, 10.2b, A4, A5, and A6.

Figure 2.6 Electric Power Sector Energy Consumption
(Quadrillion Btu)

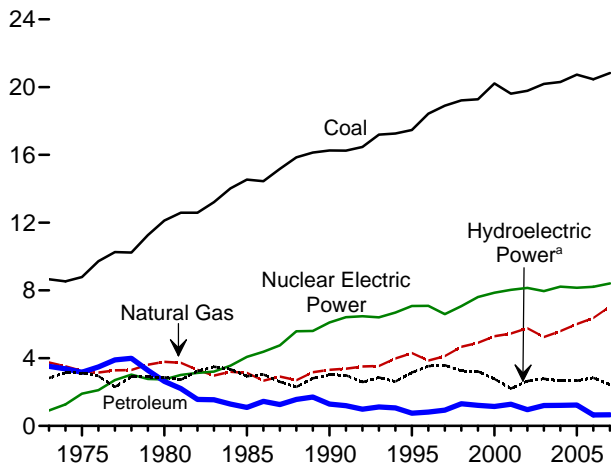
Total, 1973-2007



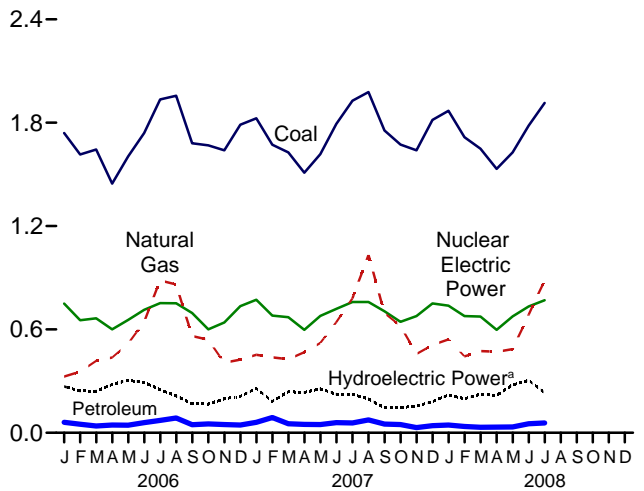
Total, Monthly



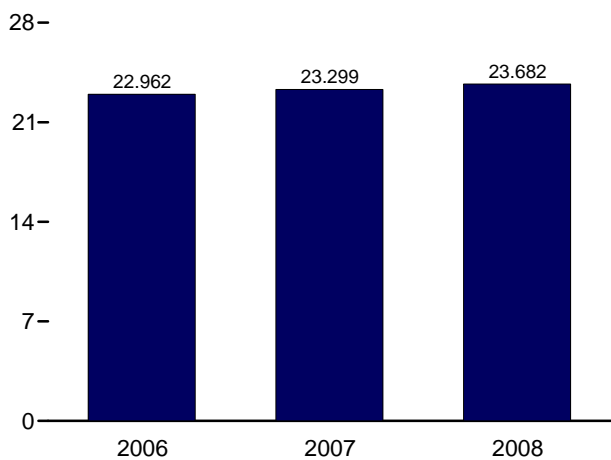
By Major Sources, 1973-2007



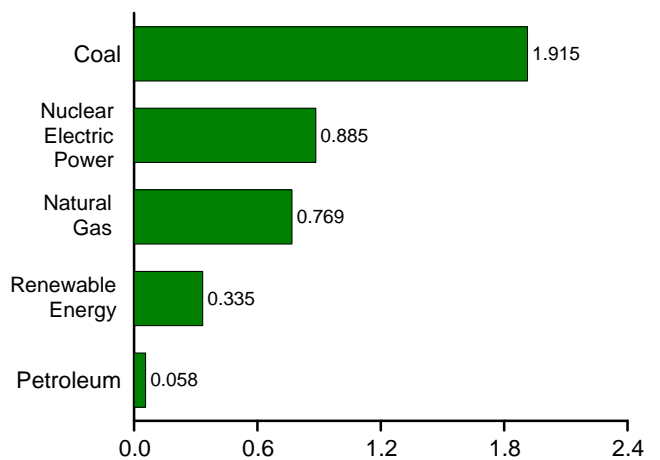
By Major Sources, Monthly



Total, January-July



By Major Sources, July 2008



^aConventional hydroelectric power.
Note: Because vertical scales differ, graphs should not be compared.

Web Page: <http://www.eia.doe.gov/emeu/mer/consump.html>.
Source: Table 2.6.

Table 2.6 Electric Power Sector Energy Consumption
(Trillion Btu)

	Primary Consumption ^a												Elec- tricity Net Imports	Total Primary
	Fossil Fuels				Nuclear Electric Power	Renewable Energy ^b								
	Coal	Natural Gas ^c	Petro- leum	Total		Hydro- electric Power ^d	Geo- thermal	Solar/ PV	Wind	Bio- mass	Total			
1973 Total	8,658	3,748	3,515	15,921	910	2,827	43	NA	NA	3	2,873	49	19,753	
1975 Total	8,786	3,240	3,166	15,191	1,900	3,122	70	NA	NA	2	3,194	21	20,307	
1980 Total	12,123	3,778	2,634	18,534	2,739	2,867	110	NA	NA	4	2,982	71	24,327	
1985 Total	14,542	3,135	1,090	18,767	4,076	2,937	198	(s)	(s)	14	3,150	140	26,132	
1990 Total^e	16,261	3,309	1,289	20,859	6,104	3,014	326	4	29	317	3,689	8	30,660	
1995 Total	17,466	4,302	755	22,523	7,075	3,149	280	5	33	422	3,889	134	33,621	
1996 Total	18,429	3,862	817	23,109	7,087	3,528	300	5	33	438	4,305	137	34,638	
1997 Total	18,905	4,126	927	23,957	6,597	3,581	309	5	34	446	4,375	116	35,045	
1998 Total	19,216	4,675	1,306	25,197	7,068	3,241	311	5	31	444	4,032	88	36,385	
1999 Total	19,279	4,902	1,211	25,393	7,610	3,218	312	5	46	453	4,034	99	37,136	
2000 Total	20,220	5,293	1,144	26,658	7,862	2,768	296	5	57	453	3,579	115	38,214	
2001 Total	19,614	5,458	1,277	26,348	8,033	2,209	289	6	70	337	2,910	75	37,366	
2002 Total	19,783	5,767	961	26,511	8,143	2,650	305	6	105	380	3,445	72	38,171	
2003 Total	20,185	5,246	1,205	26,636	7,959	2,781	303	5	115	397	3,601	22	38,218	
2004 Total	20,305	5,595	1,212	27,112	8,222	2,656	311	6	142	388	3,503	39	38,876	
2005 Total	20,737	6,015	1,235	27,986	8,160	2,670	309	6	178	406	3,568	84	39,799	
2006 January	1,740	326	61	2,128	750	268	26	(s)	24	37	355	5	3,238	
February	1,615	355	50	2,020	653	243	23	(s)	19	34	319	5	2,998	
March	1,644	417	39	2,101	665	242	27	(s)	23	35	327	6	3,099	
April	1,446	437	46	1,928	601	281	24	1	25	30	360	5	2,893	
May	1,605	517	44	2,166	655	304	23	1	24	33	384	5	3,210	
June	1,740	645	59	2,444	714	293	25	1	20	34	373	5	3,535	
July	1,936	885	72	2,893	753	250	27	1	19	36	333	10	3,989	
August	1,957	861	86	2,904	751	214	27	1	16	37	295	10	3,960	
September	1,681	561	47	2,289	695	169	26	1	19	34	248	(s)	3,232	
October	1,669	540	51	2,260	600	166	27	(s)	24	34	252	1	3,113	
November	1,640	406	48	2,094	641	197	25	(s)	25	35	283	3	3,020	
December	1,789	425	46	2,259	735	211	27	(s)	25	36	299	8	3,301	
Total	20,462	6,375	648	27,485	8,214	2,839	306	5	264	412	3,827	63	39,589	
2007 January	1,826	453	60	2,339	772	258	27	(s)	24	38	347	6	3,465	
February	1,672	438	89	2,199	681	183	25	(s)	25	36	269	10	3,159	
March	1,628	428	53	2,108	671	239	26	(s)	30	36	331	6	3,116	
April	1,510	468	49	2,027	598	235	24	1	32	33	325	10	2,959	
May	1,617	521	48	2,186	678	255	25	1	28	34	343	13	3,221	
June	1,793	643	59	2,494	719	225	26	1	24	36	311	11	3,536	
July	1,928	781	57	2,766	759	223	27	1	19	36	306	13	3,843	
August	1,978	1,032	75	3,085	759	196	27	1	24	37	285	11	4,140	
September	1,755	695	51	2,501	705	144	26	1	26	35	232	5	3,443	
October	1,673	620	48	2,341	644	146	27	(s)	30	32	236	6	3,227	
November	1,640	457	30	2,127	678	155	26	(s)	27	36	243	9	3,057	
December	1,817	510	42	2,368	751	182	27	(s)	28	37	275	7	3,400	
Total	20,835	7,046	660	28,542	8,415	2,440	312	6	319	427	3,503	107	40,567	
2008 January	1,869	542	45	2,455	738	219	25	(s)	37	36	318	11	3,522	
February	1,716	443	37	2,196	678	198	23	(s)	32	33	286	10	3,170	
March	1,649	474	32	2,155	675	224	26	1	41	36	327	7	3,165	
April	1,532	470	33	2,036	598	217	25	1	45	33	321	9	2,963	
May	1,628	485	34	2,147	676	278	26	1	44	32	382	8	3,212	
June	^R 1,783	^R 685	^R 53	^R 2,521	^R 733	^R 304	26	1	^R 43	^R 35	^R 410	9	^R 3,673	
July	^F 1,915	^F 885	^F 58	^F 2,858	^F 769	^F 232	^F 28	^F 1	^F 35	^F 39	^F 335	16	^E 3,977	
7-Month Total	^E 12,091	^E 3,985	^E 291	^E 16,367	^E 4,866	^E 1,672	^E 179	^E 5	^E 277	^E 245	^E 2,378	^E 71	^E 23,682	
2007 7-Month Total	11,973	3,731	415	16,119	4,878	1,617	180	4	183	249	2,232	69	23,299	
2006 7-Month Total	11,727	3,581	370	15,678	4,791	1,882	174	3	155	237	2,451	41	22,962	

^a See Note 2, "Primary Energy Consumption," at end of Section 1.
^b See Table 10.2c for notes on series components.
^c Natural gas only; excludes the estimated portion of supplemental gaseous fuels. See Note 3, "Supplemental Gaseous Fuels," at end of Section 4.
^d Conventional hydroelectric power.
^e Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities and independent power producers.
R=Revised. E=Estimate. NA=Not available. F=Forecast. (s)=Less than 0.5 trillion Btu.
Notes: • Data are for fuels consumed to produce electricity and useful thermal

output. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • See Note 1, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.
Web Page: See <http://www.eia.doe.gov/emeu/mer/consump.html> for all available data beginning in 1973.
Sources: Tables 3.8c, 4.3, 6.2, 7.1, 7.2b, 10.2c, A4, A5, and A6.

Energy Consumption by Sector

Note 1. Energy Consumption Data and Surveys. Most of the data in this section of the *Monthly Energy Review (MER)* are developed from a group of energy-related surveys, typically called "supply surveys," conducted by the Energy Information Administration (EIA). Supply surveys are directed to suppliers and marketers of specific energy sources. They measure the quantities of specific energy sources produced, or the quantities supplied to the market, or both. The data obtained from EIA's supply surveys are integrated to yield the summary consumption statistics published in this section (and in Section 1) of the *MER*.

Users of EIA's energy consumption statistics should be aware of a second group of energy-related surveys, typically called "consumption surveys." Consumption surveys gather information on the types of energy consumed by end users of energy, along with the characteristics of those end users that can be associated with energy use. For example, the Manufacturing Energy Consumption Survey belongs to the consumption survey group because it collects information directly from end users (the manufacturing establishments). There are important differences between the supply and consumption surveys that need to be taken into account in any analysis that uses both data sources. For information on those differences, see *Energy Consumption by End-Use*

Sector, A Comparison of Measures by Consumption and Supply Surveys, DOE/EIA-0533, Energy Information Administration, Washington, DC, April 6, 1990.

Note 2. Electrical System Energy Losses. Electrical system energy losses are calculated as the difference between total primary consumption by the electric power sector (see Table 2.6) and the total energy content of electricity retail sales (see Tables 7.6 and A6). Most of these losses occur at steam-electric power plants (conventional and nuclear) in the conversion of heat energy into mechanical energy to turn electric generators. The loss is a thermodynamically necessary feature of the steam-electric cycle. Part of the energy input-to-output losses is a result of imputing fossil energy equivalent inputs for hydroelectric and other energy sources, since there is no generally accepted practice for measuring those thermal conversion rates. In addition to conversion losses, other losses include power plant use of electricity, transmission and distribution of electricity from power plants to end-use consumers (also called "line losses"), and unaccounted for electricity. Total losses are allocated to the end-use sectors in proportion to each sector's share of total electricity sales. Overall, approximately 67 percent of total energy input is lost in conversion; of electricity generated, approximately 5 percent is lost in plant use and 9 percent is lost in transmission and distribution.