Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2022, Ohio

Total   Multing   Published   Multing   Mult				Petroleum								Biomass							
Thousand   Billion   Cubic feet   Thousand barrels   Thousand barrel		Coal			HGL <sup>©</sup>				Other <sup>f</sup>	Total						Electricity		Electrical	
1970   31,542   1,502   33,677   67,712   5,6877   106,208   5,748   34,208   248,215   0         12,116         12,116         12,116         12,117           12,117             12,117               12,117	Year		-			1	housand barrels	3			kilowatt-	and	and co-		Solar <sup>h,k</sup>	kilowatt-	End use h,m	energy	Total h,m
1980   16,377   692   47,190   44,283   7,219   110,222   6,313   29,969   248,215   0     112,111       112,111																			
1990   10,557   745   37,128   10,994   10,602   110,467   1,500   29,009   199,740   0											-								
2006 4.512 881 48,002 11,961 18,665 12,267 1.498 31,677 233,110 0 166,185 160,173																			
2006   4,219   788   22,825   13,308   18,815   124,698   1,424   28,824   237,723   0											-								
2006   4,421   769   57,288   9,022   18,145   12,416   909   30,614   24,0064   0       161,771       182,020   20,008   4,411   769   53,211   8,002   17,989   12,185   1,258   30,532   22,122   0       148,348       148,348       148,348       148,348       148,348       148,348       148,348       182,477     182,477     182,477     182,477     182,477     182,477       182,477       182,477       182,477       182,477         182,477         182,477         182,477         182,477         182,477         182,477         182,477           182,477           182,477             182,477                 182,477											0								
2008   4.491   769   53.211   8.032   17.988   121.561   1.258   30.532   232.591   0         159.389         159.389           159.389           159.389             159.389											-								
2009   3,782   703   47,720   8,986   12,744   120,531   738   25,535   216,221   0       146,300       146,200       146,200         146,200         146,200         146,200         146,200         146,200           146,200           146,200             146,200																			
2010 4,815 726 50,808 9,583 5,758 120,925 659 22,456 20,0188 0 154,746 154,746 154,746 154,746 154,746 140,8073 4,711 117,267 197 22,276 201,974 0 154,746 154,746 154,746 154,746 140,80 73 4,711 117,267 197 22,276 201,974 0 154,746 154,746 154,746 154,746 140,80 73 4,711 117,267 197 22,276 201,974 0 154,746 154,74											-								
2011 4,633 731 51,250 9,706 5,545 117,627 48,88 21,756 206,375 0 154,746 152,457											-								
2013 5,119 751 50,476 8,860 4,698 118,699 511 21,876 205,080 0 150,307 140,213 140,213 140,213 140,213 140,213 140,213 150,307 140,213 150,307 140,213 140,213 140,213 140,213 140,213 140,213 140,213 140,213 140,213 140,213 140,213 140,213 140,213 140,213 140,213 140,213 140,213 140,213											0								
2014   5,167   827   82,502   8,538   5,143   118,576   833   20,955   207,067   0       150,680       2016   4,064   716   49,952   8,499   6,105   121,924   612   723,144   7210,534   0       150,598       150,598       150,598       150,598       150,598       150,598       150,598       150,598     150,598											-								
2015 4,708 758 52,000 8,649 5,584 120,598 430 22,125 209,777 0 149,213 12017 3,915 741 50,764 8,849 5,459 121,825 410 122,2217 120,854 0 160,598											-								
2016 4,064 716 49,962 8,797 6,105 121,924 612											-								
2017 3,915 741 50,764 8,849 5,469 121,855 410 #22,217 #209,554 0 146,644 2018 4,028 840 52,033 9,251 6,374 120,783 366 #2,1292 #21,1019 0 152,915 120,915 3,988 820 51,096 10,220 5,700 119,595 308 #2,1292 #209,110 0 146,522 120,213,680 #2,42 #30,068 10,050 7,749 111,848 378 #20,981 #190,260 0 146,522 146,522 146,522 146,522 146,522 146,522 146,522 146,522 146,522 146,522 146,522 146,522 146,522 146,522 146,522 146,522 147,718 147,718 147,718 149,500											-								
2018											•								
2020   3,277									R 21,922	R 211,019	0								
2021   3,880   Real   Respect   Re											0								
1960   766.8   721.7   138.7   140.0   9.8   410.6   72.4   149.9   795.5   76.9   36.7   NA   NA   NA   196.9   7.5			H 784	50,028							-								
Trillion Btu   Tril											-								
1960   756.8   721.7   138.7   14.0   9.8   410.6   72.4   149.9   795.5   R(s)   36.7   NA   NA   NA   196.9   R2.507.6   R. 997.1   R2.904.	2022	3,201	659	47,452	11,093	3,314	110,363	367	21,442	200,073	- 0					149,500			
1970 776.7 1,055.3 196.1 32.7 32.8 558.4 36.1 206.3 1,062.4 0.0 44.0 NA NA NA 290.8 3,229.2 \$\frac{6}{1595.6}\$ 6 \$\frac{7}{3},824.1 \$\frac{1}{1590}\$ 417.6 906.6 274.9 157.1 40.6 594.8 39.7 180.7 1,287.8 0.0 107.3 NA NA NA NA 382.5 3,031.9 \$\frac{6}{1813.6}\$ 13.6 1.0 10.0 10.0 10.0 10.0 10.0 10.0 10.	Trillion Btu																		
1990 417.6 96.6 274.9 157.1 40.6 594.8 39.7 180.7 1.287.8 0.0 107.3 NA NA NA 382.5 3.031.9 R31.3.7 R3.845.1 1990 264.0 775.3 216.3 40.0 59.9 580.4 9.6 178.2 1.084.4 0.0 62.5 2.8 0.3 (s) 486.1 2.683.3 R1.124.7 R3.808.1 2000 116.0 918.1 279.4 44.2 105.8 630.9 9.4 196.8 1.266.5 0.0 71.5 0.0 0.8 0.1 563.6 2.393.1 R1.324.5 R4.259.2 2005 108.0 832.7 307.5 48.2 105.5 647.4 9.0 166.6 1.284.3 0.0 46.2 0.1 1.5 0.2 546.5 2.819.5 R1.254.5 R4.259.2 2006 113.6 747.4 317.5 43.9 104.8 644.8 8.6 176.5 1.296.1 0.0 45.6 0.2 1.7 0.2 523.5 2.729.4 R1.182.5 R3.911.2 2007 113.9 797.7 331.2 33.4 102.9 638.2 5.7 186.6 1.288.0 0.0 48.9 0.2 2.0 0.2 552.0 2.814.3 R1.238.8 R4.038.2 2008 116.2 799.7 307.6 30.2 102.0 620.7 7.9 185.5 1.254.0 0.0 45.6 0.2 1.7 3.2 4 275.7 33.5 72.3 613.5 4.6 154.2 1.153.8 0.0 47.3 14.5 2.9 0.2 499.2 2.546.9 R1.105.8 R3.652.2 2010 124.7 751.1 293.4 36.8 32.6 612.7 4.1 136.9 1.116.6 0.0 55.7 22.2 3.2 0.3 525.9 R2.599.5 R1.174.9 R3.774.2 2011 119.9 753.6 295.7 37.3 31.4 595.6 31.1 32.7 1.095.7 0.0 554.2 2.8 3.0 0.3 525.9 R2.599.5 R1.174.9 R3.774.2 2012 138.0 694.1 285.2 31.0 26.7 593.6 1.2 136.3 1.074.1 0.0 494.2 24.4 3.4 R0.4 520.2 R2.503.8 R1.076.1 R3.579.2 2013 141.0 779.4 2.90.9 34.0 2.6 600.5 32 132.2 1.087.4 0.0 555.7 2.9 3.4 R0.4 520.2 R2.503.8 R1.076.1 R3.579.2 2014 140.4 877.0 302.6 36.6 29.2 599.9 2.2 127.0 1.097.4 0.0 55.5 2.5 3.4 R0.4 80.6 50.1 R2.503.8 R1.076.1 R3.579.2 2014 140.4 877.0 302.6 36.6 29.2 599.9 2.2 127.0 1.097.4 0.0 55.5 31.3 3.4 R0.6 514.1 R2.719.5 R1.042.1 R3.761.2 2015 131.4 811.5 299.8 33.2 31.7 611.7 2.7 134.7 1.113.7 0.0 53.6 33.3 3.4 R0.6 50.1 R2.503.8 R2.503.8 R1.076.1 R3.579.2 2016 113.5 769.3 287.6 33.8 34.6 616.3 3.9 R1.43.7 1.113.7 0.0 53.6 33.3 3.4 R0.6 514.1 R2.719.5 R1.042.1 R3.761.2 2015 131.4 811.5 299.8 33.2 31.7 611.7 2.7 134.7 1.113.7 0.0 53.6 33.3 3.4 R0.6 514.1 R2.719.5 R1.042.1 R3.761.2 2015 131.4 811.5 299.8 33.2 31.7 611.7 2.7 134.7 1.113.7 0.0 53.6 33.3 3.4 R0.6 514.1 R2.719.5 R1.002.2 R1.003.5 R3.602.2 R1.003.5 R3.602.2 R1.003.5 R3.602.2 R1.003.5 R3.602.2 R1.00	1960	756.8	721.7	138.7	14.0	9.8	410.6	72.4	149.9	795.5	R (s)	36.7	NA	NA	NA	196.9	R 2,507.6		R 2,904.7
1990 2640 775.3 216.3 40.0 59.9 580.4 9.6 178.2 1.084.4 0.0 62.5 2.8 0.3 (s) 486.1 2.683.3 R 1,124.7 R 3,808. 2000 116.0 918.1 279.4 44.2 105.8 630.9 9.4 196.8 1,266.5 0.0 71.5 0.0 0.8 0.1 563.6 2,935.1 R 1,324.5 R 4,259. 2005 108.0 832.7 307.5 48.2 105.5 647.4 9.0 166.6 1,284.3 0.0 46.2 0.1 1.5 0.2 546.5 2,819.5 R 1,250.2 2006 113.6 747.4 317.5 43.9 104.8 644.8 8.6 176.5 1,296.1 0.0 45.6 0.2 1.7 0.2 523.5 2,729.4 R 1,182.5 R 3,911. 2007 113.9 797.7 331.2 33.4 102.9 638.2 5.7 186.6 1,298.0 0.0 48.9 0.2 2.0 0.2 552.0 2,814.3 R 1,223.8 2008 116.2 799.7 307.6 30.2 102.0 620.7 7.9 185.5 1,254.0 0.0 50.4 18.6 2.3 0.2 543.8 2,786.6 R 1,201.0 R 3,987. 2009 97.1 732.4 275.7 33.5 72.3 613.5 46. 154.2 1,153.8 0.0 47.3 14.5 2.9 0.2 499.2 2,546.9 R 1,105.0 R 3,987. 2010 124.7 751.1 293.4 36.8 32.6 612.7 4.1 136.9 1,116.6 0.0 55.7 22.2 3.2 0.3 525.9 R 2,599.5 R 1,174.9 R 3,774. 2011 119.9 753.6 295.7 37.3 31.4 595.6 3.1 132.7 1,095.7 0.0 55.4 25.6 3.4 R 0.4 R 0.4 S20.2 R 2,503.8 R 1,076.1 R 3,774. 2012 138.0 694.1 285.2 31.0 26.7 583.6 1.2 136.3 1,074.1 0.0 49.4 24.4 34. R 0.4 520.2 R 2,503.8 R 1,076.1 R 3,779. 2013 141.0 779.4 290.9 34.0 26.6 600.5 3.2 132.2 1,007.4 0.0 56.5 25.5 3.4 R 0.4 R 0.4 S20.2 R 2,503.8 R 1,076.1 R 3,579. 2013 141.0 779.4 290.9 34.0 26.6 600.5 3.2 132.2 1,007.4 0.0 56.5 25.5 3.4 R 0.6 591.8 R 2,606.4 R 1,050.6 R 3,657. 2014 140.4 877.0 302.6 36.6 292. 599.9 2.2 127.0 1,097.4 0.0 55.1 29.9 3.4 R 0.6 591.8 R 2,606.4 R 1,050.6 R 3,657. 2014 140.4 877.0 302.6 36.6 292. 599.9 2.2 127.0 1,097.4 0.0 55.5 25.5 3.4 R 0.6 591.8 R 2,606.4 R 1,050.6 R 3,657. 2014 140.4 877.0 302.6 36.6 292. 599.9 2.2 127.0 1,097.4 0.0 55.5 25.5 3.4 R 0.6 591.8 R 2,606.4 R 1,050.6 R 3,657. 2014 140.4 877.0 302.6 36.6 292. 599.9 2.2 127.0 1,097.4 0.0 55.5 25.5 3.4 R 0.6 591.8 R 2,606.4 R 1,050.6 R 3,657. 2014 140.4 877.0 302.6 36.6 292. 599.9 2.2 127.0 1,097.4 0.0 55.5 25.5 3.4 R 0.6 591.8 R 2,606.4 R 1,050.6 R 3,657. 2014 140.4 877.0 302.6 36.6 292.5 399.9 2.2 127.0 1,097.4 0.0 55.6 30.3 3.4 R 0.6 591.8 R 2,606.4 R 1,005.7 R 3,																			R 3,824.8
2000 116.0 918.1 279.4 44.2 105.8 630.9 9.4 196.8 1,266.5 0.0 71.5 0.0 0.8 0.1 563.6 2,935.1 \$\frac{1}{1}\$,324.5 \$\frac{1}{4}\$,250.2 \$\frac{1}{4}\$,069.\$\$ 2005 108.0 832.7 307.5 48.2 105.5 647.4 9.0 166.6 1,284.3 0.0 46.2 0.1 1.5 0.2 546.5 2,819.5 \$\frac{1}{1}\$,250.2 \$\frac{1}{4}\$,069.\$\$ 2006 113.6 747.4 317.5 43.9 104.8 644.8 8.6 176.5 1,296.1 0.0 45.6 0.2 1.7 0.2 523.5 2,729.4 \$\frac{1}{1}\$,182.5 \$\frac{1}{8}\$,3911.\$\$ 2007 113.9 797.7 331.2 33.4 102.9 638.2 5.7 186.6 1,298.0 0.0 48.9 0.2 2.0 0.2 552.0 2,814.3 \$\frac{1}{8}\$,1223.8 \$\frac{1}{8}\$,4038.\$\$ 2008 116.2 799.7 307.6 30.2 102.0 620.7 7.9 185.5 1,254.0 0.0 55.4 18.6 2.3 0.2 543.8 2,786.6 \$\frac{1}{1}\$,201.0 \$\frac{1}{3}\$,987.\$\$ 2009 97.1 732.4 275.7 33.5 72.3 613.5 4.6 154.2 1,153.8 0.0 47.3 14.5 2.9 0.2 499.2 2,546.9 \$\frac{1}{1}\$,105.8 \$\frac{1}{3}\$,987.\$\$ 2010 124.7 751.1 293.4 36.8 32.6 612.7 4.1 136.9 1,116.6 0.0 55.7 22.2 32 0.3 525.9 \$\frac{1}{8}\$,259.5 \$\frac{1}{1}\$,147.1 \$\frac{1}{3}\$,774.\$\$ 2011 119.9 753.6 295.7 37.3 31.4 595.6 3.1 132.7 1,095.7 0.0 55.4 25.6 3.4 \$\frac{1}{1}\$0.4 50.2 \$\frac{1}{2}\$,250.8 \$\frac{1}{1}\$,147.1 \$\frac{1}{3}\$,774.\$\$ 2012 138.0 694.1 285.2 31.0 26.7 593.6 1.2 136.3 1,074.1 0.0 49.4 24.4 3.4 \$\frac{1}{1}\$0.4 50.2 \$\frac{1}{2}\$,250.8 \$\frac{1}{1}\$,147.1 \$\frac{1}{3}\$,761.\$\$ 2014 140.4 877.0 302.6 36.6 292. 599.9 2.2 127.0 1,097.4 0.0 57.1 29.9 3.4 \$\frac{1}{1}\$0.6 514.1 \$\frac{1}{2}\$,271.5 \$\frac{1}{1}\$,142.1 \$\frac{1}{3}\$,3671.\$\$ 2015 131.4 811.5 299.8 33.2 31.7 611.7 2.7 134.7 1,113.7 0.0 53.6 30.3 3.4 \$\frac{1}{1}\$0.6 514.1 \$\frac{1}{2}\$,271.5 \$\frac{1}{1}\$,3679.2 \$\frac{1}{1}\$,110.6 0.0 50.5 31.3 3.4 \$\frac{1}{1}\$0.0 50.8 \$\frac{1}{2}\$,259.8 \$\frac{1}{1}\$,005.7 \$\frac{1}{3}\$,3651.\$\$ 2017 110.3 795.0 292.2 34.0 31.0 615.7 2.6 136.9 1,112.4 0.0 45.2 32.6 3.4 \$\frac{1}{1}\$0.7 503.8 \$\frac{1}{2}\$,260.2 \$\frac{1}{1}\$,005.5 \$\frac{1}{3}\$,3671.\$\$ 2019 113.5 874.7 294.3 39.2 32.3 604.2 1.9 136.9 1,108.9 0.0 46.2 33.2 34.4 \$\frac{1}{1}\$0.0 506.8 \$\frac{1}{2}\$,267.7 \$\frac{1}{8}\$,3671.\$\$ 2020 93.2 88.9 \$\frac{1}{8}\$.2 88.0																		H 813.7	
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2009 97.1 732.4 275.7 33.5 72.3 613.5 4.6 154.2 1,153.8 0.0 47.3 14.5 2.9 0.2 499.2 2,546.9 R1,105.8 R3,652.1 2010 124.7 751.1 293.4 36.8 32.6 612.7 4.1 136.9 1,116.6 0.0 55.7 22.2 3.2 0.3 525.9 R2,595.5 R1,174.9 R3,774.1 2011 119.9 753.6 295.7 37.3 31.4 595.6 3.1 132.7 1,095.7 0.0 55.4 25.6 3.4 R0.3 528.0 R2,5851.5 R1,174.7 R3,7784.2 2012 138.0 694.1 285.2 31.0 26.7 593.6 1.2 136.3 1,074.1 0.0 49.4 24.4 3.4 R0.4 520.2 R2,503.8 R1,076.1 R3,579.1 2013 141.0 779.4 290.9 34.0 26.6 600.5 3.2 132.2 1,087.4 0.0 56.5 25.5 3.4 R0.5 512.8 R2,606.4 R1,050.6 R3,657.1 2014 140.4 877.0 302.6 36.6 29.2 599.9 2.2 127.0 1,097.4 0.0 57.1 29.9 3.4 R0.5 512.8 R2,606.4 R1,050.6 R3,657.1 2015 131.4 811.5 299.8 33.2 31.7 611.7 2.7 134.7 1,113.7 0.0 53.6 30.3 3.4 R0.6 509.1 R2,653.4 R1,005.7 R3,659.1 2016 113.5 769.3 287.6 33.8 34.6 616.3 3.9 R143.5 1,119.6 0.0 50.5 31.3 3.4 R0.7 503.8 R2,602.2 R1,008.5 R3,669.2 2017 110.3 795.0 292.2 34.0 31.0 615.7 2.6 136.9 1,112.4 0.0 45.2 32.6 3.4 R0.7 503.8 R2,602.2 R1,008.5 R3,669.2 2018 114.1 895.8 301.2 35.5 36.1 610.4 2.4 135.4 R1,121.2 0.0 46.5 32.8 3.4 R0.7 503.8 R2,602.2 R9,90.9 R3,579.2 2020 93.2 R39.2 288.0 37.3 31.4 525.1 2.2 R128.8 R1,018.0 0.0 R3,91.1 28.2 3.4 R1.0 506.8 R2,687.6 R8,90.9 R3,579.2 2020 93.2 R39.2 288.0 37.3 31.4 525.1 2.2 R128.8 R1,018.0 0.0 R3,91.1 28.2 3.4 R1.0 506.8 R2,687.6 R8,90.9 R3,579.3 2020 93.2 R39.2 288.0 37.3 31.4 525.1 2.2 R128.8 R1,018.0 0.0 R3,91.1 28.2 3.4 R1.1 486.6 R2,502.7 R3,88.5 R3,483.4 2021 104.9 R84.9 R3,88.1 R3,88.1 R3,883.8 R3,48.3																		R 1,223.8	R 4,038.1
2010 124.7 751.1 293.4 36.8 32.6 612.7 4.1 136.9 1,116.6 0.0 55.7 22.2 3.2 0.3 525.9 R2,599.5 R1,174.9 R3,774.2 119.9 753.6 295.7 37.3 31.4 595.6 3.1 132.7 1,095.7 0.0 55.4 25.6 3.4 R0.3 528.0 R2,581.5 R1,147.1 R3,728.2 120.2 138.0 694.1 285.2 31.0 26.7 593.6 1.2 136.3 1,074.1 0.0 49.4 24.4 3.4 R0.4 520.2 R2,503.8 R1,076.1 R3,579.2 120.3 141.0 779.4 290.9 34.0 26.6 600.5 3.2 132.2 1,087.4 0.0 56.5 25.5 3.4 R0.5 512.8 R2,606.4 R1,050.6 R3,557.2 120.4 140.4 877.0 302.6 36.6 29.2 599.9 2.2 127.0 1,097.4 0.0 57.1 29.9 3.4 R0.6 514.1 R2,719.5 R1,005.7 R3,559.2 131.4 811.5 299.8 33.2 31.7 611.7 2.7 134.7 1,113.7 0.0 53.6 30.3 3.4 R0.6 509.1 R2,653.4 R1,005.7 R3,659.2 120.6 113.5 769.3 287.6 33.8 34.6 616.3 3.9 R143.5 1,119.6 0.0 50.5 31.3 3.4 R0.7 513.8 R2,602.2 R1,008.5 R3,610.2 10.7 110.3 795.0 292.2 34.0 31.0 615.7 2.6 136.9 1,112.4 0.0 45.2 32.6 3.4 R0.7 513.8 R2,602.2 R1,008.5 R3,550.2 10.9 113.5 874.7 294.3 39.2 32.3 604.2 1.9 136.9 1,108.9 0.0 46.2 33.2 3.4 R0.6 504.8 R2,607.7 R2,579.2 R960.4 R3,657.0 R3,5561.2 10.9 R38.9 2020 83.2 R39.2 288.0 37.3 31.4 525.1 2.2 R127.8 R1,018.0 0.0 R3.9 1.2 33.4 R1.0 506.8 R2,607.7 R3,659.2 10.9 R3,550.2 R3,340.2 R3,340.2 R3,340.3 R3,4 80.9 R3,46																		R 1,201.0	R 3,987.7
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2012 138.0 694.1 285.2 31.0 26.7 593.6 1.2 136.3 1,074.1 0.0 49.4 24.4 3.4 R 0.4 520.2 R 2,503.8 R 1,076.1 R 3,579.1 141.0 779.4 290.9 34.0 26.6 600.5 3.2 132.2 1,087.4 0.0 56.5 25.5 3.4 R 0.5 512.8 R 2,606.4 R 1,050.6 R 3,6571.2 141.0 R 3,7671.2 141.0 R 3,7671																	1 2,599.5 R 2 501 5	" 1,174.9 R 1 147.1	
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2021 104.9 <sup>R</sup> 884.9 <sup>R</sup> 282.8 38.6 40.5 564.8 2.4 128.9 <sup>R</sup> 1,058.0 0.0 <sup>R</sup> 38.9 30.9 3.4 <sup>R</sup> 1.3 504.0 <sup>R</sup> 2,624.7 <sup>R</sup> 858.8 <sup>R</sup> 3,483.483.483.483.483.483.483.483.483.483.												R 39.1	28.2		R 1.1	486.6	R 2,502.7	R 838.5	R 3,341.2
				R 282.8	38.6	40.5	564.8		128.9	R 1,058.0		R 38.9	30.9	3.4	R 1.3			R 858.8	R 3,483.5
202 01:0 2:00 1:00 02:0 00:0 E.T 10E.E 1,000:0 0.0 TO.E 07:0 0.T 1.T 010.1 2,001.0 042.7 0,004.	2022	92.6	919.8	273.6	42.6	52.8	557.3	2.4	132.2	1,060.9	0.0	40.2	34.5	3.4	1.4	510.1	2,661.8	842.7	3,504.5

<sup>&</sup>lt;sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.

b Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.

<sup>&</sup>lt;sup>c</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

d Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other petroleum."

e Beginning in 1993, includes fuel ethanol blended into motor gasoline.

Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

<sup>9</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

h There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

Losses and co-products from the production of biodiesel and fuel ethanol.

k Solar thermal and photovoltaic energy.

<sup>&</sup>lt;sup>1</sup> Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

<sup>&</sup>lt;sup>m</sup> Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by the commercial and industrial sectors. Beginning in 2021, adjusted for the double-counting of biofuels product supplied.

<sup>&</sup>lt;sup>n</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology. — = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Total end-use sector consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. Totals may not equal sum of components due to independent rounding. The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/