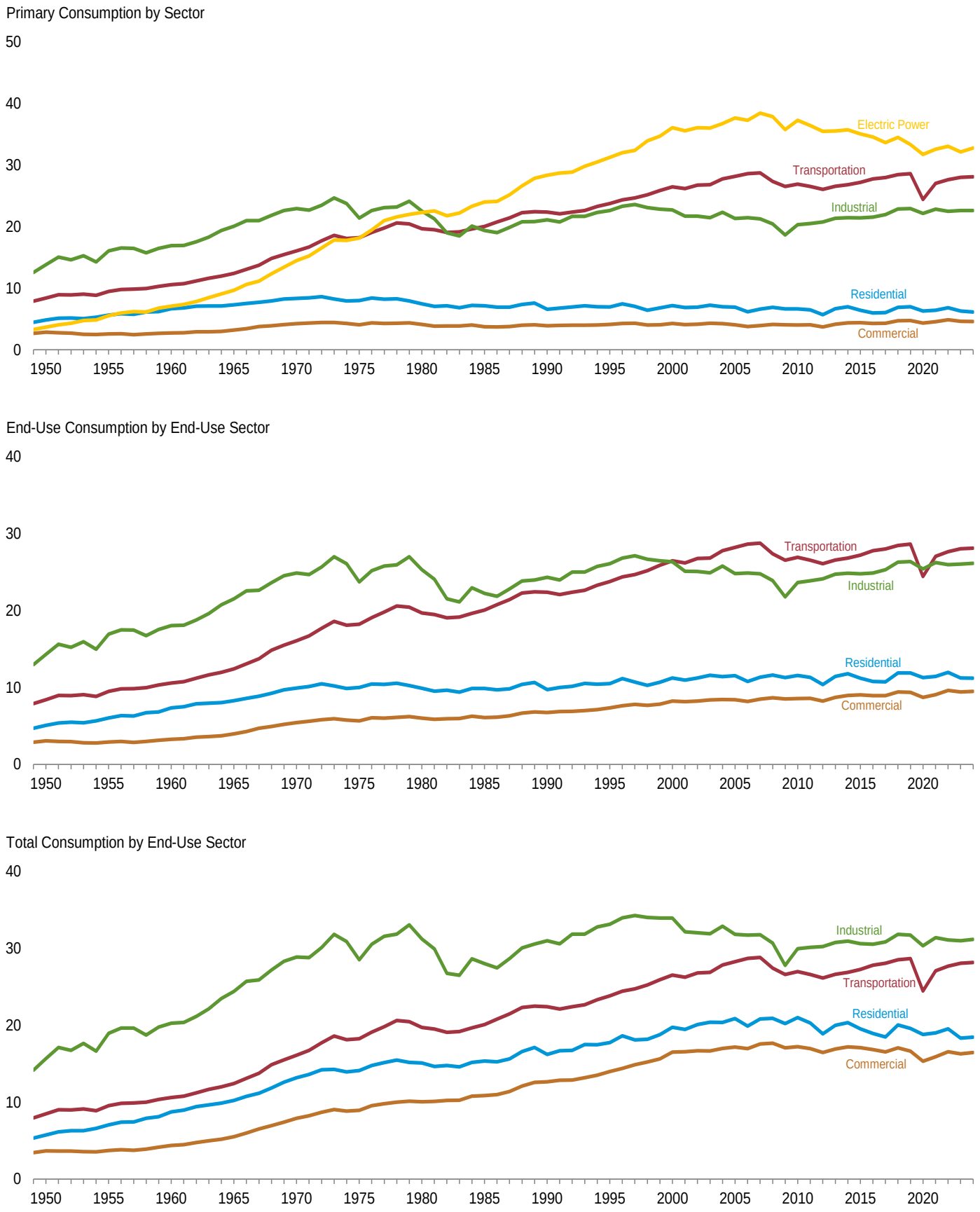
2. Energy Consumption By Sector

Figure 2.1a Energy Consumption by Sector, 1949–2024

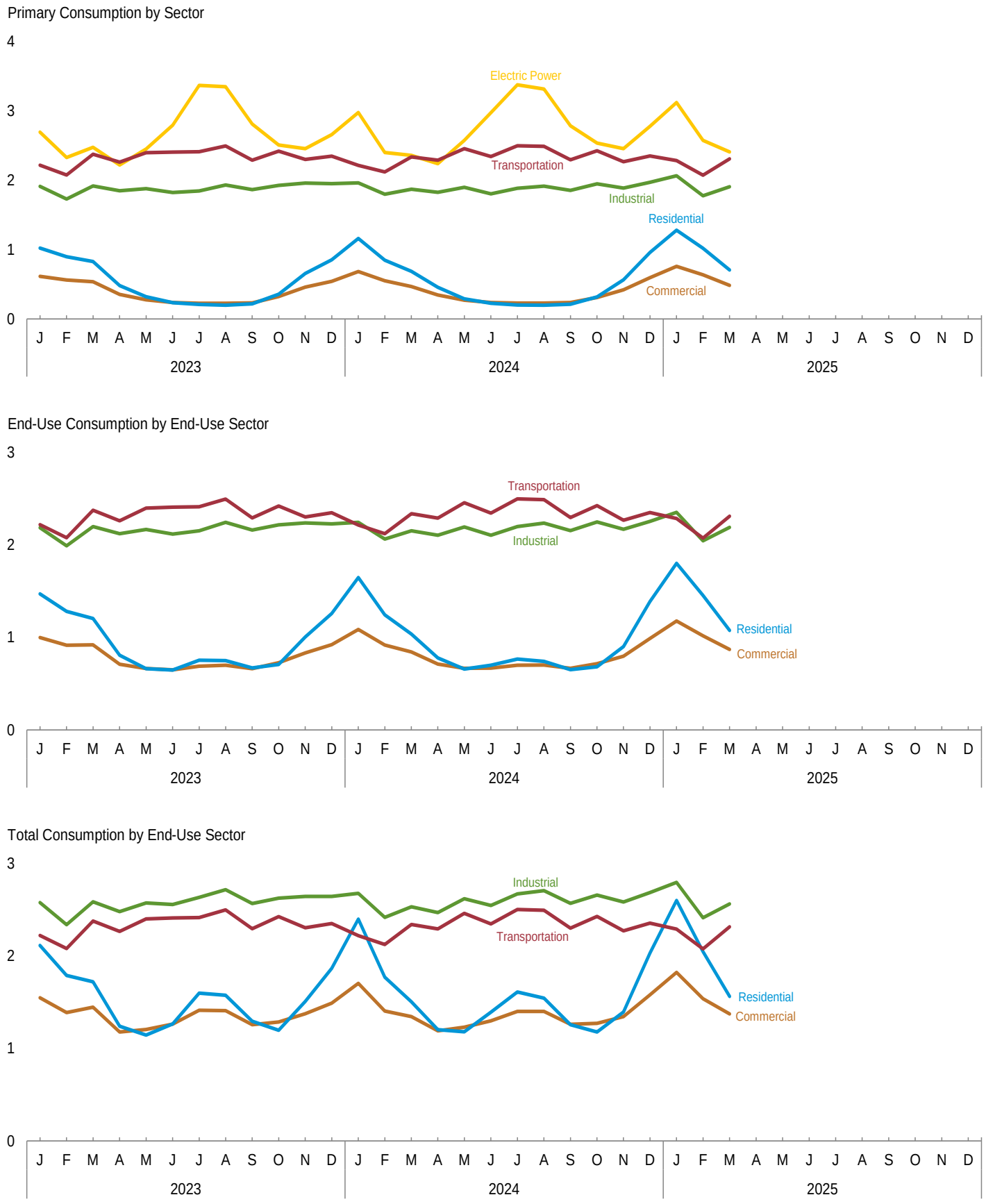
(Quadrillion Btu)



Web Page: http://www.eia.gov/totalenergy/data/monthly/#consumption.
Source: Tables 2.1a—2.1b.

Figure 2.1b Energy Consumption by Sector, Monthly

(Quadrillion Btu)



Web Page: http://www.eia.gov/totalenergy/data/monthly/#consumption.
Source: Tables 2.1a—2.1b.

Table 2.1a Energy Consumption: Residential, Commercial, and Industrial Sectors

(Trillion Btu)

	End-Use Sectors														
	Residential					Commercial[a]					Industrial[a]				
	Primary[b]	Electricity[c]	End Use[d]	Electrical System Energy Losses[e]	Total[f]	Primary[b]	Electricity[c]	End Use[d]	Electrical System Energy Losses[e]	Total[f]	Primary[b]	Electricity[c]	End Use[d]	Electrical System Energy Losses[e]	Total[f]
1950 Total	**4,830**	**246**	**5,076**	**661**	**5,736**	**2,834**	**225**	**3,059**	**604**	**3,663**	**13,820**	**500**	**14,319**	**1,340**	**15,659**
1955 Total	**5,608**	**438**	**6,046**	**990**	**7,036**	**2,561**	**350**	**2,911**	**791**	**3,702**	**16,046**	**887**	**16,933**	**2,005**	**18,938**
1960 Total	**6,651**	**687**	**7,339**	**1,387**	**8,726**	**2,723**	**543**	**3,266**	**1,096**	**4,362**	**16,923**	**1,107**	**18,030**	**2,234**	**20,264**
1965 Total	**7,280**	**993**	**8,273**	**1,950**	**10,223**	**3,177**	**789**	**3,966**	**1,549**	**5,514**	**20,063**	**1,463**	**21,526**	**2,873**	**24,399**
1970 Total	**8,323**	**1,591**	**9,914**	**3,264**	**13,178**	**4,237**	**1,201**	**5,438**	**2,464**	**7,902**	**22,918**	**1,948**	**24,866**	**3,995**	**28,862**
1975 Total	**7,990**	**2,007**	**9,997**	**4,103**	**14,100**	**4,059**	**1,598**	**5,657**	**3,267**	**8,924**	**21,378**	**2,346**	**23,725**	**4,797**	**28,522**
1980 Total	**7,440**	**2,448**	**9,888**	**5,194**	**15,082**	**4,105**	**1,906**	**6,011**	**4,044**	**10,055**	**22,527**	**2,781**	**25,308**	**5,900**	**31,209**
1985 Total	**7,149**	**2,709**	**9,858**	**5,486**	**15,344**	**3,732**	**2,351**	**6,084**	**4,762**	**10,845**	**19,363**	**2,855**	**22,218**	**5,782**	**28,000**
1990 Total	**6,552**	**3,153**	**9,705**	**6,501**	**16,206**	**3,892**	**2,860**	**6,753**	**5,898**	**12,650**	**21,100**	**3,226**	**24,326**	**6,652**	**30,978**
1995 Total	**6,934**	**3,557**	**10,491**	**7,256**	**17,747**	**4,099**	**3,252**	**7,352**	**6,634**	**13,985**	**22,622**	**3,455**	**26,077**	**7,048**	**33,125**
2000 Total	**7,156**	**4,069**	**11,225**	**8,507**	**19,732**	**4,277**	**3,956**	**8,233**	**8,271**	**16,504**	**22,721**	**3,631**	**26,352**	**7,592**	**33,945**
2005 Total	**6,901**	**4,638**	**11,538**	**9,340**	**20,879**	**4,051**	**4,351**	**8,401**	**8,762**	**17,163**	**21,322**	**3,477**	**24,799**	**7,003**	**31,803**
2010 Total	**6,635**	**4,933**	**11,568**	**9,419**	**20,987**	**4,014**	**4,539**	**8,553**	**8,666**	**17,219**	**20,317**	**3,314**	**23,631**	**6,328**	**29,958**
2011 Total	**6,465**	**4,855**	**11,319**	**8,967**	**20,286**	**4,051**	**4,531**	**8,583**	**8,370**	**16,952**	**20,494**	**3,382**	**23,876**	**6,247**	**30,123**
2012 Total	**5,672**	**4,690**	**10,362**	**8,510**	**18,871**	**3,702**	**4,528**	**8,230**	**8,216**	**16,446**	**20,765**	**3,363**	**24,128**	**6,103**	**30,230**
2013 Total	**6,669**	**4,759**	**11,428**	**8,554**	**19,983**	**4,134**	**4,562**	**8,696**	**8,200**	**16,897**	**21,357**	**3,362**	**24,719**	**6,043**	**30,762**
2014 Total	**6,976**	**4,801**	**11,778**	**8,560**	**20,338**	**4,353**	**4,614**	**8,966**	**8,226**	**17,192**	**21,449**	**3,404**	**24,853**	**6,068**	**30,921**
2015 Total	**6,423**	**4,791**	**11,214**	**8,306**	**19,520**	**4,398**	**4,643**	**9,040**	**8,050**	**17,090**	**21,411**	**3,366**	**24,777**	**5,836**	**30,613**
2016 Total	**5,969**	**4,815**	**10,783**	**8,146**	**18,929**	**4,270**	**4,665**	**8,935**	**7,893**	**16,828**	**21,549**	**3,333**	**24,882**	**5,639**	**30,520**
2017 Total	**6,018**	**4,704**	**10,722**	**7,751**	**18,473**	**4,309**	**4,616**	**8,925**	**7,606**	**16,530**	**21,943**	**3,358**	**25,301**	**5,534**	**30,835**
2018 Total	**6,886**	**5,013**	**11,899**	**8,126**	**20,025**	**4,705**	**4,715**	**9,419**	**7,643**	**17,062**	**22,864**	**3,414**	**26,278**	**5,535**	**31,813**
2019 Total	**6,976**	**4,914**	**11,890**	**7,686**	**19,577**	**4,722**	**4,643**	**9,365**	**7,263**	**16,628**	**22,946**	**3,420**	**26,366**	**5,349**	**31,715**
2020 Total	**6,295**	**4,997**	**11,292**	**7,503**	**18,795**	**4,325**	**4,393**	**8,718**	**6,595**	**15,313**	**22,128**	**3,272**	**25,401**	**4,913**	**30,314**
2021 Total	**6,420**	**5,017**	**11,437**	**7,564**	**19,002**	**4,537**	**4,533**	**9,070**	**6,834**	**15,904**	**22,828**	**3,414**	**26,242**	**5,147**	**31,390**
2022 Total	**6,820**	**5,150**	**11,969**	**7,553**	**19,522**	**4,860**	**4,746**	**9,605**	**6,961**	**16,566**	**22,488**	**3,482**	**25,970**	**5,107**	**31,077**
2023 January	1,024	449	1,473	641	2,114	616	385	1,001	549	1,550	1,914	274	2,188	391	2,579
February	899	383	1,282	509	1,790	563	354	917	471	1,388	1,731	261	1,992	347	2,339
March	828	377	1,205	516	1,721	538	384	922	526	1,448	1,918	283	2,201	387	2,588
April	481	328	809	432	1,241	355	355	711	468	1,178	1,850	273	2,123	360	2,482
May	322	342	664	481	1,145	278	386	665	543	1,207	1,879	289	2,168	406	2,574
June	235	414	649	618	1,267	238	412	650	615	1,264	1,825	294	2,119	439	2,558
July	210	545	755	845	1,600	226	465	691	721	1,413	1,846	309	2,155	479	2,634
August	199	551	750	827	1,577	228	472	700	709	1,410	1,933	314	2,247	472	2,719
September	218	453	671	625	1,296	232	432	664	596	1,259	1,867	295	2,162	407	2,569
October	356	353	709	489	1,198	325	403	728	560	1,287	1,926	293	2,219	407	2,626
November	658	348	1,006	503	1,510	459	374	834	542	1,376	1,960	280	2,240	405	2,646
December	855	406	1,260	606	1,867	543	380	923	568	1,491	1,952	279	2,230	416	2,646
Total	**6,285**	**4,947**	**11,232**	**7,077**	**18,310**	**4,601**	**4,804**	**9,405**	**6,873**	**16,278**	**22,601**	**3,444**	**26,044**	**4,926**	**30,970**
2024 January	1,162	488	1,649	751	2,400	685	402	1,087	619	1,706	1,964	281	2,245	433	2,678
February	849	396	1,245	526	1,771	551	368	919	488	1,406	1,798	266	2,064	353	2,418
March	687	350	1,038	467	1,505	469	376	845	501	1,346	1,872	283	2,155	377	2,532
April	456	324	780	422	1,203	347	366	713	477	1,191	1,826	280	2,106	365	2,471
May	291	368	659	521	1,180	271	397	668	562	1,230	1,898	299	2,197	424	2,621
June	226	475	700	694	1,394	239	431	670	630	1,300	1,805	301	2,106	440	2,547
July	203	565	768	844	1,612	229	470	700	703	1,402	1,884	316	2,201	473	2,673
August	199	545	743	803	1,546	229	474	703	699	1,402	1,917	320	2,237	471	2,708
September	214	438	652	606	1,259	239	430	668	595	1,263	1,856	300	2,156	415	2,570
October	318	365	683	495	1,178	310	408	718	554	1,272	1,950	301	2,251	409	2,660
November	564	339	903	493	1,396	422	377	799	547	1,346	1,888	284	2,172	413	2,585
December	958	430	1,388	644	R 2,031	596	394	990	590	1,580	1,970	287	2,257	429	2,686
Total	**6,127**	**5,083**	**11,209**	**7,244**	**18,453**	**4,587**	**4,893**	**9,480**	**6,973**	**16,453**	**22,628**	**3,519**	**26,147**	**5,015**	**31,162**
2025 January	1,282	521	1,803	799	2,602	758	421	1,179	R 645	R 1,824	2,066	288	2,355	442	2,797
February	1,020	436	1,456	593	2,049	637	382	1,019	R 520	1,538	R 1,776	271	R 2,047	R 369	2,415
March	706	373	1,078	485	1,564	485	387	871	503	1,375	1,907	285	2,192	371	2,564
3-Month Total	**3,008**	**1,329**	**4,337**	**1,877**	**6,214**	**1,880**	**1,189**	**3,069**	**1,669**	**4,738**	**5,750**	**844**	**6,594**	**1,182**	**7,776**
2024 3-Month Total	**2,698**	**1,234**	**3,932**	**1,744**	**5,676**	**1,705**	**1,145**	**2,850**	**1,607**	**4,458**	**5,634**	**830**	**6,464**	**1,163**	**7,627**
2023 3-Month Total	**2,751**	**1,208**	**3,960**	**1,665**	**5,625**	**1,717**	**1,123**	**2,841**	**1,546**	**4,387**	**5,563**	**818**	**6,380**	**1,125**	**7,506**

[a] Includes energy consumed at combined-heat-and-power (CHP) and electricity-only plants within the sector.

[b] Energy consumed in the form that it is first accounted for, before any transformation to secondary or tertiary forms of energy. See "Primary Energy Consumption" in Glossary.

[c] Electricity sold to the sector. See "Electricity Sales to Ultimate Customers" in Glossary.

[d] Sum of "Primary" and "Electricity." See "End-Use Energy Consumption" in Glossary.

[e] Calculated as the difference between primary energy consumed by the electric power sector and the energy content of electricity sales to ultimate customers sent to the end-use sectors. Allocated proportionally to the electricity sales to ultimate customers in each end-use sector. See Note 1, "Electrical System Energy Losses," at end of section.

[f] Equal to end-use energy consumption plus electrical system energy losses.

R=Revised.

Notes: • Data are estimates. • See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 2, "Other Energy Losses," at end of section. • See Note 3, "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: Tables 2.2–2.4.

Table 2.1b Energy Consumption: Transportation Sector, Total End-Use Sectors, and Electric Power Sector (Trillion Btu)

	End-Use Sectors										Electric Power Sector[a]	
	Transportation					Total						
	Primary[b]	Elec-tricity[c]	End Use[d]	Electrical System Energy Losses[e]	Total[f]	Primary[b]	Elec-tricity[c]	End Use[d]	Electrical System Energy Losses[e]	Total[g]	Primary[b]	Primary Total[h]
1950 Total	**8,383**	**23**	**8,407**	**62**	**8,469**	**29,867**	**994**	**30,861**	**2,666**	**33,527**	**3,661**	**33,527**
1955 Total	**9,474**	**20**	**9,494**	**45**	**9,539**	**33,690**	**1,695**	**35,385**	**3,830**	**39,215**	**5,525**	**39,215**
1960 Total	**10,560**	**10**	**10,570**	**21**	**10,591**	**36,856**	**2,348**	**39,204**	**4,738**	**43,942**	**7,086**	**43,942**
1965 Total	**12,399**	**10**	**12,409**	**20**	**12,428**	**42,919**	**3,254**	**46,173**	**6,392**	**52,565**	**9,646**	**52,565**
1970 Total	**16,062**	**11**	**16,073**	**22**	**16,094**	**51,540**	**4,751**	**56,291**	**9,745**	**66,036**	**14,495**	**66,036**
1975 Total	**18,211**	**10**	**18,221**	**21**	**18,241**	**51,638**	**5,961**	**57,599**	**12,188**	**69,787**	**18,149**	**69,788**
1980 Total	**19,659**	**11**	**19,670**	**23**	**19,694**	**53,731**	**7,146**	**60,878**	**15,162**	**76,040**	**22,309**	**76,038**
1985 Total	**20,042**	**14**	**20,056**	**29**	**20,084**	**50,285**	**7,929**	**58,214**	**16,059**	**74,273**	**23,988**	**74,268**
1990 Total	**22,366**	**16**	**22,382**	**33**	**22,415**	**53,910**	**9,255**	**63,165**	**19,084**	**82,250**	**28,340**	**82,256**
1995 Total	**23,757**	**17**	**23,774**	**35**	**23,808**	**57,412**	**10,281**	**67,694**	**20,973**	**88,666**	**31,254**	**88,668**
2000 Total	**26,456**	**18**	**26,474**	**38**	**26,512**	**60,610**	**11,674**	**72,284**	**24,409**	**96,693**	**36,083**	**96,694**
2005 Total	**28,179**	**26**	**28,205**	**52**	**28,257**	**60,452**	**12,491**	**72,944**	**25,158**	**98,101**	**37,649**	**98,101**
2010 Total	**26,894**	**26**	**26,920**	**50**	**26,970**	**57,860**	**12,812**	**70,672**	**24,463**	**95,135**	**37,275**	**95,142**
2011 Total	**26,523**	**26**	**26,549**	**48**	**26,598**	**57,533**	**12,794**	**70,327**	**23,632**	**93,959**	**36,426**	**93,966**
2012 Total	**26,057**	**25**	**26,082**	**45**	**26,127**	**56,195**	**12,606**	**68,801**	**22,874**	**91,675**	**35,480**	**91,677**
2013 Total	**26,541**	**26**	**26,567**	**47**	**26,614**	**58,701**	**12,709**	**71,410**	**22,845**	**94,255**	**35,554**	**94,253**
2014 Total	**26,802**	**26**	**26,828**	**47**	**26,875**	**59,580**	**12,845**	**72,425**	**22,902**	**95,326**	**35,747**	**95,332**
2015 Total	**27,182**	**26**	**27,208**	**45**	**27,253**	**59,414**	**12,826**	**72,239**	**22,237**	**94,476**	**35,063**	**94,478**
2016 Total	**27,741**	**26**	**27,767**	**43**	**27,810**	**59,529**	**12,838**	**72,367**	**21,720**	**94,087**	**34,558**	**94,083**
2017 Total	**27,980**	**26**	**28,005**	**42**	**28,048**	**60,249**	**12,704**	**72,954**	**20,932**	**93,886**	**33,636**	**93,886**
2018 Total	**28,435**	**26**	**28,461**	**42**	**28,504**	**62,890**	**13,168**	**76,057**	**21,346**	**97,403**	**34,514**	**97,396**
2019 Total	**28,603**	**26**	**28,629**	**41**	**28,670**	**63,247**	**13,004**	**76,250**	**20,339**	**96,589**	**33,343**	**96,595**
2020 Total	**24,397**	**22**	**24,419**	**34**	**24,453**	**57,145**	**12,685**	**69,830**	**19,045**	**88,875**	**31,730**	**88,871**
2021 Total	**27,020**	**22**	**27,041**	**33**	**27,074**	**60,805**	**12,986**	**73,791**	**19,578**	**93,369**	**32,564**	**93,364**
2022 Total	**27,621**	**23**	**27,643**	**33**	**27,676**	**61,789**	**13,400**	**75,188**	**19,653**	**94,841**	**33,053**	**94,838**
2023 January	2,218	2	2,220	3	2,223	5,772	1,110	6,882	1,584	8,467	2,695	8,466
February	2,077	2	2,079	3	2,081	5,270	1,000	6,270	1,329	7,599	2,329	7,595
March	2,375	2	2,377	3	2,380	5,660	1,046	6,705	1,431	8,136	2,477	8,132
April	2,262	2	2,263	2	2,266	4,948	958	5,906	1,262	7,168	2,220	7,164
May	2,399	2	2,400	3	2,403	4,877	1,019	5,897	1,432	7,329	2,451	7,326
June	2,408	2	2,410	3	2,413	4,705	1,122	5,827	1,675	7,502	2,796	7,504
July	2,412	2	2,414	3	2,417	4,694	1,321	6,015	2,048	8,063	3,369	8,071
August	2,495	2	2,497	3	2,500	4,855	1,339	6,194	2,011	8,206	3,350	8,213
September	2,291	2	2,293	3	2,296	4,608	1,182	5,790	1,630	7,420	2,813	7,423
October	2,421	2	2,423	3	2,426	5,028	1,051	6,079	1,458	7,538	2,509	7,537
November	2,302	2	2,304	3	2,306	5,380	1,004	6,384	1,453	7,837	2,457	7,834
December	2,348	2	2,350	3	2,353	5,697	1,067	6,764	1,594	8,358	2,660	8,356
Total	**28,006**	**23**	**28,030**	**34**	**28,063**	**61,493**	**13,219**	**74,712**	**18,909**	**93,621**	**32,128**	**93,621**
2024 January	2,215	2	2,217	3	2,221	6,026	1,173	7,199	1,806	9,004	2,978	9,007
February	2,122	2	2,124	2	2,126	5,320	1,032	6,352	1,369	7,721	2,401	7,717
March	2,337	2	2,339	3	2,342	5,365	1,011	6,376	1,348	7,724	2,359	7,718
April	2,290	2	2,292	2	2,294	4,919	973	5,891	1,267	7,158	2,240	7,154
May	2,457	2	2,459	3	2,462	4,917	1,066	5,983	1,510	7,493	2,577	7,491
June	2,343	2	2,345	3	2,348	4,614	1,209	5,823	1,767	7,589	2,976	7,592
July	2,498	2	2,500	3	2,504	4,815	1,354	6,169	2,023	8,192	3,377	8,198
August	2,490	2	2,492	3	2,495	4,835	1,340	6,175	1,976	8,151	3,316	8,157
September	2,297	2	2,299	3	2,302	4,606	1,169	5,775	1,619	7,394	2,788	7,396
October	2,426	2	2,427	3	2,430	5,004	1,076	6,080	1,460	7,540	2,536	7,537
November	2,267	2	2,269	3	2,272	5,141	1,002	6,143	1,456	7,599	2,457	7,596
December	2,351	2	2,353	3	2,356	5,874	1,113	6,987	1,666	8,653	2,779	8,652
Total	**28,093**	**24**	**28,117**	**34**	**28,151**	**61,435**	**13,518**	**74,953**	**19,266**	**94,218**	**32,784**	**94,216**
2025 January	2,286	2	2,288	3	2,291	6,392	1,232	7,624	1,890	9,515	R 3,122	9,519
February	2,073	2	R 2,075	3	2,078	R 5,506	1,091	R 6,597	R 1,485	R 8,081	R 2,575	R 8,082
March	2,311	2	2,313	3	2,316	5,409	1,046	6,455	1,362	7,818	2,409	7,814
3-Month Total	**6,670**	**6**	**6,676**	**9**	**6,685**	**17,307**	**3,369**	**20,677**	**4,737**	**25,414**	**8,106**	**25,415**
2024 3-Month Total	**6,674**	**6**	**6,680**	**8**	**6,689**	**16,711**	**3,215**	**19,927**	**4,523**	**24,449**	**7,738**	**24,443**
2023 3-Month Total	**6,670**	**6**	**6,676**	**8**	**6,684**	**16,701**	**3,155**	**19,857**	**4,345**	**24,202**	**7,500**	**24,193**

[a] Includes NAICS 22 electricity-only and CHP plants whose primary business is to sell electricity, or electricity and heat, to the public. Through 1988, data are for electric utilities only. For 1989 forward, data are for electric utilities and independent power producers.

[b] Energy consumed in the form that it is first accounted for, before any transformation to secondary or tertiary forms of energy. See "Primary Energy Consumption" in Glossary.

[c] Electricity sold to the sector. See "Electricity Sales to Ultimate Customers" in Glossary.

[d] Sum of "Primary" and "Electricity." See "End-Use Energy Consumption" in Glossary.

[e] Calculated as the difference between primary energy consumed by the electric power sector and the energy content of electricity sales to ultimate customers sent to the end-use sectors. Allocated proportionally to the electricity sales to ultimate customers in each end-use sector. See Note 1, "Electrical System Energy Losses," at end of section.

[f] Equal to end-use energy consumption plus electrical system energy losses.

[g] Equal to the sum of total energy consumption in the four end-use sectors, which does not equal total primary energy consumption due to the use of sector-specific conversion factors for coal and natural gas.

[h] Total primary energy consumption. See Table 1.3.

R=Revised.

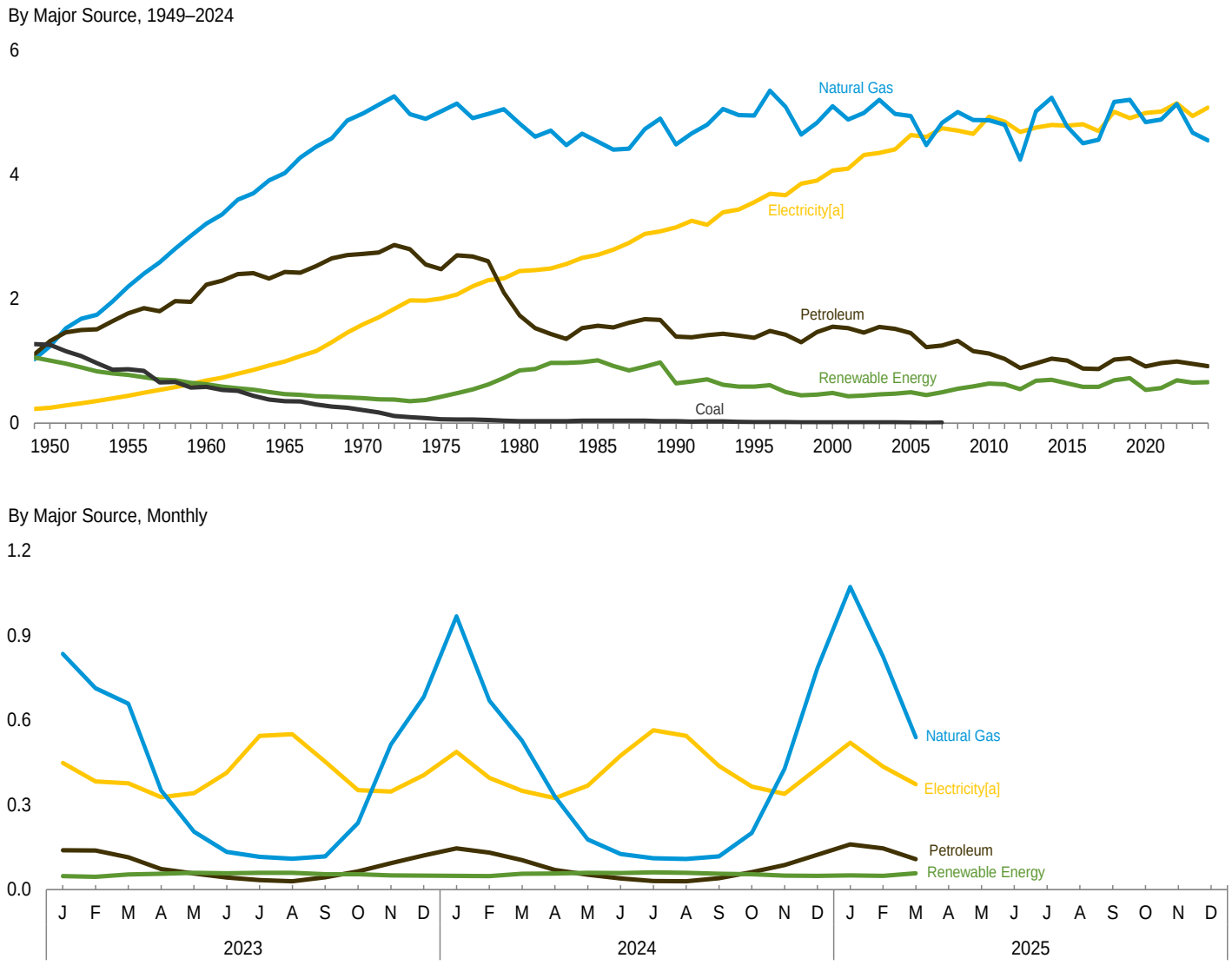
Notes: • Data are estimates, except for the electric power sector. • See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 2, "Other Energy Losses," at end of section. • See Note 3, "Energy Consumption Data and Surveys," at end of section. • Totals may 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. • **Primary Total:** Table 1.3.

Figure 2.2 Residential Sector Energy Consumption

(Quadrillion Btu)



[a] Electricity sales to ultimate customers.
Web Page: http://www.eia.gov/totalenergy/data/monthly/#consumption.
Source: Table 2.2.

Table 2.2 Residential Sector Energy Consumption

(Trillion Btu)

	End-Use Energy Consumption[a]												
	Primary Consumption[b]												
	Fossil Fuels				Renewable Energy[c]								
	Coal	Natural Gas[d]	Petro-leum	Total	Geo-thermal	Solar[e]	Bio-mass	Total	Total Primary	Elec-tricity[f]	Total End Use	Electrical System Energy Losses[g]	Total
1950 Total	1,261	1,240	1,322	3,824	NA	NA	1,006	1,006	4,830	246	5,076	661	5,736
1955 Total	867	2,198	1,767	4,833	NA	NA	775	775	5,608	438	6,046	990	7,036
1960 Total	585	3,212	2,228	6,025	NA	NA	627	627	6,651	687	7,339	1,387	8,726
1965 Total	352	4,028	2,432	6,812	NA	NA	468	468	7,280	993	8,273	1,950	10,223
1970 Total	209	4,987	2,726	7,922	NA	NA	401	401	8,323	1,591	9,914	3,264	13,178
1975 Total	63	5,023	2,479	7,565	NA	NA	425	425	7,990	2,007	9,997	4,103	14,100
1980 Total	31	4,825	1,734	6,590	NA	NA	850	850	7,440	2,448	9,888	5,194	15,082
1985 Total	39	4,534	1,566	6,139	NA	NA	1,010	1,010	7,149	2,709	9,858	5,486	15,344
1990 Total	31	4,487	1,395	5,912	6	55	580	640	6,552	3,153	9,705	6,501	16,206
1995 Total	17	4,954	1,374	6,345	7	63	520	589	6,934	3,557	10,491	7,256	17,747
2000 Total	11	5,105	1,554	6,670	9	57	420	486	7,156	4,069	11,225	8,507	19,732
2005 Total	8	4,946	1,450	6,405	16	49	430	495	6,901	4,638	11,538	9,340	20,879
2010 Total	NA	4,878	1,120	5,999	37	59	541	636	6,635	4,933	11,568	9,419	20,987
2011 Total	NA	4,805	1,034	5,838	40	62	524	626	6,465	4,855	11,319	8,967	20,286
2012 Total	NA	4,242	886	5,128	40	66	438	544	5,672	4,690	10,362	8,510	18,871
2013 Total	NA	5,023	963	5,986	40	72	572	683	6,669	4,759	11,428	8,554	19,983
2014 Total	NA	5,242	1,036	6,279	40	79	579	697	6,976	4,801	11,778	8,560	20,338
2015 Total	NA	4,777	1,007	5,784	40	87	513	639	6,423	4,791	11,214	8,306	19,520
2016 Total	NA	4,506	878	5,384	40	100	445	585	5,969	4,815	10,783	8,146	18,929
2017 Total	NA	4,564	871	5,436	40	113	430	582	6,018	4,704	10,722	7,751	18,473
2018 Total	NA	5,174	1,022	6,197	40	123	526	689	6,886	5,013	11,899	8,126	20,025
2019 Total	NA	5,208	1,045	6,253	40	136	547	723	6,976	4,914	11,890	7,686	19,577
2020 Total	NA	4,846	914	5,760	40	150	345	535	6,295	4,997	11,292	7,503	18,795
2021 Total	NA	4,889	967	5,856	40	167	357	564	6,420	5,017	11,437	7,564	19,002
2022 Total	NA	5,140	992	6,132	40	199	450	688	6,820	5,150	11,969	7,553	19,522
2023 January	NA	835	140	976	3	12	32	48	1,024	449	1,473	641	2,114
February	NA	714	139	853	3	14	29	46	899	383	1,282	509	1,790
March	NA	659	115	774	3	19	32	54	828	377	1,205	516	1,721
April	NA	352	73	425	3	21	31	56	481	328	809	432	1,241
May	NA	205	57	262	3	24	32	60	322	342	664	481	1,145
June	NA	134	43	177	3	23	31	58	235	414	649	618	1,267
July	NA	116	34	150	3	24	32	60	210	545	755	845	1,600
August	NA	110	30	140	3	24	32	60	199	551	750	827	1,577
September	NA	118	44	162	3	21	31	55	218	453	671	625	1,296
October	NA	236	65	301	3	19	32	55	356	353	709	489	1,198
November	NA	514	94	608	3	16	31	51	658	348	1,006	503	1,510
December	NA	683	121	804	3	14	32	50	855	406	1,260	606	1,867
Total	NA	4,677	955	5,632	40	231	382	653	6,285	4,947	11,232	7,077	18,310
2024 January	NA	968	146	1,113	3	15	30	49	1,162	488	1,649	751	2,400
February	NA	670	131	801	3	17	28	48	849	396	1,245	526	1,771
March	NA	527	105	632	3	22	30	56	687	350	1,038	467	1,505
April	NA	329	70	399	3	24	29	57	456	324	780	422	1,203
May	NA	178	53	231	3	26	30	60	291	368	659	521	1,180
June	NA	126	40	167	3	27	29	59	226	475	700	694	1,394
July	NA	111	31	142	3	27	30	61	203	565	768	844	1,612
August	NA	109	30	139	3	26	30	60	199	545	743	803	1,546
September	NA	118	41	159	3	23	29	56	214	438	652	606	1,259
October	NA	201	62	264	3	21	30	55	318	365	683	495	1,178
November	NA	428	87	514	3	17	29	50	564	339	903	493	1,396
December	NA	785	124	909	3	15	30	49	958	430	1,388	644	R2,031
Total	NA	4,551	918	5,469	40	260	358	658	6,127	5,083	11,209	7,244	18,453
2025 January	NA	1,072	160	1,231	3	16	31	51	1,282	521	1,803	799	2,602
February	NA	825	146	971	3	18	28	49	1,020	436	1,456	593	2,049
March	NA	540	108	648	3	24	31	58	706	373	1,078	485	1,564
3-Month Total	NA	2,437	413	2,850	10	58	90	158	3,008	1,329	4,337	1,877	6,214
2024 3-Month Total	NA	2,165	381	2,546	10	53	89	152	2,698	1,234	3,932	1,744	5,676
2023 3-Month Total	NA	2,209	394	2,603	10	45	94	149	2,751	1,208	3,960	1,665	5,625

[a] Sum of "Total Primary" and "Electricity." See "End-Use Energy Consumption" in Glossary.

[b] Energy consumed in the form that it is first accounted for, before any transformation to secondary or tertiary forms of energy. See "Primary Energy Consumption" in Glossary.

[c] See Table 10.2a for notes on series components.

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

[e] Includes small-scale solar photovoltaic (PV) electricity and solar thermal energy in the residential sector. See Tables 10.2a and 10.5.

[f] Electricity 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 sales to ultimate customers. Total losses are allocated to the end-use sectors in proportion to each sector's share of total electricity sales to ultimate customers. See Note 1, "Electrical System Energy Losses," at end of section.

R=Revised. NA=Not available.

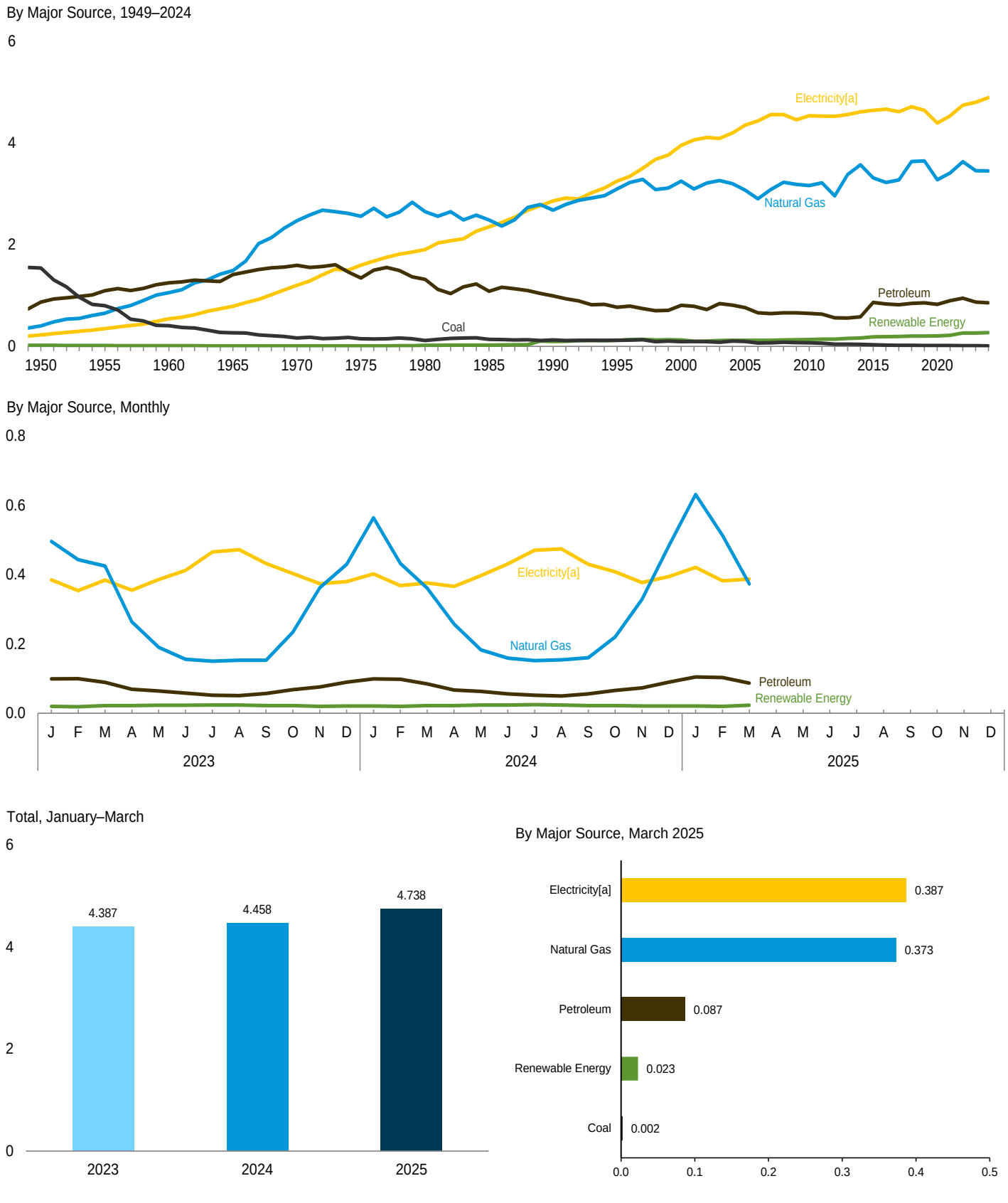
Notes: • Data are estimates, except for electricity sales to ultimate customers. • See Note 2, "Other Energy Losses," at end of section. • See Note 3, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage 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] Electricity sales to ultimate customers.
Web Page: http://www.eia.gov/totalenergy/data/monthly/#consumption.
Source: Table 2.3.

Table 2.3 Commercial Sector Energy Consumption

(Trillion Btu)

	End-Use Energy Consumption[a]														
	Primary Consumption[b]														
	Fossil Fuels				Renewable Energy[c]										
	Coal	Natural Gas[d]	Petro-leum[e]	Total	Hydro-electric Power[f]	Geo-thermal	Solar[g]	Wind	Bio-mass	Total	Total Primary	Elec-tricity[h]	Total End Use	Electrical System Energy Losses[i]	Total
1950 Total	1,542	401	872	2,815	NA	NA	NA	NA	19	19	2,834	225	3,059	604	3,663
1955 Total	801	651	1,095	2,547	NA	NA	NA	NA	15	15	2,561	350	2,911	791	3,702
1960 Total	407	1,056	1,248	2,711	NA	NA	NA	NA	12	12	2,723	543	3,266	1,096	4,362
1965 Total	265	1,490	1,413	3,168	NA	NA	NA	NA	9	9	3,177	789	3,966	1,549	5,514
1970 Total	165	2,473	1,592	4,229	NA	NA	NA	NA	8	8	4,237	1,201	5,438	2,464	7,902
1975 Total	147	2,558	1,346	4,051	NA	NA	NA	NA	8	8	4,059	1,598	5,657	3,267	8,924
1980 Total	115	2,651	1,318	4,084	NA	NA	NA	NA	21	21	4,105	1,906	6,011	4,044	10,055
1985 Total	137	2,488	1,083	3,708	NA	NA	NA	NA	24	24	3,732	2,351	6,084	4,762	10,845
1990 Total	124	2,680	991	3,795	(s)	3	(s)	–	94	97	3,892	2,860	6,753	5,898	12,650
1995 Total	117	3,096	769	3,982	(s)	5	(s)	–	113	118	4,099	3,252	7,352	6,634	13,985
2000 Total	92	3,252	807	4,150	(s)	8	(s)	–	119	127	4,277	3,956	8,233	8,271	16,504
2005 Total	97	3,073	761	3,931	(s)	14	1	–	105	120	4,051	4,351	8,401	8,762	17,163
2010 Total	70	3,165	647	3,881	(s)	19	4	(s)	111	134	4,014	4,539	8,553	8,666	17,219
2011 Total	62	3,216	632	3,910	(s)	20	7	(s)	115	141	4,051	4,531	8,583	8,370	16,952
2012 Total	44	2,960	560	3,563	(s)	20	11	(s)	108	139	3,702	4,528	8,230	8,216	16,446
2013 Total	41	3,380	558	3,979	(s)	20	15	(s)	120	155	4,134	4,562	8,696	8,200	16,897
2014 Total	40	3,572	578	4,190	(s)	20	19	(s)	124	163	4,353	4,614	8,966	8,226	17,192
2015 Total	31	3,316	864	4,211	(s)	20	21	(s)	146	187	4,398	4,643	9,040	8,050	17,090
2016 Total	24	3,224	832	4,079	1	20	23	(s)	148	191	4,270	4,665	8,935	7,893	16,828
2017 Total	21	3,273	820	4,113	1	20	28	(s)	146	195	4,309	4,616	8,925	7,606	16,530
2018 Total	19	3,638	845	4,502	1	20	35	1	146	203	4,705	4,715	9,419	7,643	17,062
2019 Total	17	3,647	857	4,521	1	21	40	1	139	201	4,722	4,643	9,365	7,263	16,628
2020 Total	15	3,279	827	4,120	1	21	46	1	137	205	4,325	4,393	8,718	6,595	15,313
2021 Total	15	3,409	898	4,322	1	21	54	1	139	215	4,537	4,533	9,070	6,834	15,904
2022 Total	14	3,635	947	4,596	1	20	63	1	180	263	4,860	4,746	9,605	6,961	16,566
2023 January	1	496	99	596	(s)	2	4	(s)	14	20	616	385	1,001	549	1,550
February	1	443	100	544	(s)	2	4	(s)	13	19	563	354	917	471	1,388
March	1	425	89	516	(s)	2	6	(s)	14	22	538	384	922	526	1,448
April	1	264	69	333	(s)	2	7	(s)	14	22	355	355	711	468	1,178
May	1	190	64	255	(s)	2	7	(s)	14	23	278	386	665	543	1,207
June	1	156	58	214	(s)	2	7	(s)	14	23	238	412	650	615	1,264
July	1	150	52	202	(s)	2	7	(s)	15	24	226	465	691	721	1,413
August	1	153	51	204	(s)	2	7	(s)	15	24	228	472	700	709	1,410
September	1	153	57	210	(s)	2	6	(s)	14	22	232	432	664	596	1,259
October	1	234	68	303	(s)	2	5	(s)	15	22	325	403	728	560	1,287
November	1	362	76	439	(s)	2	4	(s)	14	20	459	374	834	542	1,376
December	1	430	90	522	(s)	2	4	(s)	15	21	543	380	923	568	1,491
Total	12	3,455	872	4,338	1	20	69	(s)	172	263	4,601	4,804	9,405	6,873	16,278
2024 January	2	564	99	664	(s)	2	4	(s)	15	21	685	402	1,087	619	1,706
February	1	432	98	531	NM	2	5	(s)	13	20	551	368	919	488	1,406
March	1	361	85	447	(s)	2	7	(s)	14	22	469	376	845	501	1,346
April	1	257	67	325	(s)	2	7	(s)	13	22	347	366	713	477	1,191
May	(s)	183	63	246	NM	2	8	(s)	14	24	271	397	668	562	1,230
June	1	159	56	216	(s)	2	8	(s)	14	24	239	431	670	630	1,300
July	1	152	52	204	NM	2	8	(s)	15	25	229	470	700	703	1,402
August	1	154	50	205	(s)	2	8	(s)	14	24	229	474	703	699	1,402
September	1	160	56	216	(s)	2	7	(s)	13	22	239	430	668	595	1,263
October	1	220	R 66	288	NM	2	6	(s)	14	22	310	408	718	554	1,272
November	1	328	73	402	(s)	2	5	(s)	14	21	422	377	799	547	1,346
December	1	483	90	575	(s)	2	4	(s)	14	21	596	394	990	590	1,580
Total	10	3,453	855	4,318	1	20	79	1	169	269	4,587	4,893	9,480	6,973	16,453
2025 January	2	631	105	738	(s)	2	5	(s)	14	21	758	421	1,179	R 645	R 1,824
February	2	513	103	617	(s)	2	5	(s)	13	20	637	382	1,019	R 520	1,538
March	2	373	87	461	NM	2	7	(s)	14	23	485	387	871	503	1,375
3-Month Total	5	1,516	295	1,816	(s)	5	18	(s)	41	64	1,880	1,189	3,069	1,669	4,738
2024 3-Month Total	4	1,356	281	1,642	(s)	5	16	(s)	42	63	1,705	1,145	2,850	1,607	4,458
2023 3-Month Total	4	1,364	288	1,656	(s)	5	14	(s)	42	61	1,717	1,123	2,841	1,546	4,387

[a] Sum of "Total Primary" and "Electricity." See "End-Use Energy Consumption" in Glossary.

[b] Energy consumed in the form that it is first accounted for, before any transformation to secondary or tertiary forms of energy. See "Primary Energy Consumption" in Glossary.

[c] See Table 10.2a for notes on series components.

[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] Conventional hydroelectric power.

[g] Includes small-scale solar photovoltaic (PV) electricity and solar thermal energy in the commercial sector. See Tables 10.2a and 10.5.

[h] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

[i] Total losses are calculated as the primary energy consumed by the electric power sector minus the energy content of electricity sales to ultimate customers. Total losses are allocated to the end-use sectors in proportion to each sector's share of total electricity sales to ultimate customers. See Note 1, "Electrical System Energy Losses," at end of section.

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

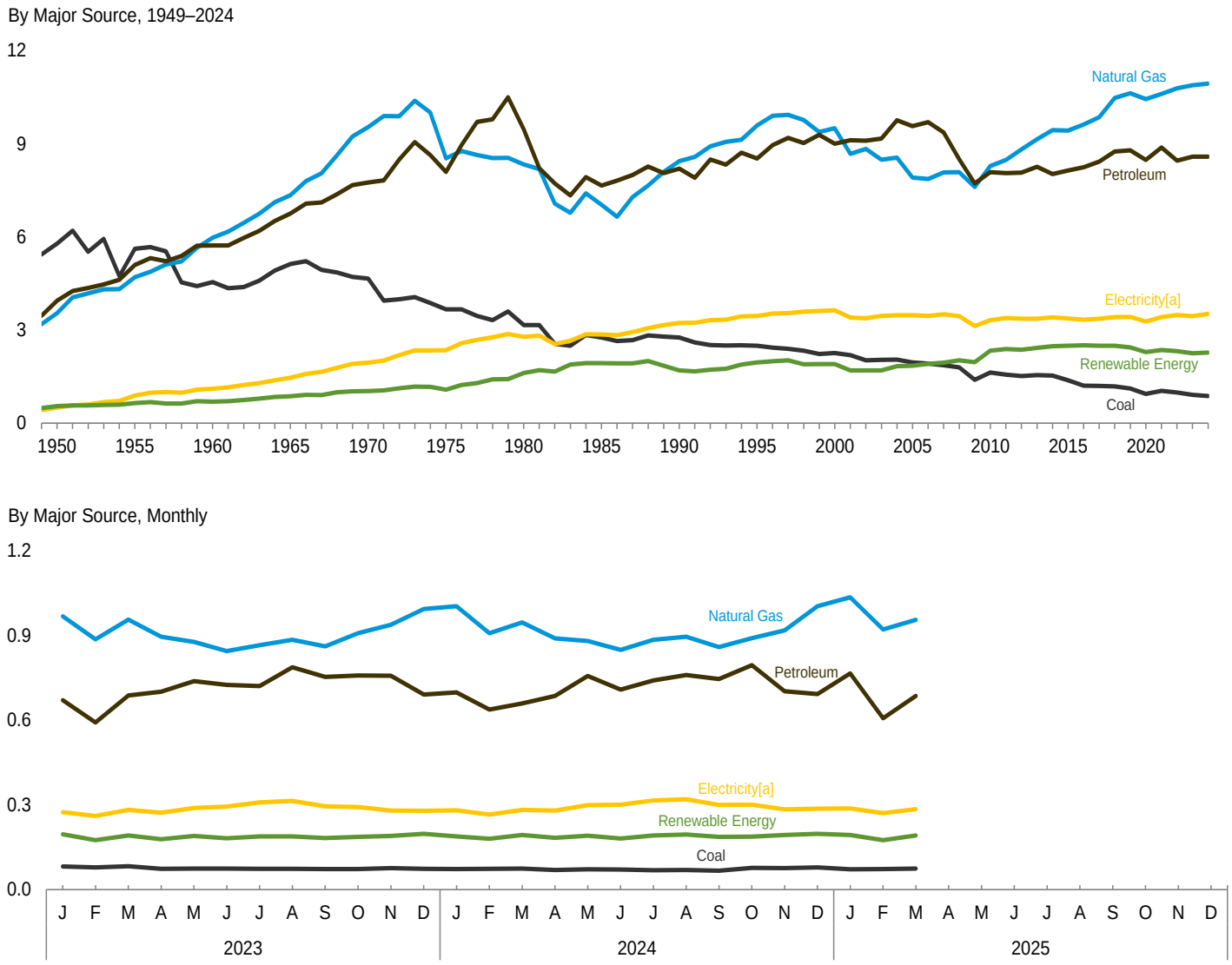
Notes: • Data are estimates, except for coal totals beginning in 2008; hydroelectric power; solar; wind; and electricity sales to ultimate customers beginning in 1979. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 2, "Other Energy Losses," at end of section. • See Note 3, "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] Electricity sales to ultimate customers.
Web Page: http://www.eia.gov/totalenergy/data/monthly/#consumption.
Source: Table 2.4.

Table 2.4 Industrial Sector Energy Consumption

(Trillion Btu)

	End-Use Energy Consumption[a]														
	Primary Consumption[b]														
	Fossil Fuels[c]				Renewable Energy[d]										
	Coal	Natural Gas[e]	Petroleum[f]	Total[g]	Hydroelectric Power[h]	Geothermal	Solar[i]	Wind	Biomass	Total	Total Primary	Electricity[j]	Total End Use	Electrical System Energy Losses[k]	Total
1950 Total	5,781	3,546	3,943	13,271	17	NA	NA	NA	532	549	13,820	500	14,319	1,340	15,659
1955 Total	5,620	4,701	5,093	15,404	11	NA	NA	NA	631	642	16,046	887	16,933	2,005	18,938
1960 Total	4,543	5,973	5,720	16,231	12	NA	NA	NA	680	692	16,923	1,107	18,030	2,234	20,264
1965 Total	5,127	7,339	6,750	19,197	11	NA	NA	NA	855	866	20,063	1,463	21,526	2,873	24,399
1970 Total	4,656	9,536	7,754	21,888	11	NA	NA	NA	1,019	1,030	22,918	1,948	24,866	3,995	28,862
1975 Total	3,667	8,532	8,092	20,304	11	NA	NA	NA	1,063	1,074	21,378	2,346	23,725	4,797	28,522
1980 Total	3,155	8,333	9,464	20,916	11	NA	NA	NA	1,600	1,611	22,527	2,781	25,308	5,900	31,209
1985 Total	2,760	7,032	7,656	17,434	11	NA	NA	NA	1,918	1,928	19,363	2,855	22,218	5,782	28,000
1990 Total	2,756	8,443	8,200	19,403	10	2	(s)	–	1,684	1,696	21,100	3,226	24,326	6,652	30,978
1995 Total	2,488	9,592	8,525	20,666	18	3	(s)	–	1,934	1,955	22,622	3,455	26,077	7,048	33,125
2000 Total	2,256	9,500	8,999	20,821	14	4	(s)	–	1,881	1,900	22,721	3,631	26,352	7,592	33,945
2005 Total	1,954	7,907	9,567	19,472	11	4	(s)	–	1,834	1,849	21,322	3,477	24,799	7,003	31,803
2010 Total	1,631	8,278	8,083	17,986	6	4	1	–	2,320	2,331	20,317	3,314	23,631	6,328	29,958
2011 Total	1,561	8,481	8,055	18,107	6	4	1	(s)	2,375	2,387	20,494	3,382	23,876	6,247	30,123
2012 Total	1,513	8,819	8,066	18,401	8	4	2	(s)	2,349	2,363	20,765	3,363	24,128	6,103	30,230
2013 Total	1,546	9,140	8,260	18,930	12	4	3	(s)	2,407	2,427	21,357	3,362	24,719	6,043	30,762
2014 Total	1,530	9,441	8,021	18,971	4	4	4	(s)	2,466	2,478	21,449	3,404	24,853	6,068	30,921
2015 Total	1,380	9,426	8,135	18,923	5	4	5	(s)	2,474	2,489	21,411	3,366	24,777	5,836	30,613
2016 Total	1,205	9,617	8,243	19,046	4	4	7	(s)	2,487	2,503	21,549	3,333	24,882	5,639	30,520
2017 Total	1,195	9,857	8,427	19,450	5	4	8	(s)	2,475	2,493	21,943	3,358	25,301	5,534	30,835
2018 Total	1,180	10,474	8,747	20,375	4	4	9	(s)	2,471	2,489	22,864	3,414	26,278	5,535	31,813
2019 Total	1,117	10,630	8,784	20,511	4	4	11	(s)	2,416	2,435	22,946	3,420	26,366	5,349	31,715
2020 Total	938	10,437	8,476	19,838	3	4	12	(s)	2,270	2,290	22,128	3,272	25,401	4,913	30,314
2021 Total	1,036	10,603	8,881	20,471	3	4	14	(s)	2,336	2,357	22,828	3,414	26,242	5,147	31,390
2022 Total	987	10,782	8,455	20,168	3	4	15	(s)	2,297	2,320	22,488	3,482	25,970	5,107	31,077
2023 January	82	968	671	1,718	(s)	(s)	1	(s)	194	196	1,914	274	2,188	391	2,579
February	79	887	592	1,556	(s)	(s)	1	(s)	173	175	1,731	261	1,992	347	2,339
March	83	957	688	1,727	(s)	(s)	1	(s)	189	192	1,918	283	2,201	387	2,588
April	74	896	701	1,670	(s)	(s)	2	(s)	177	179	1,850	273	2,123	360	2,482
May	75	878	739	1,689	(s)	(s)	2	(s)	188	190	1,879	289	2,168	406	2,574
June	75	845	725	1,643	(s)	(s)	2	(s)	180	182	1,825	294	2,119	439	2,558
July	74	866	721	1,657	(s)	(s)	2	(s)	187	189	1,846	309	2,155	479	2,634
August	74	885	788	1,744	(s)	(s)	2	(s)	187	189	1,933	314	2,247	472	2,719
September	73	862	754	1,684	(s)	(s)	1	(s)	181	183	1,867	295	2,162	407	2,569
October	73	908	759	1,739	(s)	(s)	1	(s)	186	187	1,926	293	2,219	407	2,626
November	76	938	758	1,770	(s)	(s)	1	(s)	189	190	1,960	280	2,240	405	2,646
December	74	994	691	1,754	(s)	(s)	1	(s)	197	198	1,952	279	2,230	416	2,646
Total	913	10,883	8,587	20,350	3	4	16	(s)	2,227	2,251	22,601	3,444	26,044	4,926	30,970
2024 January	73	1,004	699	1,775	(s)	(s)	1	(s)	187	189	1,964	281	2,245	433	2,678
February	74	908	638	1,618	(s)	(s)	1	(s)	178	180	1,798	266	2,064	353	2,418
March	75	947	660	1,678	(s)	(s)	2	(s)	192	194	1,872	283	2,155	377	2,532
April	70	890	686	1,642	(s)	(s)	2	(s)	181	184	1,826	280	2,106	365	2,471
May	72	881	757	1,707	(s)	(s)	2	(s)	188	191	1,898	299	2,197	424	2,621
June	71	849	709	1,624	(s)	(s)	2	(s)	179	181	1,805	301	2,106	440	2,547
July	69	885	741	1,693	(s)	(s)	2	(s)	189	192	1,884	316	2,201	473	2,673
August	70	896	760	1,722	(s)	(s)	2	(s)	193	195	1,917	320	2,237	471	2,708
September	67	859	746	1,669	(s)	(s)	2	(s)	184	187	1,856	300	2,156	415	2,570
October	77	891	795	1,762	(s)	(s)	1	(s)	186	188	1,950	301	2,251	409	2,660
November	76	918	703	1,695	(s)	(s)	1	(s)	192	194	1,888	284	2,172	413	2,585
December	79	1,004	693	1,772	(s)	(s)	1	(s)	196	198	1,970	287	2,257	429	2,686
Total	874	10,933	8,586	20,357	3	4	18	(s)	2,246	2,271	22,628	3,519	26,147	5,015	31,162
2025 January	72	1,036	766	R 1,873	(s)	(s)	1	(s)	192	194	2,066	288	2,355	442	2,797
February	73	922	607	1,601	(s)	(s)	1	(s)	173	175	R 1,776	271	R 2,047	R 369	2,415
March	75	956	686	1,715	(s)	(s)	2	(s)	190	192	1,907	285	2,192	371	2,564
3-Month Total	219	2,914	2,059	5,189	1	1	4	(s)	555	561	5,750	844	6,594	1,182	7,776
2024 3-Month Total	222	2,859	1,996	5,071	1	1	4	(s)	557	563	5,634	830	6,464	1,163	7,627
2023 3-Month Total	245	2,812	1,951	5,000	1	1	3	(s)	557	562	5,563	818	6,380	1,125	7,506

[a] Sum of "Total Primary" and "Electricity." See "End-Use Energy Consumption" in Glossary.

[b] Energy consumed in the form that it is first accounted for, before any transformation to secondary or tertiary forms of energy. See "Primary Energy Consumption" in Glossary.

[c] Includes non-combustion use of fossil fuels.

[d] See Table 10.2b for notes on series components and estimation.

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

[f] Does not include biofuels that have been blended with petroleum—biofuels are included in "Biomass."

[g] Includes coal coke net imports, which are not separately displayed. See Tables 1.4a and 1.4b.

[h] Conventional hydroelectric power.

[i] Includes both utility-scale and small-scale solar photovoltaic (PV) electricity net generation in the industrial sector. See Tables 10.2b and 10.5.

[j] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

[k] Total losses are calculated as the primary energy consumed by the electric power sector minus the energy content of electricity sales to ultimate customers. Total losses are allocated to the end-use sectors in proportion to each sector's share of total electricity sales to ultimate customers. 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.

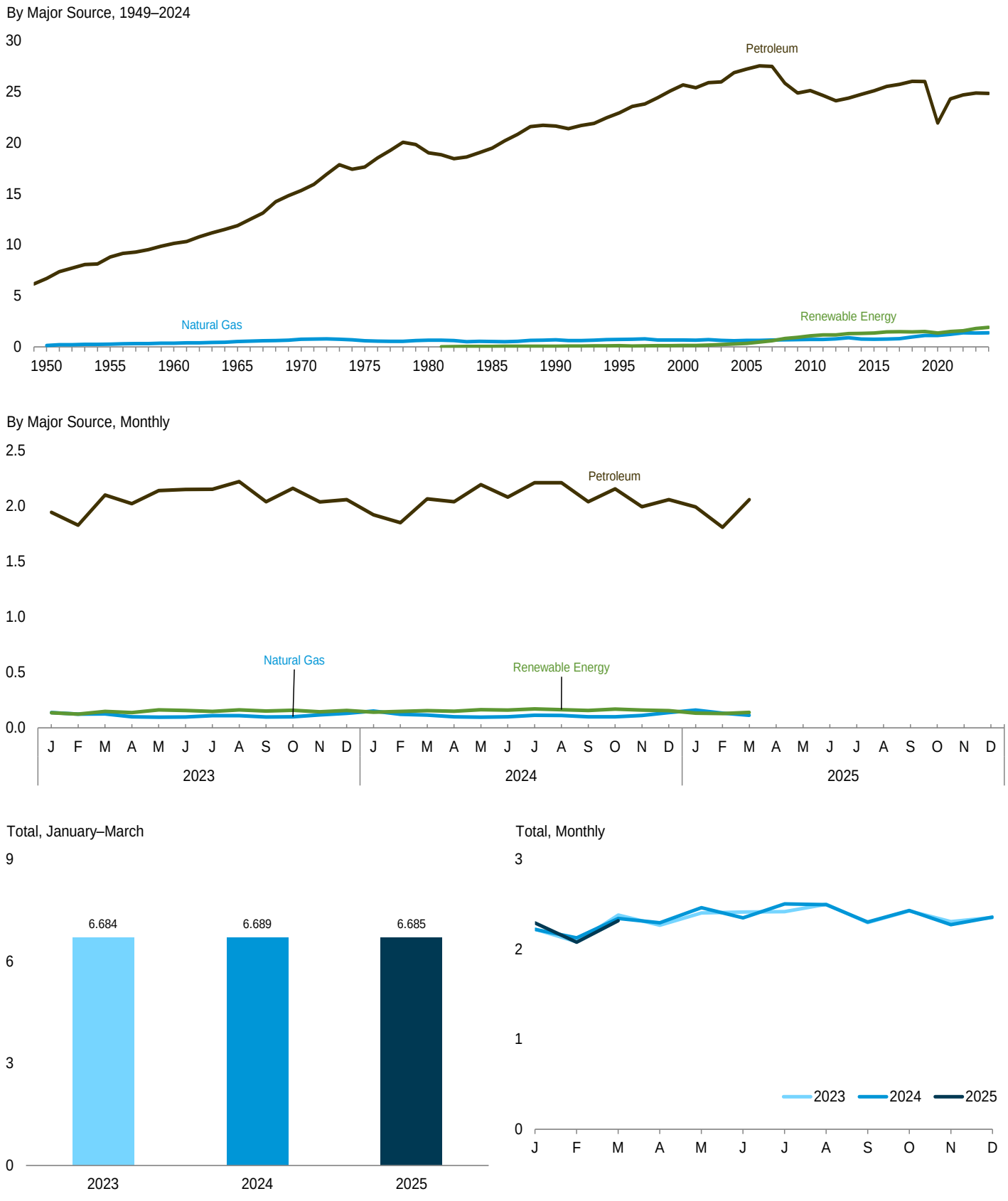
Notes: • Data are estimates, except for coal totals; hydroelectric power in 1949–1978 and 1989 forward; solar; wind; and electricity sales to ultimate customers. • The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 7. • See Note 2, "Other Energy Losses," at end of section. • See Note 3, "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)

	End-Use Energy Consumption[a]									
	Primary Consumption[b]									
	Fossil Fuels				Renewable Energy[c]					
	Coal	Natural Gas[d]	Petroleum[e]	Total	Biomass	Total Primary	Electricity[f]	Total End Use	Electrical System Energy Losses[g]	Total
1950 Total	1,564	130	6,690	8,383	NA	8,383	23	8,407	62	8,469
1955 Total	421	254	8,799	9,474	NA	9,474	20	9,494	45	9,539
1960 Total	75	359	10,125	10,560	NA	10,560	10	10,570	21	10,591
1965 Total	16	517	11,866	12,399	NA	12,399	10	12,409	20	12,428
1970 Total	7	745	15,311	16,062	NA	16,062	11	16,073	22	16,094
1975 Total	1	595	17,615	18,211	NA	18,211	10	18,221	21	18,241
1980 Total	(h)	650	19,009	19,659	NA	19,659	11	19,670	23	19,694
1985 Total	(h)	519	19,472	19,992	50	20,042	14	20,056	29	20,084
1990 Total	(h)	679	21,626	22,305	60	22,366	16	22,382	33	22,415
1995 Total	(h)	724	22,920	23,644	112	23,757	17	23,774	35	23,808
2000 Total	(h)	672	25,649	26,321	135	26,456	18	26,474	38	26,512
2005 Total	(h)	624	27,217	27,840	339	28,179	26	28,205	52	28,257
2010 Total	(h)	719	25,100	25,819	1,075	26,894	26	26,920	50	26,970
2011 Total	(h)	734	24,623	25,357	1,166	26,523	26	26,549	48	26,598
2012 Total	(h)	780	24,108	24,888	1,169	26,057	25	26,082	45	26,127
2013 Total	(h)	887	24,361	25,248	1,292	26,541	26	26,567	47	26,614
2014 Total	(h)	760	24,728	25,487	1,314	26,802	26	26,828	47	26,875
2015 Total	(h)	745	25,086	25,831	1,351	27,182	26	27,208	45	27,253
2016 Total	(h)	757	25,515	26,272	1,469	27,741	26	27,767	43	27,810
2017 Total	(h)	799	25,707	26,506	1,474	27,980	26	28,005	42	28,048
2018 Total	(h)	962	26,017	26,979	1,456	28,435	26	28,461	42	28,504
2019 Total	(h)	1,114	25,992	27,106	1,497	28,603	26	28,629	41	28,670
2020 Total	(h)	1,111	21,930	23,041	1,355	24,397	22	24,419	34	24,453
2021 Total	(h)	1,232	24,292	25,524	1,496	27,020	22	27,041	33	27,074
2022 Total	(h)	1,367	24,681	26,048	1,573	27,621	23	27,643	33	27,676
2023 January	(h)	138	1,944	2,082	136	2,218	2	2,220	3	2,223
February	(h)	124	1,829	1,953	124	2,077	2	2,079	3	2,081
March	(h)	126	2,100	2,226	149	2,375	2	2,377	3	2,380
April	(h)	101	2,022	2,123	139	2,262	2	2,263	2	2,266
May	(h)	96	2,141	2,237	162	2,399	2	2,400	3	2,403
June	(h)	98	2,151	2,250	158	2,408	2	2,410	3	2,413
July	(h)	111	2,152	2,263	149	2,412	2	2,414	3	2,417
August	(h)	111	2,222	2,333	162	2,495	2	2,497	3	2,500
September	(h)	99	2,040	2,139	152	2,291	2	2,293	3	2,296
October	(h)	101	2,161	2,262	159	2,421	2	2,423	3	2,426
November	(h)	118	2,038	2,156	146	2,302	2	2,304	3	2,306
December	(h)	132	2,059	2,191	157	2,348	2	2,350	3	2,353
Total	(h)	1,356	24,859	26,214	1,792	28,006	23	28,030	34	28,063
2024 January	(h)	153	1,922	2,075	141	2,215	2	2,217	3	2,221
February	(h)	122	1,850	1,973	149	2,122	2	2,124	2	2,126
March	(h)	116	2,065	2,181	156	2,337	2	2,339	3	2,342
April	(h)	100	2,040	2,140	150	2,290	2	2,292	2	2,294
May	(h)	97	2,194	2,292	165	2,457	2	2,459	3	2,462
June	(h)	101	2,082	2,183	161	2,343	2	2,345	3	2,348
July	(h)	114	2,212	2,326	172	2,498	2	2,500	3	2,504
August	(h)	113	2,212	2,324	165	2,490	2	2,492	3	2,495
September	(h)	101	2,039	2,139	158	2,297	2	2,299	3	2,302
October	(h)	101	2,156	2,257	169	2,426	2	2,427	3	2,430
November	(h)	112	1,995	2,107	160	2,267	2	2,269	3	2,272
December	(h)	138	2,058	2,196	155	2,351	2	2,353	3	2,356
Total	(h)	1,367	24,825	26,192	1,901	28,093	24	28,117	34	28,151
2025 January	(h)	160	1,993	2,153	133	2,286	2	2,288	3	2,291
February	(h)	133	R 1,810	1,943	130	2,073	2	R 2,075	3	2,078
March	(h)	114	2,058	2,171	140	2,311	2	2,313	3	2,316
3-Month Total	(h)	407	5,861	6,268	402	6,670	6	6,676	9	6,685
2024 3-Month Total	(h)	391	5,838	6,228	446	6,674	6	6,680	8	6,689
2023 3-Month Total	(h)	388	5,873	6,261	409	6,670	6	6,676	8	6,684

[a] Sum of "Total Primary" and "Electricity." See "End-Use Energy Consumption" in Glossary.

[b] Energy consumed in the form that it is first accounted for, before any transformation to secondary or tertiary forms of energy. See "Primary Energy Consumption" in Glossary.

[c] See Table 10.2c for notes on series components.

[d] Natural gas consumed in the operation of pipelines and smaller amounts consumed as vehicle fuel. Does not include supplemental gaseous fuels—see Note 3, "Supplemental Gaseous Fuels," at end of Section 4.

[e] Does not include biofuels. Biofuels are included in "Biomass." Includes non-combustion use of lubricants.

[f] Electricity 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 sales to ultimate customers. Total losses are allocated to the end-use sectors in proportion to each sector's share of total electricity sales to ultimate customers. See Note 1, "Electrical System Energy Losses," at end of section.

[h] Beginning in 1978, the small amounts of coal consumed for transportation are reported as industrial sector consumption.

R=Revised. NA=Not available.

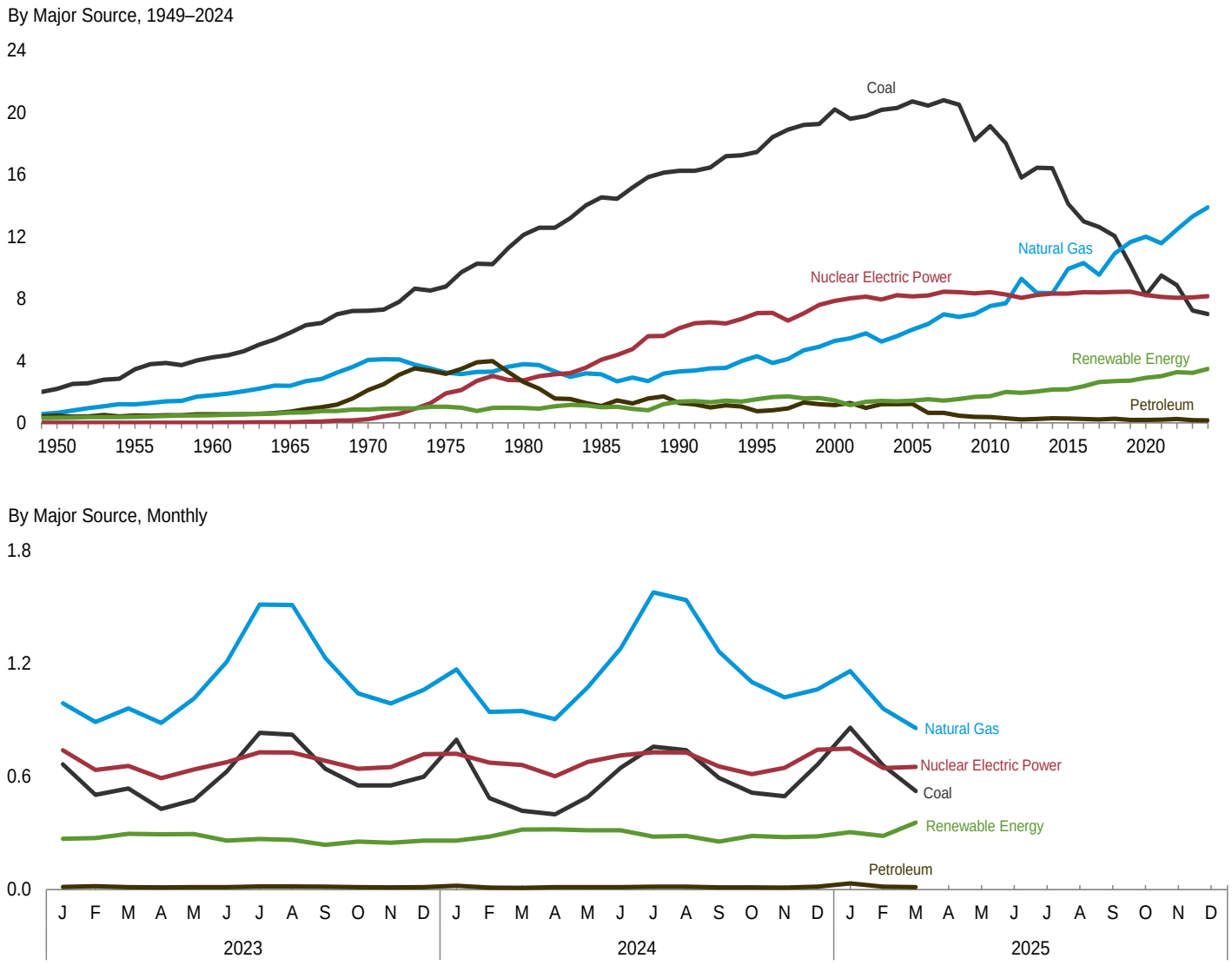
Notes: • Data are estimates, except for coal totals through 1977; and electricity sales to ultimate customers beginning in 1979. • See Note 2, "Other Energy Losses," at end of section. • See Note 3, "Energy Consumption Data and Surveys," at end of section. • Totals may not equal sum of components due 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				Nuclear Electric Power	Renewable Energy[b]						Electricity Net Imports[f]	Total Primary
	Coal	Natural Gas[c]	Petroleum	Total		Hydroelectric Power[d]	Geothermal	Solar[e]	Wind	Biomass	Total		
1950 Total	**2,199**	**651**	**472**	**3,322**	**0**	**327**	**NA**	**NA**	**NA**	**5**	**333**	**6**	**3,661**
1955 Total	**3,458**	**1,194**	**471**	**5,123**	**0**	**385**	**NA**	**NA**	**NA**	**3**	**389**	**14**	**5,525**
1960 Total	**4,228**	**1,785**	**553**	**6,565**	**6**	**498**	**(s)**	**NA**	**NA**	**2**	**499**	**15**	**7,086**
1965 Total	**5,821**	**2,395**	**722**	**8,938**	**43**	**661**	**1**	**NA**	**NA**	**3**	**665**	**(s)**	**9,646**
1970 Total	**7,227**	**4,054**	**2,117**	**13,399**	**239**	**845**	**2**	**NA**	**NA**	**4**	**851**	**7**	**14,495**
1975 Total	**8,786**	**3,240**	**3,166**	**15,191**	**1,900**	**1,024**	**11**	**NA**	**NA**	**2**	**1,037**	**21**	**18,149**
1980 Total	**12,123**	**3,778**	**2,634**	**18,534**	**2,739**	**942**	**17**	**NA**	**NA**	**4**	**964**	**71**	**22,309**
1985 Total	**14,542**	**3,135**	**1,090**	**18,767**	**4,076**	**959**	**32**	**(s)**	**(s)**	**14**	**1,006**	**140**	**23,988**
1990 Total	**16,261**	**3,309**	**1,289**	**20,859**	**6,104**	**989**	**53**	**1**	**10**	**317**	**1,369**	**8**	**[g]28,340**
1995 Total	**17,466**	**4,302**	**755**	**22,523**	**7,075**	**1,042**	**46**	**2**	**11**	**422**	**1,522**	**134**	**31,254**
2000 Total	**20,220**	**5,293**	**1,144**	**26,658**	**7,862**	**926**	**48**	**2**	**19**	**453**	**1,447**	**115**	**36,083**
2005 Total	**20,737**	**6,015**	**1,222**	**27,974**	**8,161**	**911**	**50**	**2**	**61**	**406**	**1,430**	**85**	**37,649**
2010 Total	**19,133**	**7,528**	**370**	**27,031**	**8,434**	**882**	**52**	**4**	**323**	**459**	**1,720**	**89**	**37,275**
2011 Total	**18,035**	**7,712**	**295**	**26,042**	**8,269**	**1,083**	**52**	**6**	**410**	**437**	**1,988**	**127**	**36,426**
2012 Total	**15,821**	**9,287**	**214**	**25,322**	**8,062**	**934**	**53**	**14**	**480**	**453**	**1,935**	**161**	**35,480**
2013 Total	**16,451**	**8,376**	**255**	**25,082**	**8,244**	**904**	**54**	**30**	**572**	**470**	**2,030**	**197**	**35,554**
2014 Total	**16,427**	**8,362**	**295**	**25,085**	**8,338**	**880**	**54**	**59**	**619**	**530**	**2,143**	**182**	**35,747**
2015 Total	**14,138**	**9,926**	**276**	**24,341**	**8,337**	**845**	**54**	**83**	**650**	**525**	**2,158**	**227**	**35,063**
2016 Total	**12,996**	**10,301**	**244**	**23,542**	**8,427**	**909**	**54**	**121**	**774**	**505**	**2,363**	**227**	**34,558**
2017 Total	**12,622**	**9,555**	**218**	**22,395**	**8,419**	**1,019**	**54**	**180**	**867**	**510**	**2,630**	**192**	**33,636**
2018 Total	**12,053**	**10,922**	**260**	**23,235**	**8,438**	**993**	**54**	**216**	**929**	**496**	**2,689**	**152**	**34,514**
2019 Total	**10,181**	**11,658**	**189**	**22,028**	**8,452**	**978**	**51**	**243**	**1,009**	**448**	**2,729**	**133**	**33,343**
2020 Total	**8,229**	**12,000**	**184**	**20,413**	**8,251**	**969**	**53**	**302**	**1,152**	**428**	**2,904**	**161**	**31,730**
2021 Total	**9,498**	**11,583**	**205**	**21,285**	**8,131**	**854**	**53**	**391**	**1,289**	**426**	**3,014**	**134**	**32,564**
2022 Total	**8,885**	**12,459**	**244**	**21,589**	**8,061**	**865**	**55**	**487**	**1,481**	**374**	**3,263**	**141**	**33,053**
2023 January	666	991	15	1,672	741	77	5	26	131	32	271	11	2,695
February	504	891	18	1,413	636	68	4	32	141	28	274	7	2,329
March	538	963	13	1,514	657	72	5	41	149	30	297	9	2,477
April	429	886	12	1,328	592	67	5	51	146	25	294	7	2,220
May	477	1,016	14	1,508	639	94	5	59	110	28	295	9	2,451
June	628	1,210	14	1,852	677	73	4	61	94	29	261	6	2,796
July	833	1,515	17	2,365	730	75	4	64	96	30	269	4	3,369
August	823	1,512	17	2,352	729	72	4	60	97	30	264	5	3,350
September	642	1,232	16	1,889	685	57	4	53	97	26	238	(s)	2,813
October	554	1,043	14	1,611	642	53	5	48	123	26	255	1	2,509
November	554	990	12	1,555	651	58	5	35	124	27	249	2	2,457
December	600	1,062	14	1,676	720	65	5	31	130	30	260	5	2,660
Total	**7,247**	**13,314**	**176**	**20,737**	**8,099**	**832**	**56**	**562**	**1,436**	**342**	**3,228**	**65**	**32,128**
2024 January	797	1,171	21	1,989	722	74	5	33	119	30	261	6	2,978
February	487	945	11	1,443	675	68	4	42	142	25	282	1	2,401
March	419	950	10	1,379	662	79	4	54	156	26	319	-1	2,359
April	400	906	13	1,318	602	66	5	65	162	24	320	-2	2,240
May	493	1,076	13	1,582	679	77	4	75	132	27	316	(s)	2,577
June	647	1,281	14	1,942	713	72	4	82	130	27	316	5	2,976
July	760	1,580	16	2,356	730	72	5	82	95	28	282	8	3,377
August	741	1,538	16	2,295	729	73	4	82	98	29	285	7	3,316
September	594	1,265	12	1,871	655	57	4	69	99	26	255	7	2,788
October	515	1,103	12	1,630	614	54	4	66	137	24	285	6	2,536
November	497	1,022	11	1,530	647	62	4	47	140	25	279	2	2,457
December	665	1,064	16	1,746	744	69	5	44	138	27	283	7	2,779
Total	**7,015**	**13,900**	**166**	**21,081**	**8,173**	**822**	**53**	**741**	**1,546**	**319**	**3,482**	**47**	**32,784**
2025 January	861	1,162	34	2,057	750	72	5	52	149	28	306	10	[R]3,122
February	660	962	16	1,638	646	66	4	56	134	25	285	[R]6	[R]2,575
March	524	858	13	1,396	653	75	5	78	173	26	357	3	2,409
3-Month Total	**2,046**	**2,982**	**63**	**5,090**	**2,049**	**212**	**14**	**186**	**456**	**80**	**948**	**19**	**8,106**
2024 3-Month Total	**1,704**	**3,066**	**42**	**4,811**	**2,059**	**222**	**14**	**129**	**416**	**81**	**863**	**5**	**7,738**
2023 3-Month Total	**1,708**	**2,846**	**46**	**4,599**	**2,033**	**217**	**14**	**100**	**421**	**90**	**842**	**27**	**7,500**

[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.

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 3, "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	DHS[b]	Energy	GSA[c]	HHS[d]	Interior	Justice	NASA[e]	Postal Service	Trans-portation	Veterans Affairs	Other[f]	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	18.3	31.9	18.5	10.1	7.3	22.7	10.8	50.9	5.5	30.6	22.7	1,132.3
2004	7.0	960.7	23.5	31.4	18.3	8.8	8.7	17.5	9.9	50.5	5.2	29.9	20.4	1,191.7
2005	7.5	933.2	18.9	29.6	18.4	9.6	8.6	18.8	10.3	53.5	5.0	30.0	23.2	1,166.4
2006	6.8	843.7	17.1	32.9	18.2	9.3	8.1	23.5	10.2	51.8	4.6	29.3	20.9	1,076.4
2007	6.8	864.6	17.1	31.5	19.1	9.9	7.5	20.7	10.6	45.8	5.6	30.0	21.0	1,090.2
2008	6.5	910.8	22.0	32.1	18.8	10.3	7.1	19.0	10.8	47.1	7.7	29.0	22.4	1,143.4
2009	6.6	874.3	18.6	31.1	18.6	10.8	7.9	16.5	10.2	44.2	4.3	29.9	21.8	1,094.8
2010	6.8	889.9	21.2	31.7	18.8	10.4	7.3	15.7	10.1	43.3	5.7	30.2	21.8	1,112.7
2011	8.3	890.3	20.3	33.1	18.5	10.5	7.3	13.9	10.1	43.0	6.7	30.6	21.4	1,114.1
2012	6.7	828.5	20.1	30.3	16.3	10.0	6.7	15.1	8.9	40.8	5.6	29.7	20.5	1,039.3
2013	7.3	749.5	18.9	28.9	16.4	10.5	6.2	15.3	8.7	41.9	6.2	29.9	20.4	960.1
2014	6.3	730.6	18.5	29.4	17.0	9.5	6.2	15.6	8.3	43.0	6.3	31.4	20.6	942.6
2015	6.2	734.5	17.9	30.1	16.3	9.0	6.8	16.2	8.4	44.0	6.0	30.7	19.8	945.8
2016	6.2	709.2	18.1	28.9	15.8	8.7	6.4	15.6	8.5	43.9	6.0	30.3	19.5	917.2
2017	6.3	707.9	19.2	28.8	15.0	8.8	5.9	15.5	8.6	43.7	6.6	29.1	19.7	915.1
2018	6.1	690.6	16.8	27.3	15.6	10.0	6.1	16.2	8.4	45.5	7.0	29.7	18.8	898.2
2019	5.9	682.1	16.2	27.2	15.4	9.8	6.2	15.8	8.5	46.0	7.1	31.9	19.1	891.2
2020	5.4	648.8	17.1	26.4	14.4	9.5	5.5	14.6	8.1	46.1	6.4	30.6	17.0	850.0
2021	6.4	650.7	15.9	27.5	13.2	9.1	5.4	14.5	8.1	45.5	6.8	30.3	17.6	851.0
2022	8.0	622.5	16.5	26.3	12.8	9.6	6.3	14.5	8.5	48.3	6.6	30.8	17.2	827.6
2023	7.9	605.1	15.8	27.8	12.7	9.6	5.8	14.0	7.9	48.4	8.8	30.8	17.1	811.8

[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] U.S. Department of Homeland Security.

[c] General Services Administration.

[d] U.S. Department of Health and Human Services.

[e] National Aeronautics and Space Administration.

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

– – =Not applicable.

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.

Sources: 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)".

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	196.2	17.9	1,143.4
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	140.8	424.0	1.9	46.6	614.0	2.8	184.7	21.8	960.1
2014	13.5	125.6	.3	134.6	414.3	1.8	44.9	595.9	3.6	182.1	21.9	942.6
2015	12.6	122.2	.3	135.0	418.9	1.8	46.8	602.8	3.0	184.3	20.9	945.8
2016	10.2	115.4	.3	130.5	403.9	1.7	46.5	583.0	2.7	184.5	21.4	917.2
2017	9.1	115.1	.3	135.1	400.1	1.5	46.4	583.5	2.7	181.7	23.0	915.1
2018	6.2	125.8	.3	129.4	383.2	1.7	45.5	560.0	2.6	180.0	23.6	898.2
2019	5.0	131.7	.3	127.2	376.8	1.9	46.6	552.8	2.1	178.2	21.5	891.2
2020	5.2	128.3	.2	131.0	345.0	1.7	43.3	521.3	1.2	173.7	20.3	850.0
2021	5.3	128.4	.4	123.9	352.0	1.7	44.6	522.6	1.3	173.2	20.3	851.0
2022	3.5	128.3	.2	127.9	326.9	1.6	44.4	501.1	1.2	172.1	21.6	827.6
2023	4.0	131.7	.2	125.5	311.4	1.8	46.7	485.5	1.1	170.3	19.3	811.8

[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.

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.

Sources: 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)".

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 sales to ultimate customers (see Tables 7.6 and A6). Most of these losses are from the conversion of heat energy into mechanical energy to turn electric generators at fossil fuel, biomass, and nuclear plants. These losses are a necessary feature of the thermodynamic cycles of these power plants (steam-electric, gas-electric, and combined-cycle). Overall, about two thirds of total energy input is lost in conversion. 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. Currently, of electricity generated, approximately 5% is lost in plant use and 7% is lost in transmission and distribution. Total losses are allocated to the end-use sectors in proportion to each sector's share of total electricity sales.

Note 2. Other Energy Losses. Similar to electrical system energy losses, there are also other energy losses from energy consumption not separately identified. There are losses in the production of energy, the transformation of one form of energy to another form of energy, and the distribution and use of energy. For example, there are transformation losses in the process of refining crude oil into usable petroleum products, processing natural gas into marketable dry gas, and in the process of converting energy from the sun into usable energy with solar panels. All uses of primary energy have efficiency losses, usually in the form of heat, when energy is converted to do useful work. Examples include when motor gasoline is burned to move vehicles, when natural gas is burned to heat homes, or in any household appliance that uses electricity. The Lawrence Livermore National Laboratory estimates primary energy losses by end-use sector by applying an end-use efficiency factor to EIA's *Monthly Energy Review* consumption data. https://flowcharts.llnl.gov/.

Note 3. 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 Sales to Ultimate Customers
1949 forward: Residential sector electricity sales to ultimate customers from Table 7.6 are converted to Btu by multiplying by the electricity heat content factor in Table A6.

End-Use Energy Consumption
1949 forward: Residential sector end-use energy consumption is the sum of residential sector total primary energy consumption and residential sector electricity sales to ultimate customers.

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 sales to ultimate customers 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 sales to ultimate customers 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 sales to ultimate customers, 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 Sales to Ultimate Customers
1949 forward: Commercial sector electricity sales to ultimate customers from Table 7.6 are converted to Btu by multiplying by the electricity heat content factor in Table A6.

End-Use Energy Consumption
1949 forward: Commercial sector end-use energy consumption is the sum of commercial sector total primary energy consumption and commercial sector electricity sales to ultimate customers.

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 sales to ultimate customers 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 sales to ultimate customers 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 sales to ultimate customers, 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 Sales to Ultimate Customers
1949 forward: Industrial sector electricity sales to ultimate customers from Table 7.6 are converted to Btu by multiplying by the electricity heat content factor in Table A6.

End-Use Energy Consumption
1949 forward: Industrial sector end-use energy consumption is the sum of industrial sector total primary energy consumption and residential sector electricity sales to ultimate customers.

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 sales to ultimate customers 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 sales to ultimate customers 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 sales to ultimate customers, 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.

2009–2011: 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 biodiesel consumption, calculated using biodiesel data from U.S. Energy Information Administration (EIA), EIA-22M, "Monthly Biodiesel Production Survey"; and biomass-based diesel fuel data from EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," and EIA-815, "Monthly Bulk Terminal and Blender Report" (the data are converted to Btu by multiplying by the biodiesel heat content factor in Table A1); minus renewable diesel fuel and other biofuels refinery and blender net inputs, calculated using "other renewable diesel fuel" and "other renewable fuels" data from EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report" (the data are converted to Btu by multiplying by the heat content factors for renewable diesel fuel and other biofuels in Table A1).

2012–2020: 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 biodiesel consumption from Table 10.4; minus renewable diesel fuel and other biofuels refinery and blender net inputs, calculated using "other renewable diesel fuel" and "other renewable fuels" data from EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report" (the data are converted to Btu by multiplying by the heat content factors for renewable diesel fuel and other biofuels in Table A1).

2021 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 biodiesel, renewable diesel fuel, and other biofuels refinery and

blender net inputs and products supplied, calculated using “biofuels except fuel ethanol“ refinery and blender net inputs and products supplied from U.S. Energy Information Administration (EIA), *Petroleum Supply Annual* and *Petroleum Supply Monthly* (data are converted to Btu by multiplying by the appropriate heat content factors 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 Sales to Ultimate Customers

1949 forward: Transportation sector electricity sales to ultimate customers from Table 7.6 are converted to Btu by multiplying by the electricity heat content factor in Table A6.

End-Use Energy Consumption

1949 forward: Transportation sector end-use energy consumption is the sum of transportation sector total primary energy consumption and residential sector electricity sales to ultimate customers.

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 sales to ultimate customers 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 sales to ultimate customers 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 sales to ultimate customers, 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.