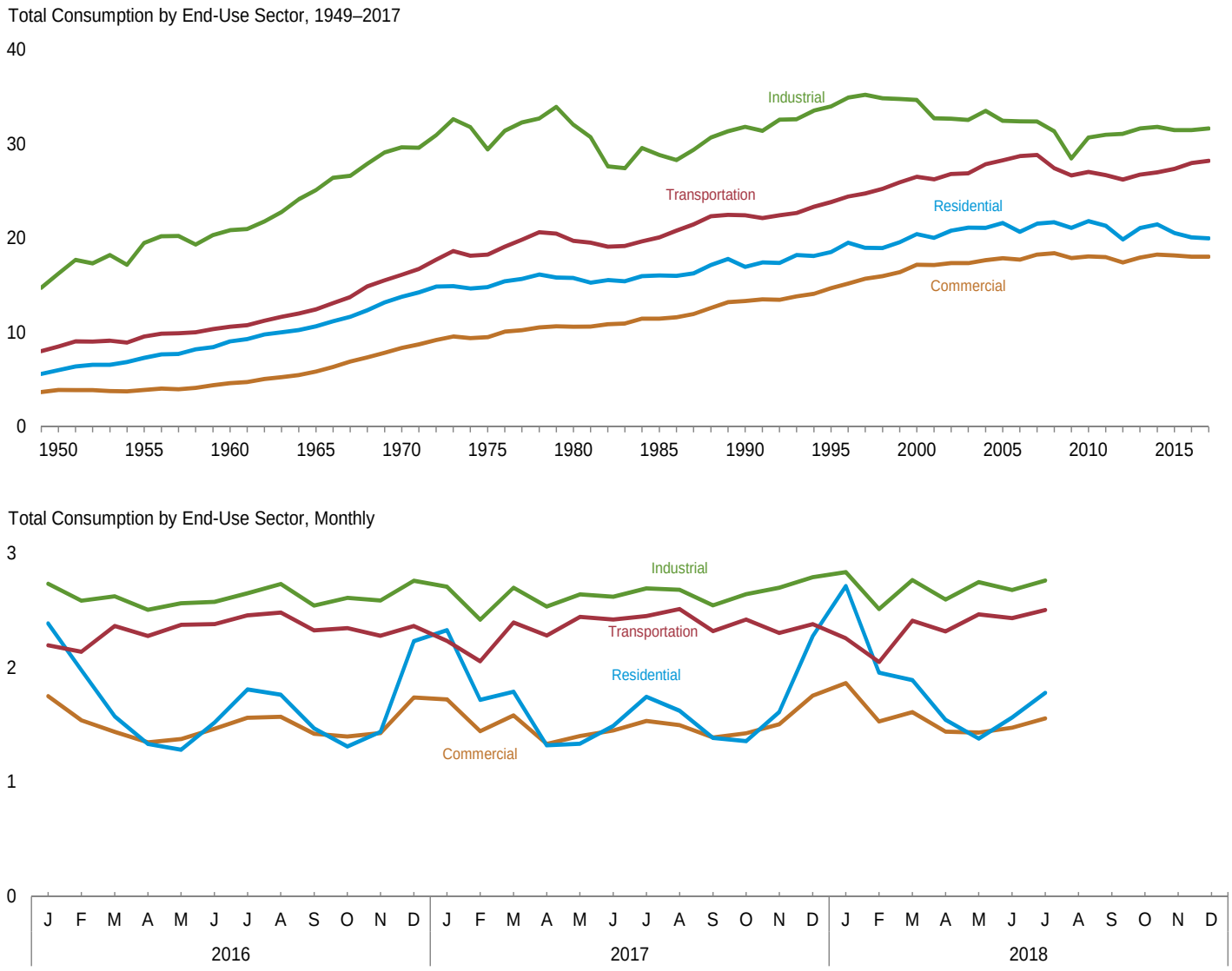
2. Energy Consumption By Sector

Figure 2.1 Energy Consumption by Sector

(Quadrillion Btu)



Web Page: http://www.eia.gov/totalenergy/data/monthly/#consumption.
Source: Table 2.1.

Table 2.1 Energy Consumption by Sector

(Trillion Btu)

	End-Use Sectors								Electric Power Sector[c,d]	Balancing Item[g]	Primary 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]		
1950 Total	**4,829**	**5,989**	**2,834**	**3,893**	**13,890**	**16,241**	**8,383**	**8,492**	**4,679**	**(s)**	**34,616**
1955 Total	**5,608**	**7,278**	**2,561**	**3,895**	**16,103**	**19,485**	**9,474**	**9,550**	**6,461**	**(s)**	**40,208**
1960 Total	**6,651**	**9,039**	**2,723**	**4,609**	**16,996**	**20,842**	**10,560**	**10,596**	**8,158**	**(s)**	**45,086**
1965 Total	**7,279**	**10,639**	**3,177**	**5,845**	**20,148**	**25,098**	**12,399**	**12,432**	**11,012**	**(s)**	**54,015**
1970 Total	**8,322**	**13,766**	**4,237**	**8,346**	**22,964**	**29,628**	**16,062**	**16,098**	**16,253**	**(s)**	**67,838**
1975 Total	**7,990**	**14,813**	**4,059**	**9,492**	**21,434**	**29,413**	**18,210**	**18,245**	**20,270**	**1**	**71,965**
1980 Total	**7,439**	**15,753**	**4,105**	**10,578**	**22,595**	**32,039**	**19,659**	**19,697**	**24,269**	**-1**	**78,067**
1985 Total	**7,148**	**16,041**	**3,732**	**11,451**	**19,443**	**28,816**	**20,041**	**20,088**	**26,032**	**-4**	**76,392**
1990 Total	**6,552**	**16,940**	**3,893**	**13,317**	**21,172**	**31,802**	**22,366**	**22,419**	**[d] 30,495**	**7**	**84,485**
1995 Total	**6,934**	**18,517**	**4,100**	**14,690**	**22,718**	**[R] 33,969**	**[R] 23,757**	**[R] 23,812**	**33,479**	**3**	**[R] 90,991**
2000 Total	**7,156**	**20,421**	**4,278**	**17,175**	**22,823**	**34,662**	**[R] 26,456**	**[R] 26,516**	**38,062**	**2**	**[R] 98,776**
2001 Total	**6,864**	**20,038**	**[R] 4,084**	**17,137**	**[R] 21,792**	**[R] 32,718**	**[R] 26,179**	**[R] 26,242**	**37,215**	**-6**	**[R] 96,129**
2002 Total	**6,907**	**20,786**	**4,132**	**17,346**	**[R] 21,797**	**[R] 32,660**	**[R] 26,747**	**[R] 26,808**	**38,016**	**5**	**[R] 97,605**
2003 Total	**7,232**	**21,119**	**4,298**	**17,346**	**[R] 21,533**	**32,553**	**[R] 26,807**	**[R] 26,881**	**38,028**	**-1**	**[R] 97,898**
2004 Total	**6,987**	**21,081**	**4,232**	**17,655**	**22,411**	**[R] 33,515**	**[R] 27,748**	**[R] 27,827**	**38,701**	**-6**	**[R] 100,073**
2005 Total	**6,901**	**21,613**	**4,052**	**17,853**	**21,410**	**[R] 32,441**	**[R] 28,180**	**[R] 28,261**	**39,626**	**(s)**	**[R] 100,168**
2006 Total	**6,154**	**20,670**	**3,747**	**17,707**	**21,529**	**[R] 32,390**	**[R] 28,618**	**[R] 28,697**	**39,417**	**(s)**	**[R] 99,464**
2007 Total	**6,589**	**21,519**	**3,922**	**18,253**	**[R] 21,362**	**[R] 32,384**	**[R] 28,728**	**[R] 28,815**	**40,371**	**-1**	**[R] 100,971**
2008 Total	**6,889**	**21,668**	**4,100**	**18,402**	**[R] 20,527**	**[R] 31,333**	**[R] 27,340**	**[R] 27,422**	**39,969**	**1**	**[R] 98,825**
2009 Total	**6,633**	**21,077**	**4,055**	**17,887**	**[R] 18,755**	**[R] 28,465**	**[R] 26,566**	**[R] 26,648**	**38,069**	**(s)**	**[R] 94,078**
2010 Total	**6,539**	**21,794**	**4,023**	**18,058**	**20,421**	**30,669**	**[R] 26,935**	**[R] 27,017**	**39,619**	**7**	**[R] 97,544**
2011 Total	**6,398**	**21,307**	**4,064**	**17,980**	**20,591**	**30,979**	**[R] 26,606**	**[R] 26,687**	**39,293**	**8**	**[R] 96,960**
2012 Total	**5,666**	**19,851**	**3,723**	**17,420**	**20,884**	**31,057**	**[R] 26,126**	**[R] 26,202**	**38,131**	**2**	**[R] 94,532**
2013 Total	**6,697**	**21,060**	**4,161**	**17,929**	**21,478**	**31,625**	**[R] 26,643**	**[R] 26,721**	**38,357**	**-1**	**[R] 97,334**
2014 Total	**7,014**	**21,453**	**4,390**	**18,264**	**21,560**	**31,796**	**[R] 26,889**	**[R] 26,969**	**38,629**	**6**	**[R] 98,487**
2015 Total	**6,386**	**20,539**	**4,441**	**18,157**	**21,525**	**31,469**	**[R] 27,274**	**[R] 27,351**	**37,890**	**1**	**[R] 97,516**
2016 January	1,050	[R] 2,384	627	1,751	[R] 1,928	[R] 2,731	[R] 2,188	[R] 2,194	3,267	(s)	[R] 9,060
February	848	1,977	[R] 532	[R] 1,539	[R] 1,837	[R] 2,584	[R] 2,131	[R] 2,138	2,889	-4	[R] 8,234
March	594	1,574	[R] 405	1,438	[R] 1,847	[R] 2,621	[R] 2,356	[R] 2,362	2,794	-7	[R] 7,988
April	453	1,333	[R] 329	[R] 1,346	[R] 1,720	[R] 2,504	[R] 2,270	[R] 2,276	2,687	-5	[R] 7,454
May	316	1,281	265	1,376	[R] 1,727	[R] 2,562	[R] 2,367	[R] 2,373	2,918	-3	[R] 7,589
June	228	1,520	222	1,464	[R] 1,710	[R] 2,573	[R] 2,373	[R] 2,379	3,404	3	[R] 7,940
July	218	[R] 1,809	222	1,561	[R] 1,751	[R] 2,648	[R] 2,449	[R] 2,456	3,833	6	[R] 8,480
August	204	1,762	224	1,569	[R] 1,841	[R] 2,729	[R] 2,475	[R] 2,481	3,797	7	[R] 8,548
September	222	1,469	230	1,421	[R] 1,737	[R] 2,540	[R] 2,317	[R] 2,324	3,247	3	[R] 7,757
October	315	1,310	290	1,397	[R] 1,808	[R] 2,608	[R] 2,338	[R] 2,344	2,909	(s)	[R] 7,659
November	511	1,438	382	1,427	[R] 1,806	[R] 2,586	[R] 2,271	[R] 2,277	2,757	-3	[R] 7,724
December	972	2,231	594	[R] 1,738	[R] 1,942	[R] 2,758	[R] 2,357	[R] 2,363	3,225	(s)	[R] 9,090
Total	**[R] 5,932**	**[R] 20,081**	**[R] 4,321**	**[R] 18,030**	**[R] 21,657**	**[R] 31,450**	**[R] 27,891**	**[R] 27,967**	**37,727**	**[R] -4**	**[R] 97,524**
2017 January	[R] 1,009	[R] 2,325	[R] 607	[R] 1,721	[R] 1,933	[R] 2,705	[R] 2,226	[R] 2,233	[R] 3,208	[R] (s)	[R] 8,984
February	[R] 720	[R] 1,717	[R] 465	[R] 1,445	1,710	2,418	[R] 2,048	[R] 2,054	2,691	-3	[R] 7,630
March	[R] 729	[R] 1,789	[R] 484	[R] 1,582	[R] 1,901	[R] 2,696	[R] 2,386	[R] 2,393	2,961	[R] -4	[R] 8,457
April	[R] 406	[R] 1,321	[R] 308	[R] 1,333	[R] 1,769	[R] 2,533	[R] 2,273	[R] 2,279	[R] 2,709	[R] -4	7,462
May	[R] 317	[R] 1,335	[R] 269	[R] 1,401	[R] 1,813	[R] 2,638	[R] 2,436	[R] 2,442	[R] 2,981	[R] -2	[R] 7,813
June	243	1,490	[R] 231	1,450	[R] 1,777	[R] 2,617	[R] 2,413	[R] 2,420	3,312	[R] 2	[R] 7,979
July	219	1,745	[R] 220	1,534	[R] 1,829	[R] 2,691	[R] 2,443	[R] 2,450	3,708	[R] 5	[R] 8,425
August	215	1,623	[R] 227	[R] 1,497	[R] 1,826	[R] 2,678	[R] 2,504	[R] 2,510	3,536	[R] 4	[R] 8,311
September	[R] 224	1,385	[R] 230	[R] 1,389	[R] 1,760	[R] 2,543	[R] 2,312	[R] 2,318	3,107	[R] (s)	[R] 7,634
October	[R] 326	[R] 1,356	296	[R] 1,426	1,845	2,640	[R] 2,414	[R] 2,420	[R] 2,961	[R] -2	[R] 7,839
November	613	1,613	[R] 432	[R] 1,504	1,917	[R] 2,696	[R] 2,296	[R] 2,302	2,856	[R] -3	[R] 8,112
December	[R] 1,002	[R] 2,273	[R] 620	[R] 1,755	1,988	2,789	[R] 2,371	[R] 2,378	3,214	[R] -2	[R] 9,194
Total	**[R] 6,022**	**[R] 19,969**	**[R] 4,390**	**[R] 18,037**	**[R] 22,071**	**[R] 31,645**	**[R] 28,123**	**[R] 28,199**	**[R] 37,245**	**[R] -8**	**[R] 97,841**
2018 January	1,190	2,711	[R] 695	[R] 1,864	[R] 2,057	[R] 2,832	[R] 2,247	[R] 2,255	[R] 3,472	[R] (s)	[R] 9,663
February	[R] 847	[R] 1,954	[R] 534	[R] 1,529	[R] 1,807	[R] 2,511	[R] 2,042	[R] 2,049	[R] 2,813	-3	[R] 8,039
March	819	1,890	530	1,611	[R] 1,987	[R] 2,763	[R] 2,404	[R] 2,410	2,934	-5	[R] 8,668
April	[R] 587	[R] 1,543	[R] 405	[R] 1,439	[R] 1,837	[R] 2,594	[R] 2,310	[R] 2,316	[R] 2,751	[R] -6	[R] 7,884
May	293	[R] 1,380	254	[R] 1,432	[R] 1,889	[R] 2,745	[R] 2,456	[R] 2,463	[R] 3,128	[R] -3	[R] 8,016
June	235	[R] 1,563	228	[R] 1,475	[R] 1,840	[R] 2,676	[R] 2,425	[R] 2,432	[R] 3,416	[R] 1	[R] 8,146
July	225	1,779	223	1,555	1,891	2,759	2,495	2,502	3,759	4	8,598
7-Month Total	**4,197**	**12,820**	**2,870**	**10,905**	**13,307**	**18,878**	**16,380**	**16,425**	**22,274**	**-12**	**59,015**
2017 7-Month Total	**3,642**	**11,722**	**2,586**	**10,465**	**12,733**	**18,298**	**16,225**	**16,270**	**21,570**	**-5**	**56,750**
2016 7-Month Total	**3,708**	**11,877**	**2,601**	**10,476**	**12,520**	**18,224**	**16,134**	**16,178**	**21,791**	**-10**	**56,745**

[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 1, "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.

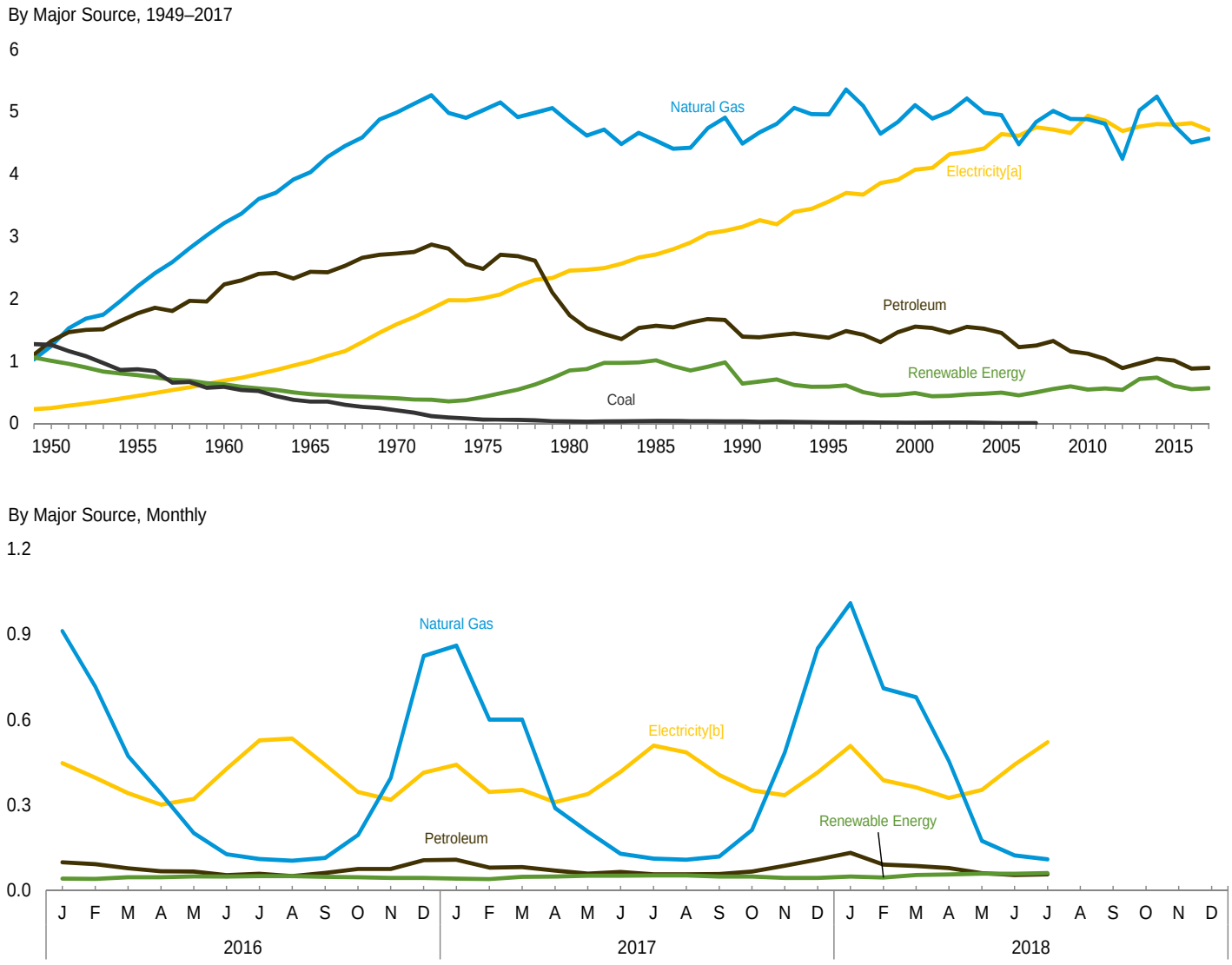
Notes: • Data are estimates, except for the electric power sector. • See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 2, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/#consumption (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: • **End-Use Sectors:** Tables 2.2–2.5. • **Electric Power Sector:** Table 2.6. • **Balancing Item:** Calculated as primary energy total consumption minus the sum of total energy consumption in the four end-use sectors. • **Primary Total:** Table 1.3.

Figure 2.2 Residential Sector Energy Consumption

(Quadrillion Btu)



[a] Energy retail sales.

Web Page: http://www.eia.gov/totalenergy/data/monthly/#consumption.

Source: Table 2.2.

Table 2.2 Residential Sector Energy Consumption

(Trillion Btu)

	Primary Consumption[a]											
	Fossil Fuels				Renewable Energy[b]							
	Coal	Natural Gas[c]	Petro-leum	Total	Geo-thermal	Solar[d]	Bio-mass	Total	Total Primary	Electricity Retail Sales[e]	Electrical System Energy Losses[f]	Total
1950 Total	**1,261**	**1,240**	**1,322**	**3,824**	**NA**	**NA**	**1,006**	**1,006**	**4,829**	**246**	**913**	**5,989**
1955 Total	**867**	**2,198**	**1,767**	**4,833**	**NA**	**NA**	**775**	**775**	**5,608**	**438**	**1,232**	**7,278**
1960 Total	**585**	**3,212**	**2,227**	**6,024**	**NA**	**NA**	**627**	**627**	**6,651**	**687**	**1,701**	**9,039**
1965 Total	**352**	**4,028**	**2,432**	**6,811**	**NA**	**NA**	**468**	**468**	**7,279**	**993**	**2,367**	**10,639**
1970 Total	**209**	**4,987**	**2,725**	**7,922**	**NA**	**NA**	**401**	**401**	**8,322**	**1,591**	**3,852**	**13,766**
1975 Total	**63**	**5,023**	**2,479**	**7,564**	**NA**	**NA**	**425**	**425**	**7,990**	**2,007**	**4,817**	**14,813**
1980 Total	**31**	**4,825**	**1,734**	**6,589**	**NA**	**NA**	**850**	**850**	**7,439**	**2,448**	**5,866**	**15,753**
1985 Total	**39**	**4,534**	**1,565**	**6,138**	**NA**	**NA**	**1,010**	**1,010**	**7,148**	**2,709**	**6,184**	**16,041**
1990 Total	**31**	**4,487**	**1,394**	**5,912**	**6**	**55**	**580**	**640**	**6,552**	**3,153**	**7,235**	**16,940**
1995 Total	**17**	**4,954**	**1,373**	**6,345**	**7**	**63**	**520**	**589**	**6,934**	**3,557**	**8,026**	**18,517**
2000 Total	**11**	**5,105**	**1,553**	**6,669**	**9**	**58**	**420**	**486**	**7,156**	**4,069**	**9,197**	**20,421**
2001 Total	**12**	**4,889**	**1,528**	**6,429**	**9**	**55**	**370**	**435**	**6,864**	**4,100**	**9,074**	**20,038**
2002 Total	**12**	**4,995**	**1,456**	**6,463**	**10**	**53**	**380**	**443**	**6,907**	**4,317**	**9,562**	**20,786**
2003 Total	**12**	**5,209**	**1,546**	**6,768**	**13**	**52**	**400**	**465**	**7,232**	**4,353**	**9,534**	**21,119**
2004 Total	**11**	**4,981**	**1,519**	**6,511**	**14**	**51**	**410**	**475**	**6,987**	**4,408**	**9,687**	**21,081**
2005 Total	**8**	**4,946**	**1,450**	**6,405**	**16**	**50**	**430**	**496**	**6,901**	**4,638**	**10,074**	**21,613**
2006 Total	**6**	**4,476**	**1,221**	**5,704**	**18**	**53**	**380**	**451**	**6,154**	**4,611**	**9,905**	**20,670**
2007 Total	**8**	**4,835**	**1,249**	**6,092**	**22**	**55**	**420**	**497**	**6,589**	**4,750**	**10,180**	**21,519**
2008 Total	**NA**	**5,010**	**1,324**	**6,334**	**26**	**58**	**470**	**555**	**6,889**	**4,711**	**10,068**	**21,668**
2009 Total	**NA**	**4,883**	**1,157**	**6,040**	**33**	**60**	**500**	**593**	**6,633**	**4,657**	**9,788**	**21,077**
2010 Total	**NA**	**4,878**	**1,120**	**5,998**	**37**	**65**	**440**	**542**	**6,539**	**4,933**	**10,321**	**21,794**
2011 Total	**NA**	**4,805**	**1,033**	**5,838**	**40**	**71**	**450**	**560**	**6,398**	**4,855**	**10,054**	**21,307**
2012 Total	**NA**	**4,242**	**885**	**5,127**	**40**	**79**	**420**	**538**	**5,666**	**4,690**	**9,496**	**19,851**
2013 Total	**NA**	**5,023**	**963**	**5,986**	**40**	**91**	**580**	**711**	**6,697**	**4,759**	**9,604**	**21,060**
2014 Total	**NA**	**5,242**	**1,036**	**6,278**	**40**	**109**	**587**	**735**	**7,014**	**4,801**	**9,638**	**21,453**
2015 Total	**NA**	**4,777**	**1,007**	**5,783**	**40**	**127**	**436**	**602**	**6,386**	**4,791**	**9,362**	**20,539**
2016 January	NA	R 912	98	1,009	3	8	30	41	1,050	447	886	R 2,384
February	NA	R 716	92	808	3	10	28	40	848	396	733	1,977
March	NA	R 472	77	548	3	13	30	46	594	342	638	1,574
April	NA	340	67	407	3	14	29	46	453	301	579	1,333
May	NA	201	66	267	3	16	30	49	316	321	644	1,281
June	NA	127	53	180	3	17	29	48	228	427	865	1,520
July	NA	110	58	168	3	17	30	50	218	527	1,063	R 1,809
August	NA	104	50	155	3	17	30	50	204	534	1,024	1,762
September	NA	114	61	175	3	15	29	47	222	441	806	1,469
October	NA	194	75	269	3	13	30	46	315	346	649	1,310
November	NA	R 394	75	468	3	11	29	43	511	318	609	1,438
December	NA	R 824	106	R 930	3	10	30	43	972	414	845	2,231
Total	**NA**	**R 4,506**	**878**	**R 5,384**	**40**	**160**	**349**	**549**	**R 5,932**	**4,815**	**9,334**	**R 20,081**
2017 January	NA	R 861	107	R 968	3	10	28	41	R 1,009	441	875	R 2,325
February	NA	R 600	80	R 680	3	11	26	39	R 720	346	651	R 1,717
March	NA	R 600	81	R 682	3	16	28	47	R 729	353	707	R 1,789
April	NA	R 289	69	R 357	3	18	27	48	R 406	310	605	R 1,321
May	NA	R 206	59	R 265	3	19	28	51	R 317	338	681	R 1,335
June	NA	128	64	193	3	20	27	51	243	416	R 830	1,490
July	NA	111	56	167	3	20	28	52	219	509	1,017	1,745
August	NA	R 107	56	R 163	3	20	28	52	215	485	923	1,623
September	NA	119	57	176	3	18	27	48	R 224	406	754	1,385
October	NA	212	66	278	3	16	28	48	R 326	351	R 678	R 1,356
November	NA	484	86	570	3	12	27	43	613	334	666	1,613
December	NA	R 851	108	R 959	3	12	28	43	R 1,002	415	856	R 2,273
Total	**NA**	**R 4,568**	**889**	**R 5,457**	**40**	**191**	**334**	**565**	**R 6,022**	**4,705**	**R 9,243**	**R 19,969**
2018 January	NA	1,010	132	1,142	3	12	33	48	1,190	508	R 1,012	2,711
February	NA	R 711	90	R 801	3	13	30	45	R 847	387	R 721	R 1,954
March	NA	679	85	R 764	3	18	33	54	819	362	710	1,890
April	NA	R 454	78	R 532	3	20	32	55	R 587	325	R 631	R 1,543
May	NA	174	60	234	3	23	33	59	293	353	735	R 1,380
June	NA	123	54	177	3	23	32	58	235	442	R 885	R 1,563
July	NA	109	56	166	3	24	33	60	225	521	1,033	1,779
7-Month Total	**NA**	**3,260**	**557**	**3,817**	**23**	**133**	**224**	**380**	**4,197**	**2,897**	**5,726**	**12,820**
2017 7-Month Total	**NA**	**2,795**	**516**	**3,311**	**23**	**114**	**194**	**331**	**3,642**	**2,713**	**5,367**	**11,722**
2016 7-Month Total	**NA**	**2,877**	**510**	**3,388**	**23**	**94**	**203**	**321**	**3,708**	**2,761**	**5,408**	**11,877**

[a] See "Primary Energy Consumption" in Glossary.

[b] 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] Distributed (small-scale) solar photovoltaic (PV) electricity generation in the residential sector and distributed solar thermal energy in the residential, commercial, and industrial sectors. See Tables 10.2a and 10.5.

[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 1, "Electrical System Energy Losses," at end of section.

R=Revised. NA=Not available.

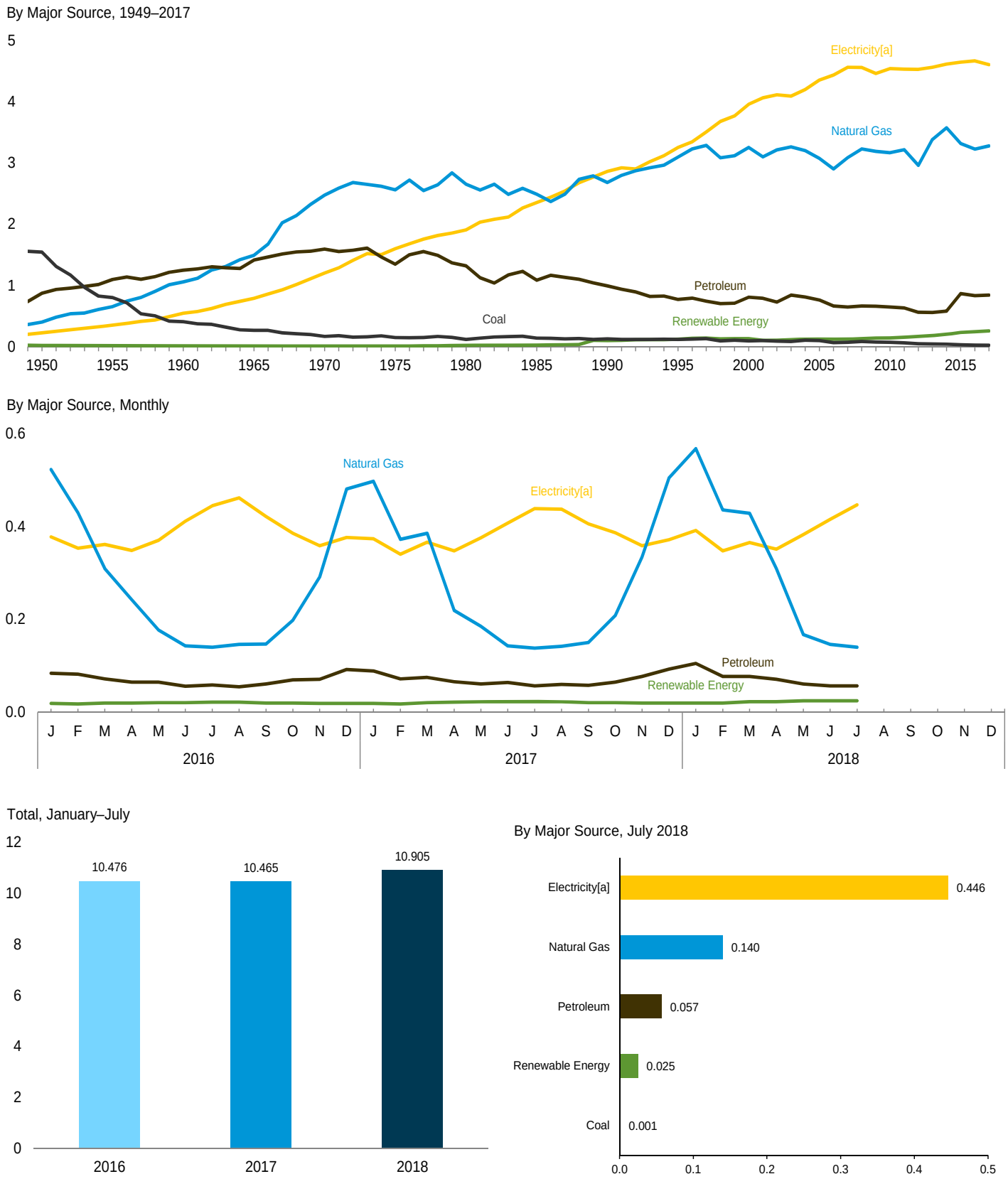
Notes: • Data are estimates, except for electricity retail sales. • See Note 2, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/#consumption (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Figure 2.3 Commercial Sector Energy Consumption

(Quadrillion Btu)



[a] Energy retail sales.
Web Page: http://www.eia.gov/totalenergy/data/monthly/#consumption.
Source: Table 2.3.

Table 2.3 Commercial Sector Energy Consumption

(Trillion Btu)

	Primary Consumption[a]													
	Fossil Fuels				Renewable Energy[b]									
	Coal	Natural Gas[c]	Petroleum[d]	Total	Hydroelectric Power[e]	Geothermal	Solar[f]	Wind	Biomass	Total	Total Primary	Electricity Retail Sales[g]	Electrical System Energy Losses[h]	Total
1950 Total	**1,542**	**401**	**872**	**2,815**	**NA**	**NA**	**NA**	**NA**	**19**	**19**	**2,834**	**225**	**834**	**3,893**
1955 Total	**801**	**651**	**1,095**	**2,547**	**NA**	**NA**	**NA**	**NA**	**15**	**15**	**2,561**	**350**	**984**	**3,895**
1960 Total	**407**	**1,056**	**1,248**	**2,711**	**NA**	**NA**	**NA**	**NA**	**12**	**12**	**2,723**	**543**	**1,344**	**4,609**
1965 Total	**265**	**1,490**	**1,413**	**3,168**	**NA**	**NA**	**NA**	**NA**	**9**	**9**	**3,177**	**789**	**1,880**	**5,845**
1970 Total	**165**	**2,473**	**1,592**	**4,229**	**NA**	**NA**	**NA**	**NA**	**8**	**8**	**4,237**	**1,201**	**2,908**	**8,346**
1975 Total	**147**	**2,558**	**1,346**	**4,051**	**NA**	**NA**	**NA**	**NA**	**8**	**8**	**4,059**	**1,598**	**3,835**	**9,492**
1980 Total	**115**	**2,651**	**1,318**	**4,084**	**NA**	**NA**	**NA**	**NA**	**21**	**21**	**4,105**	**1,906**	**4,567**	**10,578**
1985 Total	**137**	**2,488**	**1,083**	**3,708**	**NA**	**NA**	**NA**	**NA**	**24**	**24**	**3,732**	**2,351**	**5,368**	**11,451**
1990 Total	**124**	**2,680**	**991**	**3,795**	**1**	**3**	**(s)**	**–**	**94**	**98**	**3,893**	**2,860**	**6,564**	**13,317**
1995 Total	**117**	**3,096**	**769**	**3,982**	**1**	**5**	**(s)**	**–**	**113**	**119**	**4,100**	**3,252**	**7,337**	**14,690**
2000 Total	**92**	**3,252**	**806**	**4,150**	**1**	**8**	**1**	**–**	**119**	**128**	**4,278**	**3,956**	**8,942**	**17,175**
2001 Total	**97**	**3,097**	**789**	**3,983**	**1**	**8**	**1**	**–**	**92**	**101**	**R 4,084**	**4,062**	**8,990**	**17,137**
2002 Total	**90**	**3,212**	**725**	**4,027**	**(s)**	**9**	**1**	**–**	**95**	**105**	**4,132**	**4,110**	**9,104**	**17,346**
2003 Total	**82**	**3,261**	**841**	**4,184**	**1**	**11**	**1**	**–**	**101**	**114**	**4,298**	**4,090**	**8,958**	**17,346**
2004 Total	**103**	**3,201**	**809**	**4,113**	**1**	**12**	**1**	**–**	**105**	**120**	**4,232**	**4,198**	**9,225**	**17,655**
2005 Total	**97**	**3,073**	**761**	**3,931**	**1**	**14**	**2**	**–**	**105**	**121**	**4,052**	**4,351**	**9,451**	**17,853**
2006 Total	**65**	**2,902**	**661**	**3,627**	**1**	**14**	**2**	**–**	**103**	**120**	**3,747**	**4,435**	**9,525**	**17,707**
2007 Total	**70**	**3,085**	**646**	**3,801**	**1**	**14**	**4**	**–**	**103**	**121**	**3,922**	**4,560**	**9,771**	**18,253**
2008 Total	**81**	**3,228**	**660**	**R 3,969**	**1**	**15**	**6**	**–**	**109**	**130**	**4,100**	**4,559**	**9,743**	**18,402**
2009 Total	**73**	**3,187**	**659**	**3,919**	**1**	**17**	**7**	**(s)**	**112**	**137**	**4,055**	**4,459**	**9,373**	**17,887**
2010 Total	**70**	**3,165**	**646**	**3,881**	**1**	**19**	**11**	**(s)**	**111**	**142**	**4,023**	**4,539**	**9,497**	**18,058**
2011 Total	**62**	**3,216**	**632**	**3,910**	**(s)**	**20**	**19**	**(s)**	**115**	**154**	**4,064**	**4,531**	**9,385**	**17,980**
2012 Total	**44**	**2,960**	**560**	**3,563**	**(s)**	**20**	**32**	**1**	**108**	**161**	**3,723**	**4,528**	**9,168**	**17,420**
2013 Total	**41**	**3,380**	**558**	**3,979**	**(s)**	**20**	**41**	**1**	**120**	**182**	**4,161**	**4,562**	**9,206**	**17,929**
2014 Total	**40**	**3,572**	**577**	**4,190**	**(s)**	**20**	**52**	**1**	**127**	**200**	**4,390**	**4,614**	**9,261**	**18,264**
2015 Total	**31**	**3,316**	**864**	**4,211**	**(s)**	**20**	**57**	**1**	**152**	**230**	**4,441**	**4,643**	**9,073**	**18,157**
2016 January	3	R 522	84	R 609	(s)	2	3	(s)	13	19	627	377	747	1,751
February	3	R 429	82	513	(s)	2	4	(s)	12	18	R 532	353	654	R 1,539
March	3	309	72	384	(s)	2	5	(s)	13	20	R 405	361	673	1,438
April	1	R 242	65	308	(s)	2	6	(s)	13	20	R 329	348	669	R 1,346
May	1	177	65	R 244	(s)	2	6	(s)	13	21	265	370	741	1,376
June	2	143	56	201	(s)	2	6	(s)	13	21	222	411	831	1,464
July	1	R 140	59	200	(s)	2	6	(s)	14	22	222	444	896	1,561
August	1	R 146	55	202	(s)	2	6	(s)	14	22	224	461	884	1,569
September	1	147	61	209	(s)	2	6	(s)	13	20	230	421	770	1,421
October	2	198	70	270	(s)	2	5	(s)	13	20	290	385	722	1,397
November	2	291	71	R 364	(s)	2	4	(s)	13	19	382	358	686	1,427
December	3	R 480	92	R 575	(s)	2	4	(s)	13	19	594	376	768	R 1,738
Total	**24**	**R 3,224**	**832**	**R 4,079**	**2**	**20**	**62**	**1**	**158**	**242**	**R 4,321**	**4,665**	**9,044**	**R 18,030**
2017 January	3	R 497	89	R 588	(s)	2	4	(s)	13	19	R 607	373	741	R 1,721
February	2	R 372	72	R 447	(s)	2	4	(s)	12	18	R 465	340	640	R 1,445
March	2	R 385	75	R 463	(s)	2	6	(s)	13	21	R 484	366	733	R 1,582
April	1	R 219	66	R 287	(s)	2	7	(s)	13	22	R 308	347	677	R 1,333
May	1	R 185	61	R 247	(s)	2	8	(s)	13	23	R 269	375	R 756	R 1,401
June	1	143	64	209	(s)	2	8	(s)	13	23	R 231	407	812	1,450
July	1	R 138	57	R 197	(s)	2	8	(s)	13	23	R 220	438	R 875	1,534
August	1	R 142	60	204	(s)	2	8	(s)	13	23	R 227	437	833	R 1,497
September	1	R 150	58	R 209	(s)	2	7	(s)	12	21	R 230	405	753	R 1,389
October	2	208	65	R 274	(s)	2	6	(s)	13	21	296	386	745	R 1,426
November	2	R 334	77	R 412	(s)	2	5	(s)	13	20	R 432	358	714	R 1,504
December	2	R 504	93	R 600	(s)	2	5	(s)	13	20	R 620	371	764	R 1,755
Total	**21**	**R 3,276**	**839**	**R 4,135**	**2**	**20**	**76**	**1**	**155**	**255**	**R 4,390**	**4,603**	**R 9,044**	**R 18,037**
2018 January	3	R 567	105	675	(s)	2	5	(s)	13	20	R 695	391	R 778	R 1,864
February	2	R 435	77	R 514	(s)	2	6	(s)	12	20	R 534	347	648	R 1,529
March	2	R 428	77	R 507	(s)	2	8	(s)	13	23	530	365	716	1,611
April	1	R 309	71	R 382	(s)	2	9	(s)	13	23	R 405	351	R 682	R 1,439
May	1	R 167	61	R 229	(s)	2	9	(s)	13	25	254	382	R 796	R 1,432
June	1	146	57	204	(s)	2	10	(s)	13	25	228	415	R 832	R 1,475
July	1	140	57	198	(s)	2	10	(s)	13	25	223	446	885	1,555
7-Month Total	**12**	**2,193**	**505**	**2,710**	**2**	**11**	**57**	**1**	**90**	**161**	**2,870**	**2,698**	**5,337**	**10,905**
2017 7-Month Total	**13**	**1,939**	**485**	**2,436**	**2**	**11**	**45**	**1**	**90**	**149**	**2,586**	**2,646**	**5,234**	**10,465**
2016 7-Month Total	**14**	**1,962**	**483**	**2,460**	**1**	**11**	**37**	**1**	**91**	**142**	**2,601**	**2,663**	**5,211**	**10,476**

[a] See "Primary Energy Consumption" in Glossary.
[b] 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 biofuels that have been blended with petroleum—biofuels are included in "Biomass."
[e] Conventional hydroelectric power.
[f] Solar photovoltaic (PV) electricity net generation in the commercial sector, both utility-scale and distributed (small-scale). See Tables 10.2a and 10.5.
[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 1, "Electrical System Energy Losses," at end of section.

R=Revised. NA=Not available. – =No data reported. (s)=Less than 0.5 trillion Btu.

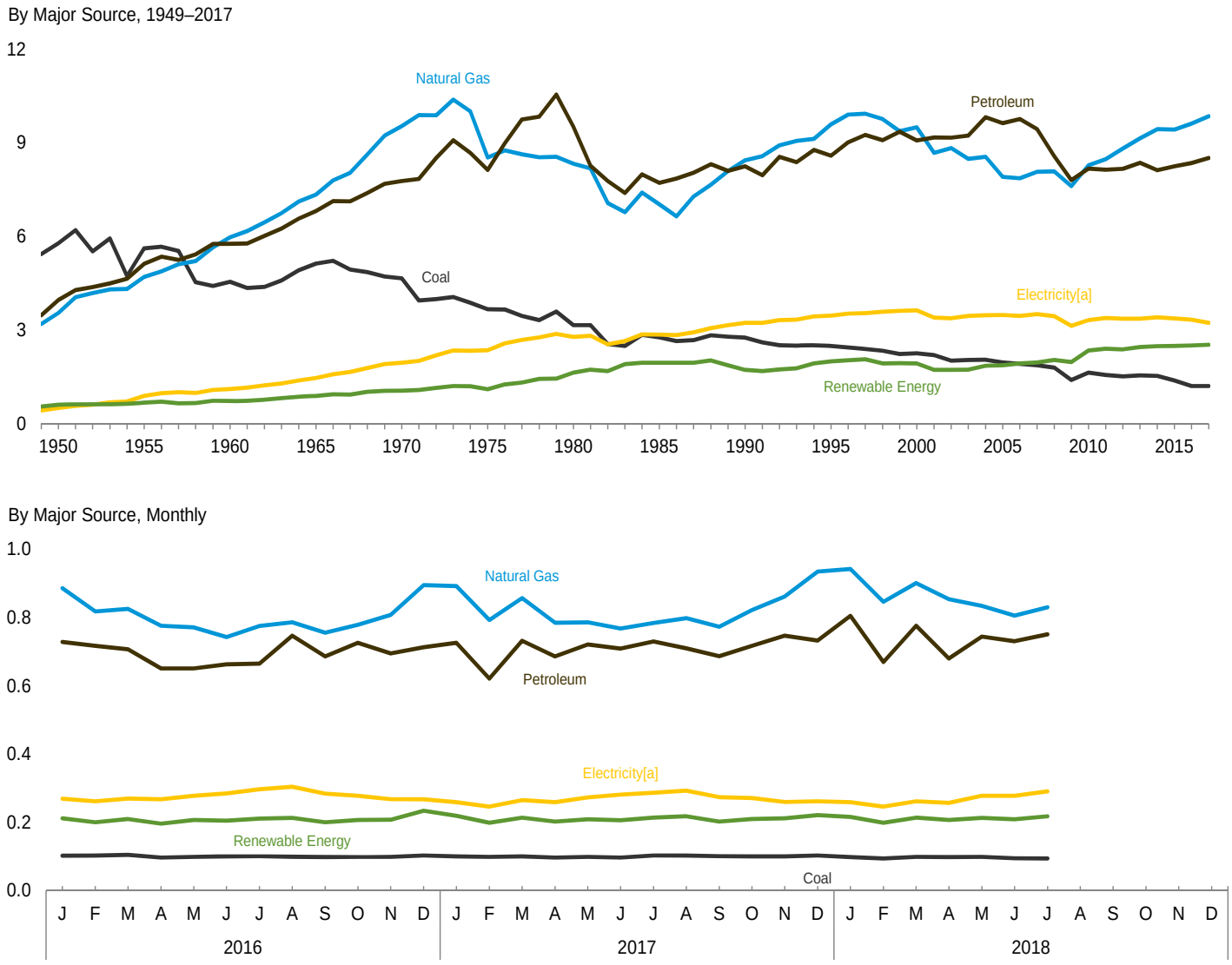
Notes: • Data are estimates, except for coal totals beginning in 2008; hydroelectric power; solar; wind; and electricity retail sales beginning in 1979. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 2, "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.gov/totalenergy/data/monthly/#consumption (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Figure 2.4 Industrial Sector Energy Consumption

(Quadrillion Btu)



[a] Energy retail sales.

Web Page: http://www.eia.gov/totalenergy/data/monthly/#consumption.

Source: Table 2.4.

Table 2.4 Industrial Sector Energy Consumption

(Trillion Btu)

	Primary Consumption[a]													
	Fossil Fuels[b]				Renewable Energy[c]									
	Coal	Natural Gas[d]	Petroleum[e]	Total[f]	Hydroelectric Power[g]	Geothermal	Solar[h]	Wind	Biomass	Total	Total Primary	Electricity Retail Sales[i]	Electrical System Energy Losses[j]	Total[f]
1950 Total	**5,781**	**3,546**	**3,960**	**13,288**	**69**	**NA**	**NA**	**NA**	**532**	**602**	**13,890**	**500**	**1,852**	**16,241**
1955 Total	**5,620**	**4,701**	**5,123**	**15,434**	**38**	**NA**	**NA**	**NA**	**631**	**669**	**16,103**	**887**	**2,495**	**19,485**
1960 Total	**4,543**	**5,973**	**5,766**	**16,277**	**39**	**NA**	**NA**	**NA**	**680**	**719**	**16,996**	**1,107**	**2,739**	**20,842**
1965 Total	**5,127**	**7,339**	**6,813**	**19,260**	**33**	**NA**	**NA**	**NA**	**855**	**888**	**20,148**	**1,463**	**3,487**	**25,098**
1970 Total	**4,656**	**9,536**	**7,776**	**21,911**	**34**	**NA**	**NA**	**NA**	**1,019**	**1,053**	**22,964**	**1,948**	**4,716**	**29,628**
1975 Total	**3,667**	**8,532**	**8,127**	**20,339**	**32**	**NA**	**NA**	**NA**	**1,063**	**1,096**	**21,434**	**2,346**	**5,632**	**29,413**
1980 Total	**3,155**	**8,333**	**9,509**	**20,962**	**33**	**NA**	**NA**	**NA**	**1,600**	**1,633**	**22,595**	**2,781**	**6,664**	**32,039**
1985 Total	**2,760**	**7,032**	**7,714**	**17,492**	**33**	**NA**	**NA**	**NA**	**1,918**	**1,951**	**19,443**	**2,855**	**6,518**	**28,816**
1990 Total	**2,756**	**8,443**	**8,251**	**19,455**	**31**	**2**	**(s)**	**–**	**1,684**	**1,717**	**21,172**	**3,226**	**7,404**	**31,802**
1995 Total	**2,488**	**9,592**	**8,585**	**20,726**	**55**	**3**	**(s)**	**–**	**1,934**	**1,992**	**22,718**	**3,455**	**7,796**	**R 33,969**
2000 Total	**2,256**	**9,500**	**9,073**	**20,895**	**42**	**4**	**(s)**	**–**	**1,881**	**1,928**	**22,823**	**3,631**	**8,208**	**34,662**
2001 Total	**2,192**	**8,676**	**R 9,176**	**R 20,073**	**33**	**5**	**(s)**	**–**	**1,681**	**1,719**	**R 21,792**	**3,400**	**7,526**	**R 32,718**
2002 Total	**2,019**	**8,832**	**R 9,166**	**20,078**	**39**	**5**	**(s)**	**–**	**1,676**	**1,720**	**R 21,797**	**3,379**	**7,484**	**R 32,660**
2003 Total	**2,041**	**8,488**	**R 9,228**	**19,809**	**43**	**3**	**(s)**	**–**	**1,678**	**1,725**	**R 21,533**	**3,454**	**7,565**	**32,553**
2004 Total	**2,047**	**8,550**	**9,825**	**20,560**	**33**	**4**	**(s)**	**–**	**1,815**	**1,852**	**22,411**	**3,473**	**7,631**	**R 33,515**
2005 Total	**1,954**	**7,907**	**9,634**	**R 19,539**	**32**	**4**	**(s)**	**–**	**1,834**	**1,871**	**21,410**	**3,477**	**7,554**	**R 32,441**
2006 Total	**1,914**	**7,861**	**9,767**	**19,603**	**29**	**4**	**1**	**–**	**1,892**	**1,926**	**21,529**	**3,451**	**7,411**	**R 32,390**
2007 Total	**1,865**	**8,074**	**R 9,441**	**R 19,404**	**16**	**5**	**1**	**–**	**1,937**	**1,958**	**R 21,362**	**3,507**	**7,515**	**R 32,384**
2008 Total	**1,793**	**8,083**	**R 8,575**	**R 18,492**	**17**	**5**	**1**	**–**	**2,012**	**2,035**	**R 20,527**	**3,444**	**7,362**	**R 31,333**
2009 Total	**1,392**	**7,609**	**R 7,805**	**R 16,783**	**18**	**4**	**2**	**–**	**1,948**	**1,972**	**R 18,755**	**3,130**	**6,580**	**R 28,465**
2010 Total	**1,631**	**8,278**	**R 8,174**	**18,078**	**16**	**4**	**3**	**–**	**2,320**	**2,343**	**20,421**	**3,314**	**6,934**	**30,669**
2011 Total	**1,561**	**8,481**	**8,138**	**R 18,190**	**17**	**4**	**4**	**(s)**	**2,375**	**2,401**	**20,591**	**3,382**	**7,005**	**30,979**
2012 Total	**1,513**	**8,819**	**8,166**	**R 18,501**	**22**	**4**	**7**	**(s)**	**2,349**	**2,382**	**20,884**	**3,363**	**6,810**	**31,057**
2013 Total	**1,546**	**9,140**	**8,360**	**19,029**	**33**	**4**	**9**	**(s)**	**2,403**	**2,449**	**21,478**	**3,362**	**6,785**	**31,625**
2014 Total	**1,530**	**9,441**	**8,126**	**19,076**	**12**	**4**	**11**	**1**	**2,456**	**2,484**	**21,560**	**3,404**	**6,832**	**31,796**
2015 Total	**1,380**	**9,426**	**8,246**	**19,034**	**13**	**4**	**14**	**(s)**	**2,460**	**2,491**	**21,525**	**3,366**	**6,578**	**31,469**
2016 January	102	R 886	729	R 1,716	1	(s)	1	(s)	209	212	R 1,928	269	534	R 2,731
February	103	R 818	717	R 1,638	1	(s)	1	(s)	197	200	R 1,837	262	485	R 2,584
March	105	R 825	707	R 1,637	1	(s)	2	(s)	206	210	R 1,847	270	504	R 2,621
April	97	R 776	651	R 1,524	1	(s)	2	(s)	193	196	R 1,720	268	516	R 2,504
May	99	R 771	651	R 1,520	1	(s)	2	(s)	204	207	R 1,727	278	557	R 2,562
June	100	R 743	663	R 1,505	1	(s)	2	(s)	202	205	R 1,710	285	578	R 2,573
July	101	R 775	665	R 1,539	1	(s)	2	(s)	208	211	R 1,751	297	600	R 2,648
August	99	R 786	747	R 1,629	1	(s)	2	(s)	209	213	R 1,841	304	583	R 2,729
September	98	R 756	686	R 1,538	1	(s)	2	(s)	197	200	R 1,737	284	519	R 2,540
October	99	R 779	726	R 1,602	1	(s)	2	(s)	204	207	R 1,808	278	522	R 2,608
November	99	R 808	695	R 1,598	1	(s)	1	(s)	206	208	R 1,806	268	512	R 2,586
December	103	R 895	713	R 1,708	1	(s)	1	(s)	231	234	R 1,942	268	548	R 2,758
Total	**1,205**	**R 9,617**	**8,350**	**R 19,154**	**12**	**4**	**19**	**1**	**2,467**	**2,503**	**R 21,657**	**3,333**	**6,461**	**R 31,450**
2017 January	100	R 892	726	R 1,715	1	(s)	1	(s)	216	219	R 1,933	259	513	R 2,705
February	99	793	621	1,511	1	(s)	1	(s)	197	199	1,710	246	462	2,418
March	100	R 857	732	R 1,687	1	(s)	2	(s)	210	214	R 1,901	265	531	R 2,696
April	97	R 785	686	R 1,567	1	(s)	2	(s)	198	202	R 1,769	259	505	R 2,533
May	99	R 786	721	R 1,604	1	(s)	2	(s)	205	209	R 1,813	273	R 551	R 2,638
June	97	R 768	709	R 1,571	1	(s)	2	(s)	202	206	R 1,777	281	R 559	R 2,617
July	103	R 784	730	R 1,615	1	(s)	3	(s)	210	214	R 1,829	287	575	R 2,691
August	103	R 798	710	R 1,608	1	(s)	2	(s)	214	218	R 1,826	293	558	R 2,678
September	101	R 773	687	R 1,559	1	(s)	2	(s)	198	202	R 1,760	274	508	R 2,543
October	100	822	717	1,635	1	(s)	2	(s)	207	210	1,845	271	R 523	2,640
November	100	R 862	747	R 1,705	1	(s)	2	(s)	209	212	1,917	260	518	R 2,696
December	103	935	733	1,767	1	(s)	1	(s)	218	221	1,988	262	539	2,789
Total	**1,201**	**R 9,853**	**R 8,518**	**R 19,544**	**13**	**4**	**24**	**1**	**2,485**	**2,527**	**R 22,071**	**3,229**	**R 6,344**	**R 31,645**
2018 January	98	R 942	805	R 1,841	1	(s)	2	(s)	213	216	R 2,057	259	516	R 2,832
February	94	R 846	670	R 1,608	1	(s)	2	(s)	196	199	R 1,807	246	R 458	R 2,511
March	99	R 901	776	R 1,773	1	(s)	2	(s)	210	214	R 1,987	262	514	R 2,763
April	R 98	R 854	680	R 1,630	1	(s)	2	(s)	203	207	R 1,837	257	R 499	R 2,594
May	R 99	R 834	744	R 1,675	1	(s)	3	(s)	209	213	R 1,889	278	579	R 2,745
June	R 95	R 806	731	R 1,631	1	(s)	3	(s)	205	209	R 1,840	278	558	R 2,676
July	94	830	751	1,673	1	(s)	3	(s)	214	218	1,891	291	577	2,759
7-Month Total	**677**	**6,012**	**5,157**	**11,830**	**8**	**2**	**16**	**1**	**1,450**	**1,477**	**13,307**	**1,871**	**3,700**	**18,878**
2017 7-Month Total	**694**	**5,664**	**4,924**	**11,270**	**8**	**2**	**14**	**(s)**	**1,438**	**1,462**	**12,733**	**1,869**	**3,697**	**18,298**
2016 7-Month Total	**707**	**5,594**	**4,783**	**11,079**	**8**	**2**	**11**	**(s)**	**1,420**	**1,442**	**12,520**	**1,930**	**3,773**	**18,224**

[a] See "Primary Energy Consumption" in Glossary.
[b] Includes non-combustion use of fossil fuels.
[c] See Table 10.2b for notes on series components and estimation.
[d] Natural gas only; excludes the estimated portion of supplemental gaseous fuels. See Note 3, "Supplemental Gaseous Fuels," at end of Section 4.
[e] Does not include biofuels that have been blended with petroleum—biofuels are included in "Biomass."
[f] Includes coal coke net imports, which are not separately displayed. See Tables 1.4a and 1.4b.
[g] Conventional hydroelectric power.
[h] Solar photovoltaic (PV) electricity net generation in the industrial sector, both utility-scale and distributed (small-scale). See Tables 10.2b and 10.5.
[i] Electricity retail sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
[j] 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 1, "Electrical System Energy Losses," at end of section.

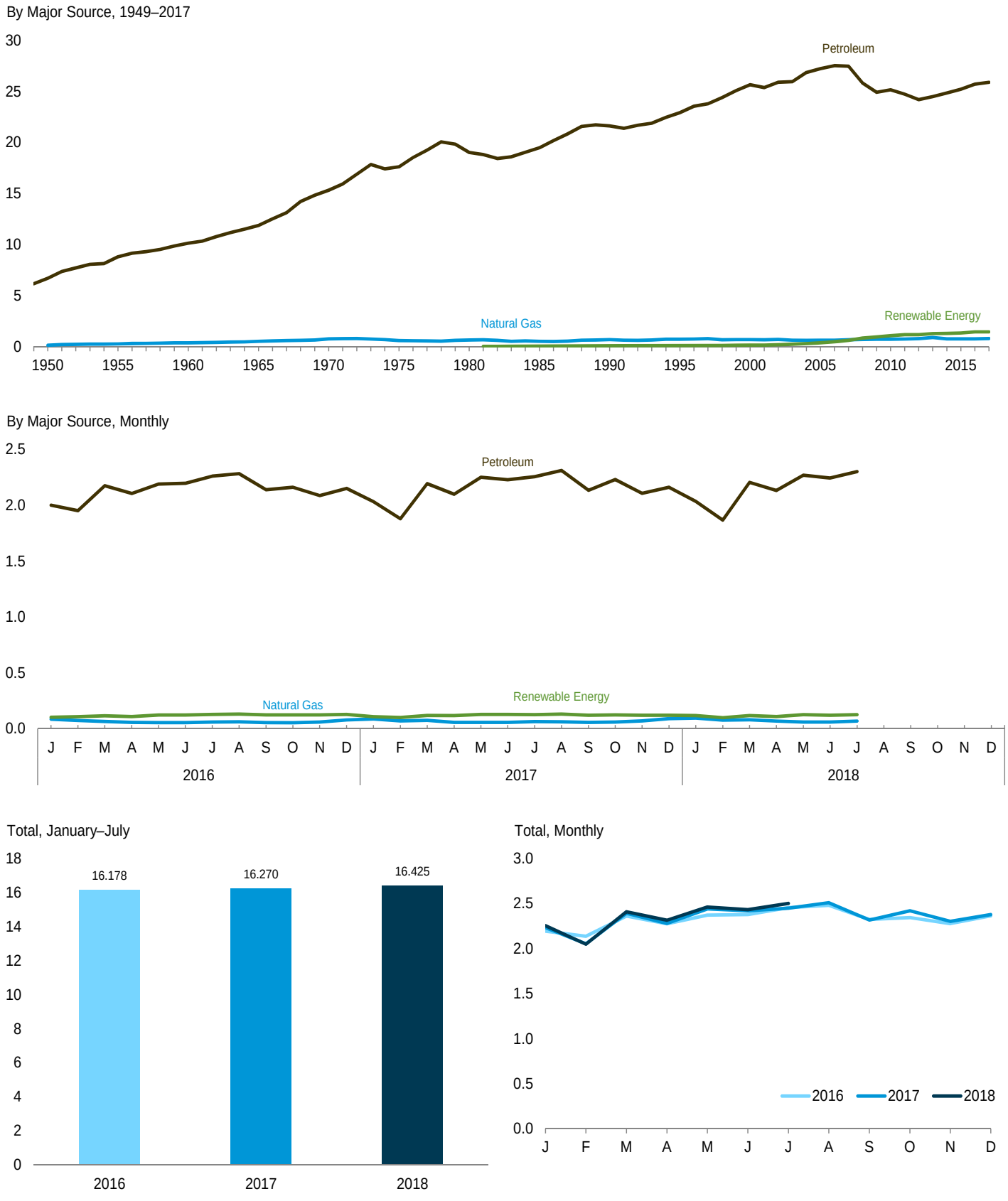
R=Revised. NA=Not available. – =No data reported. (s)=Less than 0.5 trillion Btu.

Notes: • Data are estimates, except for coal totals; hydroelectric power in 1949–1978 and 1989 forward; solar; wind; and electricity retail sales. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 2, "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.gov/totalenergy/data/monthly/#consumption (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Figure 2.5 Transportation Sector Energy Consumption
(Quadrillion Btu)



Web Page: http://www.eia.gov/totalenergy/data/monthly/#consumption.
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]				
	Coal	Natural Gas[c]	Petroleum[d]	Total	Biomass	Total Primary			
1950 Total	1,564	130	6,690	8,383	NA	8,383	23	86	8,492
1955 Total	421	254	8,799	9,474	NA	9,474	20	56	9,550
1960 Total	75	359	10,125	10,560	NA	10,560	10	26	10,596
1965 Total	16	517	11,866	12,399	NA	12,399	10	24	12,432
1970 Total	7	745	15,310	16,062	NA	16,062	11	26	16,098
1975 Total	1	595	17,615	18,210	NA	18,210	10	24	18,245
1980 Total	(g)	650	19,009	19,659	NA	19,659	11	27	19,697
1985 Total	(g)	519	19,472	19,992	50	20,041	14	32	20,088
1990 Total	(g)	679	21,626	22,305	60	22,366	16	37	22,419
1995 Total	(g)	724	R 22,920	R 23,644	112	R 23,757	17	38	R 23,812
2000 Total	(g)	672	R 25,649	R 26,321	135	R 26,456	18	42	R 26,516
2001 Total	(g)	658	R 25,379	R 26,037	142	R 26,179	20	43	R 26,242
2002 Total	(g)	699	R 25,879	R 26,578	170	R 26,747	19	42	R 26,808
2003 Total	(g)	627	R 25,950	R 26,577	230	R 26,807	23	51	R 26,881
2004 Total	(g)	602	R 26,856	R 27,458	290	R 27,748	25	54	R 27,827
2005 Total	(g)	624	R 27,217	R 27,840	339	R 28,180	26	56	R 28,261
2006 Total	(g)	625	R 27,518	R 28,143	475	R 28,618	25	54	R 28,697
2007 Total	(g)	663	R 27,462	R 28,126	602	R 28,728	28	60	R 28,815
2008 Total	(g)	692	R 25,823	R 26,515	825	R 27,340	26	56	R 27,422
2009 Total	(g)	715	R 24,916	R 25,631	935	R 26,566	27	56	R 26,648
2010 Total	(g)	719	R 25,142	R 25,861	1,075	R 26,935	26	55	R 27,017
2011 Total	(g)	734	R 24,715	R 25,448	1,158	R 26,606	26	54	R 26,687
2012 Total	(g)	780	R 24,184	R 24,964	1,162	R 26,126	25	51	R 26,202
2013 Total	(g)	887	R 24,478	R 25,365	1,278	R 26,643	26	53	R 26,721
2014 Total	(g)	760	R 24,837	R 25,597	1,292	R 26,889	26	53	R 26,969
2015 Total	(g)	745	R 25,203	R 25,948	1,326	R 27,274	26	51	R 27,351
2016 January	(g)	R 85	R 2,001	R 2,086	102	R 2,188	2	4	R 2,194
February	(g)	R 73	R 1,951	R 2,024	107	R 2,131	2	4	R 2,138
March	(g)	R 65	R 2,175	R 2,240	116	R 2,356	2	4	R 2,362
April	(g)	R 57	R 2,105	R 2,162	108	R 2,270	2	4	R 2,276
May	(g)	R 54	R 2,190	R 2,245	122	R 2,367	2	4	R 2,373
June	(g)	R 55	R 2,196	R 2,251	122	R 2,373	2	4	R 2,379
July	(g)	R 60	R 2,261	R 2,321	128	R 2,449	2	4	R 2,456
August	(g)	R 61	R 2,283	R 2,344	131	R 2,475	2	4	R 2,481
September	(g)	R 54	R 2,139	R 2,193	124	R 2,317	2	4	R 2,324
October	(g)	R 53	R 2,161	R 2,214	123	R 2,338	2	4	R 2,344
November	(g)	R 60	R 2,087	R 2,147	124	R 2,271	2	4	R 2,277
December	(g)	R 79	R 2,151	R 2,230	127	R 2,357	2	5	R 2,363
Total	(g)	R 757	R 25,700	R 26,457	1,434	R 27,891	26	50	R 27,967
2017 January	(g)	R 86	R 2,033	R 2,119	107	R 2,226	2	5	R 2,233
February	(g)	R 69	R 1,879	R 1,948	100	R 2,048	2	4	R 2,054
March	(g)	R 75	R 2,194	R 2,269	118	R 2,386	2	4	R 2,393
April	(g)	R 57	R 2,099	R 2,156	117	R 2,273	2	4	R 2,279
May	(g)	R 56	R 2,251	R 2,307	128	R 2,436	2	4	R 2,442
June	(g)	R 56	R 2,229	R 2,285	128	R 2,413	2	4	R 2,420
July	(g)	R 63	R 2,256	R 2,318	125	R 2,443	2	4	R 2,450
August	(g)	R 62	R 2,312	R 2,374	130	R 2,504	2	4	R 2,510
September	(g)	R 57	R 2,135	R 2,192	120	R 2,312	2	4	R 2,318
October	(g)	R 60	R 2,230	R 2,290	123	R 2,414	2	4	R 2,420
November	(g)	R 69	R 2,108	R 2,177	120	R 2,296	2	4	R 2,302
December	(g)	R 90	R 2,161	R 2,251	121	R 2,371	2	5	R 2,378
Total	(g)	R 799	R 25,887	R 26,687	1,436	R 28,123	26	50	R 28,199
2018 January	(g)	R 95	R 2,035	R 2,131	117	R 2,247	3	5	R 2,255
February	(g)	R 77	R 1,868	R 1,945	98	R 2,042	2	4	R 2,049
March	(g)	R 80	R 2,206	R 2,286	117	R 2,404	2	4	R 2,410
April	(g)	R 68	R 2,132	R 2,200	109	R 2,310	2	4	R 2,316
May	(g)	R 60	R 2,270	R 2,330	126	R 2,456	2	4	R 2,463
June	(g)	R 60	R 2,244	R 2,304	121	R 2,425	2	4	R 2,432
July	(g)	68	2,302	2,370	125	2,495	2	4	2,502
7-Month Total	(g)	510	15,057	15,567	813	16,380	15	30	16,425
2017 7-Month Total	(g)	462	14,942	15,403	822	16,225	15	30	16,270
2016 7-Month Total	(g)	450	14,879	15,329	805	16,134	15	29	16,178

[a] See "Primary Energy Consumption" in Glossary.
[b] 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. Data are for natural gas consumed in the operation of pipelines (primarily in compressors) and small amounts consumed as vehicle fuel—see Table 4.3.
[d] Does not include biofuels that have been blended with petroleum—biofuels are included in "Biomass." Includes non-combustion use of lubricants.
[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 1, "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.

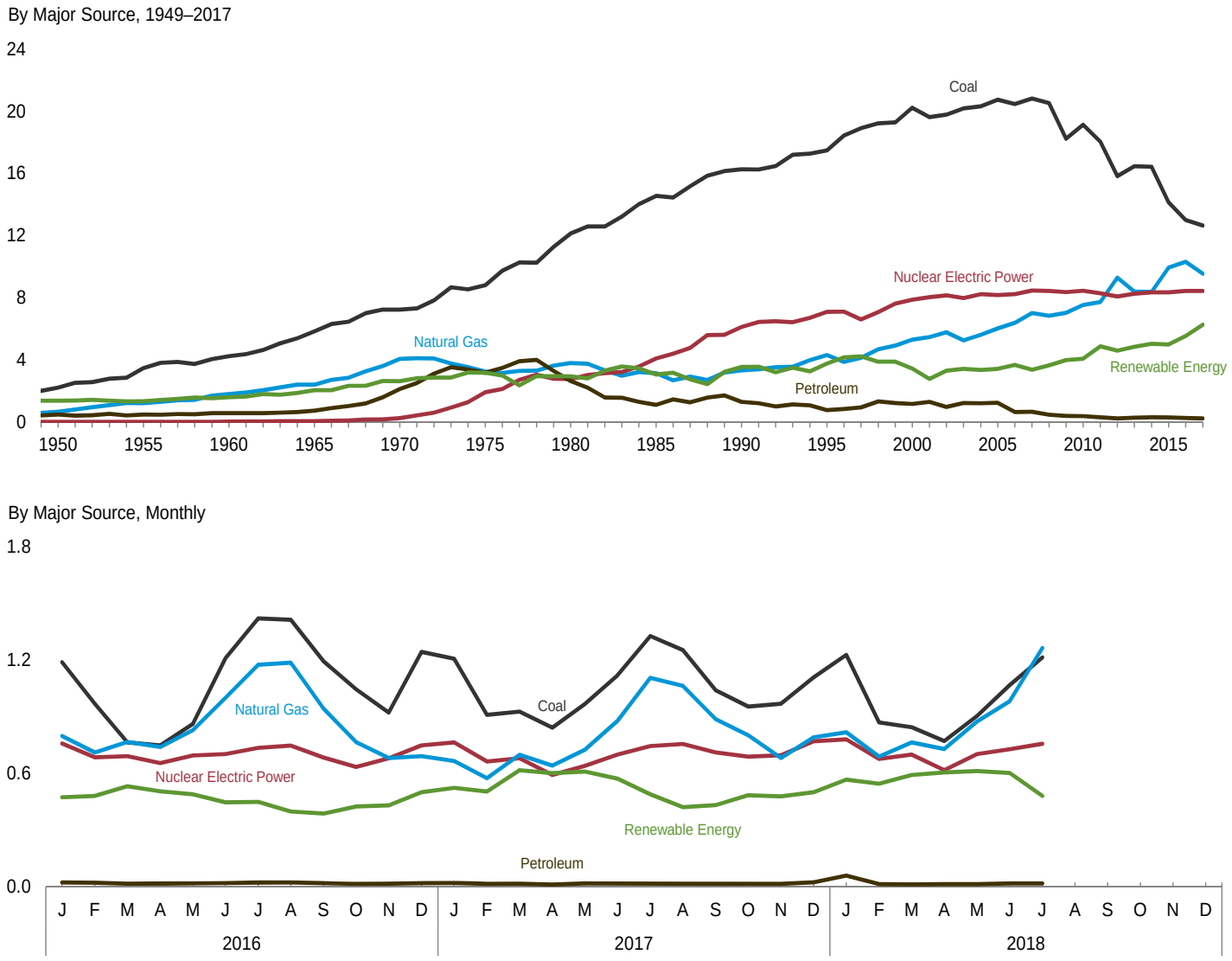
Notes: • Data are estimates, except for coal totals through 1977; and electricity retail sales beginning in 1979. • See Note 2, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/#consumption (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Figure 2.6 Electric Power Sector Energy Consumption

(Quadrillion Btu)



Web Page: http://www.eia.gov/totalenergy/data/monthly/#consumption.
Source: Table 2.6.

Table 2.6 Electric Power Sector Energy Consumption

(Trillion Btu)

	Primary Consumption[a]												
	Fossil Fuels					Renewable Energy[b]							
	Coal	Natural Gas[c]	Petro-leum	Total	Nuclear Electric Power	Hydro-electric Power[d]	Geo-thermal	Solar[e]	Wind	Bio-mass	Total	Elec-tricity Net Imports[f]	Total Primary
1950 Total	**2,199**	**651**	**472**	**3,322**	**0**	**1,346**	**NA**	**NA**	**NA**	**5**	**1,351**	**6**	**4,679**
1955 Total	**3,458**	**1,194**	**471**	**5,123**	**0**	**1,322**	**NA**	**NA**	**NA**	**3**	**1,325**	**14**	**6,461**
1960 Total	**4,228**	**1,785**	**553**	**6,565**	**6**	**1,569**	**(s)**	**NA**	**NA**	**2**	**1,571**	**15**	**8,158**
1965 Total	**5,821**	**2,395**	**722**	**8,938**	**43**	**2,026**	**2**	**NA**	**NA**	**3**	**2,031**	**(s)**	**11,012**
1970 Total	**7,227**	**4,054**	**2,117**	**13,399**	**239**	**2,600**	**6**	**NA**	**NA**	**4**	**2,609**	**7**	**16,253**
1975 Total	**8,786**	**3,240**	**3,166**	**15,191**	**1,900**	**3,122**	**34**	**NA**	**NA**	**2**	**3,158**	**21**	**20,270**
1980 Total	**12,123**	**3,778**	**2,634**	**18,534**	**2,739**	**2,867**	**53**	**NA**	**NA**	**4**	**2,925**	**71**	**24,269**
1985 Total	**14,542**	**3,135**	**1,090**	**18,767**	**4,076**	**2,937**	**97**	**(s)**	**(s)**	**14**	**3,049**	**140**	**26,032**
1990 Total[g]	**16,261**	**3,309**	**1,289**	**20,859**	**6,104**	**3,014**	**161**	**4**	**29**	**317**	**3,524**	**8**	**30,495**
1995 Total	**17,466**	**4,302**	**755**	**22,523**	**7,075**	**3,149**	**138**	**5**	**33**	**422**	**3,747**	**134**	**33,479**
2000 Total	**20,220**	**5,293**	**1,144**	**26,658**	**7,862**	**2,768**	**144**	**5**	**57**	**453**	**3,427**	**115**	**38,062**
2001 Total	**19,614**	**5,458**	**1,276**	**26,348**	**8,029**	**2,209**	**142**	**6**	**70**	**337**	**2,763**	**75**	**37,215**
2002 Total	**19,783**	**5,767**	**961**	**26,511**	**8,145**	**2,650**	**147**	**6**	**105**	**380**	**3,288**	**72**	**38,016**
2003 Total	**20,185**	**5,246**	**1,205**	**26,636**	**7,960**	**2,749**	**146**	**5**	**113**	**397**	**3,411**	**22**	**38,028**
2004 Total	**20,305**	**5,595**	**1,201**	**27,101**	**8,223**	**2,655**	**148**	**6**	**142**	**388**	**3,339**	**39**	**38,701**
2005 Total	**20,737**	**6,015**	**1,222**	**27,974**	**8,161**	**2,670**	**147**	**6**	**178**	**406**	**3,406**	**85**	**39,626**
2006 Total	**20,462**	**6,375**	**637**	**27,474**	**8,215**	**2,839**	**145**	**5**	**264**	**412**	**3,665**	**63**	**39,417**
2007 Total	**20,808**	**7,005**	**648**	**28,461**	**8,459**	**2,430**	**145**	**6**	**341**	**423**	**3,345**	**107**	**40,371**
2008 Total	**20,513**	**6,829**	**459**	**27,801**	**8,426**	**2,494**	**146**	**9**	**546**	**435**	**3,630**	**112**	**39,969**
2009 Total	**18,225**	**7,022**	**382**	**25,630**	**8,355**	**2,650**	**146**	**9**	**721**	**441**	**3,967**	**116**	**38,069**
2010 Total	**19,133**	**7,528**	**370**	**27,031**	**8,434**	**2,521**	**148**	**12**	**923**	**459**	**4,064**	**89**	**39,619**
2011 Total	**18,035**	**7,712**	**295**	**26,042**	**8,269**	**3,085**	**149**	**17**	**1,167**	**437**	**4,855**	**127**	**39,293**
2012 Total	**15,821**	**9,287**	**214**	**25,322**	**8,062**	**2,606**	**148**	**40**	**1,339**	**453**	**4,586**	**161**	**38,131**
2013 Total	**16,451**	**8,376**	**255**	**25,082**	**8,244**	**2,529**	**151**	**83**	**1,600**	**470**	**4,833**	**197**	**38,357**
2014 Total	**16,427**	**8,362**	**295**	**25,085**	**8,338**	**2,454**	**151**	**165**	**1,726**	**530**	**5,026**	**182**	**38,629**
2015 Total	**14,138**	**9,926**	**276**	**24,341**	**8,337**	**2,308**	**148**	**228**	**1,776**	**525**	**4,985**	**227**	**37,890**
2016 January	1,190	799	23	2,012	759	235	12	13	170	44	475	21	3,267
February	970	712	22	1,704	687	222	11	20	186	43	482	17	2,889
March	765	768	18	1,552	692	251	12	24	202	43	533	18	2,794
April	750	741	19	1,510	656	238	11	26	192	39	506	15	2,687
May	863	830	19	1,712	696	234	12	31	174	40	491	18	2,918
June	1,211	1,001	20	2,232	703	213	12	32	150	41	448	21	3,404
July	1,422	1,176	24	2,622	736	197	12	36	163	44	451	24	3,833
August	1,415	1,188	24	2,627	748	180	12	36	125	45	399	23	3,797
September	1,195	944	20	2,158	685	150	12	33	151	41	388	16	3,247
October	1,046	767	16	1,830	635	159	12	29	188	37	426	18	2,909
November	923	683	18	1,623	682	173	13	25	179	42	432	20	2,757
December	1,245	692	20	1,958	750	207	13	22	213	46	501	17	3,225
Total	**12,996**	**10,301**	**244**	**23,542**	**8,427**	**2,459**	**146**	**328**	**2,094**	**505**	**5,531**	**227**	**37,727**
2017 January	1,208	R 667	21	1,897	765	256	13	20	191	45	525	22	R 3,208
February	912	576	16	1,504	665	225	11	23	205	41	505	17	2,691
March	928	700	17	1,645	681	278	13	40	241	46	618	17	2,961
April	843	643	13	1,498	593	269	13	44	238	40	603	15	R 2,709
May	968	R 727	19	R 1,714	641	296	12	53	209	42	611	15	R 2,981
June	1,121	880	19	2,020	701	279	12	57	182	44	573	18	3,312
July	1,329	1,107	18	2,454	746	236	13	50	145	46	490	18	3,708
August	1,254	1,065	17	2,336	757	195	13	49	121	46	423	20	3,536
September	1,042	888	17	1,946	712	174	12	47	159	41	433	15	3,107
October	955	R 803	16	1,774	690	158	12	44	229	43	486	11	R 2,961
November	970	683	16	1,669	697	182	12	28	215	43	480	11	2,856
December	1,110	792	25	R 1,927	771	207	13	28	210	45	502	14	3,214
Total	**12,640**	**R 9,530**	**214**	**R 22,384**	**8,419**	**2,755**	**147**	**483**	**2,345**	**519**	**6,249**	**192**	**R 37,245**
2018 January	1,229	R 819	60	2,109	781	233	13	30	248	45	569	R 14	R 3,472
February	871	R 690	15	1,577	678	235	12	37	221	42	546	R 12	R 2,813
March	846	R 765	14	R 1,625	701	238	13	47	252	44	593	15	2,934
April	773	730	15	1,518	618	254	11	56	247	39	606	R 10	R 2,751
May	905	R 876	15	1,796	704	278	13	65	216	42	614	R 14	R 3,128
June	1,068	R 983	19	R 2,069	729	252	12	71	225	43	604	R 15	R 3,416
July	1,215	1,266	19	2,500	758	218	13	63	147	42	482	19	3,759
7-Month Total	**6,907**	**6,131**	**156**	**13,194**	**4,968**	**1,707**	**87**	**368**	**1,554**	**297**	**4,013**	**98**	**22,274**
2017 7-Month Total	**7,310**	**5,299**	**123**	**12,732**	**4,792**	**1,839**	**86**	**286**	**1,411**	**302**	**3,925**	**122**	**21,570**
2016 7-Month Total	**7,172**	**6,027**	**146**	**13,345**	**4,928**	**1,590**	**83**	**182**	**1,237**	**293**	**3,386**	**133**	**21,791**

[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] Solar photovoltaic (PV) and solar thermal electricity net generation in the electric power sector. See Tables 10.2c and 10.5.
[f] Net imports equal imports minus exports.
[g] 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 2, "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.gov/totalenergy/data/monthly/#consumption (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Table 2.7 U.S. Government Energy Consumption by Agency, Fiscal Years

(Trillion Btu)

Fiscal Year[a]	Agri-culture	Defense	Energy	GSA[b]	HHS[c]	Interior	Justice	NASA[d]	Postal Service	Trans-portation	Veterans Affairs	Other[e]	Total
1975	9.5	1,360.2	50.4	22.3	6.5	9.4	5.9	13.4	30.5	19.3	27.1	10.5	1,565.0
1976	9.3	1,183.3	50.3	20.6	6.7	9.4	5.7	12.4	30.0	19.5	25.0	11.2	1,383.4
1977	8.9	1,192.3	51.6	20.4	6.9	9.5	5.9	12.0	32.7	20.4	25.9	11.9	1,398.5
1978	9.1	1,157.8	50.1	20.4	6.5	9.2	5.9	11.2	30.9	20.6	26.8	12.4	1,360.9
1979	9.2	1,175.8	49.6	19.6	6.4	10.4	6.4	11.1	29.3	19.6	25.7	12.3	1,375.4
1980	8.6	1,183.1	47.4	18.1	6.0	8.5	5.7	10.4	27.2	19.2	24.8	12.3	1,371.2
1981	7.9	1,239.5	47.3	18.0	6.7	7.6	5.4	10.0	27.9	18.8	24.0	11.1	1,424.2
1982	7.6	1,264.5	49.0	18.1	6.4	7.4	5.8	10.1	27.5	19.1	24.2	11.6	1,451.4
1983	7.4	1,248.3	49.5	16.1	6.2	7.7	5.5	10.3	26.5	19.4	24.1	10.8	1,431.8
1984	7.9	1,292.1	51.6	16.2	6.4	8.4	6.4	10.6	27.7	19.8	24.6	10.7	1,482.5
1985	8.4	1,250.6	52.2	20.7	6.0	7.8	8.2	10.9	27.8	19.6	25.1	13.1	1,450.3
1986	6.8	1,222.8	46.9	14.0	6.2	6.9	8.6	11.2	28.0	19.4	25.0	10.8	1,406.7
1987	7.3	1,280.5	48.5	13.1	6.6	6.6	8.1	11.3	28.5	19.0	24.9	11.9	1,466.3
1988	7.8	1,165.8	49.9	12.4	6.4	7.0	9.4	11.3	29.6	18.7	26.3	15.8	1,360.3
1989	8.7	1,274.4	44.2	12.7	6.7	7.1	7.7	12.4	30.3	18.5	26.2	15.6	1,464.7
1990	9.6	1,241.7	43.5	17.5	7.1	7.4	7.0	12.4	30.6	19.0	24.9	17.5	1,438.0
1991	9.6	1,269.3	42.1	14.0	6.2	7.1	8.0	12.5	30.8	19.0	25.1	18.1	1,461.7
1992	9.1	1,104.0	44.3	13.8	6.8	7.0	7.5	12.6	31.7	17.0	25.3	15.7	1,294.8
1993	9.3	1,048.8	43.4	14.1	7.2	7.5	9.1	12.4	33.7	19.4	25.7	16.2	1,246.8
1994	9.4	977.0	42.1	14.0	7.5	7.9	10.3	12.6	35.0	19.8	25.6	17.1	1,178.2
1995	9.0	926.0	47.3	13.7	6.1	6.4	10.2	12.4	36.2	18.7	25.4	17.1	1,128.5
1996	9.1	904.5	44.6	14.5	6.6	4.3	12.1	11.5	36.4	19.6	26.8	17.7	1,107.7
1997	7.4	880.0	43.1	14.4	7.9	6.6	12.0	12.0	40.8	19.1	27.3	20.8	1,091.2
1998	7.9	837.1	31.5	14.1	7.4	6.4	15.8	11.7	39.5	18.5	27.6	19.5	1,037.1
1999	7.8	810.7	27.0	14.4	7.1	7.5	15.4	11.4	39.8	22.6	27.5	19.8	1,010.9
2000	7.4	779.1	30.5	17.6	8.0	7.8	19.7	11.1	43.3	21.2	27.0	20.3	993.1
2001	7.4	787.2	31.1	18.4	8.5	9.5	19.7	10.9	43.4	17.8	27.7	20.7	1,002.3
2002	7.2	837.5	30.7	17.5	8.0	8.2	17.7	10.7	41.6	18.3	27.7	18.4	1,043.4
2003	7.7	895.1	31.9	18.5	10.1	7.3	22.7	10.8	50.9	5.5	30.6	41.0	1,132.3
2004	7.0	960.7	31.4	18.3	8.8	8.7	17.5	9.9	50.5	5.2	29.9	44.0	1,191.7
2005	7.5	933.2	29.6	18.4	9.6	8.6	18.8	10.3	53.5	5.0	30.0	42.1	1,166.4
2006	6.8	843.7	32.9	18.2	9.3	8.1	23.5	10.2	51.8	4.6	29.3	38.1	1,076.4
2007	6.8	864.6	31.5	19.1	9.9	7.5	20.7	10.6	45.8	5.6	30.0	38.1	1,090.2
2008	6.5	910.8	32.1	18.8	10.3	7.1	19.0	10.8	47.1	7.7	29.0	44.1	1,143.2
2009	6.6	874.3	31.1	18.6	10.8	7.9	16.5	10.2	44.2	4.3	29.9	40.4	1,094.8
2010	6.8	889.9	31.7	18.8	10.4	7.3	15.7	10.1	43.3	5.7	30.2	42.9	1,112.7
2011	8.3	890.3	33.1	18.5	10.5	7.3	13.9	10.1	43.0	6.7	30.6	41.7	1,114.1
2012	6.7	828.5	30.3	16.3	10.0	6.7	15.1	8.9	40.8	5.6	29.7	40.6	1,039.3
2013	7.3	749.5	28.9	16.4	10.5	6.2	15.3	8.7	41.9	5.3	29.9	39.3	959.3
2014	6.3	730.6	29.4	17.0	9.5	6.2	15.6	8.3	43.0	5.2	31.4	39.0	941.5
2015	6.2	734.5	30.1	[R] 16.3	9.0	6.8	16.2	8.4	44.0	6.0	30.7	[R] 37.6	[R] 945.8
2016	6.2	709.2	28.9	15.8	8.7	6.4	15.6	8.5	43.9	6.0	30.3	37.6	917.2
2017	6.3	707.9	28.8	14.9	8.8	5.9	15.5	8.6	43.7	6.7	29.1	38.9	915.1

[a] For 1975 and 1976, the U.S. Government's fiscal year was July 1 through June 30. Beginning in 1977, the U.S. Government's fiscal year is October 1 through September 30 (for example, fiscal year 2014 is October 2013 through September 2014).

[b] General Services Administration.

[c] Health and Human Services.

[d] National Aeronautics and Space Administration.

[e] Includes all U.S. government agencies not separately displayed. See http://ctsedwweb.ee.doe.gov/Annual/Report/AgencyReference.aspx for agency list.

R=Revised.

Notes: • Data in this table are developed using conversion factors that often differ from those in Tables A1–A6. • Data include energy consumed at foreign installations and in foreign operations, including aviation and ocean bunkering, primarily by the U.S. Department of Defense. U.S. Government energy use for electricity generation and uranium enrichment is excluded. • Totals may not equal sum of components due to independent rounding.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/#consumption (Excel and CSV files) for all annual data beginning in 1975.

Source: U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Federal Energy Management Program. See http://ctsedwweb.ee.doe.gov/Annual/Report/Report.aspx, "A-1 Total Site-Delivered Energy Use in All End-Use Sectors, by Federal Agency (Billion Btu)" dataset.

Table 2.8 U.S. Government Energy Consumption by Source, Fiscal Years

(Trillion Btu)

Fiscal Year[a]	Coal	Natural Gas[b]	Petroleum						Other Mobility Fuels[f]	Electricity	Purchased Steam and Other[g]	Total
			Aviation Gasoline	Fuel Oil[c]	Jet Fuel	LPG[d]	Motor Gasoline[e]	Total				
1975	77.9	166.2	22.0	376.0	707.4	5.6	63.2	1,174.2	0.0	141.5	5.1	1,565.0
1976	71.3	151.8	11.6	329.7	610.0	4.7	60.4	1,016.4	.0	139.3	4.6	1,383.4
1977	68.4	141.2	8.8	348.5	619.2	4.1	61.4	1,042.1	.0	141.1	5.7	1,398.5
1978	66.0	144.7	6.2	332.3	601.1	3.0	60.1	1,002.9	.0	141.0	6.4	1,360.9
1979	65.1	148.9	4.7	327.1	618.6	3.7	59.1	1,013.1	.0	141.2	7.1	1,375.4
1980	63.5	147.3	4.9	307.7	638.7	3.8	56.5	1,011.6	.2	141.9	6.8	1,371.2
1981	65.1	142.2	4.6	351.3	653.3	3.5	53.2	1,066.0	.2	144.5	6.2	1,424.2
1982	68.6	146.2	3.6	349.4	672.7	3.7	53.1	1,082.5	.2	147.5	6.2	1,451.4
1983	62.4	147.8	2.6	329.5	673.4	3.8	51.6	1,060.8	.2	151.5	9.0	1,431.8
1984	65.3	157.4	1.9	342.9	693.7	3.9	51.2	1,093.6	.2	155.9	10.1	1,482.5
1985	64.8	149.9	1.9	292.6	705.7	3.8	50.4	1,054.3	.2	167.2	13.9	1,450.3
1986	63.8	140.9	1.4	271.6	710.2	3.6	45.3	1,032.1	.3	155.8	13.7	1,406.7
1987	67.0	145.6	1.0	319.5	702.3	3.6	43.1	1,069.5	.4	169.9	13.9	1,466.3
1988	60.2	144.6	6.0	284.8	617.2	2.7	41.2	951.9	.4	171.2	32.0	1,360.3
1989	48.7	152.4	.8	245.3	761.7	3.5	41.1	1,052.4	2.2	188.6	20.6	1,464.7
1990	44.3	159.4	.5	245.2	732.4	3.8	37.2	1,019.1	2.6	193.6	19.1	1,438.0
1991	45.9	154.1	.4	232.6	774.5	3.0	34.1	1,044.7	6.0	192.7	18.3	1,461.7
1992	51.7	151.2	1.0	200.6	628.2	3.0	35.6	868.4	8.4	192.5	22.5	1,294.8
1993	38.3	152.9	.7	187.0	612.4	3.5	34.5	838.1	5.8	193.1	18.6	1,246.8
1994	35.0	143.9	.6	198.5	550.7	3.2	29.5	782.6	7.7	190.9	18.2	1,178.2
1995	31.7	149.4	.3	178.4	522.3	3.0	31.9	735.9	8.4	184.8	18.2	1,128.5
1996	23.3	147.3	.2	170.5	513.0	3.1	27.6	714.4	18.7	184.0	20.1	1,107.7
1997	22.5	153.8	.3	180.0	475.7	2.6	39.0	697.6	14.5	183.6	19.2	1,091.2
1998	23.9	140.4	.2	174.5	445.5	3.5	43.0	666.8	5.9	181.4	18.8	1,037.1
1999	21.2	137.4	.1	162.1	444.7	2.4	41.1	650.4	.4	180.0	21.5	1,010.9
2000	22.7	133.8	.2	171.3	403.1	2.5	43.9	621.0	1.8	193.6	20.2	993.1
2001	18.8	133.7	.2	176.9	415.2	3.1	42.5	638.0	4.8	188.4	18.6	1,002.3
2002	16.9	133.7	.2	165.6	472.9	2.8	41.3	682.8	3.2	188.3	18.5	1,043.4
2003	18.1	135.5	.3	190.8	517.9	3.2	46.3	758.4	3.3	193.8	23.2	1,132.3
2004	17.4	135.3	.2	261.4	508.2	2.9	44.1	816.9	3.1	197.1	22.0	1,191.7
2005	17.1	135.7	.4	241.4	492.2	3.4	48.8	786.1	5.6	197.6	24.3	1,166.4
2006	23.5	132.6	.6	209.3	442.6	2.7	48.3	703.6	2.1	196.7	18.2	1,076.4
2007	20.4	131.5	.4	212.9	461.1	2.7	46.5	723.7	2.9	194.9	16.7	1,090.2
2008	20.8	129.6	.4	198.4	525.4	2.3	49.0	775.4	3.6	196.1	17.7	1,143.2
2009	20.3	131.7	.3	166.4	505.7	3.2	48.3	723.9	10.1	191.3	17.7	1,094.8
2010	20.0	130.1	.4	157.8	535.8	2.5	51.3	747.7	3.0	193.7	18.2	1,112.7
2011	18.5	124.7	.9	166.5	533.6	2.0	52.7	755.8	2.7	193.2	19.1	1,114.1
2012	15.9	116.2	.4	148.6	493.5	1.7	50.1	694.4	3.1	187.2	22.5	1,039.3
2013	14.3	122.5	.7	140.0	424.0	1.9	46.6	613.2	2.8	184.7	21.8	959.3
2014	13.5	125.6	.3	133.5	414.3	1.8	44.9	594.8	3.6	182.1	21.9	941.5
2015	12.6	R 122.2	.3	134.4	418.9	1.8	46.8	602.2	3.7	R 184.3	R 20.9	R 945.8
2016	10.2	115.4	.3	129.7	403.9	1.7	46.5	582.2	3.6	184.5	21.4	917.2
2017	9.1	115.1	.3	133.9	400.1	1.5	46.4	582.3	3.9	181.7	23.0	915.1

[a] For 1975 and 1976, the U.S. Government's fiscal year was July 1 through June 30. Beginning in 1977, the U.S. Government's fiscal year is October 1 through September 30 (for example, fiscal year 2014 is October 2013 through September 2014).

[b] Natural gas, plus a small amount of supplemental gaseous fuels.

[c] Distillate fuel oil, including diesel fuel; and residual fuel oil, including Navy Special.

[d] Liquefied petroleum gases, primarily propane.

[e] Includes E10 (a mixture of 10% ethanol and 90% motor gasoline) and E15 (a mixture of 15% ethanol and 85% motor gasoline).

[f] Other types of fuel used in vehicles and equipment. Primarily includes alternative fuels such as compressed natural gas (CNG); liquefied natural gas (LNG); E85 (a mixture of 85% ethanol and 15% motor gasoline); B20 (a mixture of 20% biodiesel and 80% diesel fuel); B100 (100% biodiesel); hydrogen; and methanol.

[g] Other types of energy used in facilities. Primarily includes chilled water, but also includes small amounts of renewable energy such as wood and solar thermal.

R=Revised.

Notes: • Data in this table are developed using conversion factors that often differ from those in Tables A1–A6. • Data include energy consumed at foreign installations and in foreign operations, including aviation and ocean bunkering, primarily by the U.S. Department of Defense. U.S. Government energy use for electricity generation and uranium enrichment is excluded. • Totals may not equal sum of components due to independent rounding.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/#consumption (Excel and CSV files) for all annual data beginning in 1975.

Source: U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Federal Energy Management Program. See http://ctsedwweb.ee.doe.gov/Annual/Report/Report.aspx, "A-5 Historical Federal Energy Consumption and Cost Data by Agency and Energy Type (FY 1975 to Present)" dataset.

Note 1. 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, geothermal, solar thermal, photovoltaic, and wind energy sources. 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% is lost in plant use and 7% is lost in transmission and distribution.

Note 2. 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 U.S. 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, U.S. Energy Information Administration, Washington, DC, April 6, 1990.

Table 2.2 Sources

Coal

1949–2007: Residential sector coal consumption data from Table 6.2 are converted to Btu by multiplying by the residential and commercial sectors coal consumption heat content factors in Table A5.

Natural Gas

1949–1979: Residential sector natural gas (including supplemental gaseous fuels) consumption data from Table 4.3 are converted to Btu by multiplying by the natural gas end-use sectors consumption heat content factors in Table A4.

1980 forward: Residential sector natural gas (including supplemental gaseous fuels) consumption data from Table 4.3 are converted to Btu by multiplying by the natural gas end-use sectors consumption heat content factors in Table A4. The residential sector portion of supplemental gaseous fuels data in Btu is estimated using the method described in Note 3, “Supplemental Gaseous Fuels,” at the end of Section 4. Residential sector natural gas (excluding supplemental gaseous fuels) consumption is equal to residential sector natural gas (including supplemental gaseous fuels) consumption minus the residential sector portion of supplemental gaseous fuels.

Petroleum

1949 forward: Table 3.8a.

Fossil Fuels Total

1949–2007: Residential sector total fossil fuels consumption is the sum of the residential sector consumption values for coal, natural gas, and petroleum.

2008 forward: Residential sector total fossil fuels consumption is the sum of the residential sector consumption values for natural gas and petroleum.

Renewable Energy
1949 forward: Table 10.2a.

Total Primary Energy Consumption
1949 forward: Residential sector total primary energy consumption is the sum of the residential sector consumption values for fossil fuels and renewable energy.

Electricity Retail Sales
1949 forward: Residential sector electricity retail sales from Table 7.6 are converted to Btu by multiplying by the electricity heat content factor in Table A6.

Electrical System Energy Losses
1949 forward: Total electrical system energy losses are equal to electric power sector total primary energy consumption from Table 2.6 minus total electricity retail sales from Table 7.6 (converted to Btu by multiplying by the electricity heat content factor in Table A6). Total electrical system energy losses are allocated to the residential sector in proportion to the residential sector's share of total electricity retail sales from Table 7.6. See Note 1, "Electrical System Energy Losses."

Total Energy Consumption
1949 forward: Residential sector total energy consumption is the sum of the residential sector consumption values for total primary energy, electricity retail sales, and electrical system energy losses.

Table 2.3 Sources

Coal
1949 forward: Commercial sector coal consumption data from Table 6.2 are converted to Btu by multiplying by the residential and commercial sectors coal consumption heat content factors in Table A5.

Natural Gas
1949–1979: Commercial sector natural gas (including supplemental gaseous fuels) consumption data from Table 4.3 are converted to Btu by multiplying by the natural gas end-use sectors consumption heat content factors in Table A4.

1980 forward: Commercial sector natural gas (including supplemental gaseous fuels) consumption data from Table 4.3 are converted to Btu by multiplying by the natural gas end-use sectors consumption heat content factors in Table A4. The commercial sector portion of supplemental gaseous fuels data in Btu is estimated using the method described in Note 3, "Supplemental Gaseous Fuels," at the end of Section 4. Commercial sector natural gas (excluding supplemental gaseous fuels) consumption is equal to commercial sector natural gas (including supplemental gaseous fuels) consumption minus the commercial sector portion of supplemental gaseous fuels.

Petroleum
1949–1992: Table 3.8a.

1993–2008: The commercial sector share of motor gasoline consumption is equal to commercial sector motor gasoline consumption from Table 3.7a divided by motor gasoline product supplied from Table 3.5. Commercial sector fuel ethanol (including denaturant) consumption is equal to total fuel ethanol (including denaturant) consumption from Table 10.3 multiplied by the commercial sector share of motor gasoline consumption. Commercial sector petroleum (excluding biofuels) consumption is equal to commercial sector petroleum (including biofuels) consumption from Table 3.8a minus commercial sector fuel ethanol (including denaturant) consumption.

2009 forward: Commercial sector fuel ethanol (minus denaturant) consumption is equal to total fuel ethanol (minus denaturant) consumption from Table 10.3 multiplied by the commercial sector share of motor gasoline consumption (see 1993–2008 sources above). Commercial sector petroleum (excluding biofuels) consumption is equal to commercial sector petroleum (including biofuels) consumption from Table 3.8a minus commercial sector fuel ethanol (minus denaturant) consumption.

Fossil Fuels Total
1949 forward: Commercial sector total fossil fuels consumption is the sum of the commercial sector consumption values for coal, natural gas, and petroleum.

Renewable Energy
1949 forward: Table 10.2a.

Total Primary Energy Consumption
1949 forward: Commercial sector total primary energy consumption is the sum of the commercial sector consumption values for fossil fuels and renewable energy.

Electricity Retail Sales
1949 forward: Commercial sector electricity retail sales from Table 7.6 are converted to Btu by multiplying by the electricity heat content factor in Table A6.

Electrical System Energy Losses
1949 forward: Total electrical system energy losses are equal to electric power sector total primary energy consumption from Table 2.6 minus total electricity retail sales from Table 7.6 (converted to Btu by multiplying by the electricity heat content factor in Table A6). Total electrical system energy losses are allocated to the commercial sector in proportion to the commercial sector's share of total electricity retail sales from Table 7.6. See Note 1, "Electrical System Energy Losses."

Total Energy Consumption
1949 forward: Commercial sector total energy consumption is the sum of the commercial sector consumption values for total primary energy, electricity retail sales, and electrical system energy losses.

Table 2.4 Sources

Coal
1949 forward: Coke plants coal consumption from Table 6.2 is converted to Btu by multiplying by the coke plants coal consumption heat content factors in Table A5. Other industrial coal consumption from Table 6.2 is converted to Btu by multiplying by the other industrial coal consumption heat content factors in Table A5. Industrial sector coal consumption is equal to coke plants coal consumption and other industrial coal consumption.

Natural Gas
1949–1979: Industrial sector natural gas (including supplemental gaseous fuels) consumption data from Table 4.3 are converted to Btu by multiplying by the natural gas end-use sectors consumption heat content factors in Table A4.

1980 forward: Industrial sector natural gas (including supplemental gaseous fuels) consumption data from Table 4.3 are converted to Btu by multiplying by the natural gas end-use sectors consumption heat content factors in Table A4. The industrial sector portion of supplemental gaseous fuels data in Btu is estimated using the method described in Note 3, "Supplemental Gaseous Fuels," at the end of Section 4. Industrial sector natural gas (excluding supplemental gaseous fuels) consumption is equal to industrial sector natural gas (including supplemental gaseous fuels) consumption minus the industrial sector portion of supplemental gaseous fuels.

Petroleum
1949–1992: Table 3.8b.

1993–2008: The industrial sector share of motor gasoline consumption is equal to industrial sector motor gasoline consumption from Table 3.7b divided by motor gasoline product supplied from Table 3.5. Industrial sector fuel ethanol (including denaturant) consumption is equal to total fuel ethanol (including denaturant) consumption from Table 10.3 multiplied by the industrial sector share of motor gasoline consumption. Industrial sector petroleum (excluding biofuels) consumption is equal to industrial sector petroleum (including biofuels) consumption from Table 3.8b minus industrial sector fuel ethanol (including denaturant) consumption.

2009 forward: Industrial sector fuel ethanol (minus denaturant) consumption is equal to total fuel ethanol (minus denaturant) consumption from Table 10.3 multiplied by the industrial sector share of motor gasoline consumption (see 1993–2008 sources above). Industrial sector petroleum (excluding biofuels) consumption is equal to industrial sector petroleum (including biofuels) consumption from Table 3.8b minus industrial sector fuel ethanol (minus denaturant) consumption.

Coal Coke Net Imports
1949 forward: Coal coke net imports are equal to coal coke imports from Table 1.4a minus coal coke exports from Table 1.4b.

Fossil Fuels Total
1949 forward: Industrial sector total fossil fuels consumption is the sum of the industrial sector consumption values for coal, natural gas, and petroleum, plus coal coke net imports.

Renewable Energy
1949 forward: Table 10.2b.

Total Primary Energy Consumption
1949 forward: Industrial sector total primary energy consumption is the sum of the industrial sector consumption values for fossil fuels and renewable energy.

Electricity Retail Sales
1949 forward: Industrial sector electricity retail sales from Table 7.6 are converted to Btu by multiplying by the electricity heat content factor in Table A6.

Electrical System Energy Losses
1949 forward: Total electrical system energy losses are equal to electric power sector total primary energy consumption from Table 2.6 minus total electricity retail sales from Table 7.6 (converted to Btu by multiplying by the electricity heat content factor in Table A6). Total electrical system energy losses are allocated to the industrial sector in proportion to the industrial sector's share of total electricity retail sales from Table 7.6. See Note 1, "Electrical System Energy Losses."

Total Energy Consumption
1949 forward: Industrial sector total energy consumption is the sum of the industrial sector consumption values for total primary energy, electricity retail sales, and electrical system energy losses.

Table 2.5 Sources

Coal
1949–1977: Transportation sector coal consumption data from Table 6.2 are converted to Btu by multiplying by the other industrial sector coal consumption heat content factors in Table A5.

Natural Gas
1949 forward: Transportation sector natural gas consumption data from Table 4.3 are converted to Btu by multiplying by the natural gas end-use sectors consumption heat content factors in Table A4.

Petroleum
1949–1992: Table 3.8c.

1993–2008: The transportation sector share of motor gasoline consumption is equal to transportation sector motor gasoline consumption from Table 3.7c divided by motor gasoline product supplied from Table 3.5. Transportation sector fuel ethanol (including denaturant) consumption is equal to total fuel ethanol (including denaturant) consumption from Table 10.3 multiplied by the transportation sector share of motor gasoline consumption. Transportation sector petroleum (excluding biofuels) consumption is equal to transportation sector petroleum (including biofuels) consumption from Table 3.8c minus transportation sector fuel ethanol (including denaturant) consumption.

2009 forward: Transportation sector fuel ethanol (minus denaturant) consumption is equal to total fuel ethanol (minus denaturant) consumption from Table 10.3 multiplied by the transportation sector share of motor gasoline consumption (see 1993–2008 sources above). Transportation sector petroleum (excluding biofuels) consumption is equal to: transportation sector petroleum (including biofuels) consumption from Table 3.8c; minus transportation sector fuel ethanol (minus denaturant) consumption; minus refinery and blender net inputs of renewable fuels (excluding fuel ethanol) from U.S. Energy Information Administration, Petroleum Supply Annual/Petroleum Supply Monthly, Table 1 (for biomass-based diesel fuel, the data are converted to Btu by multiplying by the biodiesel heat content factor in Table A1; for other renewable diesel fuel, the data are converted to Btu by multiplying by the other renewable diesel fuel heat content factor in Table A1).

Fossil Fuels Total
1949–1977: Transportation sector total fossil fuels consumption is the sum of the transportation sector consumption values for coal, natural gas, and petroleum.

1978 forward: Transportation sector total fossil fuels consumption is the sum of the transportation sector consumption values for natural gas and petroleum.

Renewable Energy
1981 forward: Table 10.2b.

Total Primary Energy Consumption

1949–1980: Transportation sector total primary energy consumption is equal to transportation sector fossil fuels consumption.

1981 forward: Transportation sector total primary energy consumption is the sum of the transportation sector consumption values for fossil fuels and renewable energy.

Electricity Retail Sales
1949 forward: Transportation sector electricity retail sales from Table 7.6 are converted to Btu by multiplying by the electricity heat content factor in Table A6.

Electrical System Energy Losses
1949 forward: Total electrical system energy losses are equal to electric power sector total primary energy consumption from Table 2.6 minus total electricity retail sales from Table 7.6 (converted to Btu by multiplying by the electricity heat content factor in Table A6). Total electrical system energy losses are allocated to the transportation sector in proportion to the transportation sector's share of total electricity retail sales from Table 7.6. See Note 1, "Electrical System Energy Losses."

Total Energy Consumption
1949 forward: Transportation sector total energy consumption is the sum of the transportation sector consumption values for total primary energy, electricity retail sales, and electrical system energy losses.

Table 2.6 Sources

Coal
1949 forward: Electric power sector coal consumption data from Table 6.2 are converted to Btu by multiplying by the electric power sector coal consumption heat content factors in Table A5.

Natural Gas
1949–1979: Electric power sector natural gas (including supplemental gaseous fuels) consumption data from Table 4.3 are converted to Btu by multiplying by the natural gas electric power sector consumption heat content factors in Table A4.

1980 forward: Electric power sector natural gas (including supplemental gaseous fuels) consumption data from Table 4.3 are converted to Btu by multiplying by the natural gas electric power sector consumption heat content factors in Table A4. The electric power sector portion of supplemental gaseous fuels data in Btu is estimated using the method described in Note 3, "Supplemental Gaseous Fuels," at the end of Section 4. Electric power sector natural gas (excluding supplemental gaseous fuels) consumption is equal to electric power sector natural gas (including supplemental gaseous fuels) consumption minus the electric power sector portion of supplemental gaseous fuels.

Petroleum
1949 forward: Table 3.8c.

Fossil Fuels Total
1949 forward: Electric power sector total fossil fuels consumption is the sum of the electric power sector consumption values for coal, natural gas, and petroleum.

Nuclear Electric Power
1949 forward: Nuclear electricity net generation data from Table 7.2a are converted to Btu by multiplying by the nuclear heat rate factors in Table A6.

Renewable Energy
1949 forward: Table 10.2c.

Electricity Net Imports
1949 forward: Electricity net imports are equal to electricity imports from Table 1.4a minus electricity exports from Table 1.4b.

Total Primary Energy Consumption
1949 forward: Electric power sector total primary energy consumption is the sum of the electric power sector consumption values for fossil fuels, nuclear electric power, and renewable energy, plus electricity net imports.

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