

2

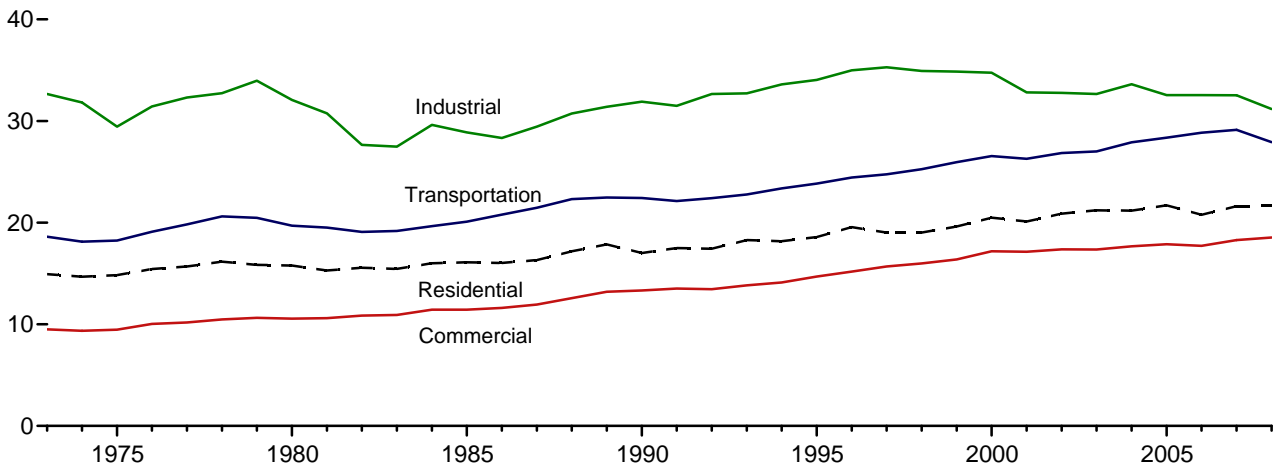
Energy Consumption by Sector



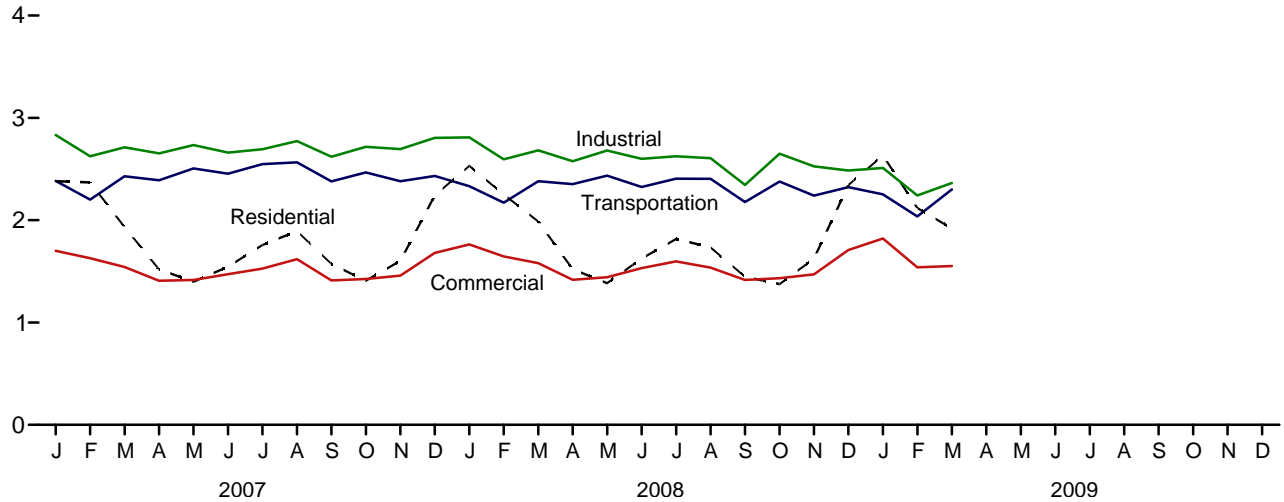
Office buildings, industries, residences, and transport systems, Baltimore, Maryland; east view from the inner harbor.
Source: U.S. Department of Energy.

Figure 2.1 Energy Consumption by Sector
(Quadrillion Btu)

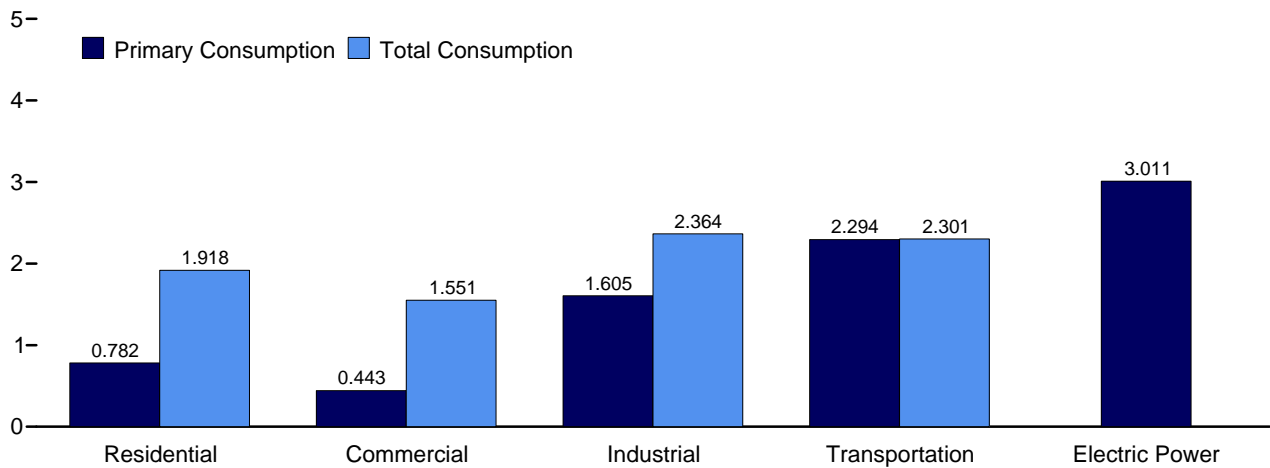
Total Consumption by End-Use Sector, 1973-2008



Total Consumption by End-Use Sector, Monthly



By Sector, March 2009



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	Primary ^e		
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	19,468	28,877	20,041	20,087	26,132	-9	76,493
1990 Total	6,570	17,015	3,858	13,333	21,208	31,895	22,366	22,420	30,660	-4	84,654
1995 Total	6,946	18,578	4,063	14,698	22,748	34,047	23,793	23,849	33,621	3	91,174
1996 Total	7,471	19,562	4,235	15,181	23,444	34,989	24,384	24,439	34,638	4	94,176
1997 Total	7,040	19,026	4,257	15,694	23,722	35,288	24,697	24,752	35,045	6	97,766
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	26,216	26,279	37,366	-6	96,326
2002 Total	6,938	20,874	4,099	17,367	21,857	32,764	26,788	26,849	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	6,921	21,697	4,014	17,875	21,466	32,545	28,280	28,361	39,799	6	100,485
2006 Total	6,191	20,770	3,703	17,724	21,632	32,541	28,761	28,841	39,589	(s)	99,875
2007 January	1,000	2,381	524	1,700	1,924	2,833	2,375	2,383	3,474	(s)	9,297
February	1,099	2,370	574	1,628	1,804	2,625	2,193	2,201	3,153	-2	8,821
March	804	1,933	446	1,542	1,829	2,711	2,422	2,430	3,116	-4	8,613
April	549	1,518	323	1,408	1,759	2,653	2,383	2,390	2,956	-4	7,967
May	339	1,399	222	1,416	1,775	2,734	2,498	2,505	3,220	-2	8,052
June	262	1,546	189	1,473	1,703	2,661	2,446	2,454	3,533	(s)	8,134
July	244	1,757	178	1,526	1,725	2,694	2,541	2,549	3,839	3	8,529
August	245	1,893	186	1,618	1,762	2,773	2,558	2,566	4,099	4	8,854
September	249	1,572	186	1,411	1,727	2,620	2,372	2,379	3,448	(s)	7,981
October	320	1,408	224	1,425	1,784	2,717	2,460	2,466	3,229	-2	8,015
November	575	1,602	339	1,459	1,784	2,696	2,373	2,380	3,065	-2	8,135
December	941	2,242	506	1,680	1,877	2,805	2,424	2,432	3,409	-1	9,157
Total	6,626	21,619	3,896	18,287	21,454	32,523	29,046	29,134	40,542	-10	101,554
2008 January	1,102	2,530	576	1,763	1,935	2,809	2,324	R 2,332	3,498	(s)	9,434
February	1,025	2,251	553	1,646	1,773	2,595	2,164	2,171	3,147	-2	8,661
March	840	1,986	461	1,580	1,811	2,683	2,374	2,381	3,144	-3	8,627
April	540	1,521	321	1,417	1,704	2,576	2,346	2,352	2,956	-4	7,863
May	366	1,385	235	1,442	1,730	2,681	2,429	2,435	3,184	-3	7,941
June	277	1,626	190	1,531	1,654	2,599	2,318	2,325	3,642	1	8,081
July	254	1,816	183	1,597	1,689	2,625	2,398	2,405	3,919	2	8,446
August	242	1,734	179	1,536	1,686	2,606	2,397	2,404	3,776	1	8,281
September	238	1,446	181	1,416	1,490	2,345	2,171	2,178	3,306	(s)	7,385
October	354	1,375	242	1,434	1,777	2,649	2,371	2,378	3,093	-4	7,832
November	578	1,623	R 340	1,471	1,679	2,526	2,234	2,240	3,031	-1	7,860
December	966	2,344	512	1,709	1,675	2,486	2,315	2,323	3,394	3	8,865
Total	6,778	21,637	3,972	18,541	20,602	31,182	R 27,842	27,924	40,090	-9	99,275
2009 January	1,157	2,632	R 616	1,820	R 1,727	R 2,510	2,245	2,253	3,471	R 3	R 9,219
February	936	2,119	R 508	R 1,539	R 1,539	R 2,241	R 2,031	2,037	R 2,923	R -1	R 7,936
March	782	1,918	443	1,551	1,605	2,364	2,294	2,301	3,011	-2	8,133
3-Month Total	2,876	6,670	1,566	4,911	4,870	7,115	6,570	6,591	9,405	(s)	25,287
2008 3-Month Total	2,966	6,767	1,590	4,989	5,520	8,088	6,862	6,883	9,789	-5	26,722
2007 3-Month Total	2,903	6,684	1,543	4,870	5,558	8,169	6,990	7,014	9,743	-6	26,730

^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 "Primary Energy Consumption" in Glossary.

^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. (s)=Less than +0.5 trillion Btu and greater than -0.5 trillion Btu.

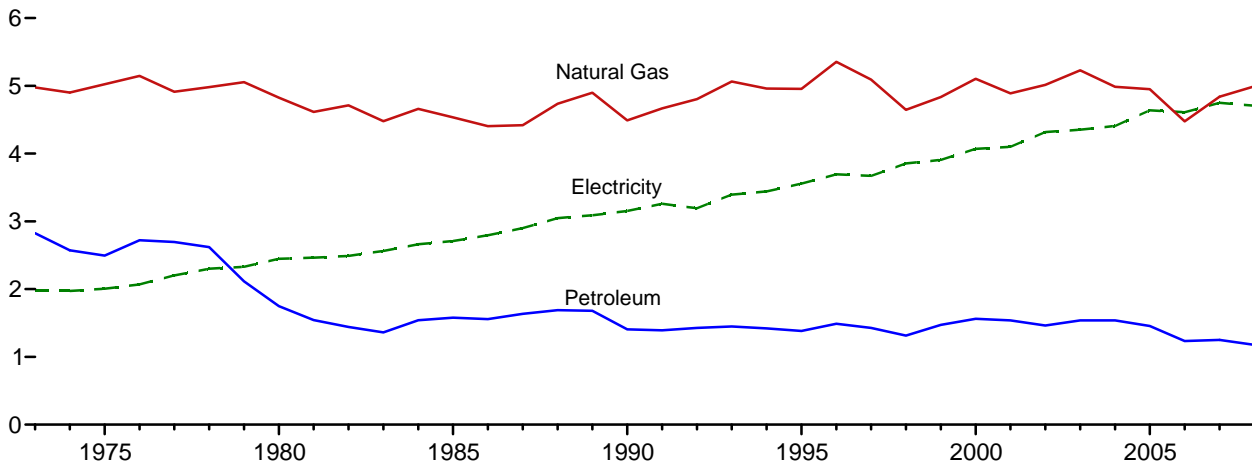
Notes: • See Note, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 1, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

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

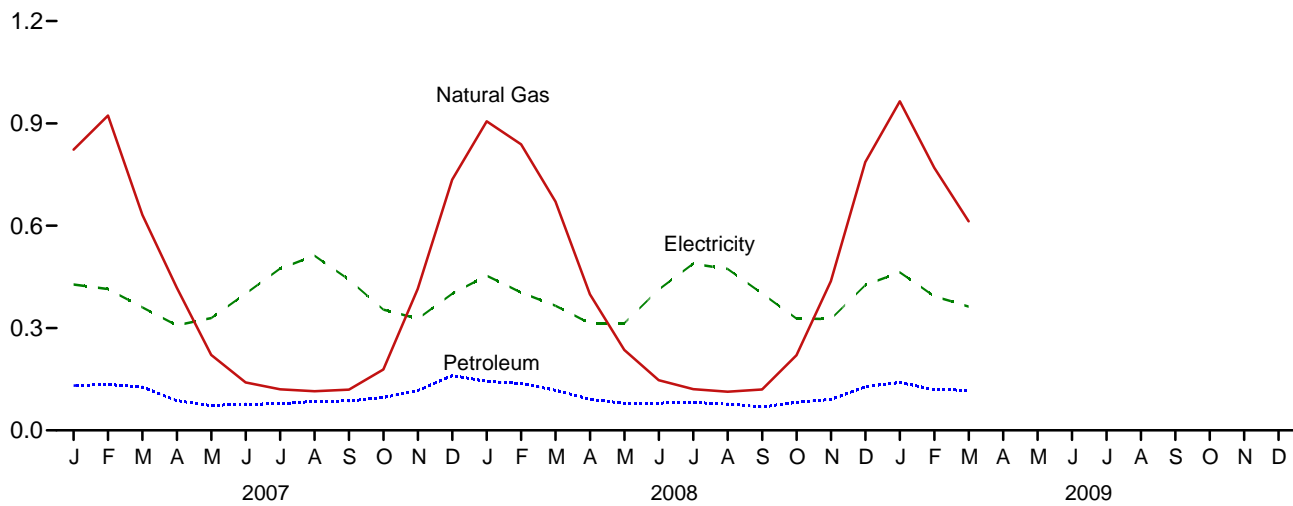
Sources: Tables 1.3 and 2.2-2.6.

Figure 2.2 Residential Sector Energy Consumption
(Quadrillion Btu)

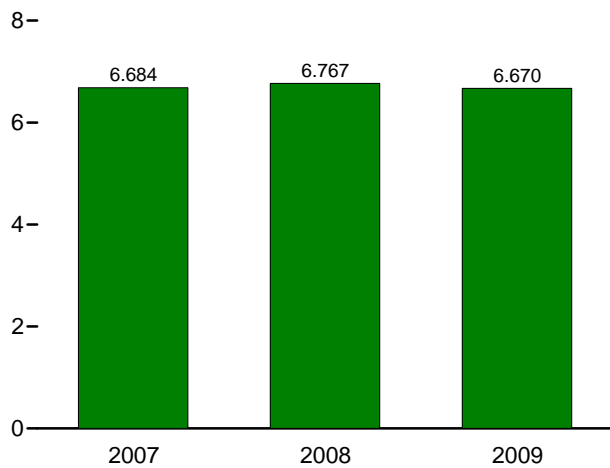
By Major Sources, 1973-2008



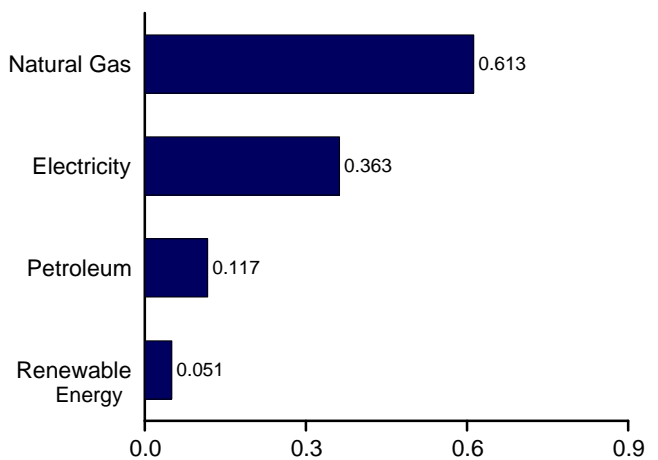
By Major Sources, Monthly



Total, January-March



By Major Sources, March 2009



Web Page: <http://www.eia.doe.gov/emeu/mer/consump.html>.
Source: Table 2.2.

Table 2.2 Residential Sector Energy Consumption
(Trillion Btu)

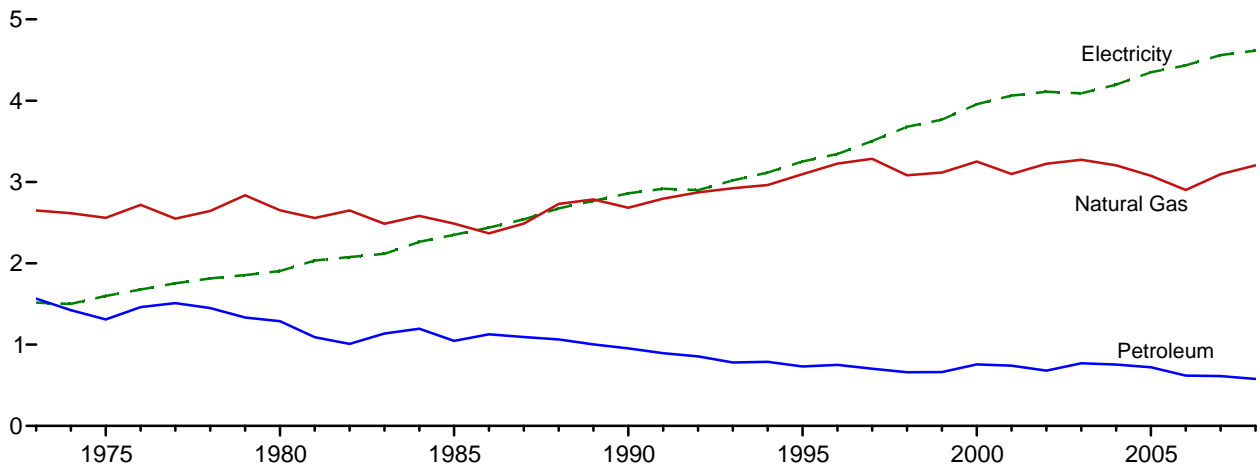
	Primary Consumption ^a									Electricity Retail Sales ^d	Electrical System Energy Losses ^e	Total
	Fossil Fuels				Renewable Energy ^b				Total Primary			
	Coal	Natural Gas ^c	Petro- leum	Total	Geo- thermal	Solar/ PV	Bio- mass	Total				
1973 Total	94	4,977	2,825	7,896	NA	NA	354	354	8,250	1,976	4,703	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	430	507	6,921	4,638	10,139	21,697
2006 Total	6	4,476	1,233	5,715	18	67	390	475	6,191	4,611	9,968	20,770
2007 January	1	823	131	955	2	6	37	45	1,000	427	954	2,381
February	1	923	134	1,058	2	6	33	40	1,099	414	857	2,370
March	1	632	127	759	2	6	37	45	804	361	769	1,933
April	1	418	87	506	2	6	35	43	549	308	661	1,518
May	1	221	73	294	2	6	37	45	339	329	731	1,399
June	1	141	77	219	2	6	35	43	262	401	884	1,546
July	1	121	78	199	2	6	37	45	244	474	1,039	1,757
August	1	115	85	200	2	6	37	45	245	512	1,136	1,893
September	(s)	119	86	206	2	6	35	43	249	442	881	1,572
October	1	178	96	275	2	6	37	45	320	354	735	1,408
November	1	415	116	532	2	6	35	43	575	327	700	1,602
December	1	735	160	896	2	6	37	45	941	401	900	2,242
Total	8	4,840	1,251	6,099	22	75	430	527	6,626	4,750	10,243	21,619
2008 January	1	906	144	1,051	2	7	42	51	1,102	453	976	2,530
February	1	838	138	977	2	7	39	47	1,025	404	822	2,251
March	1	671	118	789	2	7	42	51	840	365	781	1,986
April	1	399	91	491	2	7	40	49	540	314	667	1,521
May	1	236	79	315	2	7	42	51	366	314	705	1,385
June	1	147	80	228	2	7	40	49	277	413	936	1,626
July	1	121	82	203	2	7	42	51	254	489	1,073	1,816
August	1	113	77	191	2	7	42	51	242	473	1,019	1,734
September	(s)	120	68	189	2	7	40	49	238	401	807	1,446
October	1	220	82	303	2	7	42	51	354	328	693	1,375
November	1	438	91	529	2	7	40	49	578	326	719	1,623
December	1	787	128	915	2	7	42	51	966	426	952	2,344
Total	7	4,994	1,178	6,179	26	83	490	599	6,778	4,706	10,152	21,637
2009 January	1	965	141	1,106	2	7	42	51	1,157	463	1,012	2,632
February	1	770	^R 120	890	2	6	38	46	936	393	^R 789	2,119
March	1	613	117	731	2	7	42	51	782	363	773	1,918
3-Month Total	2	2,348	378	2,728	7	20	121	148	2,876	1,220	2,574	6,670
2008 3-Month Total	2	2,415	399	2,817	7	21	122	149	2,966	1,223	2,578	6,767
2007 3-Month Total	2	2,378	393	2,773	5	18	106	130	2,903	1,203	2,579	6,684

^a See "Primary Energy Consumption" in Glossary.
^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

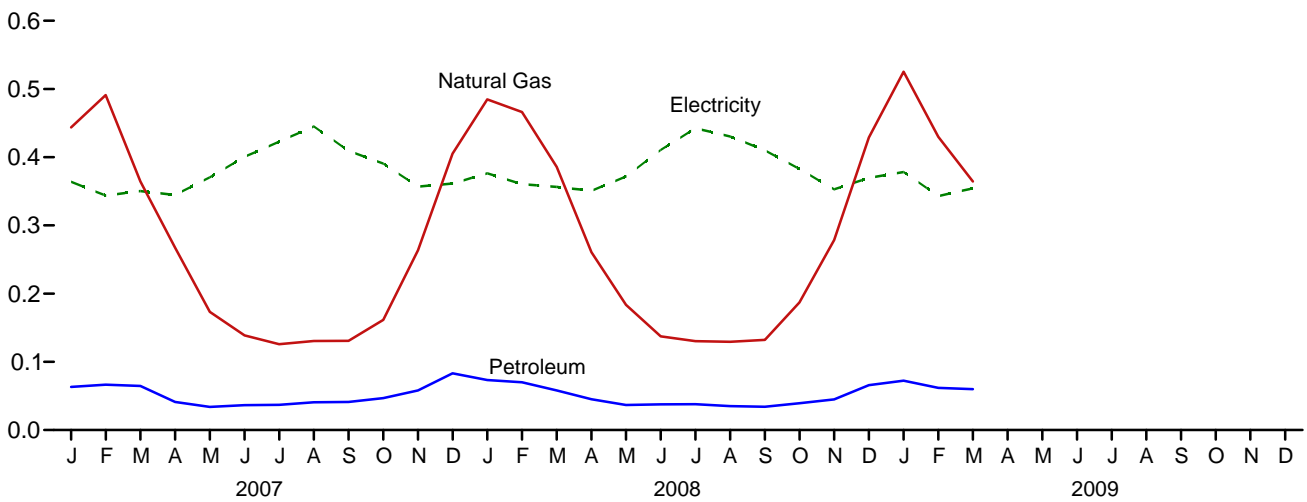
electricity retail sales. See Note 2, "Electrical System Energy Losses," at end of section.
R=Revised. NA=Not available. (s)=Less than 0.5 trillion Btu.
Notes: • See Note 1, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding.
• 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)

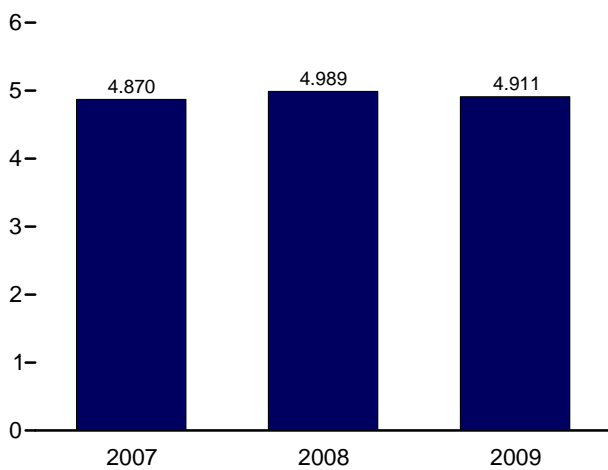
By Major Sources, 1973-2008



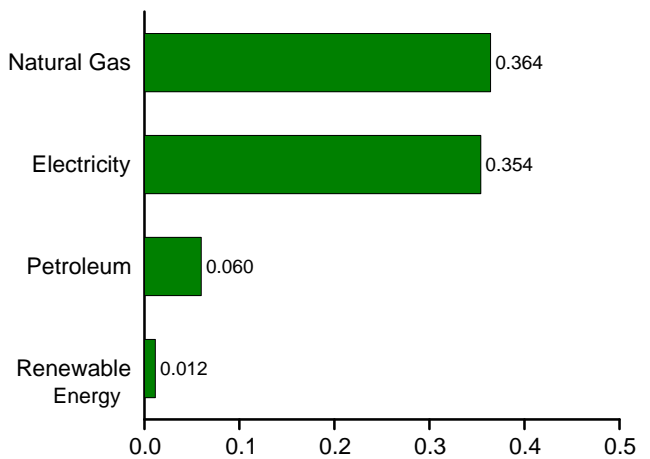
By Major Sources, Monthly



Total, January-March



By Major Sources, March 2009



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	Petroleum ^d	Total	Hydroelectric Power ^e	Geothermal	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 Total	65	2,902	620	3,586	1	14	102	117	3,703	4,435	9,586	17,724
2007 January	7	444	63	514	(s)	1	9	10	524	364	812	1,700
February	7	491	67	565	(s)	1	8	9	574	344	711	1,628
March	7	364	65	436	(s)	1	9	10	446	350	746	1,542
April	5	267	41	313	(s)	1	8	10	323	345	740	1,408
May	5	173	34	212	(s)	1	9	10	222	370	824	1,416
June	5	139	37	180	(s)	1	8	10	189	400	883	1,473
July	5	126	37	168	(s)	1	9	10	178	423	926	1,526
August	5	131	41	176	(s)	1	9	10	186	445	987	1,618
September	4	131	41	176	(s)	1	8	10	186	409	816	1,411
October	6	162	47	214	(s)	1	9	10	224	391	810	1,425
November	7	264	58	329	(s)	1	9	10	339	357	763	1,459
December	8	405	83	496	(s)	1	9	10	506	361	812	1,680
Total	70	3,095	613	3,778	1	14	102	118	3,896	4,560	9,832	18,287
2008 January	7	485	73	566	(s)	1	9	11	576	376	810	1,763
February	7	466	70	543	(s)	1	9	10	553	360	732	1,646
March	7	386	58	451	(s)	1	9	10	461	356	763	1,580
April	5	261	45	310	(s)	1	9	10	321	351	746	1,417
May	5	184	37	225	(s)	1	9	10	235	372	835	1,442
June	5	137	38	180	(s)	1	9	10	190	411	930	1,531
July	5	130	38	173	(s)	1	9	10	183	442	972	1,597
August	5	129	35	169	(s)	1	9	10	179	430	926	1,536
September	4	132	34	171	(s)	1	9	10	181	410	826	1,416
October	5	187	39	232	(s)	1	9	10	242	383	810	1,434
November	6	279	45	329	(s)	1	9	10	R 340	353	778	1,471
December	7	429	66	501	(s)	1	9	10	512	370	827	1,709
Total	67	3,204	578	R 3,849	1	15	107	123	3,972	4,615	9,955	18,541
2009 January	R 8	525	72	605	(s)	1	9	11	R 616	378	826	1,820
February	R 7	430	R 62	R 498	(s)	1	8	10	R 508	343	688	R 1,539
March	6	364	60	431	(s)	1	10	12	443	354	755	1,551
3-Month Total	21	1,320	194	1,534	(s)	4	28	32	1,566	1,076	2,269	4,911
2008 3-Month Total	21	1,337	201	1,559	(s)	4	27	31	1,590	1,093	2,305	4,989
2007 3-Month Total	21	1,299	194	1,514	(s)	4	25	29	1,543	1,058	2,269	4,870

^a See "Primary Energy Consumption" in Glossary.

^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. NA=Not available. (s)=Less than 0.5 trillion Btu and greater than -0.5 trillion Btu.

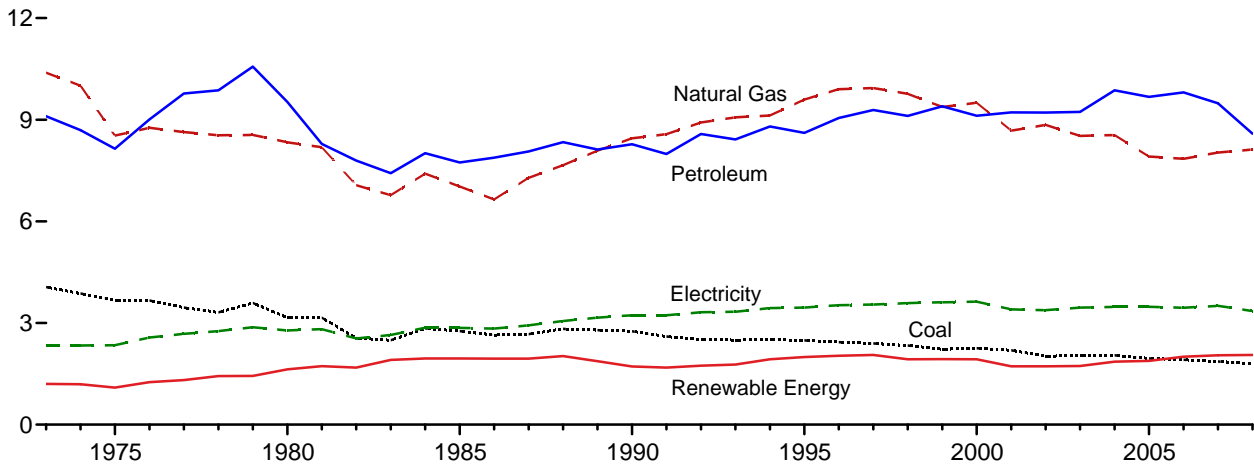
Notes: • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. See Note, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 1, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal 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.

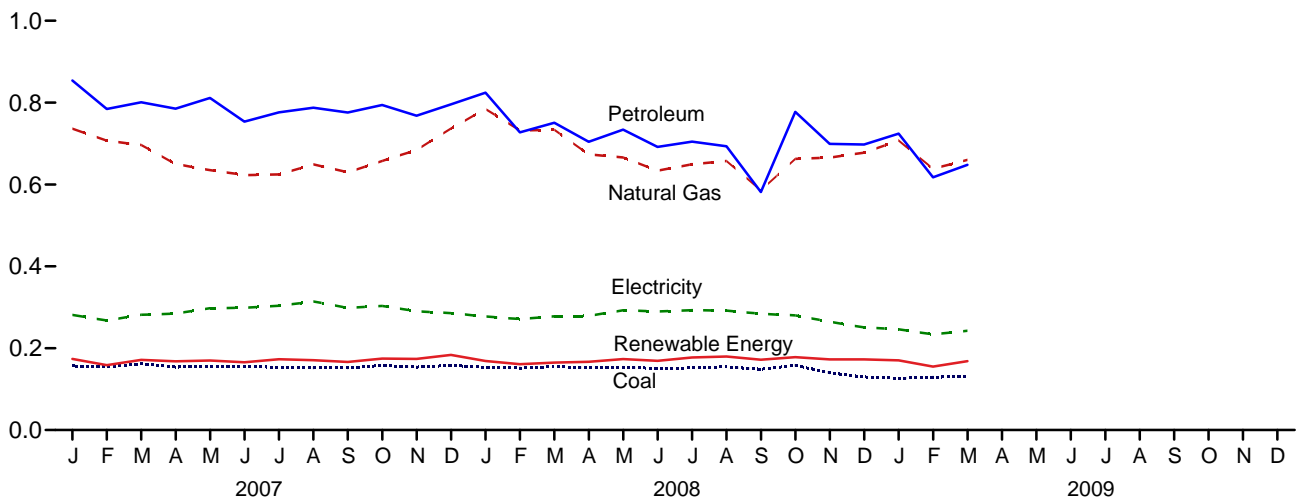
Sources: Tables 2.6, 3.8a, 4.3, 6.2, 7.6, 10.2a, A4, A5, and A6.

Figure 2.4 Industrial Sector Energy Consumption
(Quadrillion Btu)

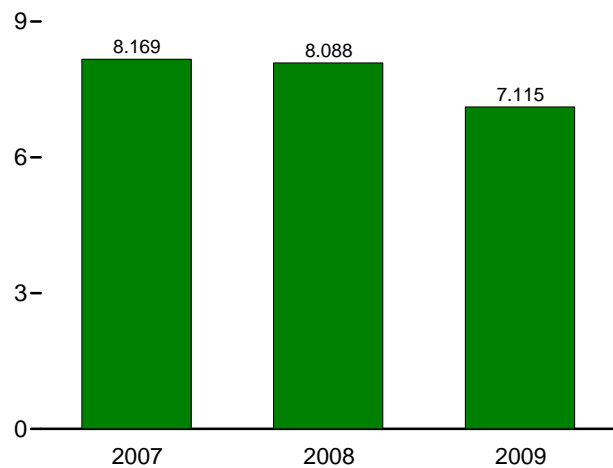
By Major Sources, 1973-2008



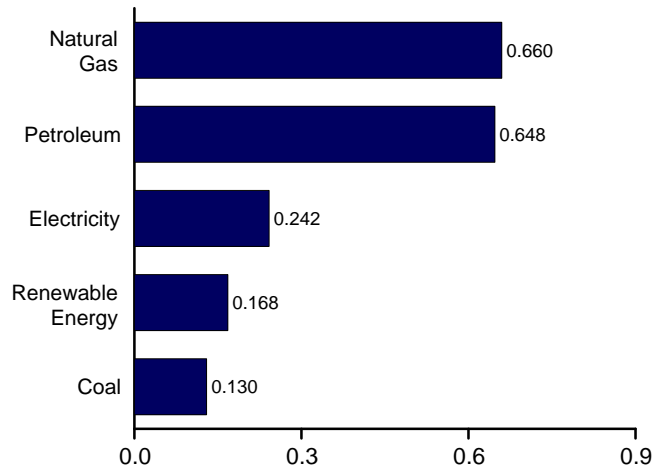
By Major Sources, Monthly



Total, January-March



By Major Sources, March 2009



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	1,919	1,952	19,468	2,855	6,554	28,877
1990 Total	2,756	8,451	8,278	19,490	31	2	1,685	1,718	21,208	3,226	7,461	31,895
1995 Total	2,488	9,592	8,613	20,754	55	3	1,936	1,994	22,748	3,455	7,844	34,047
1996 Total	2,434	9,901	9,052	21,410	61	3	1,970	2,034	23,444	3,527	8,018	34,989
1997 Total	2,395	9,933	9,289	21,663	58	3	1,998	2,059	23,722	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	1,722	21,857	3,379	7,528	32,764
2003 Total	2,041	8,521	9,232	19,845	43	3	1,684	1,730	21,576	3,454	7,620	32,650
2004 Total	2,047	8,544	9,865	20,594	33	4	1,824	1,860	22,455	3,473	7,682	33,609
2005 Total	1,954	7,911	9,673	19,583	32	4	1,847	1,883	21,466	3,477	7,602	32,545
2006 Total	1,914	7,846	9,806	19,627	29	4	1,972	2,005	21,632	3,451	7,459	32,541
2007 January	157	736	854	1,751	2	(s)	172	174	1,924	281	627	2,833
February	154	707	784	1,646	1	(s)	157	158	1,804	267	553	2,625
March	162	696	801	1,658	2	(s)	169	171	1,829	282	600	2,711
April	154	650	785	1,591	2	(s)	166	168	1,759	284	611	2,653
May	156	635	811	1,605	2	(s)	168	170	1,775	298	662	2,734
June	156	623	753	1,538	1	(s)	164	165	1,703	299	659	2,661
July	153	625	776	1,552	1	(s)	172	173	1,725	304	665	2,694
August	152	649	787	1,591	1	(s)	170	171	1,762	314	697	2,773
September	152	629	776	1,560	1	(s)	165	166	1,727	298	595	2,620
October	158	657	794	1,609	1	(s)	173	175	1,784	303	629	2,717
November	154	684	768	1,611	1	(s)	172	174	1,784	290	621	2,696
December	158	737	796	1,694	2	(s)	182	183	1,877	286	642	2,805
Total	1,865	8,030	9,486	19,406	16	5	2,028	2,048	21,454	3,507	7,562	32,523
2008 January	154	785	824	1,766	2	(s)	166	169	1,935	278	597	2,809
February	152	732	727	1,613	2	(s)	158	161	1,773	271	551	2,595
March	155	733	751	1,647	2	(s)	162	165	1,811	278	594	2,683
April	152	673	704	1,538	2	(s)	164	167	1,704	279	593	2,576
May	153	666	734	1,556	2	(s)	171	173	1,730	293	658	2,681
June	151	633	692	1,484	1	(s)	167	169	1,654	290	656	2,599
July	152	649	705	1,512	1	(s)	176	177	1,689	293	643	2,625
August	155	657	693	1,506	1	(s)	178	180	1,686	292	628	2,606
September	148	586	581	1,318	1	(s)	170	172	1,490	284	571	2,345
October	158	662	777	1,598	1	(s)	177	178	1,777	280	593	2,649
November	140	666	699	1,506	1	(s)	171	173	1,679	264	583	2,526
December	130	677	698	1,502	2	(s)	171	173	1,675	251	561	2,486
Total	1,799	8,121	8,586	18,547	19	5	2,032	2,056	20,602	3,351	7,229	31,182
2009 January	^R 127	708	^R 724	^R 1,556	2	(s)	168	170	^R 1,727	246	537	^R 2,510
February	^R 129	638	^R 617	^R 1,384	1	(s)	153	155	^R 1,539	234	469	^R 2,241
March	130	660	648	1,437	2	(s)	166	168	1,605	242	516	2,364
3-Month Total	386	2,006	1,989	4,377	5	1	488	494	4,870	722	1,523	7,115
2008 3-Month Total	460	2,250	2,302	5,025	7	1	486	494	5,520	826	1,742	8,088
2007 3-Month Total	473	2,140	2,439	5,054	5	1	497	503	5,558	830	1,780	8,169

^a See "Primary Energy Consumption" in Glossary.

^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. NA=Not available. (s)=Less than 0.5 trillion Btu.

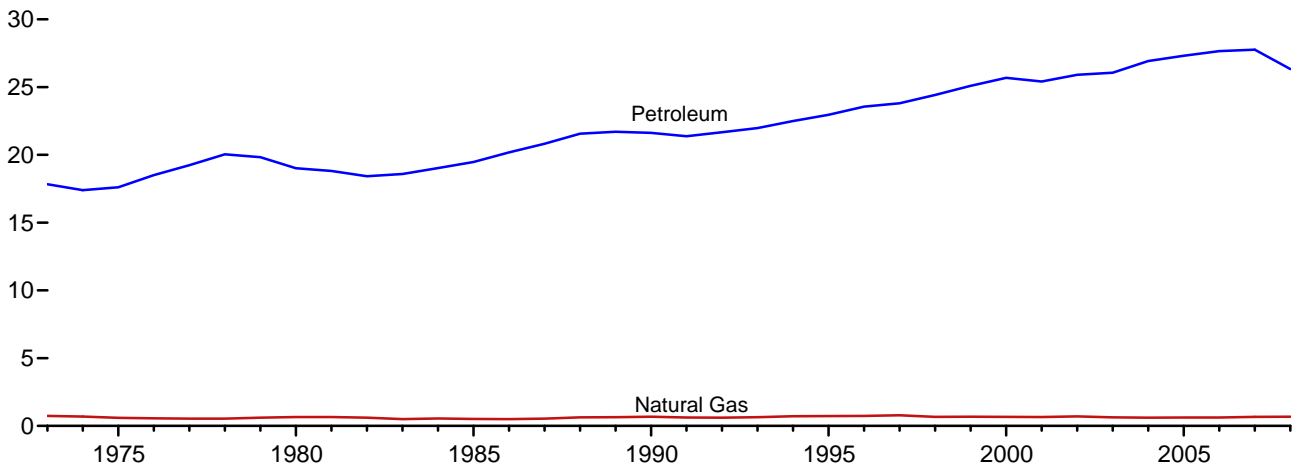
Notes: • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. See Note, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 1, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal 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.

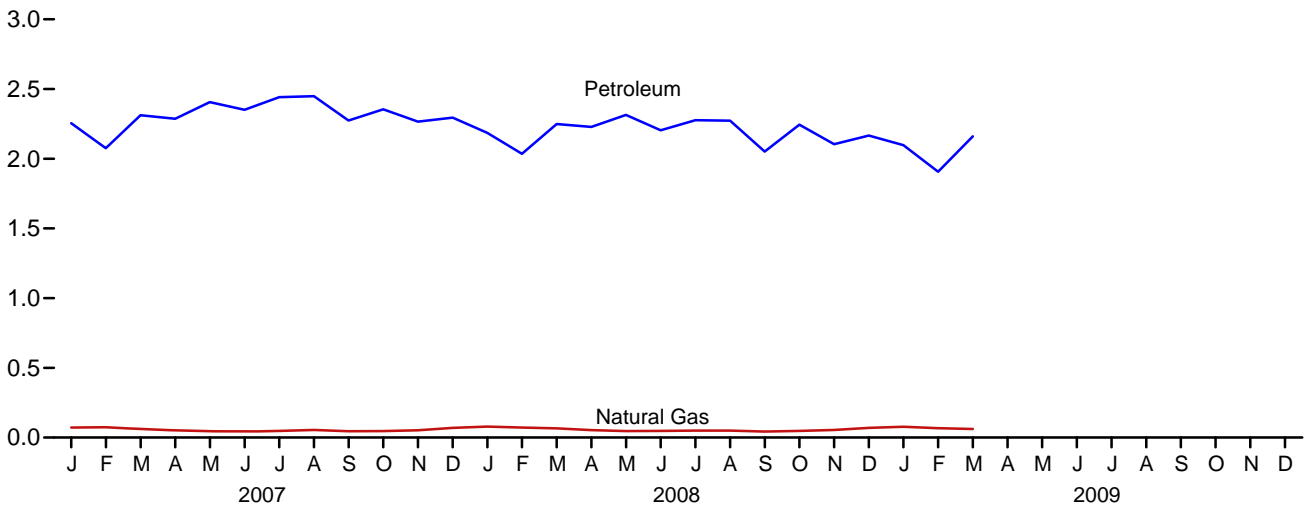
Sources: Tables 1.4a, 1.4b, 2.6, 3.8b, 4.3, 6.2, 7.6, 10.2b, A4, A5, and A6.

Figure 2.5 Transportation Sector Energy Consumption
(Quadrillion Btu)

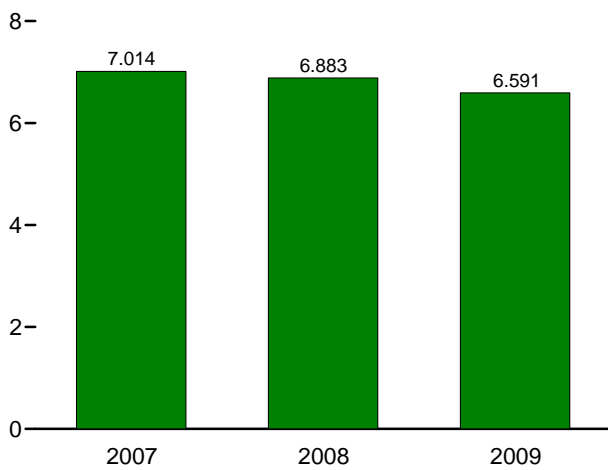
By Major Sources, 1973-2008



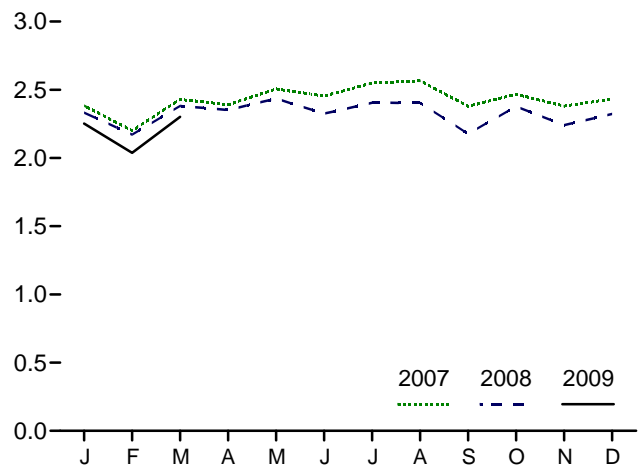
By Major Sources, Monthly



Total, January-March



Total, Monthly



Web Page: <http://www.eia.doe.gov/emeu/mer/consump.html>.
Source: Table 2.5.

Table 2.5 Transportation Sector Energy Consumption
(Trillion Btu)

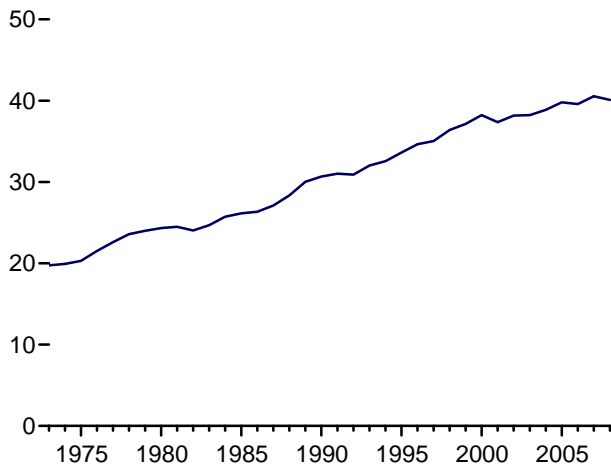
	Primary Consumption ^a						Electricity Retail Sales ^e	Electrical System Energy Losses ^f	Total
	Fossil Fuels				Renewable Energy ^b	Total Primary			
	Coal	Natural Gas ^c	Petroleum ^d	Total	Biomass				
1973 Total	3	743	17,831	18,576	NA	18,576	11	25	18,612
1975 Total	1	595	17,614	18,209	NA	18,209	10	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	26,216	20	43	26,279
2002 Total	(^g)	702	25,913	26,615	173	26,788	19	42	26,849
2003 Total	(^g)	630	26,063	26,693	234	26,928	23	51	27,002
2004 Total	(^g)	603	26,922	27,525	295	27,820	25	55	27,899
2005 Total	(^g)	625	27,309	27,934	346	28,280	26	56	28,361
2006 Total	(^g)	625	27,652	28,277	484	28,761	25	54	28,841
2007 January	(^g)	72	2,254	2,326	49	2,375	3	6	2,383
February	(^g)	75	2,075	2,150	43	2,193	2	5	2,201
March	(^g)	62	2,312	2,374	48	2,422	3	5	2,430
April	(^g)	52	2,287	2,339	44	2,383	2	5	2,390
May	(^g)	45	2,406	2,450	48	2,498	2	5	2,505
June	(^g)	45	2,351	2,396	51	2,446	2	5	2,454
July	(^g)	48	2,442	2,490	52	2,541	2	5	2,549
August	(^g)	55	2,449	2,504	54	2,558	2	5	2,566
September	(^g)	46	2,274	2,319	52	2,372	2	5	2,379
October	(^g)	47	2,354	2,401	59	2,460	2	5	2,466
November	(^g)	53	2,266	2,319	54	2,373	2	5	2,380
December	(^g)	69	2,295	2,364	60	2,424	2	5	2,432
Total	(^g)	667	27,766	28,432	614	29,046	28	60	29,134
2008 January	(^g)	78	2,186	2,264	60	2,324	2	5	^R 2,332
February	(^g)	72	2,036	2,107	57	2,164	2	5	2,171
March	(^g)	66	2,249	2,314	60	2,374	2	5	2,381
April	(^g)	53	2,228	2,281	65	2,346	2	4	2,352
May	(^g)	46	2,315	2,361	68	2,429	2	5	2,435
June	(^g)	47	2,204	2,251	67	2,318	2	5	2,325
July	(^g)	50	2,277	2,327	71	2,398	2	5	2,405
August	(^g)	50	2,272	2,322	75	2,397	2	5	2,404
September	(^g)	43	2,052	2,095	76	2,171	2	4	2,178
October	(^g)	48	2,244	2,292	79	2,371	2	5	2,378
November	(^g)	54	2,104	2,158	75	2,234	2	5	2,240
December	(^g)	69	2,167	2,236	80	2,315	2	5	2,323
Total	(^g)	^R 677	26,332	^R 27,009	833	^R 27,842	26	56	27,924
2009 January	(^g)	78	^R 2,097	2,175	69	2,245	3	5	2,253
February	(^g)	^R 67	^R 1,906	^R 1,973	58	^R 2,031	2	4	2,037
March	(^g)	61	2,160	2,221	73	2,294	2	5	2,301
3-Month Total	(^g)	205	6,164	6,370	200	6,570	7	15	6,591
2008 3-Month Total	(^g)	216	6,470	6,686	177	6,862	7	14	6,883
2007 3-Month Total	(^g)	208	6,642	6,850	140	6,990	8	16	7,014

^a See "Primary Energy Consumption" in Glossary.
^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 fuel ethanol and biodiesel that have been blended with petroleum—biofuels are 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

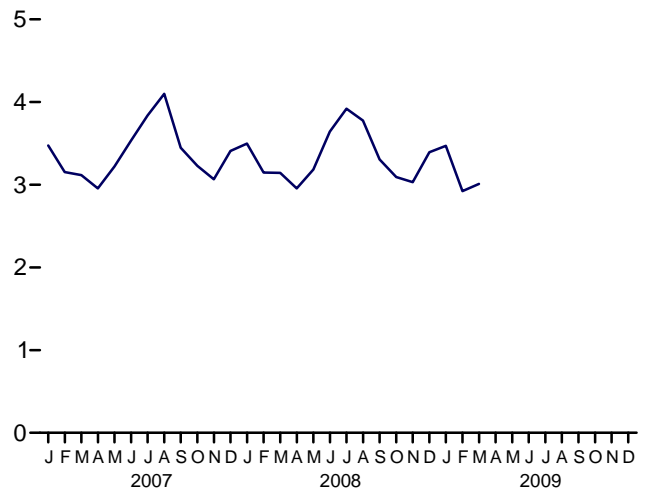
electricity retail sales. See Note 2, "Electrical System Energy Losses," at end of section.
^g Beginning in 1978, the small amounts of coal consumed for transportation are reported as industrial sector consumption.
^R=Revised. NA=Not available.
Notes: • See Note 1, "Energy Consumption Data and Surveys," 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)

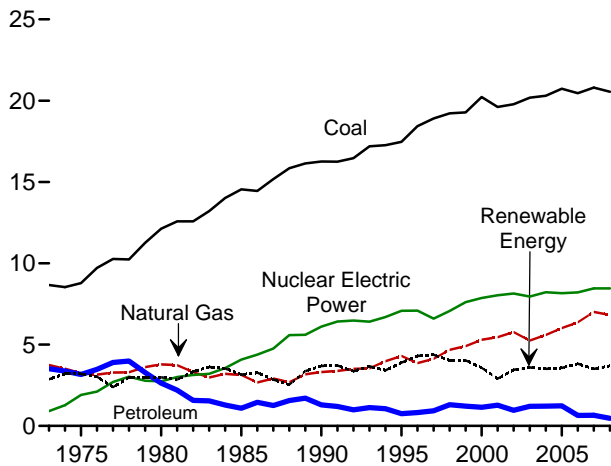
Total, 1973-2008



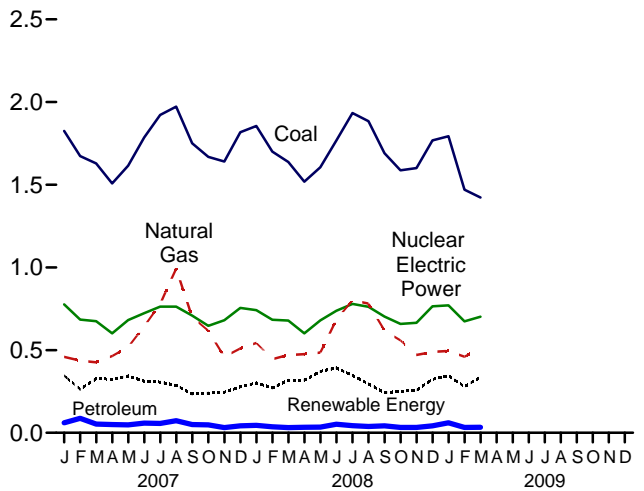
Total, Monthly



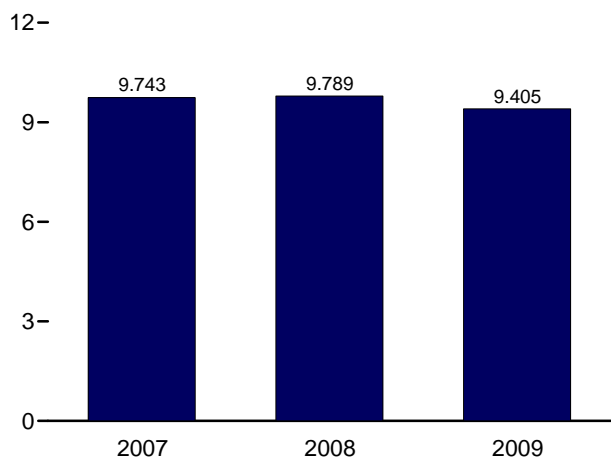
By Major Sources, 1973-2008



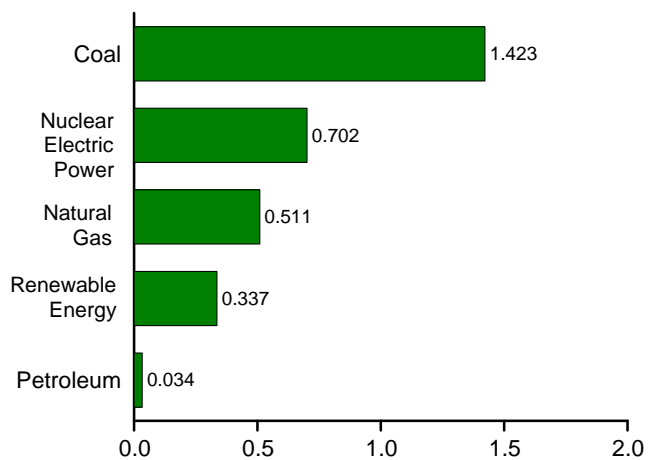
By Major Sources, Monthly



Total, January-March



By Major Sources, March 2009



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 Total	20,462	6,375	648	27,485	8,214	2,839	306	5	264	412	3,827	63	39,589	
2007 January	1,825	459	60	2,345	776	256	27	(s)	24	39	346	6	3,474	
February	1,673	436	88	2,196	684	182	24	(s)	25	32	263	10	3,153	
March	1,629	426	53	2,108	674	237	25	(s)	30	35	328	6	3,116	
April	1,508	464	50	2,022	601	234	24	1	31	33	324	10	2,956	
May	1,615	519	48	2,183	682	256	24	1	29	34	344	12	3,220	
June	1,786	643	58	2,487	723	224	26	1	26	35	312	11	3,533	
July	1,922	778	56	2,757	763	221	26	1	21	36	306	13	3,839	
August	1,973	993	73	3,038	763	196	26	1	27	36	286	12	4,099	
September	1,750	699	50	2,500	709	145	26	1	28	35	235	5	3,448	
October	1,669	618	48	2,335	647	145	27	(s)	33	35	241	7	3,229	
November	1,640	459	31	2,130	681	154	25	(s)	31	36	246	9	3,065	
December	1,817	510	42	2,369	755	180	27	(s)	34	37	278	7	3,409	
Total	20,808	7,005	657	28,470	8,458	2,430	308	6	341	423	3,508	107	40,542	
2008 January	1,855	543	45	2,443	742	199	25	(s)	41	37	302	11	3,498	
February	1,700	445	37	2,182	683	179	23	(s)	37	33	272	10	3,147	
March	1,638	470	31	2,139	679	207	26	1	46	39	318	7	3,144	
April	1,518	476	33	2,027	601	209	26	1	50	34	319	9	2,956	
May	1,605	486	34	2,125	680	260	27	1	51	33	371	8	3,184	
June	1,767	683	52	2,502	738	280	27	1	49	35	393	9	3,642	
July	1,933	802	43	2,778	779	244	27	1	38	37	347	15	3,919	
August	1,884	781	39	2,704	762	200	27	1	31	37	296	15	3,776	
September	1,690	617	42	2,350	703	154	26	1	27	34	242	10	3,306	
October	1,587	559	32	2,178	659	148	27	1	43	33	251	6	3,093	
November	1,600	471	33	2,104	665	152	26	(s)	45	35	258	4	3,031	
December	1,768	489	42	2,299	765	202	26	(s)	58	37	322	7	3,394	
Total	20,547	6,823	463	27,833	8,455	2,432	312	8	514	423	3,690	112	40,090	
2009 January	1,793	495	60	2,348	771	230	26	(s)	54	35	346	7	3,471	
February	1,470	460	32	1,962	674	174	24	(s)	49	32	280	8	2,923	
March	1,423	511	34	1,968	702	210	26	1	64	36	337	4	3,011	
3-Month Total	4,686	1,466	126	6,277	2,146	613	77	1	167	104	962	19	9,405	
2008 3-Month Total	5,193	1,459	113	6,765	2,104	584	74	1	124	109	892	29	9,789	
2007 3-Month Total	5,127	1,321	201	6,649	2,135	675	76	1	79	106	937	22	9,743	

^a See "Primary Energy Consumption" in Glossary.

^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. NA=Not available. (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, about two thirds of total energy input is lost in conversion. Currently, of electricity generated, approximately 5 percent is lost in plant use and 7 percent is lost in transmission and distribution.