

2

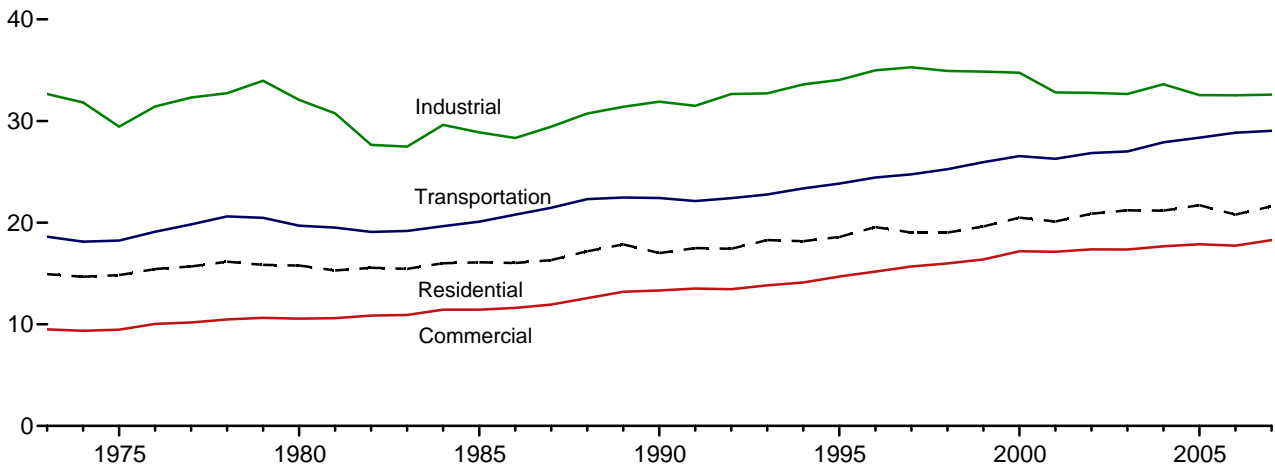
Energy Consumption by Sector



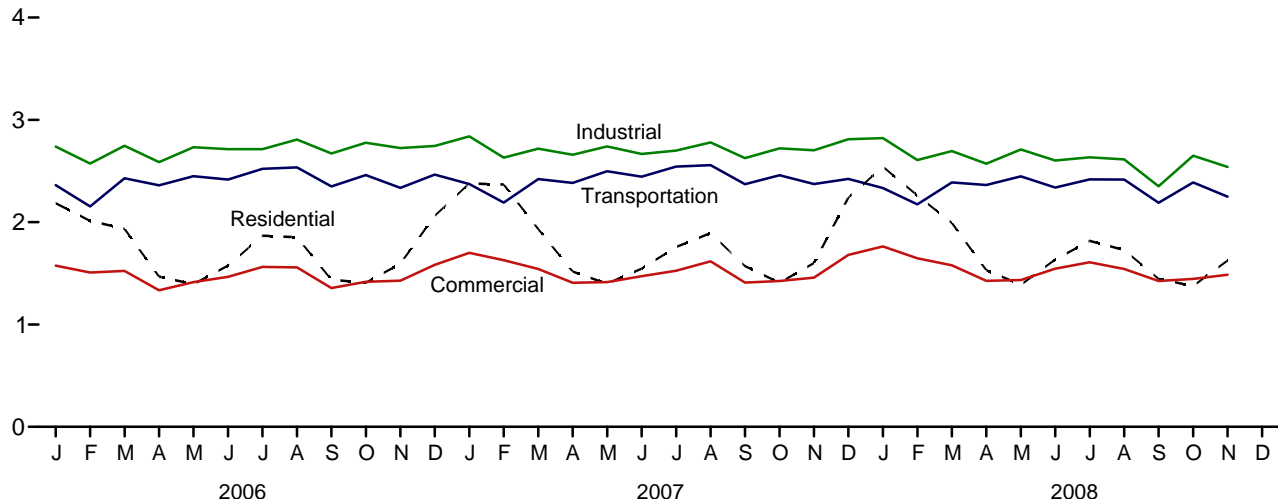
Office buildings, industries, residences, and transport systems, Baltimore, Maryland; east view from the inner harbor.
Source: U.S. Department of Energy.

Figure 2.1 Energy Consumption by Sector
(Quadrillion Btu)

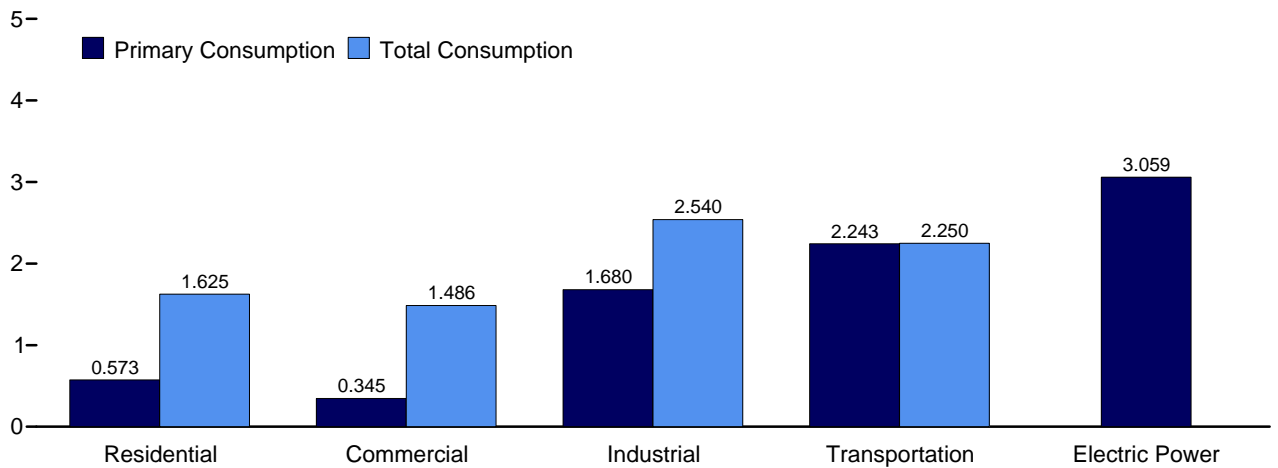
Total Consumption by End-Use Sector, 1973-2007



Total Consumption by End-Use Sector, Monthly



By Sector, November 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	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	19,466	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	906	2,185	493	1,575	R 1,870	R 2,739	2,356	2,363	3,238	(s)	R 8,862
February	897	2,012	487	1,508	R 1,718	R 2,574	2,148	R 2,154	2,998	-1	R 8,247
March	813	1,935	R 443	1,524	R 1,857	R 2,747	2,423	2,429	3,099	-2	R 8,633
April	504	1,468	R 293	1,335	R 1,705	R 2,587	2,354	2,360	2,893	-3	R 7,747
May	344	1,394	225	1,415	R 1,769	R 2,732	2,443	2,449	3,210	-1	R 7,989
June	270	1,575	194	R 1,465	R 1,762	R 2,714	2,410	2,417	3,535	-1	R 8,171
July	247	1,868	181	1,563	R 1,736	R 2,714	2,514	2,521	3,989	3	R 8,670
August	241	1,853	186	1,558	R 1,838	R 2,808	R 2,529	2,536	3,960	3	R 8,758
September	255	1,437	192	1,356	R 1,793	R 2,672	2,343	2,349	3,232	(s)	R 7,814
October	380	1,409	R 252	1,418	R 1,864	R 2,776	2,454	2,460	3,113	-2	R 8,061
November	561	1,594	R 326	1,428	R 1,846	R 2,725	2,329	2,336	3,020	-1	R 8,082
December	798	2,062	R 432	R 1,583	R 1,865	R 2,744	2,458	2,465	3,301	2	R 8,856
Total	6,213	R 20,793	R 3,705	R 17,725	R 21,623	R 32,532	R 28,760	R 28,839	39,589	(s)	R 99,889
2007 January	999	R 2,379	R 525	R 1,701	R 1,932	R 2,839	R 2,364	R 2,373	R 3,471	R 2	R 9,294
February	1,098	R 2,368	R 575	R 1,629	R 1,811	R 2,631	2,184	R 2,192	R 3,151	(s)	R 8,819
March	804	R 1,932	R 447	R 1,543	R 1,836	R 2,718	2,413	2,421	R 3,114	R -2	R 8,611
April	R 549	R 1,518	R 323	R 1,408	R 1,765	R 2,660	2,377	2,384	R 2,955	R -2	R 7,967
May	340	R 1,399	R 221	R 1,415	R 1,782	R 2,741	R 2,491	2,498	R 3,218	R -1	R 8,052
June	262	R 1,546	189	R 1,472	R 1,710	R 2,668	R 2,437	2,445	R 3,531	1	R 8,131
July	244	R 1,757	177	R 1,525	R 1,732	R 2,700	2,536	2,543	R 3,836	3	R 8,529
August	R 245	R 1,893	186	R 1,618	R 1,768	R 2,779	R 2,550	2,558	R 4,097	4	R 8,852
September	249	R 1,571	186	R 1,410	R 1,733	R 2,626	2,364	2,371	R 3,446	1	R 7,979
October	R 320	R 1,408	225	R 1,425	R 1,790	R 2,722	2,452	2,458	3,227	-1	R 8,013
November	R 575	R 1,601	R 340	R 1,459	R 1,792	R 2,703	2,366	2,373	R 3,063	-1	R 8,135
December	R 940	R 2,240	R 508	R 1,681	R 1,884	R 2,811	R 2,416	R 2,423	R 3,407	R 1	R 9,155
Total	R 6,625	R 21,609	R 3,903	R 18,285	R 21,536	R 32,599	R 28,950	R 29,038	R 40,517	R 5	R 101,537
2008 January	R 1,105	R 2,542	R 583	R 1,763	R 1,925	R 2,822	R 2,327	2,334	3,522	2	R 9,463
February	1,030	2,262	560	R 1,647	R 1,763	R 2,608	2,168	2,175	3,170	R 1	R 8,692
March	842	R 1,993	467	1,578	R 1,801	R 2,696	2,382	R 2,389	3,165	-1	R 8,655
April	548	1,531	327	R 1,427	R 1,698	R 2,572	2,356	2,363	2,963	-2	R 7,891
May	367	1,388	238	1,435	R 1,724	R 2,711	R 2,441	2,447	3,212	-1	R 7,981
June	277	1,635	R 193	1,547	R 1,648	R 2,602	2,332	2,339	3,673	R 2	R 8,125
July	253	R 1,817	186	1,608	R 1,685	R 2,634	2,411	2,418	3,942	R 4	R 8,482
August	240	1,729	182	1,543	R 1,683	R 2,614	R 2,411	R 2,418	3,787	2	R 8,305
September	R 236	1,445	R 184	1,425	R 1,484	R 2,351	2,183	2,189	3,324	1	R 7,412
October	R 350	R 1,377	R 245	R 1,445	R 1,768	R 2,650	R 2,382	R 2,388	3,115	-2	R 7,859
November	573	1,625	345	1,486	1,680	2,540	2,243	2,250	3,059	-1	7,900
11-Month Total	5,821	19,345	3,511	16,902	18,859	28,802	25,635	25,710	36,933	7	90,765
2007 11-Month Total	5,686	19,372	3,395	16,603	19,652	29,787	26,535	26,615	37,110	5	92,382
2006 11-Month Total	5,416	18,730	3,273	16,144	19,757	29,787	26,302	26,375	36,287	-2	91,033

^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.

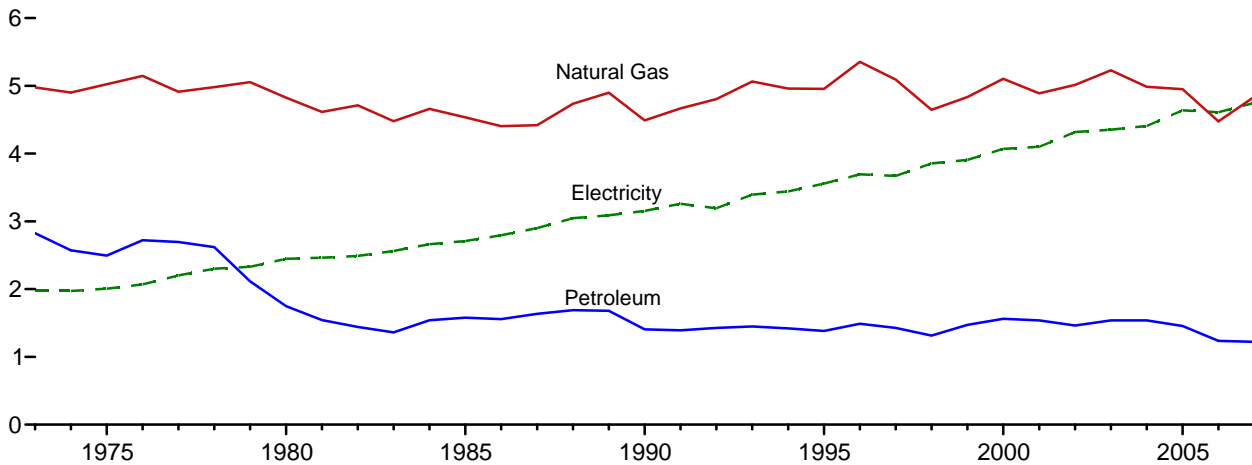
Notes: • See Note, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 1, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

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

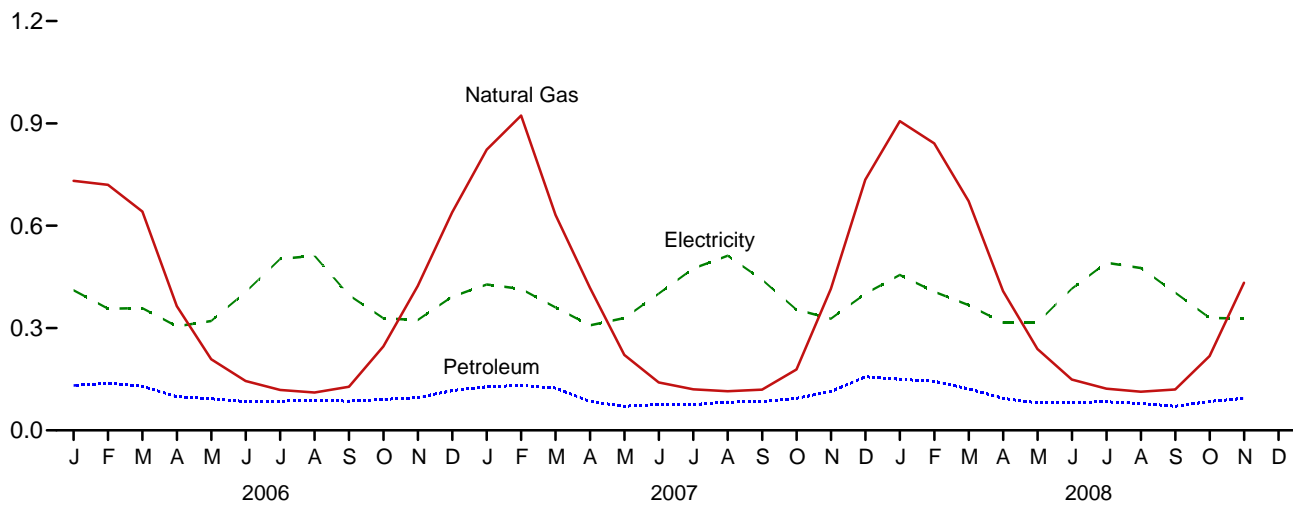
Sources: Tables 1.3 and 2.2-2.6.

Figure 2.2 Residential Sector Energy Consumption
(Quadrillion Btu)

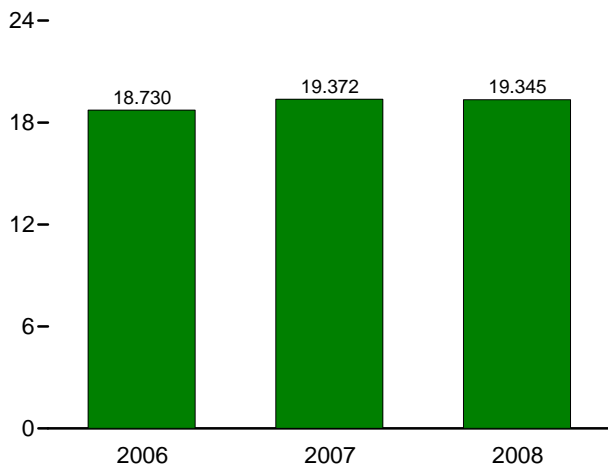
By Major Sources, 1973-2007



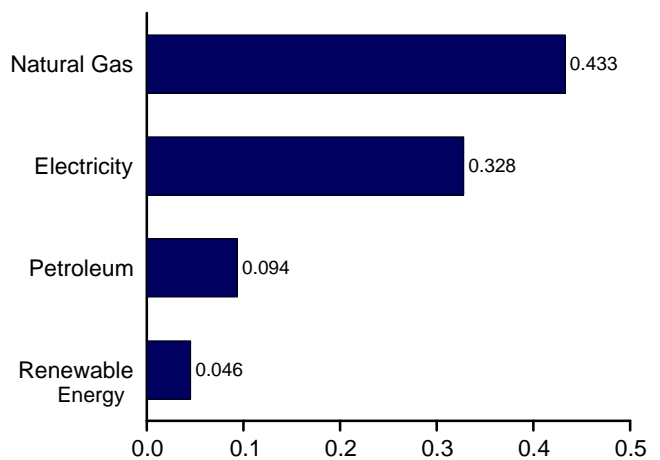
By Major Sources, Monthly



Total, January-November



By Major Sources, November 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)

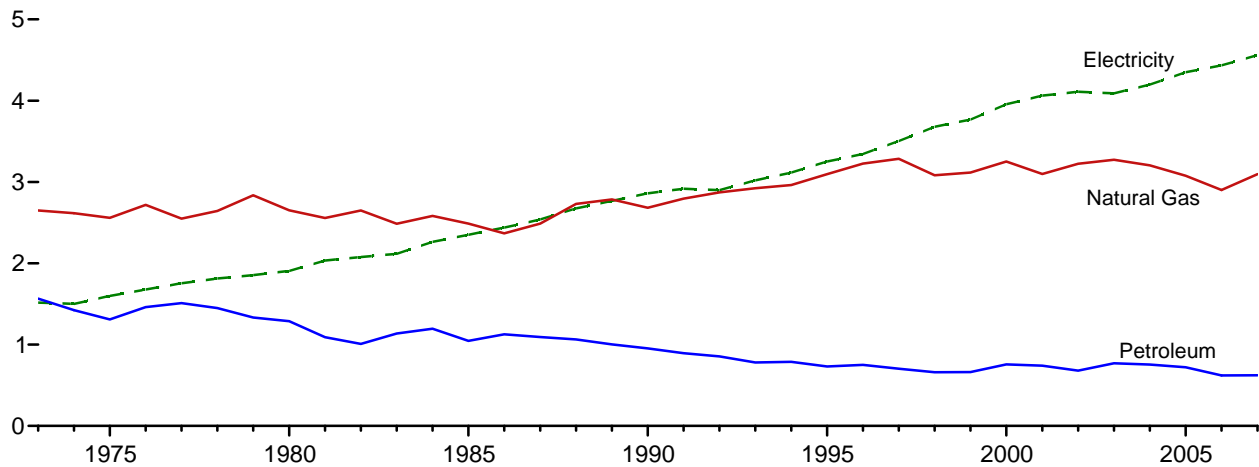
	Primary Consumption ^a									Electricity Retail Sales ^d	Electrical System Energy Losses ^e	Total
	Fossil Fuels				Renewable Energy ^b				Total Primary			
	Coal	Natural Gas ^c	Petroleum	Total	Geo-thermal	Solar/PV	Bio-mass	Total				
1973 Total	94	4,977	2,825	7,896	NA	NA	354	354	8,250	1,976	4,703	14,930
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	132	864	2	6	35	42	906	411	868	2,185
February	1	720	139	859	1	5	31	38	897	357	758	2,012
March	1	641	129	771	2	6	35	42	813	358	763	1,935
April	(s)	364	99	463	2	6	34	41	504	305	659	1,468
May	(s)	209	93	302	2	6	35	42	344	321	730	1,394
June	(s)	145	84	229	2	6	34	41	270	405	900	1,575
July	(s)	118	86	205	2	6	35	42	247	503	1,119	1,868
August	(s)	111	87	198	2	6	35	42	241	512	1,100	1,853
September	(s)	128	86	214	2	6	34	41	255	396	786	1,437
October	(s)	246	91	338	2	6	35	42	380	328	701	1,409
November	1	R 424	96	520	2	6	34	41	561	324	710	1,594
December	1	639	116	756	2	6	35	42	798	392	871	2,062
Total	6	4,476	1,236	5,718	18	67	410	495	6,213	4,611	9,968	R 20,793
2007 January	1	823	128	952	2	6	39	47	999	427	R 953	R 2,379
February	1	923	132	1,055	2	6	35	43	1,098	414	R 856	R 2,368
March	1	632	124	757	2	6	39	47	804	361	R 768	R 1,932
April	(s)	R 418	85	504	2	6	38	46	R 549	308	R 661	R 1,518
May	(s)	221	71	R 292	2	6	39	47	340	329	R 731	R 1,399
June	(s)	141	75	217	2	6	38	46	262	R 401	R 883	R 1,546
July	(s)	121	76	197	2	6	39	47	244	474	R 1,038	R 1,757
August	(s)	115	83	198	2	6	39	47	R 245	512	R 1,135	R 1,893
September	(s)	119	84	R 203	2	6	38	46	249	442	R 880	R 1,571
October	1	R 178	94	R 273	2	6	39	47	R 320	354	R 734	R 1,408
November	1	R 415	114	529	2	6	38	46	R 575	327	R 699	R 1,601
December	1	R 735	157	R 893	2	6	39	47	R 940	R 401	R 899	R 2,240
Total	6	R 4,840	1,222	R 6,068	22	74	460	556	R 6,625	R 4,750	R 10,234	R 21,609
2008 January	1	R 907	150	R 1,057	2	6	39	47	R 1,105	456	982	R 2,542
February	1	841	144	R 985	2	6	36	44	1,030	406	826	2,262
March	1	672	122	R 794	2	6	39	47	842	367	785	R 1,993
April	(s)	408	94	503	2	6	38	46	548	316	667	1,531
May	(s)	239	81	320	2	6	39	47	367	316	706	1,388
June	(s)	149	82	231	2	6	38	46	277	415	943	1,635
July	(s)	122	84	206	2	6	39	47	253	491	1,073	R 1,817
August	(s)	114	79	193	2	6	39	47	240	476	1,013	1,729
September	(s)	120	70	191	2	6	38	46	R 236	404	805	1,445
October	(s)	218	R 85	R 303	2	6	39	47	R 350	330	697	R 1,377
November	1	433	94	528	2	6	38	46	573	328	724	1,625
11-Month Total ...	6	4,223	1,083	5,311	20	68	421	509	5,821	4,305	9,219	19,345
2007 11-Month Total ...	6	4,106	1,065	5,177	20	68	421	509	5,686	4,350	9,337	19,372
2006 11-Month Total ...	5	3,838	1,120	4,962	17	61	375	453	5,416	4,219	9,094	18,730

^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

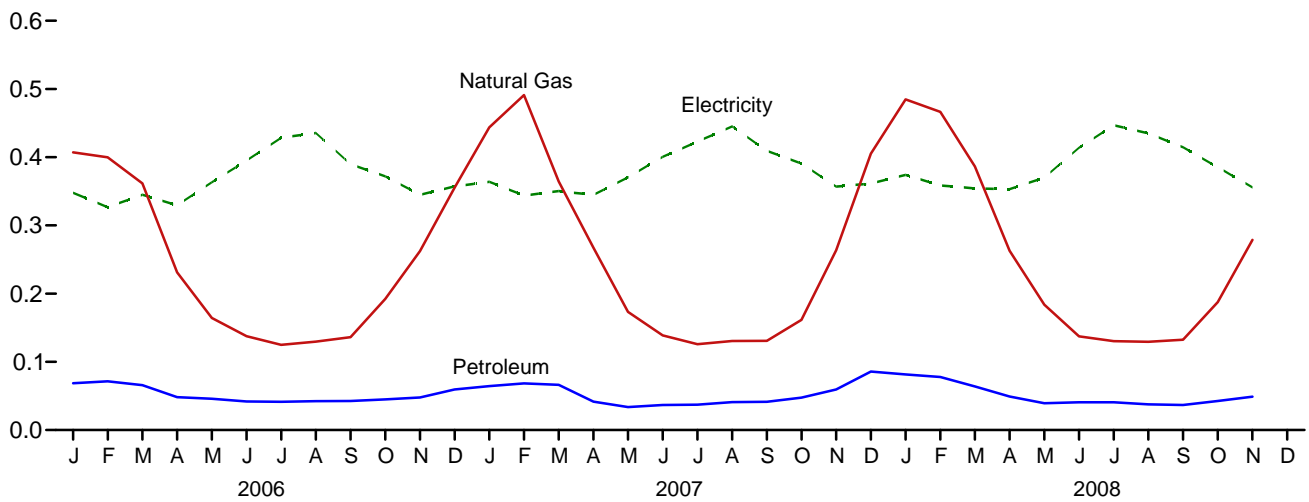
electricity retail sales. See Note 2, "Electrical System Energy Losses," at end of section.
R=Revised. NA=Not available. (s)=Less than 0.5 trillion Btu.
Notes: • See Note 1, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding.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

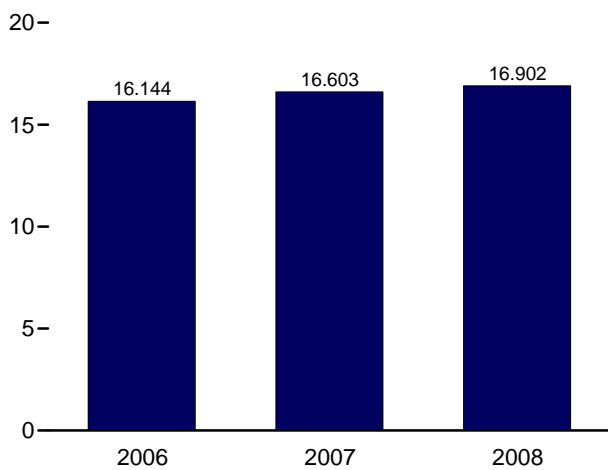
By Major Sources, 1973-2007



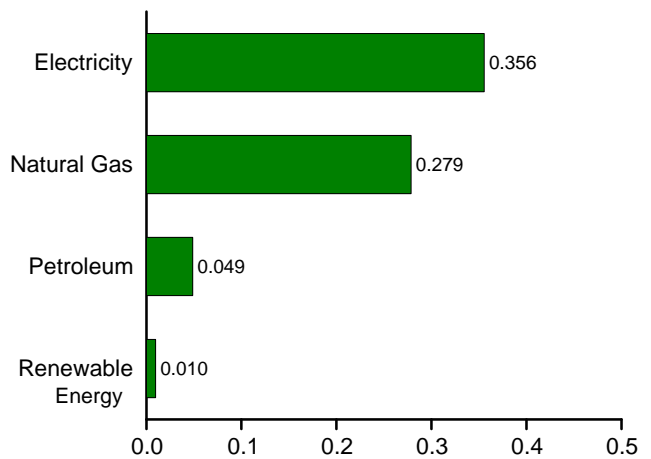
By Major Sources, Monthly



Total, January-November



By Major Sources, November 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)

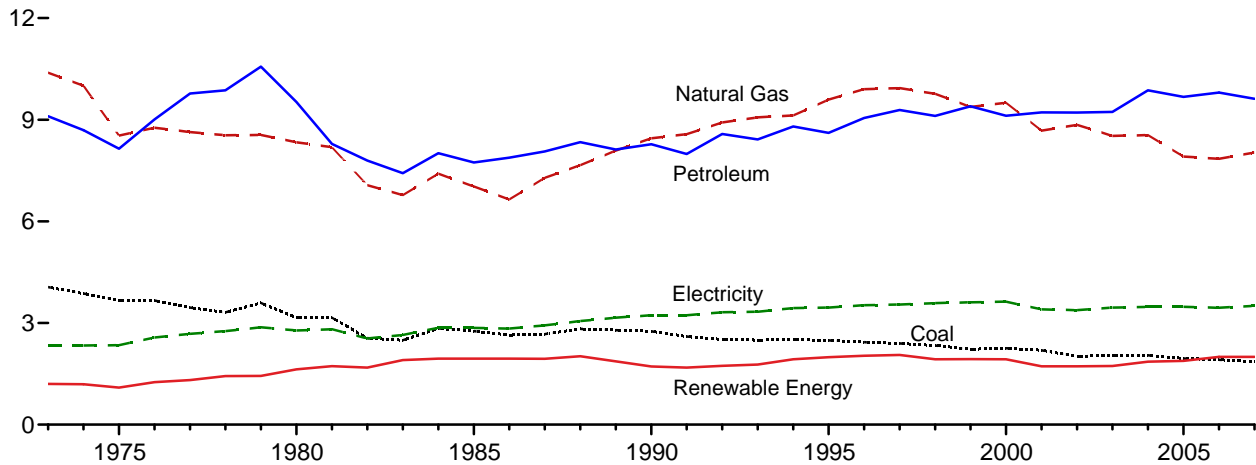
	Primary Consumption ^a								Total Primary	Electricity Retail Sales ^f	Electrical System Energy Losses ^g	Total
	Fossil Fuels				Renewable Energy ^b							
	Coal	Natural Gas ^c	Petroleum ^d	Total	Hydroelectric Power ^e	Geothermal	Bio-mass	Total				
1973 Total	160	2,649	1,565	4,374	NA	NA	7	7	4,381	1,517	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 January	7	407	69	R 482	(s)	1	9	10	493	348	735	1,575
February	6	400	72	478	(s)	1	8	9	487	327	694	1,508
March	6	362	66	434	(s)	1	8	10	R 443	345	736	1,524
April	4	231	48	284	(s)	1	8	10	R 293	329	712	1,335
May	4	R 164	46	215	(s)	1	9	10	225	363	827	1,415
June	5	R 137	42	184	(s)	1	8	10	194	395	877	R 1,465
July	5	125	41	171	(s)	1	9	10	181	428	954	1,563
August	5	R 129	42	R 176	(s)	1	9	10	186	436	936	1,558
September	4	136	43	183	(s)	1	8	10	192	390	774	1,356
October	6	192	45	243	(s)	1	9	10	R 252	372	793	1,418
November	7	R 262	48	317	(s)	1	8	10	R 326	345	757	1,428
December	8	355	59	422	(s)	1	9	10	R 432	357	794	R 1,583
Total	66	R 2,902	620	R 3,587	1	14	102	117	R 3,705	4,435	9,586	R 17,725
2007 January	7	R 444	64	R 516	(s)	1	R 8	10	R 525	R 364	R 811	R 1,701
February	7	R 491	68	R 567	(s)	1	R 7	9	R 575	R 344	R 710	R 1,629
March	7	R 364	66	R 437	(s)	1	R 8	10	R 447	R 350	R 746	R 1,543
April	5	R 267	42	R 314	(s)	1	8	9	R 323	R 345	R 740	R 1,408
May	5	R 173	34	R 212	(s)	1	R 8	10	R 221	R 370	R 823	R 1,415
June	5	R 139	37	R 180	(s)	1	R 8	R 9	189	R 400	R 882	R 1,472
July	5	R 126	37	R 168	(s)	1	R 8	10	R 177	R 423	R 925	R 1,525
August	5	R 131	41	176	(s)	1	R 8	R 9	186	R 445	R 987	R 1,618
September	5	131	41	177	(s)	1	8	R 9	186	R 409	R 815	R 1,410
October	6	162	47	R 215	(s)	1	R 8	10	225	R 391	R 810	R 1,425
November	7	R 264	59	R 330	(s)	1	R 8	R 9	R 340	357	R 762	R 1,459
December	8	R 405	86	R 499	(s)	1	R 8	10	R 508	R 361	R 811	R 1,681
Total	71	R 3,095	623	R 3,790	1	14	R 98	R 113	R 3,903	R 4,560	R 9,823	R 18,285
2008 January	7	R 485	81	R 574	(s)	1	8	9	R 583	374	806	R 1,763
February	7	466	78	551	(s)	1	8	9	560	358	728	R 1,647
March	7	R 386	64	457	(s)	1	8	10	467	354	757	1,578
April	5	263	49	317	(s)	1	9	10	327	353	747	R 1,427
May	5	184	39	228	(s)	1	9	10	238	370	827	1,435
June	6	R 137	41	184	(s)	1	9	10	R 193	414	939	1,547
July	5	R 130	41	176	(s)	1	9	10	186	447	975	1,608
August	5	129	38	172	(s)	1	9	10	182	435	926	1,543
September	5	132	37	174	(s)	1	8	10	R 184	415	827	1,425
October	6	188	R 43	R 236	(s)	1	8	9	R 245	385	815	R 1,445
November	8	279	49	336	(s)	1	9	10	345	356	785	1,486
11-Month Total ...	64	2,780	559	3,403	1	13	93	107	3,511	4,261	9,130	16,902
2007 11-Month Total ...	64	2,691	537	3,291	1	13	90	104	3,395	4,198	9,010	16,603
2006 11-Month Total ...	58	2,547	561	3,165	1	13	94	107	3,273	4,078	8,793	16,144

^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

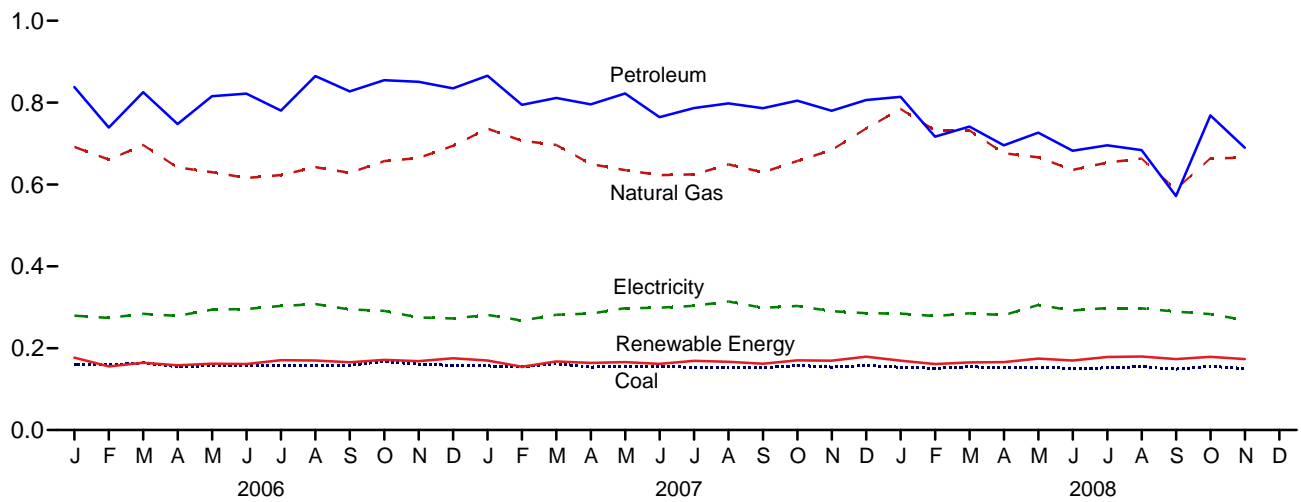
electricity retail sales. See Note 2, "Electrical System Energy Losses," at end of section.
R=Revised. NA=Not available. (s)=Less than 0.5 trillion Btu and greater than -0.5 trillion Btu.
Notes: • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only 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)

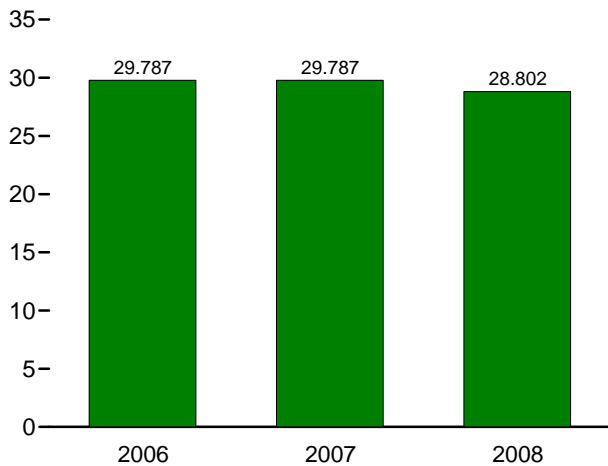
By Major Sources, 1973-2007



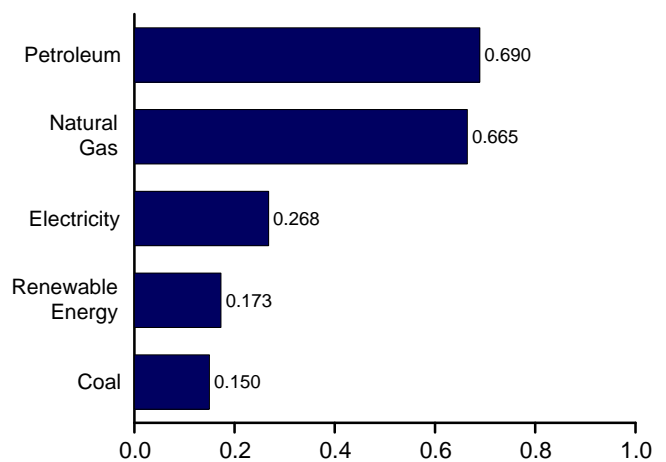
By Major Sources, Monthly



Total, January-November



By Major Sources, November 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)

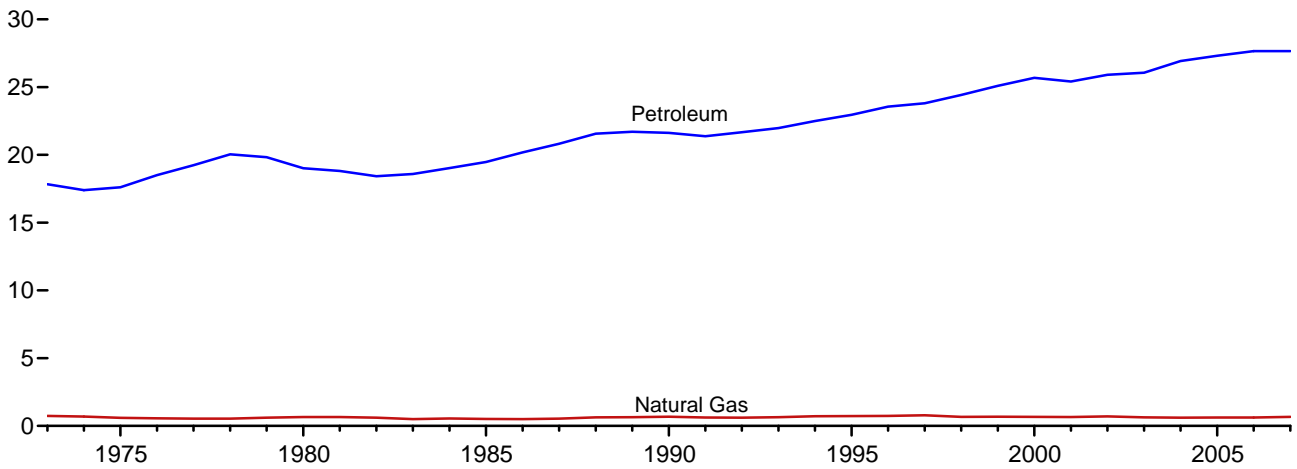
	Primary Consumption ^a									Electricity Retail Sales ^g	Electrical System Energy Losses ^h	Total ^e
	Fossil Fuels				Renewable Energy ^b				Total Primary			
	Coal	Natural Gas ^c	Petroleum ^d	Total ^e	Hydroelectric Power ^f	Geothermal	Bio-mass	Total				
1973 Total	4,057	10,388	9,104	23,541	35	NA	1,165	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	R 692	838	R 1,693	4	(s)	173	177	R 1,870	279	590	R 2,739
February	159	R 661	739	R 1,563	3	(s)	152	155	R 1,718	274	582	R 2,574
March	164	R 696	825	R 1,692	2	(s)	162	164	R 1,857	284	606	R 2,747
April	155	R 641	748	R 1,547	2	(s)	156	158	R 1,705	279	603	R 2,587
May	157	R 630	816	R 1,607	2	(s)	160	162	R 1,769	294	669	R 2,732
June	157	R 616	822	R 1,601	2	(s)	159	161	R 1,762	296	656	R 2,714
July	158	R 623	780	R 1,565	2	(s)	168	171	R 1,736	303	675	R 2,714
August	158	R 642	865	R 1,668	2	(s)	168	170	R 1,838	308	662	R 2,808
September	158	R 628	827	R 1,627	2	(s)	163	165	R 1,793	295	585	R 2,672
October	168	R 657	855	R 1,692	3	(s)	168	172	R 1,864	291	621	R 2,776
November	161	R 665	851	R 1,677	4	(s)	164	168	R 1,846	275	604	R 2,725
December	158	R 694	835	R 1,690	3	(s)	172	175	R 1,865	273	606	R 2,744
Total	1,914	R 7,846	9,801	R 19,623	29	4	1,966	2,000	R 21,623	3,451	7,459	R 32,532
2007 January	157	R 736	R 866	R 1,762	R 2	(s)	R 168	R 170	R 1,932	R 281	R 627	R 2,839
February	154	R 707	R 794	R 1,656	R 1	(s)	153	155	R 1,811	R 267	R 552	R 2,631
March	162	R 696	811	R 1,669	2	(s)	R 165	167	R 1,836	R 282	R 600	R 2,718
April	154	R 650	796	R 1,601	2	(s)	R 162	R 164	R 1,765	R 284	R 610	R 2,660
May	156	R 635	R 822	R 1,616	2	(s)	R 164	R 166	R 1,782	R 298	R 661	R 2,741
June	156	R 623	764	R 1,549	R 1	(s)	R 160	R 161	R 1,710	R 299	R 658	R 2,668
July	153	R 625	R 787	R 1,563	1	(s)	R 168	R 169	R 1,732	R 304	R 665	R 2,700
August	152	R 649	R 798	R 1,602	R 1	(s)	R 166	R 167	R 1,768	R 314	697	R 2,779
September	152	R 629	786	R 1,571	1	(s)	R 161	R 162	R 1,733	R 298	R 594	R 2,626
October	158	R 657	805	R 1,620	1	(s)	R 169	R 170	R 1,790	R 303	R 629	R 2,722
November	154	R 684	R 780	R 1,623	1	(s)	R 168	R 170	R 1,792	R 290	R 620	R 2,703
December	158	R 737	R 806	R 1,704	2	(s)	R 177	179	R 1,884	R 286	R 641	R 2,811
Total	1,865	R 8,030	R 9,616	R 19,536	R 16	5	R 1,980	R 2,001	R 21,536	R 3,507	R 7,555	R 32,599
2008 January	153	R 785	814	R 1,756	2	(s)	167	169	R 1,925	284	R 613	R 2,822
February	151	R 732	717	R 1,602	3	(s)	158	161	R 1,763	279	566	R 2,608
March	155	R 732	741	R 1,636	3	(s)	162	165	R 1,801	285	609	R 2,696
April	152	R 676	696	R 1,532	2	(s)	163	166	R 1,698	281	593	R 2,572
May	154	R 666	727	R 1,549	2	(s)	172	174	R 1,724	305	682	R 2,711
June	151	R 636	682	R 1,477	1	(s)	169	170	R 1,648	292	663	R 2,602
July	152	R 654	696	R 1,507	1	(s)	177	178	R 1,685	298	651	R 2,634
August	155	R 663	684	R 1,503	1	(s)	178	180	R 1,683	297	633	R 2,614
September	149	R 588	572	R 1,311	1	(s)	172	173	R 1,484	290	578	R 2,351
October	R 156	R 664	R 769	R 1,590	1	(s)	177	179	R 1,768	283	599	R 2,650
November	150	665	690	1,507	1	(s)	172	173	1,680	268	592	2,540
11-Month Total ...	1,678	7,462	7,787	16,969	18	4	1,867	1,890	18,859	3,163	6,779	28,802
2007 11-Month Total ...	1,707	7,293	8,810	17,831	14	4	1,803	1,821	19,652	3,221	6,913	29,787
2006 11-Month Total ...	1,757	7,152	8,966	17,933	26	4	1,794	1,824	19,757	3,178	6,852	29,787

^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

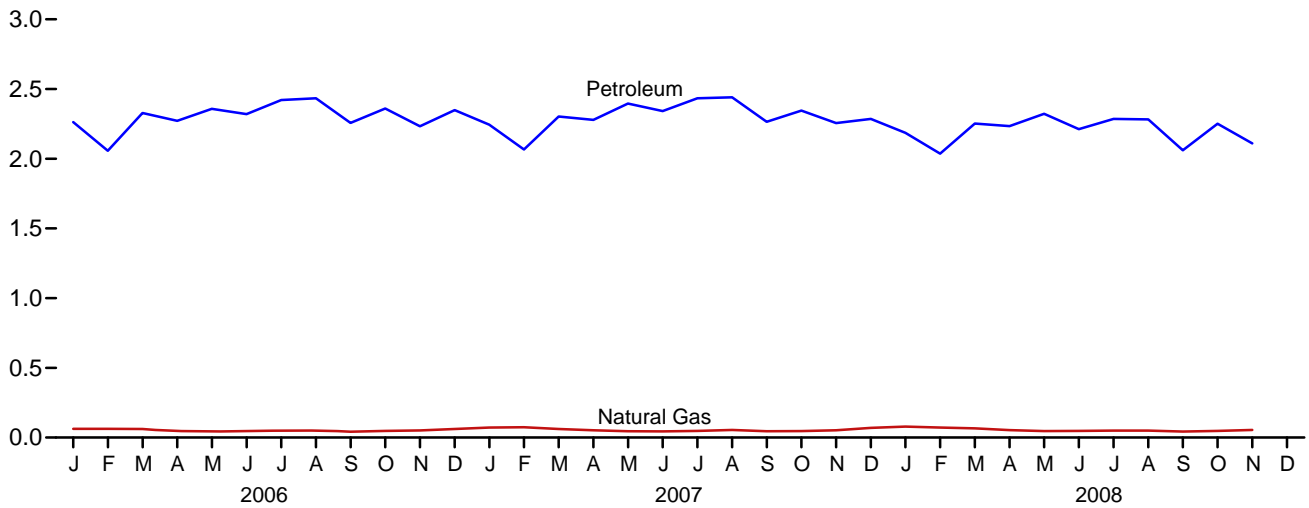
allocated to the end-use sectors in proportion to each sector's share of total electricity retail sales. See Note 2, "Electrical System Energy Losses," at end of section.
R=Revised. NA=Not available. (s)=Less than 0.5 trillion Btu.
Notes: • The industrial sector includes industrial combined-heat-and-power (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)

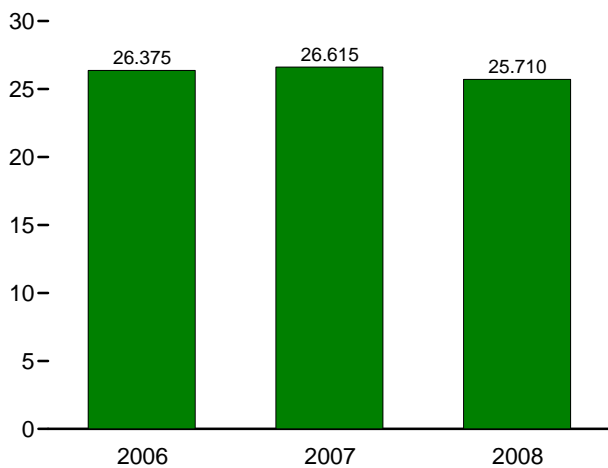
By Major Sources, 1973-2007



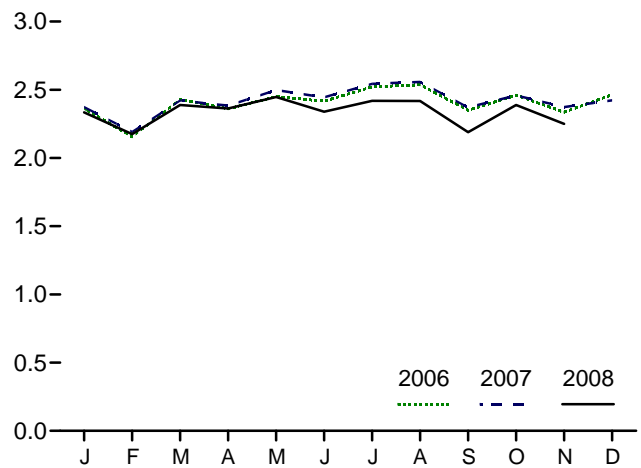
By Major Sources, Monthly



Total, January-November



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	2,262	2,325	31	2,356	2	5	2,363
February	(g)	62	2,057	2,119	29	2,148	2	4	R 2,154
March	(g)	R 61	2,329	2,390	33	2,423	2	5	2,429
April	(g)	R 48	2,271	2,320	34	2,354	2	4	2,360
May	(g)	44	2,358	2,402	41	2,443	2	4	2,449
June	(g)	45	2,320	2,365	45	2,410	2	5	2,417
July	(g)	51	2,421	2,472	42	2,514	2	5	2,521
August	(g)	R 50	2,434	2,485	45	R 2,529	2	5	2,536
September	(g)	42	2,257	2,299	44	2,343	2	4	2,349
October	(g)	47	2,360	R 2,407	46	2,454	2	4	2,460
November	(g)	51	2,233	2,284	45	2,329	2	4	2,336
December	(g)	61	2,349	2,410	48	2,458	2	5	2,465
Total	(g)	R 625	27,652	R 28,277	483	R 28,760	25	54	R 28,839
2007 January	(g)	R 72	2,245	2,316	48	R 2,364	R 3	6	R 2,373
February	(g)	R 75	R 2,066	2,141	43	2,184	2	5	R 2,192
March	(g)	R 62	2,303	2,364	48	2,413	R 3	5	2,421
April	(g)	52	2,279	2,331	46	2,377	2	R 5	2,384
May	(g)	45	2,396	2,441	50	R 2,491	2	5	2,498
June	(g)	45	2,342	2,387	51	R 2,437	2	5	2,445
July	(g)	48	R 2,433	2,481	55	2,536	2	5	2,543
August	(g)	R 55	R 2,440	2,495	55	R 2,550	2	5	2,558
September	(g)	46	2,265	2,311	53	2,364	2	R 5	2,371
October	(g)	R 47	2,345	R 2,392	59	2,452	2	R 5	2,458
November	(g)	53	2,255	2,308	58	2,366	2	5	2,373
December	(g)	69	2,285	2,354	61	R 2,416	2	5	R 2,423
Total	(g)	667	27,655	28,322	629	R 28,950	R 28	R 60	R 29,038
2008 January	(g)	78	2,186	2,264	62	R 2,327	2	5	2,334
February	(g)	R 72	2,037	2,108	60	2,168	2	5	2,175
March	(g)	66	2,252	2,317	64	2,382	2	5	R 2,389
April	(g)	53	2,234	2,287	69	2,356	2	4	2,363
May	(g)	R 47	2,322	R 2,369	72	R 2,441	2	5	2,447
June	(g)	47	2,212	2,259	73	2,332	2	5	2,339
July	(g)	50	2,285	2,335	76	2,411	2	5	2,418
August	(g)	R 50	2,282	2,332	79	R 2,411	2	5	R 2,418
September	(g)	43	2,060	R 2,104	79	2,183	2	4	2,189
October	(g)	48	R 2,252	R 2,300	82	R 2,382	2	5	R 2,388
November	(g)	54	2,110	2,165	78	2,243	2	5	2,250
11-Month Total ...	(g)	609	24,231	24,840	795	25,635	24	51	25,710
2007 11-Month Total ...	(g)	597	25,370	25,967	567	26,535	26	55	26,615
2006 11-Month Total ...	(g)	564	25,303	25,867	435	26,302	23	49	26,375

^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 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. 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.

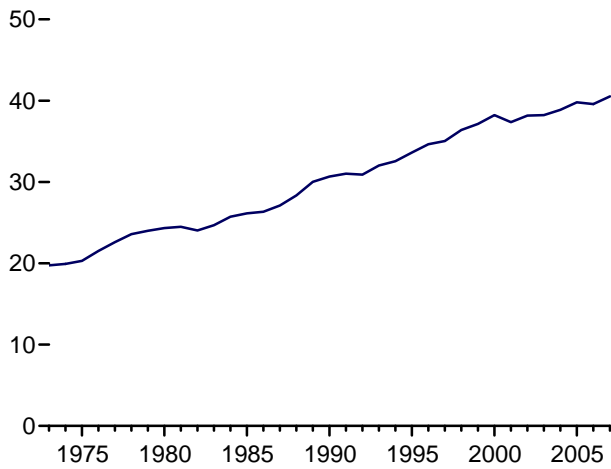
• Geographic coverage is the 50 States and the District of Columbia.

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

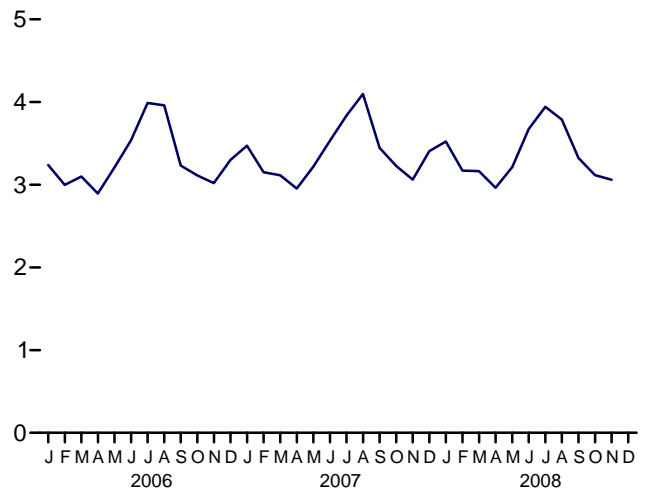
Sources: Tables 2.6, 3.8c, 4.3, 6.2, 7.6, 10.2b, A4, A5, and A6.

Figure 2.6 Electric Power Sector Energy Consumption
(Quadrillion Btu)

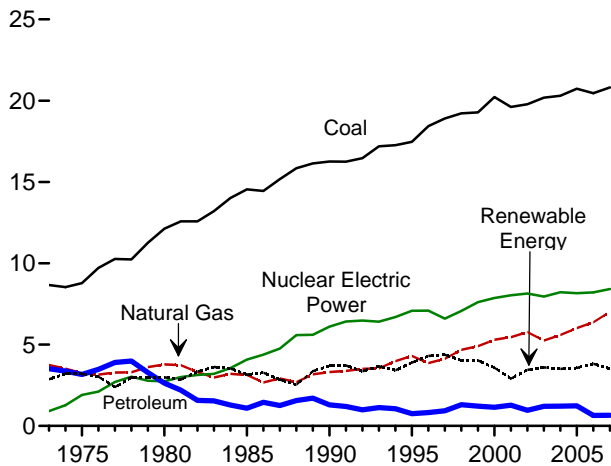
Total, 1973-2007



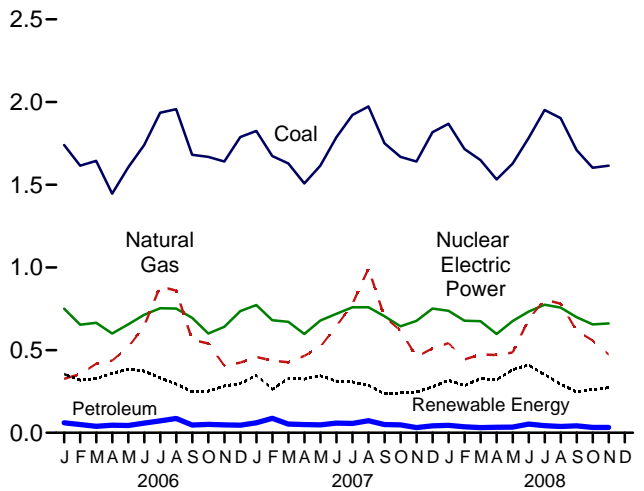
Total, Monthly



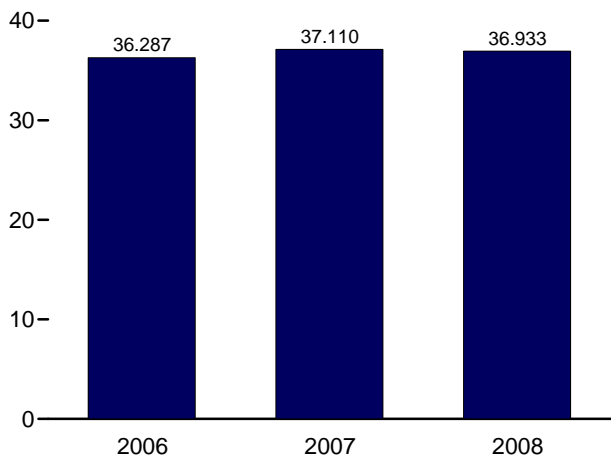
By Major Sources, 1973-2007



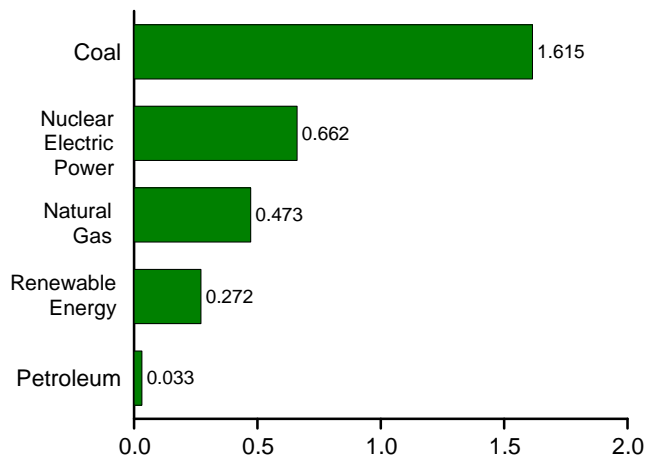
By Major Sources, Monthly



Total, January-November



By Major Sources, November 2008



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

Source: Table 2.6.

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	R 459	60	R 2,345	772	R 256	27	(s)	24	R 39	347	6	R 3,471	
February	R 1,673	R 436	R 88	R 2,197	681	183	R 24	(s)	25	R 32	R 264	10	R 3,151	
March	R 1,629	R 426	53	2,108	671	R 238	R 25	(s)	30	R 35	R 328	6	R 3,114	
April	R 1,508	R 464	R 50	R 2,023	598	235	24	1	R 31	33	325	10	R 2,955	
May	R 1,616	R 520	48	R 2,183	678	R 257	R 24	1	R 29	34	R 345	12	R 3,218	
June	R 1,786	R 644	R 58	R 2,488	719	225	26	1	R 26	R 35	R 313	11	R 3,531	
July	R 1,922	R 779	R 56	R 2,758	759	R 222	R 26	1	R 21	36	R 307	13	R 3,836	
August	R 1,973	R 993	R 73	R 3,039	759	R 197	R 26	1	R 27	R 36	R 287	12	R 4,097	
September	R 1,751	R 700	R 50	R 2,500	705	R 145	26	1	R 28	35	R 235	5	R 3,446	
October	R 1,669	R 619	48	R 2,335	644	146	27	(s)	R 33	R 35	R 241	7	3,227	
November	R 1,641	R 459	R 31	R 2,131	R 677	R 154	R 25	(s)	R 31	36	R 246	9	R 3,063	
December	1,817	510	42	2,370	751	R 180	27	(s)	R 35	37	R 278	7	R 3,407	
Total	R 20,810	R 7,012	R 657	R 28,479	R 8,414	R 2,439	R 308	6	R 342	R 423	R 3,517	R 107	R 40,517	
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	1,783	685	53	2,521	733	304	26	1	43	35	410	9	3,673	
July	1,952	806	43	2,800	775	256	27	1	32	36	352	15	3,942	
August	1,902	781	39	2,722	757	204	27	1	26	36	294	15	3,787	
September	1,709	616	42	2,368	699	163	26	1	24	33	247	10	3,324	
October	1,602	559	32	2,193	655	162	26	1	41	32	262	6	3,115	
November	1,615	473	33	2,121	662	168	25	(s)	44	34	272	4	3,059	
11-Month Total	18,958	6,335	422	25,714	7,645	2,393	282	8	409	377	3,469	105	36,933	
2007 11-Month Total	18,992	6,501	615	26,108	7,663	2,258	281	6	307	387	3,239	100	37,110	
2006 11-Month Total	18,673	5,950	603	25,226	7,478	2,628	279	5	239	377	3,528	55	36,287	

^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, 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.