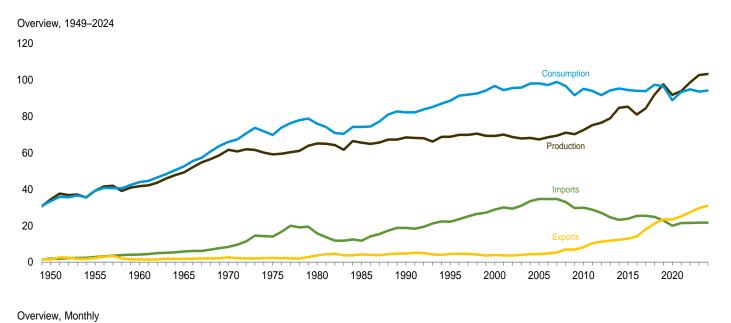
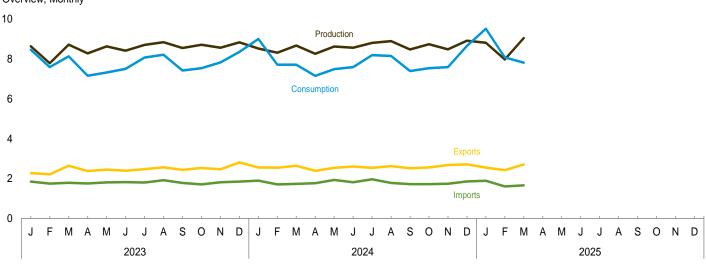
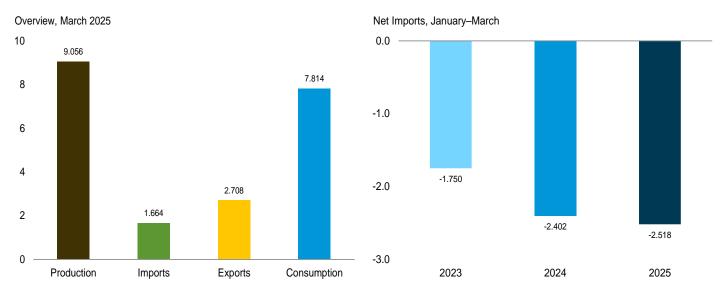
1. EnergyOverview

Figure 1.1 Primary Energy Overview







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

Source: Table 1.1.

2

Table 1.1 Primary Energy Overview

	Production				Trade		Charle		Consu	mption		
	Fossil Fuels ^a	Nuclear Electric Power	Renew- able Energy ^b	Total	Imports	Exports	Net Imports ^c	Stock Change and Other ^d	Fossil Fuels ^e	Nuclear Electric Power	Renew- able Energy ^b	Total ^f
1950 Total 1955 Total 1960 Total 1965 Total 1970 Total 1975 Total 1975 Total 1985 Total 1985 Total 1985 Total 1995 Total 1995 Total 2000 Total 2001 Total 2011 Total 2012 Total 2014 Total 2015 Total 2017 Total 2017 Total 2018 Total 2017 Total 2018 Total 2019 Total 2019 Total 2019 Total	32.553 37.347 39.855 47.205 59.152 54.697 57.502 58.523 57.496 57.307 54.995 62.298 64.180 69.599 70.171 65.442 68.488 75.798 81.405 76.155 77.987 82.225	0.000 .006 .043 .239 1.900 2.739 4.076 6.104 7.075 7.862 8.161 8.434 8.269 8.062 8.244 8.338 8.337 8.419 8.419 8.452 8.452 8.451 8.451	1.907 1.821 1.830 2.008 2.289 2.544 3.445 4.018 3.863 4.295 4.295 4.220 5.943 6.187 6.561 6.833 6.840 7.179 7.495 7.745 7.745 7.808 8.324	34.460 39.168 41.691 49.256 61.681 59.141 65.595 68.490 68.866 72.536 72.536 75.202 76.547 78.985 84.769 85.347 81.048 84.403 91.972 97.601 91.860 93.926 98.610	1.913 2.790 4.188 5.892 8.342 14.032 15.796 11.781 18.817 22.180 28.865 34.659 29.866 28.748 27.068 24.623 23.241 23.794 25.378 24.833 22.865 19.988 24.833 22.865 19.988 21.455 21.507	1.465 2.286 1.477 1.829 2.632 2.323 3.695 4.196 4.752 4.496 3.962 4.462 8.176 10.373 11.267 11.788 12.270 12.902 14.119 17.946 21.224 23.476 23.476 23.476 23.476 23.476 23.476	0.448 .504 2.710 4.063 5.709 11.709 12.101 7.584 14.065 17.684 24.904 30.197 21.690 18.375 15.801 12.835 10.971 10.892 11.259 7.512 3.610 610 -3.476 -3.616 -5.828	-1.380 457 458 754 -1.354 -1.062 -1.227 1.088 299 2.118 2.528 527 .916 .389 670 2.433 409 -1.761 1.971 1.815 396 .487 3.054 2.057	31.615 37.380 42.091 50.515 63.501 65.323 69.782 66.035 72.281 77.162 85.623 80.723 79.263 77.304 79.224 80.017 79.090 78.319 77.901 81.281 80.425 73.169 77.454 78.529	0.000 .006 .043 .239 1.900 2.739 4.076 6.104 7.075 7.862 8.161 8.434 8.269 8.244 8.338 8.337 8.427 8.419 8.438 8.452 8.451 8.451 8.131	1.907 1.821 1.830 2.008 2.289 2.544 3.445 4.018 3.863 4.297 4.096 4.233 5.896 6.308 6.150 6.587 6.796 6.823 7.110 7.374 7.526 7.586 7.290 7.645 8.107	33.527 39.215 43.942 52.565 66.036 69.788 74.268 82.256 88.668 96.694 98.101 95.142 93.966 91.677 94.253 95.332 94.478 94.083 97.396 96.595 88.871 93.364 94.838
2023 January February March April May June July August September October November December Total	7.208 6.501 7.336 6.990 7.262 7.047 7.271 7.408 7.202 7.383 7.242 7.405 86.255	.741 .636 .657 .592 .639 .677 .730 .729 .685 .642 .651 .720 8.099	.690 .654 .729 .703 .735 .692 .710 .707 .667 .688 .676	8.639 7.791 8.722 8.285 8.636 8.417 8.711 8.845 8.554 8.713 8.569 8.840	1.853 1.747 1.789 1.754 1.810 1.825 1.804 1.915 1.785 1.705 1.818 1.853 21.658	2.275 2.216 2.647 2.380 2.454 2.398 2.472 2.567 2.441 2.534 2.465 2.807 29.656	422 470 858 626 643 572 656 830 647 954 - .7.998	.249 .274 .268 -496 667 340 .021 476 346 087 .471 -1.102	7.043 6.315 6.753 5.875 5.948 6.138 6.645 6.781 6.087 6.216 6.525 6.946	.741 .636 .657 .592 .639 .677 .730 .729 .685 .642 .651 .720 8.099	.671 .637 .714 .690 .730 .682 .692 .699 .650 .679 .656	8.466 7.595 8.132 7.164 7.326 7.504 8.071 8.213 7.423 7.537 7.834 8.356 93.621
February	7.123 6.945 7.244 6.913 7.187 7.100 7.336 7.422 7.129 7.396 7.111 7.438 86.344	.722 .675 .662 .602 .679 .713 .729 .655 .614 .647 .744	.681 .696 .769 .748 .760 .756 .743 .749 .693 .732 .726 .734 8.788	8.526 8.317 8.675 8.264 8.625 8.568 8.810 8.900 8.477 8.742 8.484 8.916	1.899 1.710 1.736 1.772 1.934 1.814 1.964 1.783 1.725 1.725 1.722 1.745 1.860 21.663	2.559 2.546 2.641 2.389 2.540 2.604 2.537 2.628 2.518 2.563 2.680 2.716 30.921	660 837 906 618 606 790 573 845 793 841 856 -9.258	1.140 .237 051 492 528 186 039 .102 288 363 046 591	7.619 6.362 6.310 5.819 6.056 6.134 6.728 6.691 6.057 6.198 6.244 7.196 77.415	.722 .675 .662 .602 .679 .713 .730 .729 .655 .614 .647 .744	.660 .679 .747 .734 .756 .740 .731 .730 .677 .719 .703 .705 8.581	9.007 7.717 7.718 7.154 7.491 7.592 8.198 8.157 7.396 7.537 7.596 8.652 94.216
2025 January February March 3-Month Total	R 7.329 R 6.652 7.603 21.584	.750 .646 .653 2.049	.740 .684 .801 2.225	R 8.819 R 7.982 9.056 25.857	R 1.894 R 1.607 1.664 5.165	2.551 R 2.425 2.708 7.684	656 R818 -1.044 -2.518	R 1.357 R .917 197 2.076	8.056 R 6.771 6.388 21.215	.750 .646 .653 2.049	.704 .658 .771 2.133	9.519 R 8.082 7.814 25.415
2024 3-Month Total 2023 3-Month Total	21.313 21.045	2.059 2.033	2.146 2.074	25.518 25.152	5.345 5.388	7.746 7.138	-2.402 -1.750	1.326 .791	20.291 20.111	2.059 2.033	2.087 2.023	24.443 24.193

Notes: • See "Primary Energy," "Primary Energy Production," and "Primary Energy Consumption," in Glossary. • 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/#summary (Excel and CSV files) for all available annual data beginning in 1949 and monthly data

Sources: • **Production:** Table 1.2. • **Trade:** Tables 1.4a and 1.4b. • **Stock Change and Other:** Calculated as consumption minus production and net imports. • **Consumption:** Table 1.3.

3

 ^a Coal, natural gas (dry), crude oil, and natural gas plant liquids.
 ^b See Tables 10.1–10.2c for notes on series components and estimation; and see Note, "Renewable Energy Production and Consumption," at end of Section 10.
 ^c Net imports equal imports minus exports.

d Includes petroleum stock change and adjustments; natural gas net storage withdrawals and balancing item; coal stock change, losses, and unaccounted for; fuel ethanol stock change; and biodiesel stock change and balancing item.

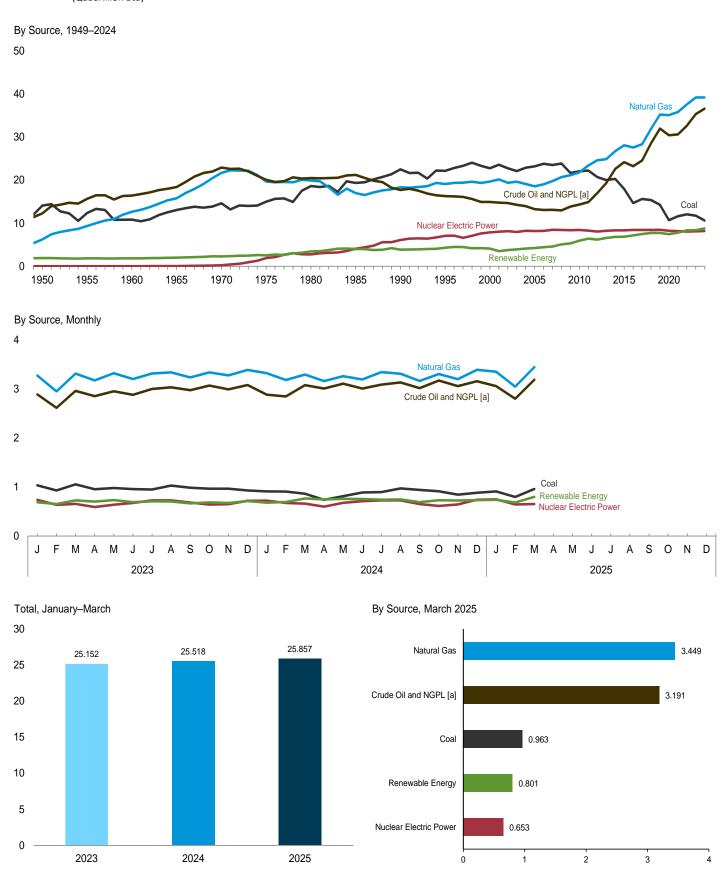
Coal, coal coke net imports, natural gas, and petroleum.

Also includes electricity net imports.

R=Revised.

Figure 1.2 Primary Energy Production





[a] Natural gas plant liquids.

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

Source: Table 1.2.

Table 1.2 Primary Energy Production by Source

	Fossil Fuels					Renewable Energy ^a							
	Coal ^b	Natural Gas (Dry)	Crude Oil ^c	NGPLd	Total	Nuclear Electric Power	Hydro- electric Power ^e	Geo- thermal	Solar	Wind	Bio- mass	Total	Total
1950 Total 1955 Total 1960 Total 1965 Total 1970 Total 1975 Total 1980 Total 1985 Total 1985 Total 1985 Total 1995 Total 2000 Total 2005 Total 2011 Total 2012 Total 2013 Total 2014 Total 2015 Total 2016 Total 2017 Total 2017 Total 2018 Total 2017 Total 2018 Total 2019 Total	14.060 12.370 10.817 13.055 14.607 14.989 18.598 19.325 22.488 22.130 22.735 23.185 22.038 22.038 22.03677 20.001 20.286 17.946 14.667 15.625 15.363 14.256 10.703 11.596 12.043	6.233 9.345 12.656 15.775 21.666 19.640 19.908 16.980 18.326 19.082 19.662 18.556 21.806 23.406 24.610 24.859 26.718 28.067 27.576 28.325 31.882 35.187 35.062 35.807 37.560	11.447 14.410 14.935 16.521 20.401 17.729 18.249 18.992 15.571 13.887 12.358 10.974 11.610 12.012 13.849 15.868 18.590 19.682 18.534 19.551 22.825 25.610 23.585 23.485 24.880	0.813 1.223 1.447 1.853 2.478 2.338 2.225 2.204 2.138 2.398 2.551 2.280 2.705 2.890 3.162 3.451 4.065 4.987 5.727 6.352 6.805 7.099 7.742	32.553 37.347 39.855 47.205 59.152 54.697 58.979 57.502 58.523 57.496 57.307 54.995 58.159 60.529 62.298 64.180 69.599 70.171 65.442 68.488 75.798 81.405 76.155 77.987 82.225	0.000 .000 .006 .043 .239 1.900 2.739 4.076 6.104 7.075 7.862 8.161 8.434 8.269 8.062 8.244 8.338 8.337 8.427 8.419 8.438 8.438 8.427 8.419 8.438 8.431 8.431	0.344 .397 .510 .672 .856 1.034 .953 .970 .999 1.061 .940 .943 .916 .885 .850 .914 1.025 .998 .982 .973 .858	NA NA (s) .001 .002 .011 .017 .032 .063 .069 .084 .111 .116 .117 .118 .118 .118 .118 .118 .118	NA NA NA NA NA NA NA (s) .056 .052 .068 .076 .094 .120 .161 .196 .251 .329 .384 .430 .511 .625 .764	NA NA NA NA NA NA (s) .010 .011 .019 .061 .323 .410 .480 .573 .620 .651 .774 .868 .930 .1.010 1.153 1.290	1.562 1.424 1.320 1.335 1.431 1.499 2.475 3.016 2.735 3.099 3.006 3.101 4.554 4.835 5.049 5.025 5.122 5.156 5.306 5.306 4.700 4.916 5.090	1.907 1.821 1.830 2.008 2.289 2.544 3.445 4.018 3.863 4.295 4.093 4.220 5.943 6.404 6.187 6.561 6.833 6.840 7.179 7.495 7.736 7.745 7.745 7.808 8.324	34.460 39.168 41.691 49.256 61.681 59.141 65.164 65.595 68.490 68.866 69.262 67.376 72.536 75.202 76.547 78.985 84.769 85.347 81.048 84.403 91.972 97.601 93.926 98.610
2023 January February March April May June July August September October November December Total	1.037 .931 1.057 .955 .981 .959 .950 1.030 .986 .967 .932 11.752	3.277 2.953 3.315 3.179 3.324 3.205 3.319 3.342 3.238 3.342 3.280 3.390 39.164	2.224 2.006 2.260 2.164 2.245 2.196 2.281 2.301 2.249 2.319 2.267 2.347 26.858	.669 .612 .704 .691 .712 .687 .721 .735 .729 .754 .727 .737	7.208 6.501 7.336 6.990 7.262 7.047 7.271 7.408 7.202 7.383 7.242 7.405 86.255	.741 .636 .657 .592 .639 .677 .730 .729 .685 .642 .651 .720	.078 .068 .073 .068 .094 .074 .075 .073 .058 .053 .065 .836	.010 .009 .010 .010 .010 .010 .010 .010	.044 .051 .067 .080 .091 .092 .097 .093 .081 .074 .057	.131 .141 .149 .146 .110 .094 .096 .097 .097 .123 .124 .130	.428 .384 .430 .399 .429 .423 .436 .421 .427 .427 .460 5.097	.690 .654 .729 .703 .735 .692 .710 .707 .667 .688 .676 .715	8.639 7.791 8.722 8.285 8.636 8.417 8.711 8.845 8.554 8.713 8.569 8.840
Pebruary February March April May June July August September October November December Total	.912 .910 .866 .740 .814 .890 .973 .943 .915 .846 .883	E 3.325 E 3.185 E 3.298 E 3.163 E 3.263 E 3.263 E 3.3197 E 3.347 E 3.313 E 3.167 E 3.308 E 3.204 E 3.394	E 2.214 E 2.162 E 2.323 E 2.261 E 2.328 E 2.260 E 2.327 E 2.357 E 2.250 E 2.279 E 2.370 E 2.370	.672 .689 .758 .748 .782 .753 .765 .780 .768 .802 .782 .791	7.123 6.945 7.244 6.913 7.187 7.100 7.336 7.422 7.129 7.396 7.111 7.438 86.344	.722 .675 .662 .602 .679 .713 .730 .729 .655 .614 .647 .744	.075 .069 .080 .066 .077 .072 .073 .057 .054 .062 .070	.010 .010 .010 .010 .010 .010 .010 .010	.053 .065 .084 .098 .112 .119 .117 .101 .095 .070 .065 1.098	.119 .142 .156 .162 .132 .130 .095 .098 .099 .137 .140 .138	.424 .411 .440 .412 .429 .425 .446 .451 .427 .437 .445 .452	.681 .696 .769 .748 .760 .756 .743 .749 .693 .732 .726 .734	8.526 8.317 8.675 8.264 8.625 8.568 8.810 8.900 8.477 8.742 8.484 8.916
2025 January February March 3-Month Total	.912 .799 .963 2.674	RE 3.355 RE 3.049 E 3.449 E 9.854	RE 2.317 RE 2.109 E 2.379 E 6.805	.744 .695 .812 2.251	R 7.329 R 6.652 7.603 21.584	.750 .646 .653 2.049	.072 .066 .075 .213	.010 .009 .010 .030	.074 .080 .111 .265	.149 .135 .173 .456	.435 .394 .431 1.260	.740 .684 .801 2.225	R 8.819 R 7.982 9.056 25.857
2024 3-Month Total 2023 3-Month Total	2.688 3.025	^E 9.808 9.545	E 6.698 6.490	2.118 1.986	21.313 21.045	2.059 2.033	.223 .219	.030 .030	.202 .162	.417 .421	1.275 1.242	2.146 2.074	25.518 25.152

 ^a Most data are estimates. See Tables 10.1–10.2c for notes on series components and estimation; and see Note, "Renewable Energy Production and Consumption," at end of Section 10.
 ^b Beginning in 1989, includes waste coal supplied. Beginning in 2001, also includes a small amount of refuse recovery. See Table 6.1.
 ^c Includes lease condensate.

C Includes lease condensate.

A Natural gas processing plant production of natural gas liquids (ethane, propane, normal butane, isobutane, and natural gasoline). Through 1980, also includes natural gas processing plant production of finished petroleum products (aviation gasoline, distillate fuel oil, jet fuel, kerosene, motor gasoline, special

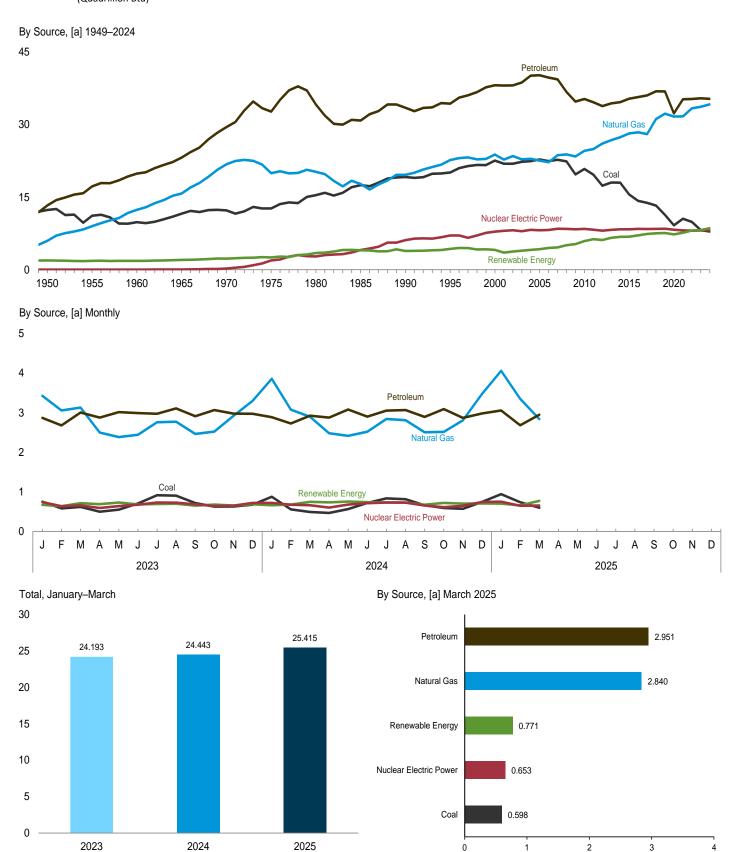
naphthas, and miscellaneous products).

^e Conventional hydroelectric power.
R=Revised. E=Estimate. NA=Not available. (s)=Less than 0.5 trillion Btu.
Notes: • See "Primary Energy Production" in Glossary. • 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/#summary (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973. Sources: See end of section.

Figure 1.3 Primary Energy Consumption



[a] Small quantities of net imports of coal coke and electricity are not shown. Web Page: http://www.eia.gov/totalenergy/data/monthly/#summary.

Source: Table 1.3.

Table 1.3 Primary Energy Consumption by Source

		Fossil Fuels ^a						Renewable	e Energy ^b			
	Coal	Natural Gas ^c	Petro- leum ^d	Totale	Nuclear Electric Power	Hydro- electric Power ^f	Geo- thermal	Solar	Wind	Bio- mass	Total	Total ^g
1950 Total 1955 Total 1960 Total 1965 Total 1970 Total 1975 Total 1985 Total 1985 Total 1985 Total 1990 Total 1995 Total 2000 Total 2001 Total 2011 Total 2012 Total 2014 Total 2015 Total 2016 Total 2017 Total 2017 Total 2018 Total 2018 Total 2019 Total 2020 Total 2021 Total	12.347 11.167 9.838 11.581 12.265 12.663 15.423 17.478 19.173 20.089 22.580 22.797 20.834 19.658 17.378 18.039 17.998 15.598 14.226 13.837 13.252 11.316 9.181 10.549 9.888	5.968 8.998 12.385 15.769 21.795 19.948 20.235 17.703 19.603 22.6671 23.824 22.565 24.575 24.955 26.089 26.805 27.383 28.191 28.400 28.049 31.163 32.264 31.669 31.711 33.379	13.298 17.225 19.874 23.184 29.499 32.699 34.159 30.866 33.500 34.341 38.152 40.217 35.321 34.658 35.368 35.712 36.043 36.892 36.866 32.331 35.243 35.319	31.615 37.380 42.091 50.515 63.501 65.323 69.782 66.035 72.281 77.162 84.620 85.623 80.723 79.263 77.304 79.224 80.017 79.091 81.281 80.425 73.169 77.454 78.529	0.000 .000 .006 .043 .239 1.900 2.739 4.076 6.104 7.075 7.862 8.161 8.434 8.269 8.062 8.244 8.338 8.338 8.337 8.427 8.419 8.438 8.452 8.251 8.131 8.061	0.344 .397 .510 .672 .856 1.034 .953 .970 .999 1.061 .940 .922 .888 1.090 .916 .885 .850 .914 1.025 .982 .973 .973	NA NA (s) .001 .002 .011 .017 .032 .063 .069 .084 .111 .116 .117 .118 .118 .118 .118 .118	NA NA NA NA NA NA (s) .056 .059 .052 .068 .076 .094 .120 .161 .196 .251 .329 .384 .430 .511 .625 .764	NA NA NA NA NA NA (s) .010 .011 .019 .061 .323 .410 .480 .573 .620 .651 .774 .868 .930 1.010 1.153 1.290 1.482	1.562 1.424 1.320 1.335 1.431 1.499 2.475 3.016 2.735 3.101 3.008 3.114 4.506 4.616 4.517 4.861 5.013 5.053 5.053 5.058 4.753 4.874	1.907 1.821 1.830 2.008 2.289 2.544 3.445 4.018 3.863 4.297 4.096 4.233 5.896 6.350 6.557 6.796 6.823 7.110 7.374 7.526 7.586 7.290 7.645 8.107	33.527 39.215 43.942 52.565 66.036 76.038 74.268 82.256 88.668 96.694 98.101 95.142 93.966 91.677 94.253 95.332 94.478 94.083 93.886 97.396 96.595 88.871 93.364 94.838
2023 January	.750 .582 .620 .500 .550 .705 .913 .903 .716 .628 .629 .676 8.172	3.428 3.057 3.129 2.499 2.386 2.445 2.7760 2.773 2.464 2.523 2.920 3.300 33.683	2.868 2.678 3.006 2.878 3.014 2.975 3.108 2.911 3.067 2.978 2.975 35.448	7.043 6.315 6.753 5.875 5.948 6.138 6.645 6.781 6.087 6.216 6.525 6.946 77.271	.741 .636 .657 .592 .639 .677 .730 .729 .685 .642 .651 .720 8.099	.078 .068 .073 .068 .094 .074 .075 .073 .058 .053 .058	.010 .009 .010 .010 .010 .010 .010 .010	.044 .051 .067 .080 .091 .092 .097 .093 .081 .074 .057	.131 .141 .149 .146 .110 .094 .096 .097 .097 .123 .124 .130	.409 .368 .415 .386 .425 .412 .414 .427 .404 .418 .407 .431 4.916	.671 .637 .714 .690 .730 .682 .692 .699 .650 .679 .656 .687	8.466 7.595 8.132 7.164 7.326 7.504 8.071 8.213 7.423 7.537 7.834 8.356 93.621
2024 January February March April May June July August September October November December Total	.877 .559 .491 .466 .563 .720 .835 .815 .663 .591 .571 .746 7.896	3.856 3.076 2.899 2.482 2.416 2.518 2.843 2.812 2.504 2.517 2.807 3.473 34.205	2.886 2.728 2.924 2.876 3.080 2.901 3.052 3.068 2.893 3.092 2.869 2.981 35.349	7.619 6.362 6.310 5.819 6.056 6.134 6.728 6.691 6.057 6.198 6.244 7.196	.722 .675 .662 .602 .679 .713 .730 .729 .655 .614 .647 .744	.075 .069 .080 .066 .077 .072 .072 .073 .057 .054 .062	.010 .010 .010 .010 .010 .010 .010 .010	.053 .065 .084 .098 .112 .119 .117 .101 .095 .070 .065	.119 .142 .156 .162 .132 .130 .095 .098 .099 .137 .140 .138	.403 .394 .418 .398 .425 .409 .434 .432 .411 .424 .421 .423	.660 .679 .747 .734 .756 .740 .731 .730 .677 .719 .703 .705	9.007 7.717 7.718 7.154 7.491 7.592 8.198 8.157 7.396 7.537 7.596 8.652 94.216
2025 January	.941 .737 .598 2.277 1.927 1.952	4.058 3.352 2.840 10.251 9.832 9.614	3.058 2.682 2.951 8.691 8.539 8.552	8.056 R 6.771 6.388 21.215 20.291 20.111	.750 .646 .653 2.049 2.059 2.033	.072 .066 .075 .213 .223	.010 .009 .010 .030 .030	.074 .080 .111 .265	.149 .135 .173 . 456 . 417 . 421	.398 .369 .401 1.168 1.215 1.191	.704 .658 .771 2.133 2.087 2.023	9.519 R 8.082 7.814 25.415 24.443 24.193

separately displayed. See Table 1.4c.

a Includes non-combustion use of fossil fuels.
b Most data are estimates. See Tables 10.1–10.2c for notes on series components and estimation; and see Note, "Renewable Energy Production and

Consumption," at end of Section 10.

^c Natural gas only; excludes supplemental gaseous fuels. See Note 3, "Supplemental Gaseous Fuels," at end of Section 4.

^d Petroleum products supplied; excludes biofuels. Biofuels are included in

[&]quot;Biomass."

e Includes coal coke net imports. See Table 1.4c.

^f Conventional hydroelectric power.

g Includes coal coke net imports and electricity net imports, which are not

separately displayed. See Iable 1.4c.

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

Notes:

See "Primary Energy Consumption" in Glossary.

See Table D1 for estimated energy consumption for 1635–1945.

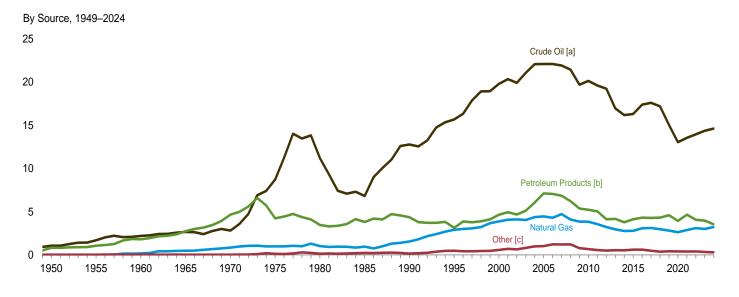
Totals may not equal sum of components due to independent rounding.

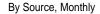
Geographic coverage is the 50 states and the District of Columbia.

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

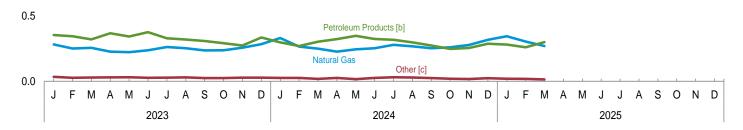
beginning in 1973. Sources: See end of section.

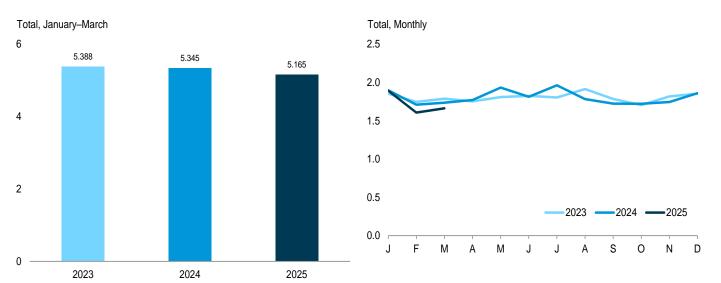
Figure 1.4a Primary Energy Imports











- [a] Crude oil and lease condensate, includes imports into the Strategic Petroleum Reserve, which began in 1977.
- [b] Petroleum products, unfinished oils, natural gasoline, and gasoline blending components. Does not include biofuels.
- $\mbox{[c]}$ Coal, coal coke, biomass, and electricity.

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

Source: Table 1.4a.

Table 1.4a Primary Energy Imports by Source

					Imports				
					Petroleum				
	Coal	Coal Coke	Natural Gas	Crude Oil ^a	Petroleum Products ^b	Total	Biomass ^c	Electricity	Total
1950 Total	0.009	0.011	0.000	1.056	0.830	1.886	NA	0.007	1.913
1955 Total	.008	.003	.011	1.691	1.061	2.752	NA	.016	2.790
1960 Total	.007	.003	.161	2.196	1.802	3.999	NA	.018	4.188
1965 Total	.005	.002	.471	2.654	2.748	5.402	NA	.012	5.892
1970 Total	.001 .024	.004 .045	.846 .978	2.814 8.721	4.656 4.227	7.470 12.948	NA NA	.021 .038	8.342 14.032
1975 Total1980 Total	.030	.016	1.006	11.195	3.463	14.658	NA NA	.085	15.796
1985 Total	.049	.014	.952	6.814	3.796	10.609	NA NA	.157	11.781
1990 Total	.067	.019	1.551	12.766	4.351	17.117	NA	.063	18.817
1995 Total	.237	.095	2.901	15.669	3.131	18.800	.001	.146	22.180
2000 Total	.313	.094	3.869	19.783	4.641	24.424	(s)	.166	28.865
2005 Total	.762	.088	4.450	22.091	7.108	29.198	.012	.150	34.659
2010 Total	.484	.030	3.834	20.140	5.219	25.359	.004	.154	29.866
2011 Total	.327 .212	.035 .028	3.555 3.216	19.595 19.239	5.038 4.122	24.633 23.361	.019 .049	.178 .202	28.748 27.068
2012 Total 2013 Total	.199	.028	2.955	16.957	4.169	21.126	.102	.236	24.623
2014 Total	.252	.002	2.763	16.178	3.773	19.951	.046	.227	23.241
2015 Total	.256	.003	2.786	16.299	4.111	20.410	.079	.259	23.794
2016 Total	.220	.006	3.082	17.392	4.309	21.700	.123	.248	25.378
2017 Total	.168	.001	3.109	17.597	4.277	21.874	.081	.224	25.458
2018 Total	.122	.003	2.961	17.192	4.309	21.501	.048	.199	24.833
2019 Total	.138	.003	2.810	15.045	4.596	19.641	.072	.201	22.865
2020 Total	.105	.004	2.615	13.044	3.937 4.661	16.980	.074	.210	19.988
2021 Total 2022 Total	.109 .135	.003 .002	2.878 3.100	13.539 13.951	4.052	18.200 18.003	.083 .073	.181 .194	21.455 21.507
2022 10(01	.100	.002	3.100	10.331	7.032	10.003	.073	.134	21.507
2023 January	.010	(s)	.282	1.184	.353	1.537	.008	.015	1.853
February	.007	(s)	.250	1.126	.344	1.470	.008	.012	1.747
March	.006	(s)	.256	1.185	.320	1.505	.009	.013	1.789
April	.009	.001	.226	1.132	.367	1.498	.008	.012	1.754
May	.007	(s)	.222	1.215	.342	1.558	.011	.013	1.810
June	.006 .007	.001 .001	.237 .262	1.186 1.185	.375 .328	1.561 1.513	.009 .008	.010 .011	1.825 1.804
July August	.007	.001 (s)	.253	1.314	.319	1.633	.012	.010	1.915
September	.007	(s)	.236	1.216	.308	1.524	.010	.008	1.785
October	.009	.001	.237	1.152	.291	1.443	.007	.008	1.705
November	.007	.001	.257	1.260	.273	1.533	.011	.008	1.818
December	.005	(s)	.284	1.207	.335	1.542	.012	.011	1.853
Total	.088	.005	3.001	14.362	3.954	18.316	.114	.133	21.658
2024 January	.002	(c)	.331	1.245	.297	1.543	.011	.012	1.899
2024 January February	.002	(s) (s)	.265	1.149	.269	1.419	.014	.009	1.710
March	.002	(s)	.249	1.164	.302	1.467	.009	.008	1.736
April	.006	(s)	.227	1.196	.322	1.519	.013	.006	1.772
May	.002	(s)	.244	1.326	.347	1.673	.008	.006	1.934
June	.005	(s)	.253	1.212	.323	1.535	.012	.010	1.814
July	.004	.001	.278	1.339	.317	1.655	.012	.014	1.964
August	.007	.001	.267	1.189	.297	1.486	.010	.012	1.783
September	.006 .003	(s) .001	.253 .260	1.174 1.194	.273 .247	1.447	.009 .007	.011 .010	1.725 1.722
October November	.003	.001 (s)	.277	1.194	.255	1.441 1.451	.007	.006	1.745
December	.003	(s)	.317	1.232	.287	1.519	.009	.012	1.860
Total	.047	.003	3.223	14.617	3.538	18.155	.121	.113	21.663
2025 January	.006	(s)	.344	1.250	.281	1.530	(s)	R.014	R 1.894
February	.005	(s)	.303	1.026	.260	1.286	.003	R.011	R 1.607
March	.004	(s)	.269	1.082	.299	1.380	.002	.008	1.664
3-Month Total	.015	(s)	.916	3.357	.839	4.196	.005	.033	5.165
2024 3-Month Total 2023 3-Month Total	.008 .022	(s) (s)	.845 .788	3.559 3.495	.869 1.016	4.428 4.511	.034 .026	.029 .041	5.345 5.388

a Crude oil and lease condensate. Includes imports into the Strategic Petroleum

Notes: • See "Primary Energy" in Glossary. • 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/#summary (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

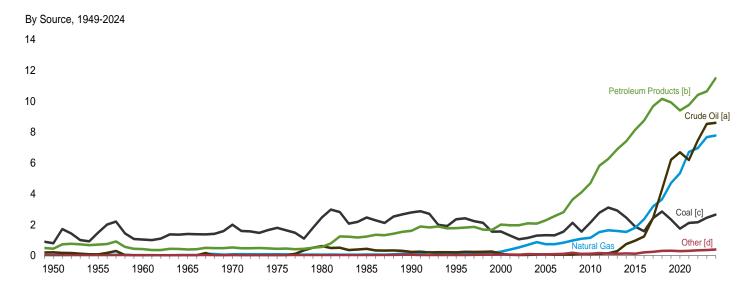
Reserve, which began in 1977.

b Petroleum products, unfinished oils, natural gasoline, and gasoline blending components. Does not include biofuels.

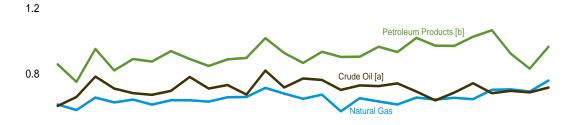
^c Beginning in 1993, includes fuel ethanol (minus denaturant). Beginning in

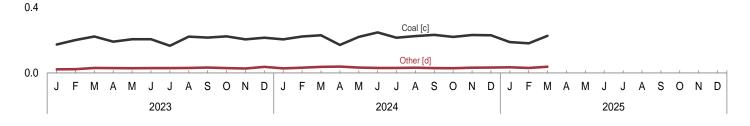
^{2001,} also includes biodiesel. Beginning in 2011, also includes renewable diesel fuel. Beginning in 2021, also includes other biofuels.
R=Revised. NA=Not available. (s)=Less than 0.5 trillion Btu.

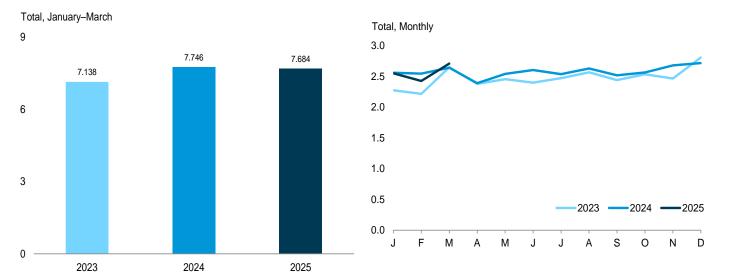
Figure 1.4b Primary Energy Exports



By Source, Monthly







- [a] Crude oil and lease condensate.
- [b] Petroleum products, unfinished oils, natural gasoline, and gasoline blending components. Does not include biofuels.
- [c] Includes coal coke.

[d] Biomass and electricity

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

Source: Table 1.4b.

Table 1.4b Primary Energy Exports by Source

					Exports				
					Petroleum				
	Coal	Coal Coke	Natural Gas	Crude Oil ^a	Petroleum Products ^b	Total	Biomass ^c	Electricity	Total
1950 Total	0.786	0.010	0.027	0.202	0.440	0.642	NA	0.001	1.465
1955 Total	1.465	.013	.032	.067	.707	.774	NA	.002	2.286
1960 Total	1.023	.009	.012	.018	.413	.431	NA	.003	1.477
1965 Total	1.376	.021	.027	.006	.386	.392	NA	.013	1.829
1970 Total	1.936	.061	.072	.029	.520	.549	NA	.014	2.632
1975 Total	1.761	.032	.074	.012	.427	.439	NA	.017	2.323
1980 Total	2.421	.051	.049	.609	.551	1.160	NA	.014	3.695
1985 Total	2.438	.028	.056	.432	1.225	1.657	NA	.017	4.196
1990 Total	2.772	.014	.087	.230	1.594	1.824	NA	.055	4.752
1995 Total	2.318	.034	.156	.200	1.776	1.976	NA	.012	4.496
2000 Total	1.528	.028	.245	.106	2.003	2.110	NA (=)	.051	3.962
2005 Total	1.273	.043	.735 1.147	.067 .088	2.276 4.691	2.344 4.780	(s) .047	.065	4.462 8.176
2010 Total 2011 Total	2.101 2.751	.036 .024	1.519	.100	5.820	5.919	.108	.065 .051	10.373
2012 Total	3.087	.024	1.633	.143	6.261	6.404	.078	.041	11.267
2013 Total	2.895	.021	1.587	.284	6.886	7.170	.076	.039	11.788
2014 Total	2.435	.023	1.528	.744	7.414	8.158	.081	.045	12.270
2015 Total	1.852	.021	1.800	.964	8.153	9.118	.080	.031	12.902
2016 Total	1.546	.025	2.356	1.238	8.752	9.990	.181	.021	14.119
2017 Total	2.388	.030	3.182	2.424	9.684	12.108	.206	.032	17.946
2018 Total	2.824	.029	3.640	4.277	10.158	14.434	.249	.047	21.224
2019 Total	2.305	.024	4.700	6.212	9.926	16.139	.240	.068	23.476
2020 Total	1.725	.017	5.332	6.699	9.410	16.108	.234	.048	23.464
2021 Total	2.061	.052	6.712	6.191	9.761	15.952	.247	.047	25.071
2022 Total	2.093	.057	6.969	7.468	10.417	17.885	.278	.054	27.335
2023 January	.170	.003	.614	.605	.859	1.465	.018	.004	2.275
February	.199	.002	.580	.660	.752	1.412	.018	.005	2.216
March	.221	.002	.656	.784	.953	1.737	.026	.005	2.647
April	.189	.002	.626	.711	.822	1.533	.024	.006	2.380
May	.203 .203	.003 .003	.644 .613	.683 .673	.892 .876	1.575 1.548	.024 .026	.004 .005	2.454 2.398
June July	.161	.003	.640	.697	.940	1.636	.023	.003	2.390
August	.219	.003	.640	.782	.892	1.675	.025	.006	2.567
September	.212	.004	.631	.711	.849	1.560	.026	.008	2.441
October	.221	.002	.658	.733	.889	1.623	.024	.007	2.534
November	.202	.003	.660	.675	.898	1.573	.021	.006	2.465
December	.210	.005	.715	.821	1.019	1.840	.031	.006	2.807
Total	2.411	.038	7.678	8.535	10.641	19.176	.285	.068	29.656
2024 January	.204	.001	.680	.718	.928	1.646	.021	.006	2.559
February	.222	.002	.649	.773	.868	1.641	.024	.008	2.546
March	.225	.004	.674	.764	.936	1.701	.028	.009	2.641
April	.166	.004	.572	.703	.904	1.608	.031	.008	2.389
May	.217	.002	.652	.730	.906	1.635	.027	.006	2.540
June	.243	.005	.632	.726	.967	1.693	.026	.005	2.604
July	.213	.002	.614	.743	.934	1.677	.026	.005	2.537
August	.221	.005	.656	.693	1.021	1.714	.028	.004	2.628
September October	.230 .218	.003 .003	.644 .655	.639	.973 .972	1.611	.026 .026	.003 .003	2.518
KI	.229	.003	0.40	.686 744	4 007	1.658 1.770	.028	.003	2.563 2.680
December	.226	.003	.646 .704	.744 .683	1.027 1.067	1.770 1.750	.028	.004	2.680 2.716
Total	2.614	.038	7.778	8.601	11.503	20.104	.321	.066	30.921
2025 January	.188	.001	.706	.697	.924	1.621	R.031	R.004	2.551
February	.179	.001	.693	.688	.833	1.520	.027	R.004	R 2.425
March	.226	.001	.760	.717	.967	1.684	.032	.005	2.708
3-Month Total	.593	.004	2.158	2.101	2.723	4.825	.090	.014	7.684
2024 3-Month Total	.651	.007	2.003	2.255	2.733	4.988	.073	.023	7.746
2023 3-Month Total	.590	.008	1.850	2.049	2.564	4.613	.062	.014	7.138

Notes: • See "Primary Energy" in Glossary. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

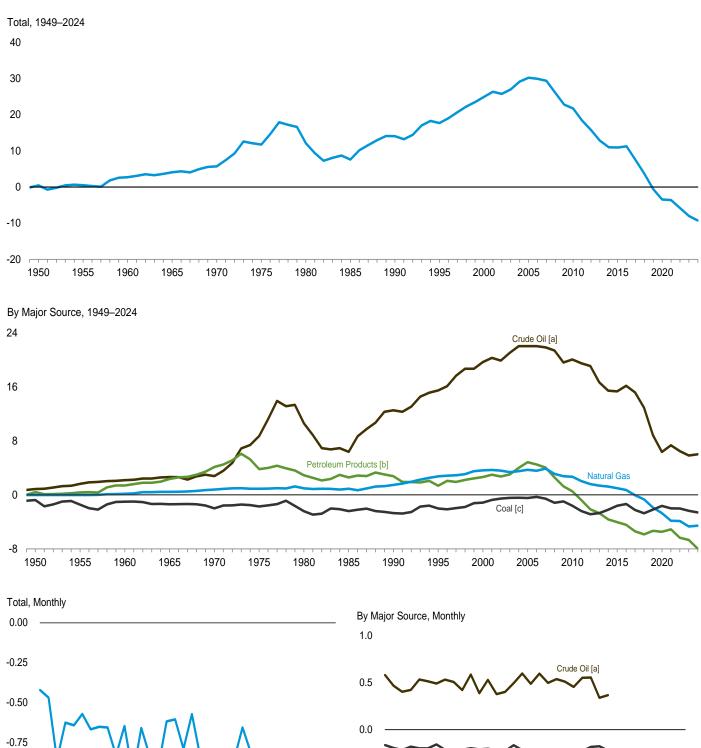
Web Page: See http://www.eia.gov/totalenergy/data/monthly/#summary (Excel and CSV files) for all available annual data beginning in 1979.

beginning in 1973.
Sources: See end of section.

a Crude oil and lease condensate.
 b Petroleum products, unfinished oils, natural gasoline, and gasoline blending components. Does not include biofuels.
 c Beginning in 2001, includes biodiesel. Beginning in 2010, also includes fuel ethanol (minus denaturant). Beginning in 2016, also includes wood and wood-derived fuels. Beginning in 2025, also includes renewable diesel fuel and other biofuels. other biofuels.

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

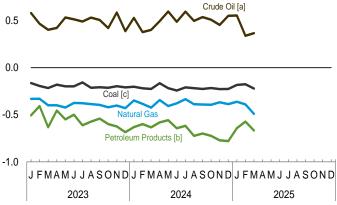
Figure 1.4c Primary Energy Net Imports





[a] Crude oil and lease condensate. Includes imports into the Strategic Petroleum Reserve, which began in 1977.

[b] Petroleum products, unfinished oils, natural gasoline, and gasoline blending components. Does not include biofuels.



[c] Includes coal coke.

Web Page: http://www.eia.gov/totalenergy/data/monthly/#summary. Source: Table 1.4c.

Table 1.4c Primary Energy Net Imports by Source

					Net Imports ^a				
					Petroleum				
	Coal	Coal Coke	Natural Gas	Crude Oil ^b	Petroleum Products ^c	Total	Biomass d	Electricity	Total
1950 Total	-0.777	0.001	-0.027	0.854	0.390	1.244	NA	0.006	0.448
1955 Total	-1.456	010	021	1.624	.354	1.978	NA	.014	.504
1960 Total	-1.017	006	.149	2.178	1.389	3.568	NA	.015	2.710
1965 Total	-1.372	018	.444	2.648	2.362	5.010	NA	(s)	4.063
1970 Total	-1.935	058	.774	2.785	4.136	6.921	NA	.007	5.709
1975 Total	-1.738	.014	.904	8.708	3.800	12.508	NA	.021	11.709
1980 Total	-2.391	035	.957	10.586	2.912	13.499	NA	.071	12.101
1985 Total	-2.389	013	.896	6.381	2.570	8.952	NA	.140	7.584
1990 Total	-2.705	.005	1.464	12.536	2.757	15.293	NA NA	.008	14.065
1995 Total	-2.081 -1.215	.061 .065	2.745	15.469	1.355	16.824 22.314	NA NA	.134	17.684
2000 Total 2005 Total	-1.215 512	.044	3.623 3.714	19.676 22.023	2.638 4.831	26.855	.011	.115 .085	24.904 30.197
2010 Total	-1.617	006	2.687	20.052	.528	20.580	042	.089	21.690
2011 Total	-2.423	.011	2.036	19.495	781	18.714	089	.127	18.375
2012 Total	-2.875	.004	1.583	19.096	-2.139	16.957	029	.161	15.801
2013 Total	-2.696	017	1.369	16.673	-2.717	13.956	.026	.197	12.835
2014 Total	-2.183	022	1.235	15.434	-3.641	11.793	034	.182	10.971
2015 Total	-1.596	018	.986	15.335	-4.042	11.292	001	.227	10.892
2016 Total	-1.326	019	.725	16.154	-4.443	11.710	058	.227	11.259
2017 Total	-2.220	029	073	15.173	-5.407	9.766	124	.192	7.512
2018 Total	-2.702	026	679	12.915	-5.849	7.066	201	.152	3.610
2019 Total	-2.167	021	-1.889	8.833	-5.331	3.502	168	.133	610
2020 Total	-1.620	013	-2.717	6.345	-5.473	.872	159	.161	-3.476
2021 Total	-1.952	049	-3.834	7.348	-5.100	2.248	163	.134	-3.616
2022 Total	-1.957	056	-3.869	6.483	-6.365	.118	205	.141	-5.828
2023 January	161	003	332	.579	507	.072	010	.011	422
February	192	002	330	.466	- 408	.058	010	.007	470
March	215	002	400	.401	633	232	017	.009	858
April	179	002	400	.421	455	035	016	.007	626
May	196	003	423	.532	549	017	014	.009	643
June	197	002	375	.513	500	.013	016	.006	572
July	154	003	378	.489	612	123	015	.004	668
August	212	003	388	.531	573	042	013	.005	652
September	205	004	395	.505	541	036	015	(s)	656
October	212	002	421	.419	599	180	016	.001	830
November	194	002	403	.585 .386	625	040	010	.002	647
December	205	005	431 4.677		685 6.697	298	019 171	.005	954 7.009
Total	-2.323	032	-4.677	5.827	-6.687	860	17 1	.065	-7.998
2024 January	202	001	349	.528	631	104	010	.006	660
February	218	002	385	.376	599	223	010	.001	837
March	223	004	425	.400	634	234	019	001	906
April	160	004	345	.493	582	089	018	002	618
May	215	002	408	.596	558	.038	019	(s)	606
June	238 208	005 002	379 335	.486 .595	644 617	158 022	014 014	.005 .008	790 573
July	214	002	389	.496	724	022 228	014	.007	845
August September	214 224	004	309 391	.536	700	226 164	017	.007	793
October	215	003	394	.508	725	217	020	.006	841
November	225	003	368	.453	772	319	021	.002	934
December	223	004	387	.550	780	231	019	.007	856
Total	-2.567	035	-4.555	6.016	-7.965	-1.949	199	.047	-9.258
2025 January	182	001	362	.553	643	091	030	.010	656
February	175	001	390	.338	573	235	024	R.006	R818
March	221	001	491	.365	668	303	031	.003	-1.044
3-Month Total	578	004	-1.242	1.256	-1.884	629	085	.019	-2.518
2024 3-Month Total	643	006	-1.158	1.304	-1.864	560	039	.005	-2.402
2023 3-Month Total	568	007	-1.156	1.446	-1.548	102	039	.027	-2.402 -1.750

biofuels exports.
R=Revised. NA=Not available. (s)=Less than 0.5 trillion Btu.
Notes: • See "Primary Energy" in Glossary. • 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/#summary (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973. Sources: Tables 1.4a and 1.4b.

a Net imports equal imports minus exports.
 b Crude oil and lease condensate. Includes imports into the Strategic Petroleum Reserve, which began in 1977.

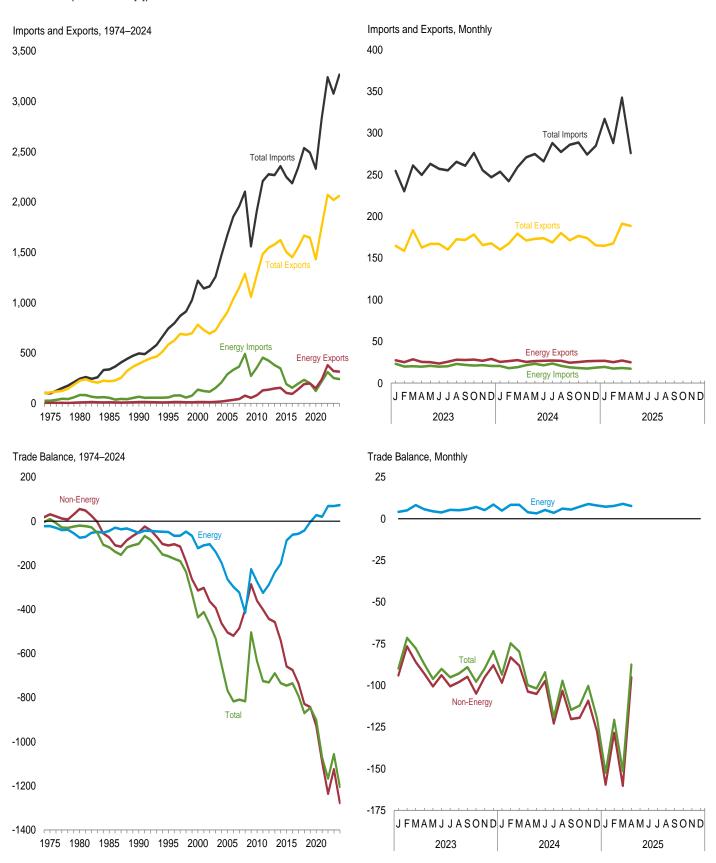
^C Petroleum products, unfinished oils, natural gasoline, and gasoline blending

components. Does not include biofuels.

d Beginning in 1993, includes fuel ethanol (minus denaturant) imports. Beginning in 2001, also includes biodiesel imports and exports. Beginning in 2010, also includes fuel ethanol (minus denaturant) exports. Beginning in 2011, also includes renewable diesel fuel imports. Beginning in 2021, also includes other biofuels imports. Beginning in 2025, also includes renewable diesel fuel and other

Figure 1.5 Merchandise Trade Value





[a] Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary. Web Page: http://www.eia.gov/totalenergy/data/monthly/#summary. Source: Table 1.5.

Table 1.5 Merchandise Trade Value

(Million Dollarsa)

		Petroleum ⁱ)		Energy ^c		Non-		Total Merchandise		
	Exports	Imports	Balance	Exports	Imports	Balance	Energy Balance	Exports	Imports	Balance	
1974 Total 1975 Total 1985 Total 1980 Total 1990 Total 1995 Total 2000 Total 2005 Total 2011 Total 2012 Total 2015 Total 2016 Total 2017 Total 2017 Total 2018 Total 2019 Total 2020 Total 2019 Total 2019 Total 2020 Total	792 907 2,833 4,707 6,901 6,321 10,192 19,155 64,753 b102,180 111,949 123,244 127,818 85,890 74,921 104,975 149,715 156,390 110,373 157,530	24,668 25,197 78,637 50,475 61,583 54,368 119,251 250,068 333,472 b431,866 408,509 363,141 326,709 177,455 142,920 181,672 219,493 189,040 113,077 198,648	-23,876 -24,289 -75,803 -45,768 -54,682 -48,047 -109,059 -230,913 -268,719 b-329,686 -296,560 -239,897 -198,891 -91,565 -67,999 -76,697 -69,778 -32,650 -2,704 -41,118	3,444 4,470 7,982 9,971 12,233 10,358 13,179 26,488 80,625 128,989 136,054 147,572 154,498 103,612 92,971 137,920 190,888 197,740 150,074 236,233	25,454 26,476 82,924 53,917 64,661 59,109 135,367 289,723 354,982 453,839 423,860 379,758 347,474 190,501 153,800 194,790 232,746 200,829 122,486 215,734	-22,010 -22,006 -74,942 -43,946 -52,428 -48,751 -122,188 -263,235 -274,357 -324,850 -287,806 -232,186 -192,976 -86,889 -60,829 -56,870 -41,858 -3,089 27,588 20,499 R 68,980	18,126 31,557 55,246 -73,765 -50,068 -110,050 -313,916 -504,242 -361,005 -400,597 -442,640 -457,284 -541,506 -658,594 -674,497 -735,526 -828,500 -842,670 -929,070 -1,091,271	99,437 108,856 225,566 218,815 393,592 584,742 781,918 905,978 1,278,495 1,482,508 1,545,821 1,578,517 1,621,874 1,503,328 1,451,460 1,547,195 1,665,787 1,645,940 1,429,995 1,757,744	103,321 99,305 245,262 336,526 496,088 743,543 1,218,022 1,673,455 1,913,857 2,207,954 2,276,267 2,267,987 2,356,356 2,248,811 2,186,786 2,339,591 2,536,145 2,491,700 2,331,477 2,828,515	-3,884 9,551 -19,696 -117,712 -102,496 -158,801 -436,104 -767,477 -635,362 -725,447 -730,446 -689,470 -734,482 -745,483 -735,326 -792,396 -870,358 -845,759 -901,482 -1,070,772	
February	R 17,496 R 19,434 R 21,751 R 21,349 R 21,017 R 19,632 R 21,862	R 20,190 17,922 R 18,844 R 18,633 R 19,737 R 18,762 R 19,020 R 21,828 R 20,804 R 20,998 R 20,159 R 19,217	R-1,632 R-431 R1,640 R-80 R-1,186 R-1,266 R414 R-77 R545 R1,019 R-527 R2,645 R1,064	R 27,359 R 25,044 R 25,044 R 25,402 R 25,148 R 23,471 R 25,542 R 28,093 R 27,684 R 28,164 R 26,703 R 29,109 R 320,271	23,215 R 19,954 R 20,304 R 19,675 R 20,644 R 19,679 R 20,173 R 22,966 R 21,862 R 21,060 R 21,486 R 20,579 R 251,596	R 4,144 R 5,090 R 8,247 R 5,727 R 4,504 R 3,792 R 5,369 R 5,127 R 5,822 R 7,104 R 5,217 R 8,530 R 68,675	R-93,998 R-76,539 R-85,920 R-92,931 R-100,605 R-93,849 R-100,504 R-97,992 R-94,795 R-104,946 R-95,033 R-87,880	R 164,772 R 158,721 R 183,571 R 162,666 R 167,144 R 167,154 R 160,198 R 172,691 R 171,890 R 178,336 R 165,646 R 167,692	R 254,626 R 230,170 R 261,244 R 249,869 R 263,245 R 257,211 R 255,333 R 265,555 R 260,863 R 276,179 R 255,461 R 247,041	R-89,854 R-71,449 R-77,673 R-87,204 R-96,101 R-90,057 R-95,135 R-92,865 R-88,973 R-97,842 R-89,816 R-79,350	
Petron September December Total	R 18,856 R 19,522 R 19,047	R 18,504 R 16,685 R 18,258 R 20,871 R 22,538 R 20,614 R 22,593 R 18,064 R 17,226 R 16,500 R 17,379 R 228,975	R 43 R 2,558 R 2,680 R -875 R -2,102 R -217 R -1,625 R 981 R 280 R 1,630 R 3,022 R 1,668 R 8,045	R 25,464 R 26,363 R 27,537 R 25,460 R 26,454 R 26,696 R 27,141 R 26,732 R 24,391 R 25,331 R 26,276 R 26,582 R 314,426	R 20,555 R 17,957 R 19,163 R 21,568 R 23,229 R 21,413 R 23,529 R 20,647 R 18,862 R 18,096 R 17,391 R 18,576 R 240,985	R 4,909 R 8,406 R 8,374 R 3,892 R 3,225 R 5,283 R 3,612 R 6,085 R 5,529 R 7,235 R 8,885 R 8,006	R-98,436 R-83,172 R-88,091 R-103,716 R-105,086 R-97,359 R-122,851 R-103,242 R-120,156 R-119,334 R-109,159 R-127,559	R 160,165 R 167,464 R 179,370 R 171,150 R 173,045 R 173,980 R 168,888 R 180,150 R 171,336 R 176,745 R 174,038 R 165,358	R 253,693 R 242,229 R 259,087 R 270,974 R 274,906 R 266,057 R 288,127 R 277,306 R 285,963 R 288,844 R 274,312 R 284,911	R-93,527 R-74,766 R-79,717 R-99,824 R-101,861 R-92,076 R-119,239 R-97,157 R-114,627 R-112,099 R-100,274 R-119,553 R-1,204,719	
Pebruary	18,682 17,158 18,461 16,623 70,924	17,764 15,304 16,459 16,002 65,529	918 1,854 2,002 621 5,395	26,708 25,178 27,137 24,889 103,913	19,454 17,408 18,188 17,224 72,274	7,254 7,770 8,949 7,665 31,638	-159,618 -128,389 R-160,265 -95,158 -543,430	164,862 167,575 R 191,411 188,593 712,441	317,227 288,194 R 342,727 276,086 1,224,233	-152,364 -120,619 R-151,316 -87,493 -511,792	
2024 4-Month Total 2023 4-Month Total	78,724 75,086	74,317 75,589	4,406 -503	104,824 106,356	79,243 83,148	25,581 23,208	-373,415 -349,388	678,149 669,729	1,025,983 995,909	-347,834 -326,180	

components due to independent rounding. • The U.S. import statistics reflect both government and nongovernment imports of merchandise from foreign countries into the U.S. customs territory, which comprises the 50 states, the District of Columbia, Puerto Rico, and the Virgin Islands.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/#summary (Excel and CSV files) for all available annual and monthly data beginning in 1974. Sources: See end of section.

 $^{^{\}rm a}$ Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary. $^{\rm b}$ Through 2010, data are for crude oil, petroleum preparations, liquefied propane and butane, and other mineral fuels. Beginning in 2011, data are for petroleum products and preparations.

^c Petroleum, coal, natural gas, and electricity.

R=Revised.

Notes: • Monthly data are not adjusted for seasonal variations. • See Note 1, "Merchandise Trade Value," at end of section. • Totals may not equal sum of

Figure 1.6 Cost of Fuels to End Users In Real (1982-1984) Dollars

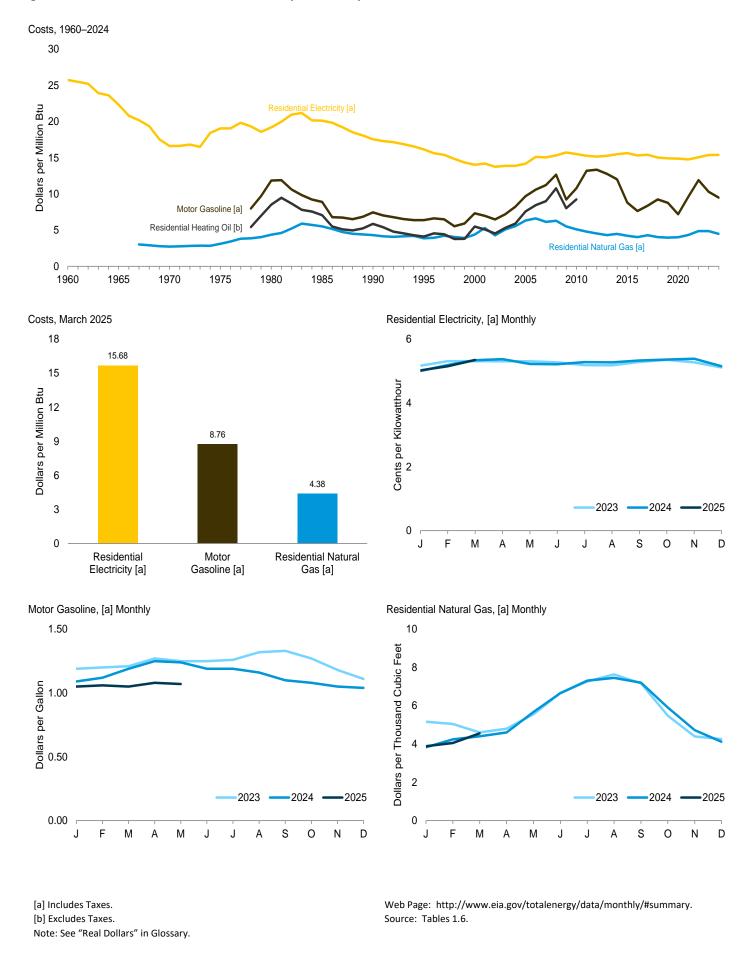


Table 1.6 Cost of Fuels to End Users in Real (1982–1984) Dollars

	Consumer Price Index, All Urban Consumers ^a	Motor G	asoline ^b		dential ng Oil ^c	Resid Natura		Resid Electr	
	Index 1982–1984=100	Dollars per Gallon	Dollars per Million Btu	Dollars per Gallon	Dollars per Million Btu	Dollars per Thousand Cubic Feet	Dollars per Million Btu	Cents per Kilowatthour	Dollars per Million Btu
1060 Average	29.6	NA	NA	NA	NA	NA	NA	8.8	25.74
1960 Average 1965 Average	31.5	NA	NA NA	NA	NA NA	NA	NA	7.6	22.33
1970 Average	38.8	NA	NA	NA	NA	2.81	2.72	5.7	16.62
1975 Average	53.8	NA	NA	NA	NA	3.18	3.12	6.5	19.07
1980 Average	82.4	1.482	11.85	1.182	8.52	4.47	4.36	6.6	19.21
1985 Average	107.6	1.112	8.89	0.979	7.06	5.69	5.52	6.87	20.13
1990 Average	130.7	0.931	7.44	0.813	5.86	4.44	4.31	5.99	17.56
1995 Average	152.4 172.2	0.791 0.908	6.38 7.33	0.569 0.761	4.10 5.49	3.98 4.51	3.87 4.39	5.51 4.79	16.15 14.02
2000 Average 2005 Average	195.3	1.197	7.33 9.68	1.051	7.58	6.50	6.33	4.84	14.02
2010 Average	218.056	1.301	10.78	1.283	9.25	5.22	5.11	5.29	15.51
2011 Average	224.939	1.590	13.19	NA	NA	4.90	4.80	5.21	15.27
2012 Average	229.594	1.609	13.35	NA	NA	4.64	4.53	5.17	15.17
2013 Average	232.957	1.538	12.77	NA	NA	4.43	4.31	5.21	15.26
2014 Average	236.736	1.447	12.01	NA	NA	4.63	4.49	5.29	15.50
2015 Average	237.017	1.059	8.80	NA	NA	4.38	4.22	5.34	15.64
2016 Average	240.007	0.918	7.63	NA	NA	4.19	4.03	5.23	15.33
2017 Average	245.120	1.007	8.37	NA	NA	4.45	4.29	5.26	15.41
2018 Average	251.107	1.113	9.25	NA	NA	4.18	4.03	5.13 5.00	15.02
2019 Average	255.657 258.811	1.055 0.866	8.77 7.20	NA NA	NA NA	4.11 4.17	3.95 4.01	5.09 5.08	14.91 14.89
2020 Average 2021 Average	270.970	1.156	9.62	NA	NA NA	4.50	4.33	5.04	14.77
2022 Average	292.655	1.432	11.92	NA	NA	5.04	4.86	5.14	15.06
0000	000 470	4.400	0.00	N I A	NIA	F 40	4.07	E 47	45.40
2023 January	299.170	1.188	9.88	NA	NA NA	5.16	4.97	5.17	15.16
February March	300.840 301.836	1.204 1.213	10.02 10.09	NA NA	NA NA	5.05 4.61	4.86 4.44	5.31 5.31	15.57 15.57
April	303.363	1.265	10.53	NA	NA	4.80	4.62	5.31	15.55
May	304.127	1.248	10.38	NA	NA	5.55	5.35	5.31	15.55
June	305.109	1.252	10.42	NA	NA	6.66	6.42	5.27	15.46
July	305.691	1.257	10.45	NA	NA	7.27	7.00	5.19	15.21
August	307.026	1.324	11.01	NA	NA	7.64	7.36	5.18	15.19
September	307.789	1.334	11.10	NA	NA	7.17	6.90	5.29	15.49
October	307.671	1.271	10.57	NA	NA	5.48	5.28	5.36	15.70
November	307.051	1.180	9.82	NA	NA	4.39	4.23	5.27	15.45
December	306.746	1.112	9.25	NA	NA	4.25	4.10	5.11	14.99
Average	304.702	1.238	10.29	NA	NA	5.05	4.87	5.25	15.39
2024 January	308.417	1.087	9.04	NA	NA	3.83	3.69	5.01	14.67
February	310.326	1.123	9.34	NA	NA	4.24	4.08	5.19	15.21
March	312.332	1.187	9.87	NA	NA	4.41	4.24	5.34	15.65
April	313.548	1.246	10.37	NA	NA NA	4.61	4.43	5.38	15.76
May	314.069	1.237	10.29	NA NA	NA NA	5.68	5.46	5.22	15.31
June July	314.175 314.540	1.187 1.191	9.87 9.91	NA NA	NA NA	6.66 7.31	6.41 7.04	5.22 5.28	15.29 15.48
August	314.796	1.159	9.64	NA	NA	7.46	7.18	5.28	15.46
September	315.301	1.103	9.18	NA	NA	7.20	6.93	5.33	15.63
October	315.664	1.081	8.99	NA	NA	5.90	5.68	5.36	15.72
November	315.493	1.051	8.74	NA	NA	4.73	4.55	5.39	15.79
December	315.605	1.038	8.64	NA	NA	4.11	3.96	5.15	15.10
Average	313.689	1.141	9.49	NA	NA	4.65	4.48	5.25	15.40
2025 January	317.671	1.052	8.75	NA	NA	3.89	3.74	5.02	14.72
February	319.082	1.064	8.85	NA	NA	4.06	3.90	5.15	15.10
March	319.799	1.053	8.76	NA	NA	^R 4.56	^R 4.38	^R 5.35	^R 15.68
April	320.795	1.080	8.99	NA	NA	NA	NA	NA	NA
May	321.465	1.071	8.91	NA	NA	NA	NA	NA	NA

a Data are U.S. city averages for all items, and are not seasonally adjusted.

Notes: • See "Real Dollars" in Glossary. • Fuel costs are calculated by using the Urban Consumer Price Index (CPI) developed by the Bureau of Labor Statistics. • Annual averages may not equal average of months 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/#summary (Excel and CSV files) for all available annual data beginning in 1960 and monthly data beginning in 1995.

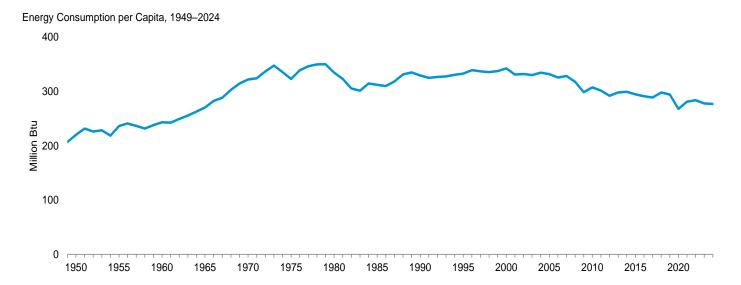
Sources: • Fuel Prices: Tables 9.4 (All Grades), 9.8, and 9.10, adjusted by the CPI; and *Monthy Energy Review*, September 2012, Table 9.8c. • Consumer Price Index, All Urban Consumers: U.S. Department of Labor, Bureau of Labor Statistics, series ID CUUR0000SA0. • Conversion Factors: Tables A1, A3, A4, and A6.

b Includes taxes.

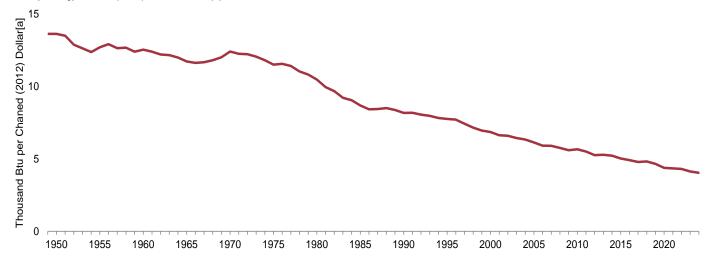
c Excludes taxes.

R=Revised. NA=Not available.

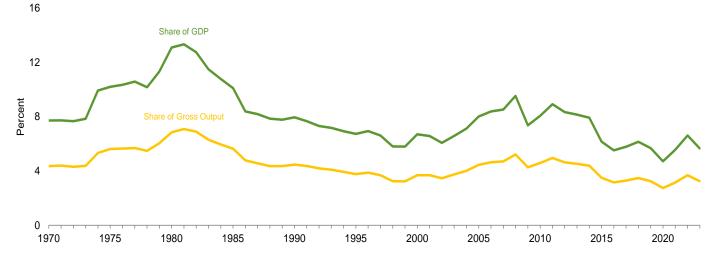
Figure 1.7 Primary Energy Consumption and Energy Expenditures Indicators



Primary Energy Consumption per Real Dollar [a] of Gross Domestic Product, 1949–2024



Energy Expenditures as Share of Gross Domestic Product and Gross Output,[b] 1970–2023



[a] See "Chained Dollars" and "Real Dollars" in Glossary.

[b] Gross output is the value of gross domestic product (GDP) plus the value of intermediate inputs used to produce GDP.

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

Source: Table 1.7.

Table 1.7 Primary Energy Consumption, Energy Expenditures, and **Carbon Dioxide Emissions Indicators**

	Primar	y Energy Cons	sumptiona		Energy E	xpendituresb		Carbo	on Dioxide Em	issions ^c
	Consump- tion	Consump- tion per Capita	Consumption per Real Dollar ^d of GDP ^e	Expendi- tures	Expendi- tures per Capita	Expenditures as Share of GDP ^e	Expenditures as Share of Gross Output ^f	Emissions	Emissions per Capita	Emissions per Real Dollar ^d of GDP ^e
	Quadrillion Btu	Million Btu	Thousand Btu per Chained (2017) Dollar ^d	Million Nominal Dollars ^g	Nominal Dollars ^g	Percent	Percent	Million Metric Tons Carbon Dioxide	Metric Tons Carbon Dioxide	Metric Tons Carbon Dioxide per Million Chained (2017) Dollars ^d
1950	33.527 39.215 43.942 52.565 66.036 69.788 76.038 74.159 70.812 70.489 74.237 74.268 74.458 77.161 81.025 82.711 82.256 82.214 83.836 85.191 87.053 88.668 91.404 91.956 92.602 94.232 96.694 94.416 95.575 95.806 98.033 98.101 97.235 96.647 91.626	220 236 243 271 322 323 335 323 306 302 315 312 310 318 331 335 327 328 331 335 327 328 331 333 335 327 328 331 333 335 327 328 331 335 327 328 331 335 327 328 331 335 327 328 327 328 327 328 328 329 329 329 329 329 329 329 329 329 329	13.64 12.72 12.55 11.74 12.42 11.51 10.48 9.97 9.69 9.22 9.06 8.70 8.43 8.44 8.51 8.38 8.18 8.19 8.06 7.97 7.83 7.77 7.72 7.43 7.16 6.96 6.63 6.60 6.44 6.35 6.14 5.92 5.90 5.76 5.60	NA NA NA NA NA NA 82,875 171,854 374,350 427,901 426,482 417,622 435,313 438,343 384,091 397,627 411,568 439,051 474,652 472,440 476,845 492,275 504,856 514,624 560,293 567,962 526,283 558,627 687,711 696,242 663,964 755,070 871,210 1,045,730 1,158,821 1,233,869 1,408,759 8 1,066,509	NA NA NA NA 404 796 1,647 1,865 1,841 1,786 1,846 1,842 1,599 1,641 1,683 1,779 1,901 1,867 1,859 1,894 1,913 2,080 2,083 1,908 2,083 2,080 2,437 2,443 2,308 2,603 2,975 3,539 3,884 4,096 4,633 3,477	NA NA NA NA 7.7 10.2 13.1 13.3 12.8 11.5 10.8 10.1 8.4 8.2 7.9 7.8 8.0 7.7 7.3 7.2 6.9 6.6 5.8 5.8 6.7 6.6 6.1 6.6 6.1 6.6 7.1 8.4 8.5 9.5 9.7	NA NA NA NA NA 4.4 5.6 6.9 7.1 6.9 6.0 5.6 4.8 4.4 4.5 4.4 4.5 4.4 4.5 3.9 3.7 3.2 3.7 3.7 3.7 4.4 4.6 4.7 5.2 4.3	2,382 2,685 2,914 3,462 4,261 4,428 4,757 4,637 4,405 4,613 4,616 4,616 4,776 4,999 5,085 5,085 5,085 5,085 5,186 5,263 5,325 5,518 5,590 5,637 5,700 5,889 5,778 5,820 5,887 5,930 6,015 5,823 5,930 6,015 5,823 5,404	15.6 16.2 16.1 17.8 20.8 20.5 20.9 20.2 19.0 18.8 19.6 19.4 19.2 19.7 20.4 20.6 20.2 19.7 19.9 20.0 20.0 20.0 20.5 20.5 20.5 20.5 20.5	969 871 833 773 802 731 655 623 603 574 563 540 523 523 525 515 501 497 490 485 473 467 466 452 436 421 418 406 402 396 388 376 361 357 361 357
2010	95.142 93.966 91.677 94.253 95.332 94.478 94.083 93.886 97.396 96.595 88.871 93.364 94.838 93.621 94.216	308 302 292 298 300 295 291 289 298 294 268 281 284 278	5.67 5.51 5.26 5.29 5.22 5.03 4.92 4.79 4.82 4.66 4.38 4.34 4.30 4.13 4.04	R 1,214,267 R 1,392,400 R 1,395,104 R 1,376,255 R 1,395,260 R 1,128,335 R 1,038,804 R 1,136,199 R 1,271,887 R 1,223,754 R 1,007,572 R 1,316,791 R 1,719,591 R 1,568,551 NA	3,926 4,469 4,318 4,356 8 4,383 3,519 3,217 8 3,496 8 3,893 8 3,728 3,039 8 3,965 5,148 8 4,657 NA	8.1 8.9 8.3 8.2 7.9 6.2 5.5 5.8 6.2 5.7 4.7 5.6 6.6 8.5.7 NA	4.6 5.0 4.6 4.5 4.4 3.5 3.2 3.3 3.5 3.2 2.7 3.1 3.7 8.2 NA	5,594 5,455 5,236 5,359 5,414 5,262 5,169 5,131 5,278 5,147 4,585 4,906 4,941 4,795 4,777	18.1 17.5 16.7 17.0 16.4 16.0 15.8 16.2 15.7 13.8 14.8 14.8 14.2	333 320 300 301 296 280 270 262 261 248 226 228 224 211

a See "Primary Energy Consumption" in Glossary.

Calculated as energy consumption divided by U.S. population (see Table C1).

Consumption per Real Dollar of GDP: Calculated as energy consumption divided by U.S. gross domestic product in chained (2017) dollars (see Table C1). • Expenditures: U.S. Energy Information Administration, "State Energy Price and Expenditure Estimates, 1970 Through 2021" (June 2023), U.S. Table ET1. Expenditures per Capita: Calculated as energy expenditures divided by U.S.

population (see Table C1). • Expenditures as Share of GDP: Calculated as energy expenditures divided by U.S. gross domestic product in nominal dollars (see Table C1). • Expenditures as Share of Gross Output: Calculated as energy expenditures divided by U.S. gross output (see Table C1). • Emissions: 1949–1972—U.S. Energy Information Administration, Annual Energy Review 2011, Table 11.1. 1973 forward—Table 11.1. • Emissions per Capita: Calculated as carbon dioxide emissions divided by U.S. population (see Table C1). • Emissions per Real Dollar of GDP: Calculated as carbon dioxide emissions divided by U.S. gross domestic product in chained (2017) dollars (see Table C1).

b Expenditures include taxes where data are available.

Carbon dioxide emissions from energy consumption. See Table 11.1.

See "Chained Dollars" and "Real Dollars" in Glossary.

See "Gross Domestic Product (GDP)" in Glossary.

Gross output is the value of GDP plus the value of intermediate inputs used to produce GDP.

g See "Nominal Dollars" in Glossary.

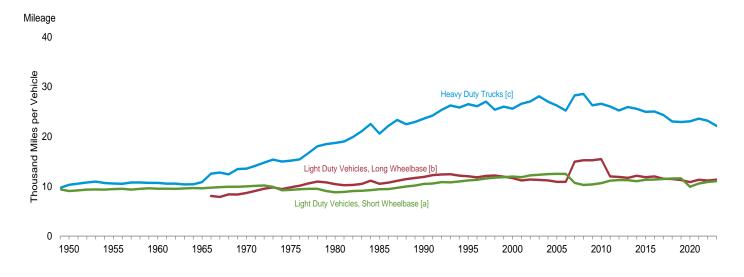
R=Revised. NA=Not available.

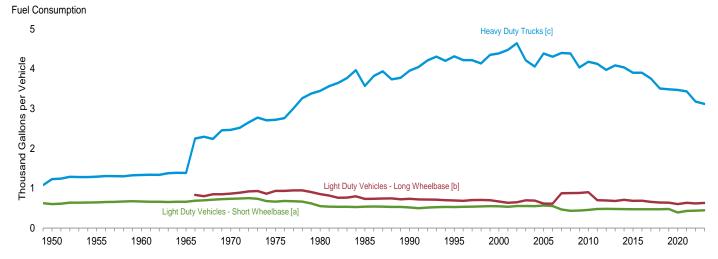
Notes: • Data are estimates. • Geographic coverage is the 50 states and the District of Columbia.

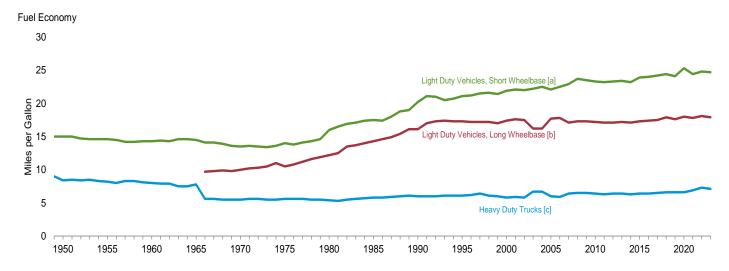
Web Page: See http://www.eia.gov/totalenergy/data/monthly/#summary (Excel and CSV files) for all available annual data beginning in 1949.

Sources: • Consumption: Table 1.3. • Consumption per Capita:

Figure 1.8 Motor Vehicle Mileage, Fuel Consumption, and Fuel Economy, 1949-2023







[a] Through 1989, data are for passenger cars and motorcycles. For 1990–2006, data are for passenger cars only. Beginning in 2007, data are for light-duty vehicles (passenger cars, light trucks, vans, and sport utility vehicles) with a wheelbase less than or equal to 121 inches.

[b] For 1966–2000, data are for vans, pickup trucks, and sport utility vehicles. Beginning in 2007, data are for light-duty vehicles (passenger cars, light trucks, vans, and sport utility vehicles) with a wheelbase greater than 121 inches.

[c] For 1949–1965, data are for single-unit trucks with 2 axles and 6 or more tires, combination trucks, and other vehicles with 2 axles and 4 tires that are not

passenger cars. For 1966–2006 data are for single-unit truck with 2 axles and 6 or more tires, and combination trucks. Beginning in 2007, data are for single-unit trucks with 2 axles and 6 or more tires (or a gross vehicle weight rating exceeding 10,000 pounds), and combination trucks.

Note: Through 1965, "Light-Duty Vehicles, Long Wheelbase" data are included in "Heavy-Duty Trucks."

Web Page: http://www.eia.gov/totalenergy/data/monthly/#summary. Source: Table 1.8.

Table 1.8 Motor Vehicle Mileage, Fuel Consumption, and Fuel Economy

		ight-Duty Vehic Short Wheelbas			ight-Duty Vehic Long Wheelbas		н	eavy-Duty Truc	ks ^c	A	All Motor Vehicle	es ^d
	Mileage	Fuel Consumption	Fuel Economy	Mileage	Fuel Consumption	Fuel Economy	Mileage	Fuel Consumption	Fuel Economy	Mileage	Fuel Consumption	Fuel Economy
	Miles per	Gallons	Miles per	Miles per	Gallons	Miles per	Miles per	Gallons	Miles per	Miles per	Gallons	Miles per
	Vehicle	per Vehicle	Gallon	Vehicle	per Vehicle	Gallon	Vehicle	per Vehicle	Gallon	Vehicle	per Vehicle	Gallon
1950 1955	9,060 9,447	603 645	15.0 14.6	(e)	(e)	(e)	10,316 10,576	1,229 1,293	8.4 8.2	9,321 9,661	725 761	12.8 12.7
1960	9,518	668	14.3	(e)	(e)	(e)	10,693	1,333	8.0	9,732	784	12.4
1965	9,603	661	14.5	(e)	(e)	(e)	10,851	1,387	7.8	9,826	787	12.5
1970	9,989	737	13.5	8,676	866	10.0	13,565	2,467	5.5	9,976	830	12.0
1975	9,309	665	14.0	9,829	934	10.5	15,167	2,722	5.6	9,627	790	12.2
1980	8,813	551	16.0	10,437	854	12.2	18,736	3,447	5.4	9,458	712	13.3
1981	8,873	538	16.5	10,244	819	12.5	19,016	3,565	5.3	9,477	697	13.6
1982	9,050	535	16.9	10,276	762	13.5	19,931	3,647	5.5	9,644	686	14.1
1983	9,118	534	17.1	10,497	767	13.7	21,083	3,769	5.6	9,760	686	14.2
1984	9,248	530	17.4	11,151	797	14.0	22,550	3,967	5.7	10,017	691	14.5
1985	9,419	538	17.5	10,506	735	14.3	20,597	3,570	5.8	10,020	685	14.6
1986	9,464	543	17.4	10,764	738	14.6	22,143	3,821	5.8	10,143	692	14.7
1987	9,720	539	18.0	11,114	744	14.9	23,349	3,937	5.9	10,453	694	15.1
1988	9,972	531	18.8	11,465	745	15.4	22,485	3,736	6.0	10,721	688	15.6
1989	10,157	533	19.0	11,676	724	16.1	22,926	3,776	6.1	10,932	688	15.9
1990	10,504	520	20.2	11,902	738	16.1	23,603	3,953	6.0	11,107	677	16.4
1991	10,571	501	21.1	12,245	721	17.0	24,229	4,047	6.0	11,294	669	16.9
1992	10,857	517	21.0	12,381	717	17.3	25,373	4,210	6.0	11,558	683	16.9
1993	10,804	527	20.5	12,430	714	17.4	26,262	4,309	6.1	11,595	693	16.7
1994	10,992	531	20.7	12,156	701	17.3	25,838	4,202	6.1	11,683	698	16.7
1995	11,203	530	21.1	12,018	694	17.3	26,514	4,315	6.1	11,793	700	16.8
1996 1997 1998	11,330 11,581	534 539 544	21.2 21.5 21.6	11,811 12,115	685 703 707	17.2 17.2	26,092 27,032	4,221 4,218 4,135	6.2 6.4	11,813 12,107	700 711 721	16.9 17.0 16.9
1999 2000	11,754 11,848 11,976	553 547	21.4 21.9	12,173 11,957 11,672	701 669	17.2 17.0 17.4	25,397 26,014 25,617	4,352 4,391	6.1 6.0 5.8	12,211 12,206 12,164	732 720	16.7 16.9
2001	11,831	534	22.1	11,204	636	17.6	26,602	4,477	5.9	11,887	695	17.1
2002	12,202	555	22.0	11,364	650	17.5	27,071	4,642	5.8	12,171	719	16.9
2003	12,325	556	22.2	11,287	697	16.2	28,093	4,215	6.7	12,208	718	17.0
2004		553	22.5	11,184	690	16.2	27,023	4,057	6.7	12,200	714	17.1
2005		567	22.1	10,920	617	17.7	26,235	4,385	6.0	12,082	706	17.1
2006		554	22.5	10,920	612	17.8	25,231	4,304	5.9	12,017	698	<u>17.2</u>
2007	^a 10,710	^a 468	^a 22.9	^b 14,970	⁶ 877	^b 17.1	° 28,290	° 4,398	6.4	11,915	693	17.2
2008	10,290	435	23.7	15,256	880	17.3	28,573	4,387	6.5	11,631	667	17.4
2009	10,391	442	23.5	15,252	882	17.3	26,274	4,037	6.5	11,631	661	17.6
2010	10,650	456	23.3	15,474	901	17.2	26,604	4,180	6.4	11,866	681	17.4
2011	11,150	481	23.2	12,007	702	17.1	26,054	4,128	6.3	11,652	665	17.5
2012	11,262	484	23.3	11,885	694	17.1	25,255	3,973	6.4	11,707	665	17.6
2013	11,244	480	23.4	11,712	683	17.2	25,951	4,086	6.4	11,679	663	17.6
2014	11,048	476	23.2	12,138	710	17.1	25,594	4,036	6.3	11,621	666	17.5
2015	11,327	475	23.9	11,855	684	17.3	24,979	3,904	6.4	11,742	656	17.9
2016	11,370	475	24.0	11,991	689	17.4	25,037	3,904	6.4	11,810	658	17.9
2017	11,467	474	24.2	11,543	659	17.5	24,335	3,758	6.5	11,789	653	18.1
2018	11,576	475	24.4	11,486	643	17.9	23,037	3,507	6.6	11,843	651	18.2
2019	11,599	481	24.1	11,263	640	17.6	22,930	3,488	6.6	11,797	651	18.1
2020	9,928	393	25.3	10,855	603	18.0	23,075	3,470	6.6	10,523	577	18.2
2021	10,573	433	24.4	11,318	636	17.8	23,601	3,436	6.9	11,099	617	18.0
2022	10,881	438	24.8	11,177	619	18.1	23,183	3,177	7.3	11,327	611	18.5
2023	11,026	447	24.7	11,360	633	17.9	22,151	3,120	7.1	11,408	621	18.4

^a Through 1989, data are for passenger cars and motorcycles. For 1990–2006, data are for passenger cars only. Beginning in 2007, data are for light-duty vehicles (passenger cars, light trucks, vans, and sport utility vehicles) with a wheelbase less than or equal to 121 inches.

b For 1966–2006, data are for vans, pickup trucks, and sport utility vehicles.

10,000 pounds), and combination trucks.

Note: Geographic coverage is the 50 states and the District of Columbia.

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

• Light-Duty Vehicles, Short Wheelbase: 1990-1994-U.S. Sources: Department of Transportation, Bureau of Transportation Statistics, National Transportation Statistics 1998, Table 4-13. All Other Data: Transportation Statistics 1998, Table 4-13. • All Other Data: 1949–1994—Federal Highway Administration (FHWA), Highway Statistics Summary to 1995, Table VM-201A. 1995 forward—FHWA, Highway Statistics, annual reports, Table VM-1.

Beginning in 2007, data are for light-duty vehicles (passenger cars, light trucks, vans, and sport utility vehicles) with a wheelbase greater than 121 inches.

^c For 1949-1965, data are for single-unit trucks with 2 axles and 6 or more tires, combination trucks, and other vehicles with 2 axles and 4 tires that are not passenger cars. For 1966-2006, data are for single-unit trucks with 2 axles and 6 or more tires, and combination trucks. Beginning in 2007, data are for single-unit trucks with 2 axles and 6 or more tires (or a gross vehicle weight rating exceeding

d Includes buses and motorcycles, which are not separately displayed.

e Included in "Heavy-Duty Trucks."

Table 1.9 Light-Duty Vehicle Average Miles Traveled by Technology Type

(Miles per Vehicle^a)

	Interna	al Combustion Engine V	ehicles	Electric Vehicles			
	Motor Gasoline	Diesel	Hybrid Electric	Battery Electric	Plug-in Hybrid Electric		
	Vehicles ^b	Vehicles	Vehicles ^c	Vehicles ^d	Vehicles ^e		
2016	9,945	10,647	12,161	6,793	9,634		
2017	^E 10,070	E 10,218	E 12,037	^E 6,057	E 9,300		
2018	10,217	10,494	12,013	5,594	9,245		
2019	9,893	9,792	11,507	6,060	8,855		
2020	10.142	10,139	11,537	6.670	9,359		
2021	9,893	10,265	10,757	6,569	8,668		
2022	9,847	10,681	10,537	7,039	8,704		

a See Note 2, "Light-Duty Vehicle Average Annual Miles Traveled by Technology Type," at end of section.

Note: • Data are for on-road vehicles less than or equal to 8,500 pounds

(includes passenger cars and light trucks). • Data are derived from vehicle odometer reading data. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/#summary (Excel and CSV files) for all available annual data beginning in 2016.

Source: • Calculated by EIA using S&P Global Mobility Odometer data and Vehicles in Operation data, 2016–2022.

b Does not include hybrid electric vehicles.

^c See "Hybrid Electric Vehicle (HEV)" in Glossary.

^d See "Battery Electric Vehicle (BEV)" in Glossary.

 $^{^{\}rm e}$ See "Plug-in Hybrid Electric Vehicle (PHEV)" in Glossary. E=Estimate.

Table 1.10 Electric and Fuel Cell Electric Light-Duty Vehicles Overview

	EI	ectric Light-Duty Vehic	les			Floorie Vahiole
	Battery Electric Vehicles ^a	Plug-In Hybrid Electric Vehicles ^b	Total	Fuel Cell Electric Vehicles ^c	All Light-Duty Vehicles ^d	Electric Vehicle Share of All Light-Duty Vehicle
		Thou	sands of Registered V	ehicles		Percent
2012	29.7	64.7	94.4	0.1	231,872.8	(s)
2013	^E 85.7	E 108.9	E 194.7	€ 0.2	E 237,326.1	(s) E 0.1
2014	127.4	158.8	286.2	0.1	240,796.6	0.1
2015	E 194.8	^E 196.7	^E 391.5	^E 0.2	E 248,926.1	€ 0.2
2016	272.6	239.0	511.7	1.1	251,219.0	0.2
2017	E 353.3	E368.3	E 721.6	^E 4.6	E 257,206.5	^E 0.3
2018	573.0	491.2	1,064.2	5.9	259,182.4	0.4
2019	756.3	560.6	1,316.9	7.5	261.539.9	0.5
2020	973.5	613.0	1.586.5	8.1	260.034.2	0.6
2021	1,405.8	766.3	2,172.1	11.5	262,402.9	0.8
2022	2.049.6	935.6	2,985.2	14.6	263,181.0	1.1
2023	3,403.7	1,151.2	4,554.9	16.8	264,733.3	1.7

E=Estimate. (s)=Less than 0.05 percent.

Notes: • Data are at end of year. • Data are for on-road vehicles less than or equal to 8,500 pounds (includes passenger cars and light trucks). • Data for 2013, 2015, and 2017 are estimates. • The federal government and some states self-register their state-owned vehicles. These vehicles are not included in number of registered vehicles. • Congraphic coverage is the 50 states and the District of of registered vehicles. • Geographic coverage is the 50 states and the District of

Columbia.

Web Page: See http://www.eia.gov/totalenergy/data/monthly/#summary (Excel

web Page: See http://www.ela.gov/totalenergy/data/montniy#summary (Excel and CSV files) for all available annual data beginning in 2012.

Sources: • Electric Light-Duty Vehicles, Fuel Cell Electric Vehicles, and All Light-Duty Vehicles: S&P Global Mobility Vehicles in Operation, as of calendar year end figures for each of the years shown. Data for 2013, 2015, and 2017 are estimates interpolated by EIA. • Electric Vehicle Share of All Light Duty-Vehicles (defined by EIA as less than or equal to 8,500 lbs): Calculated as battery electric and plugin byterid electric light-city vehicles divided by all as battery electric and plug-in hybrid electric light-duty vehicles divided by all light-duty vehicles by EIA.

a See "Battery Electric Vehicle (BEV)" in Glossary.

b See "Plug-In Hybrid Electric Vehicle (PHEV)" in Glossary.

c See "Fuel Cell Electric Vehicle (FCEV)" in Glossary.

d Includes internal combustion engine vehicles, electric vehicles, and fuel cell electric vehicles.

Table 1.11 Heating Degree Days by Census Division

	New England ^a	Middle Atlantic ^b	East North Central ^C	West North Central	South Atlantic ^e	East South Central ^f	West South Central ^g	Mountain ^h	Pacific ⁱ	United States
1950 Total 1955 Total 1955 Total 1960 Total 1960 Total 1970 Total 1970 Total 1970 Total 1980 Total 1980 Total 1995 Total 1995 Total 2000 Total 2001 Total 2011 Total 2012 Total 2014 Total 2015 Total 2016 Total 2017 Total 2017 Total 2018 Total 2018 Total 2019 Total 2019 Total 2019 Total 2019 Total 2019 Total 2020 Total 2020 Total	6,793 6,872 6,826 7,027 7,022 6,545 7,071 6,750 5,988 6,686 6,645 5,935 6,113 5,563 6,425 6,625 6,626 6,520 5,928 6,037 6,323 6,538 5,538 5,538 5,538 5,799 6,018	6,313 6,220 6,376 6,379 6,376 5,881 6,463 5,957 5,240 6,079 5,938 5,539 5,471 4,960 5,827 6,190 5,762 5,318 5,769 5,736 5,199 5,736 5,199 5,261 5,635	7,028 6,488 6,909 6,588 6,721 6,407 6,667 5,779 6,741 6,224 6,188 6,173 5,356 6,623 7,196 6,165 5,701 5,7684 6,434 6,434 6,434 6,434 6,434 6,434 6,434	7,461 6,918 7,191 6,938 7,094 6,886 6,840 7,269 6,141 6,916 6,504 6,218 6,570 6,569 5,520 7,140 7,308 6,093 5,791 6,003 6,975 7,082 6,061 6,906	3,495 3,487 3,764 3,358 3,437 2,953 3,361 2,982 2,301 2,984 2,902 2,773 3,163 2,564 2,305 2,736 2,961 2,497 2,465 2,239 2,638 2,392 2,638 2,392 2,263 2,366 2,366 2,366 2,520	3,552 3,517 4,139 3,505 3,827 3,441 3,969 3,663 2,947 3,653 3,555 3,384 3,954 3,954 3,651 3,935 3,224 3,095 2,837 3,479 3,181 3,064 3,166 3,166 3,138	2,280 2,295 2,767 2,238 2,561 2,310 2,495 2,536 1,967 2,148 2,152 1,985 2,450 2,113 1,648 2,326 2,421 2,085 1,750 1,580 2,252 2,143 1,812 1,911 2,199	6,320 6,685 6,264 6,067 6,098 6,237 5,370 5,079 4,952 4,873 5,060 5,305 4,561 5,263 4,739 4,597 4,620 4,573 4,810 5,310 4,784 4,694 5,125	3,910 4,324 3,806 3,825 3,731 4,120 3,544 3,939 3,610 3,274 3,464 3,383 3,628 3,823 3,418 3,367 2,777 2,902 3,035 3,172 3,547 3,547 3,547 3,547 3,547 3,547 3,547 3,547 3,547 3,547 3,547 3,547 3,548 3,558	5,362 5,242 5,400 5,143 5,214 4,900 5,075 4,886 4,178 4,637 4,491 4,346 4,461 4,312 3,771 4,470 4,558 4,094 3,887 3,838 4,291 4,317 3,934 4,244
2023 January	926 940 850 468 283 69 1 25 66 289 788 853 5,558	843 814 794 367 241 44 1 13 57 273 715 790 4,952	998 881 849 442 216 43 6 21 67 337 736 826 5,422	1,183 1,031 956 488 145 22 17 17 58 360 744 903 5,924	449 307 301 116 65 9 0 0 9 110 325 452 2,142	578 413 399 187 62 7 0 0 14 146 415 598 2,818	402 330 200 86 6 0 0 1 47 256 391 1,718	967 831 778 451 184 102 11 19 99 319 579 774 5,114	629 591 607 355 190 105 11 10 75 172 383 479 3,608	715 621 585 297 145 43 5 10 46 207 505 624 3,802
Pebruary February March April May June July August September October November December Total	R 1,088 R 913 764 544 191 17 17 R 94 384 607 R 1,059 R 5,679	R 1,020 829 R 669 429 R 125 9 1 8 61 R 303 550 999 R 5,003	R 1,192 774 689 R 392 134 19 7 13 47 292 593 1,029 R 5,183	R 1,340 760 738 398 R 164 35 12 22 54 R 268 R 700 1,083 R 5,574	R 573 404 269 111 24 1 0 0 10 109 223 R 511 R 2,235	R 855 R 451 R 358 R 140 28 0 0 11 R 133 R 275 R 635 R 2,887	635 R 256 R 185 46 3 0 0 2 R 17 R 153 R 339 R 1,636	R 923 R 676 R 641 R 392 255 46 10 18 73 R 228 R 680 729 R 4,672	R 576 501 R 492 R 347 207 R 56 8 18 41 R 143 R 455 R 484 R 3,328	840 575 489 281 113 20 4 9 37 186 430 8 704 8 3,687
2025 January February March 3-Month Total	1,249 R 1,073 791 3,113	R 1,216 972 670 2,858	R 1,357 1,076 679 3,113	R 1,406 1,198 669 3,273	R 723 R 405 272 1,400	R 944 R 549 349 1,841	661 381 151 1,193	1,003 R 676 551 2,229	R 588 R 464 471 1,524	R 946 686 470 2,102
2024 3-Month Total 2023 3-Month Total	2,764 2,716	2,518 2,451	2,655 2,728	2,838 3,170	1,246 1,056	1,665 1,390	1,076 931	2,240 2,576	1,569 1,827	1,905 1,921

a Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Notes: • Degree days are relative measurements of outdoor air temperature used as an index for heating and cooling energy requirements. Heating degree days are the number of degrees that the daily average temperature falls below 65 degrees Fahrenheit (°F). Cooling degree days are the number of degrees that the

daily average temperature rises above 65°F. The daily average temperature is the mean of the maximum and minimum temperatures in a 24-hour period. For revample, a weather station recording an average daily temperature of 40°F would report 25 heating degree days for that day (and 0 cooling degree days). If a weather station recorded an average daily temperature of 78°F, cooling degree days for that station would be 13 (and 0 heating degree days). • 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/#summary (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973. Sources: Sta

State-level degree day data are from U.S. Department of National Oceanic and Atmospheric Administration, National Commerce, Centers for Environmental Information. Using these state-level data, the Energy Information Administration calculates population-weighted census-division and U.S. degree day averages using state populations from the same year the degree days are measured. See methodology at the same year the degree days are measured. So http://www.eia.gov/forecasts/steo/special/pdf/2012_sp_04.pdf.

b New Jersey, New York, and Pennsylvania.

c Illinois, Indiana, Michigan, Ohio, and Wisconsin.

d Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota.

e Delaware, Florida, Georgia, Maryland (and the District of Columbia), North Carolina, South Carolina, Virginia, and West Virginia.

^f Alabama, Kentucky, Mississippi, and Tennessee.

Arkansas, Louisiana, Oklahoma, and Texas.

h Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming.

Alaska, California, Hawaii, Oregon, and Washington.

R=Revised.

Table 1.12 Cooling Degree Days by Census Division

1950 Total	New Englanda 296 531 318 311 423 423 439 324 428 472 279	Middle Atlantic ^b 403 764 488 501 619 586 683 513 566	506 921 626 617 746 720 768	West North Central ^d 646 1,139 870 831 979 937	South Atlantice 1,427 1,645 1,597 1,624 1,758	1,419 1,672 1,529 1,550	2,280 2,505 2,367	Mountain ^h 689 787 983	Pacific ⁱ 628 557	United States 873 1,145
1955 Total 1960 Total 1965 Total 1970 Total 1975 Total 1980 Total 1985 Total 1990 Total	531 318 311 423 423 439 324 428 472	764 488 501 619 586 683 513	921 626 617 746 720 768	1,139 870 831 979	1,645 1,597 1,624 1,758	1,672 1,529	2,505	787	557	1,145
1955 Total 1960 Total 1965 Total 1970 Total 1975 Total 1980 Total 1985 Total	531 318 311 423 423 439 324 428 472	764 488 501 619 586 683 513	921 626 617 746 720 768	1,139 870 831 979	1,645 1,597 1,624 1,758	1,672 1,529	2,505	787	557	1,145
1960 Total 1965 Total 1970 Total 1975 Total 1980 Total 1985 Total	318 311 423 423 439 324 428 472	488 501 619 586 683 513	626 617 746 720 768	870 831 979	1,597 1,624 1,758	1,529				1,170
1965 Total	311 423 423 439 324 428 472	501 619 586 683 513	617 746 720 768	831 979	1,624 1,758			20.5	794 l	1,002
1970 Total 1975 Total 1980 Total 1985 Total 1990 Total	423 423 439 324 428 472	619 586 683 513	746 720 768	979	1,758		2,461	788	575	981
1975 Total 1980 Total 1985 Total 1990 Total	439 324 428 472	683 513	768	937		1,569	2,281	981	732	1,082
1980 Total 1985 Total 1990 Total	324 428 472	513			1,802	1,439	2,162	913	597	1,052
1990 Total	428 472		coo	1,158	1,923	1,751	2,652	1,083	651	1,216
	472	566	602	780	1,882	1,519	2,519	1,107	758	1,122
			602	912	2,058	1,560	2,527	1,224	833	1,201
1995 Total	2/9	705	878	928 983	2,030	1,611	2,398	1,226	791	1,262
2000 Total	599	460 895	630 944	1,063	1,925 2,100	1,672 1,674	2,773 2.645	1,494 1,386	771	1,233 1,390
2005 Total 2010 Total	634	913	963	1,005	2,100	1,974	2,045 2,754	1,370	777 674	1,390
2011 Total	553	840	858	1,073	2,260	1,725	3.112	1,461	734	1,437
2012 Total	563	819	974	1,221	2,163	1,760	2,913	1,581	917	1,494
2013 Total	540	685	689	892	2.001	1,438	2.535	1,470	889	1,304
2014 Total	420	600	609	812	2,000	1,491	2,474	1,438	1,068	1,295
2015 Total	556	809	729	941	2,397	1,717	2,742	1,484	1,067	1,484
2016 Total	625	891	958	1,072	2,405	1,956	2,882	1,501	929	1,554
2017 Total	451	665	708	910	2,247	1,585	2,718	1,549	1,056	1,423
2018 Total	668	890	972	1,134	2,411	1,928	2,855	1,573	1,004	1,579
2019 Total	536	787	832	951	2,503	1,885	2,759	1,397	845	1,495
2020 Total	645	848	831 911	964 1.093	2,335	1,636	2,735	1,683	1,071	1,519
2021 Total 2022 Total	604 647	837 838	816	1,050	2,226 2,305	1,611 1,728	2,644 2,992	1,583 1,586	1,040 1,088	1,492 1,557
2022 TO(a)	047	030	010	1,030	2,303	1,720	2,332	1,300	1,000	1,557
2023 January	0	0	0	0	50	19	35	0	8	17
February	0	0	0	0	69	17	27	0	.8	20
March	0	0	0	1	84	27	88	3	10	32
April	0	0 12	1	5	118	30	93 291	40	17	44
May	4 47	78	49 130	89 226	176 295	142 270	291 514	117 194	34 60	109 210
June July	273	308	246	283	488	431	648	461	279	390
August	134	192	188	280	462	419	710	363	244	350
September	57	83	89	148	291	247	509	204	94	204
October	5	10	10	14	138	65	171	86	55	73
November	Ö	0	0	0	65	4	28	13	14	20
December	Ô	Ö	Ó	Ö	38	3	16	Ó	8	11
Total	521	685	712	1,047	2,273	1,675	3,130	1,482	831	1,480
2024 January	0	0	0	0	36	2	8	0	7	Rg
February	Ö	Ö	Ö	4	29	R 10	37	2	6	13
March	0	0	3	7	R 83	R 27	81	R 7	8	31
April	0	0	3	10	R 89	46	151	35	15	46
Мау	18	R 51	102	87	273	R 218	R 372	114	R 37	157
June	128	R 192	207	R 234	401	R 355	R 526	338	R 147	293
July	R 283	330 B 01 C	235 B 202	278	R 503	443 8 444	552	445	R 333	R 391
August	155 R 36	R 216 R 72	^R 223 114	251 R 143	R 437 R 309	^R 411 ^R 248	630 R 400	382 254	R 240 R 170	342 211
September October	0	7	16	R31	149	78	R 263	R 124	R 88	R 97
November	Ö	ó	0	0	85	R 26	R 91	3	10	32
December	ŏ	ŏ	ŏ	ň	36	3	29	RŽ	ığ l	13
Total	R 621	R 869	R 902	R 1,046	R 2,428	R 1,865	R 3,139	R 1,705	R 1,067	1,635
025 January	0	0	0	0	R 17	1	6	0	7	5
February	0	0	0	0	59	7	19	9	10	17
March	Ő	ő	3	11	59	31	104	14	11	31
3-Month Total	ŏ	ŏ	š	11	134	39	129	23	27	53
	-		-							
2024 3-Month Total	0	0	3 0	11	148	39	126	9	20	54
2023 3-Month Total	0	0	U	1	203	63	150	3	26	68

a Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Notes: • Degree days are relative measurements of outdoor air temperature used as an index for heating and cooling energy requirements. Cooling degree days are the number of degrees that the daily average temperature rises above 65 degrees Fahrenheit (°F). Heating degree days are the number of degrees that the

daily average temperature falls below 65°F. The daily average temperature is the mean of the maximum and minimum temperatures in a 24-hour period. For example, if a weather station recorded an average daily temperature of 78°F, example, if a weather station recorded an average daily temperature of 76°F, cooling degree days for that station would be 13 (and 0 heating degree days). A weather station recording an average daily temperature of 40°F would report 25 heating degree days for that day (and 0 cooling degree days).

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/#summary (Excel and CSV files) for all available annual data beginning in 1979.

beginning in 1973 Sources: St

Sources: State-level degree day data are from U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Centers for Environmental Information. Using these state-level data, the U.S. Energy Information Administration calculates population-weighted census-division and U.S. degree day averages using state populations from the same year the degree days are measured. See methodology at http://www.eia.gov/forecasts/steo/special/pdf/2012_sp_04.pdf.

b New Jersey, New York, and Pennsylvania.

Illinois, Indiana, Michigan, Ohio, and Wisconsin.

d Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota.

Delaware, Florida, Georgia, Maryland (and the District of Columbia), North Carolina, South Carolina, Virginia, and West Virginia.
 Alabama, Kentucky, Mississippi, and Tennessee.
 Arkansas, Louisiana, Oklahoma, and Texas.
 Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and

Wyoming.

Alaska, California, Hawaii, Oregon, and Washington.

Table 1.13a Non-Combustion Use of Fossil Fuels in Physical Units

			Petroleum									
	Coal	Natural Gas	Asphalt and Road Oil	Hydrocarbon Gas Liquids ^a	Lubricants	Petro- chemical Feedstocks ^b	Petroleum Coke	Special Naphthas	Other ^c	Total		
	Thousand Short Tons	Billion Cubic Feet				Thousand Bar	rels per Day					
1973 Total 1975 Total 1980 Total 1985 Total 1990 Total 1990 Total 2000 Total 2001 Total 2011 Total 2012 Total 2014 Total 2015 Total 2016 Total 2017 Total 2017 Total 2018 Total 2019 Total 2019 Total 2019 Total 2019 Total	3,523 3,105 2,612 1,536 758 921 674 929 719 730 707 732 562 520 435 463 531 520 418 509 464	898 761 759 642 675 868 918 761 654 680 706 721 725 703 727 746 1,118 1,114 1,049 1,072 1,101	522 419 396 425 483 486 525 546 362 355 340 323 327 343 351 351 327 348 343 371 378	684 654 890 982 1,071 1,357 1,543 1,369 1,747 1,870 1,918 1,943 2,023 2,309 2,342 2,479 2,652 2,681	162 137 159 145 164 156 166 141 131 125 114 121 126 138 130 121 117 113 102 105	356 320 692 395 546 590 662 729 539 520 444 448 410 378 371 394 393 349 329 336 246	45 43 41 46 57 58 78 106 42 40 43 40 20 21 20 19 22 21 17 18	88 75 100 83 56 37 51 33 14 12 8 52 55 52 49 52 48 52 45 42 47	88 122 143 95 85 70 78 75 89 91 88 93 97 99 100 103 103 94 88 90 97	1,945 1,770 2,422 2,173 2,462 2,754 3,103 2,997 2,773 2,781 2,785 2,948 2,948 2,966 3,062 3,318 3,403 3,615 3,576		
Pebruary	39 37 41 37 38 37 39 39 38 37 40 38 459	100 93 99 93 88 83 85 87 85 92 96 102 1,102	227 244 258 325 409 470 460 513 475 450 330 250 368	2,679 2,687 2,590 2,779 2,900 2,889 3,047 2,827 2,844 2,901 3,023 3,286 2,873	115 113 60 81 97 95 94 81 74 97 52 39 83	231 214 260 307 298 236 264 226 241 194 253 243 247	8 17 21 24 16 14 6 21 28 19 32 11 18	48 36 48 48 39 45 54 43 45 57 51 42 47	86 90 93 86 87 91 99 90 98 92 89 93	3,395 3,402 3,329 3,649 3,846 3,841 4,025 3,803 3,804 3,810 3,830 3,964 3,727		
February February March April May June July August September October November December Total	37 37 38 36 37 36 35 35 33 33 38 37 40 438	103 93 97 90 88 84 88 89 90 94 103 1,106	229 226 262 299 406 477 463 511 451 470 354 236 366	2,851 3,006 2,886 2,796 3,053 3,003 2,761 3,089 3,245 R3,306 3,115 3,260 3,031	85 74 76 111 75 86 89 76 71 86 56 49 78	231 282 277 201 243 249 269 270 231 206 260 251	15 9 9 27 21 15 24 6 16 13 17 7	47 46 44 47 57 43 34 41 43 42 35 29	89 75 89 94 94 95 94 92 92 88 94 91	3,546 3,718 3,644 3,571 3,948 3,968 3,734 4,086 4,150 4,213 3,926 R3,927 3,870		
2025 January February March 3-Month Total	36 34 37 107	108 96 97 301	224 221 244 230	3,222 R 3,055 2,940 3,073	68 57 72 66	242 232 256 244	23 8 12 15	37 36 36 37	92 88 84 88	3,908 3,698 3,645 3,752		
2024 3-Month Total 2023 3-Month Total	112 117	294 292	239 243	2,912 2,651	78 96	263 236	11 15	46 44	85 90	3,634 3,374		

a Ethane, propane, normal butane, isobutane, natural gasoline, and refinery olefins (ethylene, propylene, butylene, and isobutylene).

b Includes still gas not burned as refinery fuel

Notes: • Data are estimates. • Non-combustion use estimates are included in total energy consumption. See Table 1.3. • Non-combustion estimates are all for industrial sector consumption, except for some lubricants consumed by the transportation sector. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia. • See Note 3, "Non-Combustion Use of Fossil Fuels," at end of section. Web Page: See http://www.eia.gov/totalenergy/data/monthly/#summary for all available annual and monthly data beginning in 1973.

Sources: • See Note 3, "Non-Combustion Use of Fossil Fuels," at end of

section.

Includes still gas not burned as refinery fuel.

c Distillate fuel oil, residual fuel oil, waxes, and miscellaneous products. R=Revised.

Table 1.13b Heat Content of Non-Combustion Use of Fossil Fuels

			Petroleum									Dave and of
	Coal	Natural Gas	Asphalt and Road Oil	Hydro- carbon Gas Liquids ^a	Lubri- cants	Petro- chemical Feed- stocks ^b	Petro- leum Coke	Special Naphthas	Other ^c	Total	Total	Percent of Total Energy Consump- tion
1973 Total	0.113 .099 .084 .049 .024 .029 .022 .030 .023 .023 .023 .017 .017 .017 .017 .017	0.916 .777 .777 .662 .695 .892 .942 .782 .669 .695 .724 .741 .749 .730 .755 .773 1.160 1.159 1.090 1.114	1.264 1.014 .962 1.029 1.170 1.178 1.276 1.323 .878 .859 .827 .783 .793 .832 .853 .849 .793 .844 .832 .898	0.872 .822 1.128 1.194 1.345 1.716 1.928 1.701 1.931 1.947 2.109 2.270 2.125 2.317 2.330 2.393 2.708 2.746 2.870 3.084 3.005	0.359 .304 .354 .322 .362 .346 .369 .312 .276 .254 .268 .280 .305 .289 .267 .259 .250 .227 .233	0.726 .652 1.426 .817 1.123 1.214 1.474 1.096 1.057 .901 .901 .827 .760 .754 .797 .794 .704 .669 .684	0.093 .090 .086 .096 .119 .120 .163 .221 .087 .083 .090 .083 .043 .043 .044 .046 .046 .036	0.169 .144 .193 .159 .107 .071 .097 .063 .026 .023 .015 .100 .106 .099 .094 .100 .092 .096 .087	0.185 .256 .303 .201 .179 .145 .164 .157 .188 .193 .187 .197 .205 .208 .212 .217 .218 .198 .198 .190 .204	3.668 3.283 4.451 3.818 4.406 4.790 5.342 5.250 4.496 4.437 4.382 4.601 4.379 4.564 4.575 4.663 4.910 4.882 4.908 5.208 4.996	4.696 4.159 5.312 4.529 5.125 5.711 6.306 6.062 5.187 5.156 5.128 5.366 5.146 5.310 5.344 5.451 6.087 6.057 6.012 6.338 6.153	6.4 6.0 7.0 6.2 6.4 6.5 5.5 5.6 5.7 5.8 6.3 6.8 6.8 6.5
Pebruary February March April May June July August September October November December Total	.001 .001 .001 .001 .001 .001 .001 .001	.104 .096 .102 .096 .091 .086 .088 .090 .088 .095 .100 .106	.047 .045 .053 .065 .084 .094 .095 .106 .095 .093 .066	.256 .228 .242 .256 .274 .267 .294 .272 .266 .280 .284 .313	.022 .019 .011 .015 .018 .017 .018 .015 .013 .018 .009	.040 .034 .045 .052 .052 .040 .046 .039 .040 .033 .042 .042	.001 .003 .004 .004 .003 .002 .001 .004 .005 .003 .006 .002	.008 .005 .008 .008 .006 .007 .009 .007 .009 .008	.015 .017 .017 .015 .016 .016 .018 .016 .017 .017 .016 .017	.389 .349 .379 .413 .453 .443 .480 .459 .443 .453 .430 .438 5.130	.494 .446 .483 .510 .546 .531 .569 .551 .533 .550 .531 .546 6.289	5.8 5.9 5.9 7.1 7.4 7.1 6.7 7.2 7.3 6.8 6.5 6.7
2024 January February March April May June July August September October November December Total	.001 .001 .001 .001 .001 .001 .001 .001	.107 .097 .101 .094 .092 .088 .091 .092 .089 .093 .097 .107	.047 .044 .054 .060 .083 .095 .095 .105 .090 .097 .070 .049	.272 .265 .274 .255 .290 .279 .265 .294 .302 .314 .284 .310	.016 .013 .014 .020 .014 .016 .017 .014 .013 .016 .010 .009	.039 .045 .048 .034 .043 .042 .047 .047 .039 .036 .044	.003 .002 .002 .005 .004 .003 .004 .001 .003 .002 .003 .001	.008 .007 .007 .007 .009 .007 .005 .007 .007 .006 .005	.016 .013 .016 .015 .017 .016 .017 .016 .015 .017	.401 .387 .415 .396 .460 .457 .451 .485 .469 .488 .432 .434	.510 .485 .517 .491 .553 .546 .543 .578 .559 .582 .531 .543 6.438	5.7 6.3 6.7 6.9 7.4 7.2 6.6 7.1 7.6 7.7 7.0 6.3 6.8
2025 January February March 3-Month Total	.001 .001 .001	.112 .100 .101 .313	.046 .041 .050 .137	.306 .261 .278 .844	.013 .010 .013 .036	.042 .037 .044 .123	.004 .001 .002 .008	.006 .005 .006 .017	.016 .014 .015 .046	.433 .369 .409 1.211	.547 .470 .511 1.528	5.7 5.8 6.5 6.0
2024 3-Month Total 2023 3-Month Total	.004 .004	.305 .303	.145 .145	.810 .726	.043 .052	.133 .119	.006 .008	.022 .021	.045 .047	1.203 1.117	1.512 1.423	6.2 5.9

a Ethane, propane, normal butane, isobutane, natural gasoline, and refinery olefins (ethylene, propylene, butylene, and isobutylene).
 b Includes still gas not burned as refinery fuel.

independent rounding. • Geographic coverage is the 50 states and the District of Columbia.• See Note 3, "Non-Combustion Use of Fossil Fuels," at end of section.

^c Distillate fuel oil, residual fuel oil, waxes, and miscellaneous products.

Notes: • Data are estimates. • Non-combustion use estimates are included in total energy consumption. See Table 1.3. • Non-combustion estimates are all for industrial sector consumption, except for some lubricants consumed by the transportation sector. • Totals may not equal sum of components due to

Web Page: See http://www.eia.gov/totalenergy/data/monthly/#summary for all available annual and monthly data beginning in 1973.

Sources: • See Note 3, "Non-Combustion Use of Fossil Fuels," at end of section.
• Percent of Total Energy Consumption: Calculated as total non-combustion use of fossil fuels divided by total primary energy consumption (see Table 1.3) (see Table 1.3).

Energy Overview

Note 1. Merchandise Trade Value. Imports data presented are based on the customs values. Those values do not include insurance and freight and are consequently lower than the cost, insurance, and freight (CIF) values, which are also reported by the Bureau of the Census. All exports data, and imports data through 1980, are on a free alongside ship (f.a.s.) basis.

"Balance" is exports minus imports; a positive balance indicates a surplus trade value and a negative balance indicates a deficit trade value. "Energy" includes mineral fuels, lubricants, and related material. "Non-Energy Balance" and "Total Merchandise" include foreign exports (i.e., re-exports) and nonmonetary gold and U.S. Department of Defense Grant-Aid shipments. The "Non-Energy Balance" is calculated by subtracting the "Energy" from the "Total Merchandise Balance."

"Imports" consist of government and nongovernment shipments of merchandise into the 50 states, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, and the U.S. Foreign Trade Zones. They reflect the total arrival from foreign countries of merchandise that immediately entered consumption channels, warehouses, the Foreign Trade Zones, or the Strategic Petroleum Reserve. They exclude shipments between the United States, Puerto Rico, and U.S. possessions, shipments to U.S. Armed Forces and diplomatic missions abroad for their own use, U.S. goods returned to the United States by its Armed Forces, and in-transit shipments.

Note 2. Light-Duty Vehicle Average Annual Miles Traveled by Technology Type. The average annual light-duty vehicle miles traveled (VMT) by technology type is a stock-weighted estimate using the average VMT by vintage and the number of vehicles (stock) by vintage to determine the overall average VMT by technology type. The top-level model is defined as:

$$avg\ VMT_{tech} = \frac{\sum_{vint=1}^{25} VMT_{vint,tech} * stock_{vint,tech}}{\sum_{vint=1}^{25} stock_{vint,tech}}$$

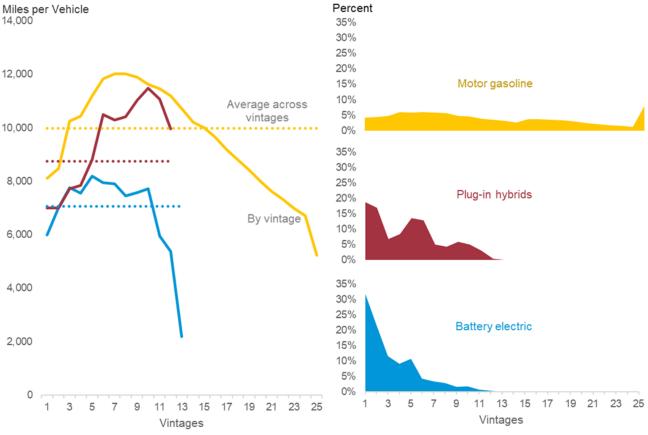
where $avg\ VMT_{tech}$ is the average annual VMT by technology type; $VMT_{vint,tech}$ is the average annual VMT by vintage and technology type; $stock_{vint,tech}$ is the total number of on-road light-duty vehicles by vintage and technology type; vint is the vintage of the vehicle, ranging from 1 to 25 years; and tech is the vehicle technology type—motor gasoline vehicles, diesel vehicles, hybrid electric vehicles, battery electric vehicles (BEV), or plug-in hybrid electric vehicles (PHEV). The vintage of the vehicle relates the model year of the vehicle with the year being analyzed. For example, a model year 2024 vehicle in 2024 would have a vintage equal to one and a model year 2020 vehicle in 2024 would have a vintage equal to five. The maximum vintage EIA uses is 25, resulting in all vehicles 25 years or older be grouped in vintage 25, so a model year 1990 vehicle in 2024 would have a vintage equal to 25.

In general, newer vehicles are driven more than older vehicles. However, the average annual VMT for vintage one vehicles is typically the lowest newer vintage VMT because many of these vehicles are not owned for an entire year resulting in a lower average annual VMT for the first model year. The average annual VMT increases for the first few vintages until it reaches the highest VMT by vintage, which occurs around seven years old. After the highest VMT by vintage is reached, the average annual VMT decreases as the vintage increases.

While the general pattern for travel by vintage is relatively consistent across technology types, the distribution of the stock by vintage is not consistent across technology types. For example, in 2022, nearly half of the motor gasoline vehicles were over 10 years old while only 3% of PHEVs and 1% of BEVs were over 10 years old. This implies that the average annual VMT for motor gasoline vehicles is more impacted by older vehicles than the average annual VMT for BEVs and PHEVs. If the average annual VMT were calculated for 2022 using the first 10 vintages instead of all 25 vintages, the average annual VMT would increase by almost 11% for motor gasoline vehicles and change by less than 1% for BEVs and PHEVs. When all vintages are included in the average annual VMT, the difference between motor gasoline vehicles and BEV VMT is almost 3,000 miles per year in 2022. However, when only the first 10 years are included in the average annual VMT calculation the difference increases to almost 4,000 miles per year. Similarly, the average annual VMT difference between motor gasoline vehicles and PHEVs increases in 2022 from over 1,000 miles per year when all 25 vintages are included to over 2,000 miles per year when only the first 10 vintages are included.

Comparing the average annual VMT calculated using the first 10 vintages shows that BEVs and PHEVs have further to go to reach annual average VMT parity with motor gasoline vehicles than what is implied using all 25 vintages. When year-over-year growth in BEV and PHEV registrations slows down, their stock by vintage distribution will more closely resemble that of the motor gasoline stock by vintage distribution, the more consistent comparison can be made using all 25 vintages. However, if high growth in new vehicle registrations continues for BEVs and PHEVs resulting in the vast majority of electric vehicles (EVs) being less than or equal to 10 years old, then a more consistent comparison can be made using a subset of vintages.

Figure 1.9 Annual Average Vehicle Miles Traveled and Vehicle Stock Distribution by Vintage for Select Technology Types, 2022



Source: U.S. Energy Information Administration, AEO2023 National Energy Modeling System, run REF2023.020623A.

Note 3. Non-Combustion Use of Fossil Fuels. Most fossil fuels consumed in the United States and elsewhere are combusted to produce heat and power. However, some are used directly for non-combustion use as construction materials, chemical feedstocks, lubricants, solvents, and waxes. For example, coal tars from coal coke manufacturing are used as feedstock in the chemical industry, for metallurgical work, and in anti-dandruff shampoos; natural gas is used to make nitrogenous fertilizers and as chemical feedstocks; asphalt and road oil are used for roofing and paving; hydrocarbon gas liquids are used to create intermediate products that are used in making plastics; lubricants, including motor oil and greases, are used in vehicles and various industrial processes; petrochemical feedstocks are used to make plastics, synthetic fabrics, and related products.

Coal

The U.S. Energy Information Administration (EIA) assumes all non-combustion use of coal comes from the process of manufacturing coal coke in the industrial sector. Among the byproducts of the process are "coal tars" or "coal liquids," which typically are rich in aromatic hydrocarbons, such as benzene, and are used as chemical feedstock. EIA estimates non-combustion use ratios of coal tar for 1973 forward. Prior to 1998, estimate ratios are based on coal tar production data from the United States International Trade Commission's *Synthetic Organic Chemicals*. For 1998 forward, coal tar production is estimated using chemicals industry coal, coke, and breeze nonfuel use data from EIA, Form EIA-846, "Manufacturing Energy Consumption Survey" (MECS). For Table 1.13b, coal tar values in Table 1.13a are multiplied by

32.0067 million Btu/short ton, which is the product of 4.95 barrels/short ton (the density of coal tar) and 6.466 million Btu/barrel (the approximate heat content of coal tar).

Natural Gas

EIA assumes that all non-combustion use of natural gas takes place in the industrial sector. EIA estimates non-combustion ratios of natural gas using total natural gas nonfuel use data from MECS, and natural gas used as feedstock for hydrogen production data from EIA, Form EIA-820, "Annual Refinery Report." For Table 1.13b, natural gas values in Table 1.13a are multiplied by the heat content factors for natural gas end-use sectors consumption shown in Table A4.

Asphalt and Road Oil

EIA assumes all asphalt and road oil consumption is for non-combustion use. For Table 1.13b, asphalt and road oil values in Table 1.13a are multiplied by 6.636 million Btu/ barrel (the approximate heat content of asphalt and road oil) and the number of days in the period.

Distillate Fuel Oil

EIA assumes that all non-combustion use of distillate fuel oil occurs in the industrial sector. EIA estimates non-combustion ratios of distillate fuel oil using total distillate fuel oil nonfuel use data from MECS. Ratios prior to 1985 are assumed to be equal to the 1985 ratio. For Table 1.13b, distillate fuel oil values in Table 1.13a are multiplied by the heat content factors for distillate fuel oil consumption shown in Table A3 and the number of days in the period. Distillate fuel oil is included in "other" petroleum products.

Hydrocarbon Gas Liquids (HGL)

EIA estimates non-combustion ratios of hydrocarbon gas liquids (HGL), which include ethane, propane, normal butane, isobutane, natural gasoline (pentanes plus), and refinery olefins (ethylene, propylene, butylene, and isobutylene). EIA assumes that 100% of ethane, ethylene, and propylene consumption is for non-combustion use; 85% of normal butane, butylene, isobutane, and isobutylene consumption is for non-combustion use; and 50% of natural gasoline consumption is for non-combustion use. Non-combustion use of propane in the industrial sector is estimated using data from the American Petroleum Institute (API), the Propane Education & Research Council (PERC), and EIA's *Petroleum Supply Annual* (PSA). For 1984 through 2009, propane non-combustion ratios are estimated using API propane and propylene chemical industry sales data. Propane non-combustion ratios prior to 1984 are assumed to be equal to the 1984 ratio. For 2010 through 2016, propane non-combustion ratios are estimated by subtracting API data for total odorized propane sales from PSA data for total propane product supplied. Beginning in 2017, propane non-combustion ratios are estimated by subtracting PERC data for total odorized propane sales from PSA data for total propane product supplied. For Table 1.13b, HGL component values are multiplied by the appropriate heat content factors in Table A1 and the number of days in the period.

Lubricants

EIA assumes all lubricants consumption is for non-combustion use. For Table 1.13b, lubricants values in Table 1.13a are multiplied by 6.065 million Btu/barrel (the approximate heat content of lubricants) and the number of days in the period.

Petrochemical Feedstocks, Naphtha

EIA assumes all naphtha for petrochemical feedstocks is for non-combustion use. For Table 1.13b, naphtha petrochemical feedstock values in 1.13a are multiplied by 5.248 million Btu/barrel (the approximate heat content of naphtha for petrochemical feedstocks) and the number of days in the period.

Petrochemical Feedstocks, Other Oils

EIA assumes all other oils for petrochemical feedstocks are for non-combustion use. For Table 1.13b, other oils petrochemical feedstock values in 1.13a are multiplied by 5.825 million Btu/barrel (the approximate heat content of other oils for petrochemical feedstocks) and the number of days in the period.

Petrochemical Feedstocks, Still Gas

EIA assumes all still gas not burned as refinery fuel or for pipeline gas supplies is for non-combustion use. EIA estimates non-combustion ratios of still gas by subtracting data for all known fuel uses (refinery fuel use from the PSA, and

pipeline gas supplies from EIA's *Natural Gas Annual*) from the products supplied values in the PSA. The remainder is assumed to be dispatched to chemical plants as a feedstock for non-combustion use. For Table 1.13b, still gas for petrochemical feedstock values in 1.13a are multiplied by the still gas heat content factors (through 2015, the still gas heat content factor is 6.000 million Btu per fuel oil equivalent barrel; beginning in 2016, the still gas heat content factor is 6.287 million Btu per residual fuel oil equivalent barrel) and the number of days in the period.

Petroleum Coke

EIA assumes all non-combustion use of petroleum coke occurs in the industrial sector. Examples include petroleum coke used in the production of chemicals and metals. EIA estimates non-combustion ratios of petroleum coke by first subtracting data for petroleum coke consumed at refineries (from EIA, Form EIA-820, "Annual Refinery Report") from industrial sector petroleum coke consumption (from MER Table 3.7b), and then multiplying that amount by the nonfuel share of non-refinery petroleum coke consumption (from MECS). Non-combustion ratios prior to 1994 are assumed to be equal to the 1994 ratio. For Table 1.13b, petroleum coke values in 1.13a are multiplied by 5.719 million Btu/barrel (the approximate heat content of marketable petroleum coke) and the number of days in the period.

Residual Fuel Oil

EIA assumes that all non-combustion use of residual fuel oil occurs in the industrial sector. EIA estimates non-combustion ratios of residual fuel oil using total minus chemicals industry residual fuel oil nonfuel use data from MECS. Ratios prior to 1994 are assumed to be equal to the 1994 ratio. For Table 1.13b, residual fuel oil values in Table 1.13a are multiplied by 6.287 million Btu/barrel (the approximate heat content of residual fuel oil) and the number of days in the period. Residual fuel oil is included in "other" petroleum products.

Special Naphthas

EIA assumes all special naphthas consumption is for non- combustion use. For Table 1.13b, special naphthas values in Table 1.13a are multiplied by 5.248 million Btu/barrel (the approximate heat content of special naphthas) and the number of days in the period.

Waxes

EIA assumes all waxes consumption is for non-combustion use. For Table 1.13b, waxes values in Table 1.13a are multiplied by 5.537 million Btu/barrel (the approximate heat content of waxes) and the number of days in the period. Waxes are included in "other" petroleum products.

Miscellaneous Petroleum Products

Miscellaneous products include all finished petroleum products not classified elsewhere. EIA assumes all miscellaneous petroleum products consumption is for non-combustion use. For Table 1.13b, miscellaneous petroleum products values in Table 1.13a are multiplied by 5.796 million Btu/barrel (the approximate heat content of miscellaneous petroleum products) and the number of days in the period. Miscellaneous petroleum products are included in "other" petroleum products.

Table 1.2 Sources

Coal

1949–1988: Coal production data from Table 6.1 are converted to Btu by multiplying by the coal production heat content factors in Table A5.

1989 forward: Coal production data from Table 6.1 are converted to Btu by multiplying by the coal production heat content factors in Table A5. Waste coal supplied data from Table 6.1 are converted to Btu by multiplying by the waste coal supplied heat content factors in Table A5. Coal production (including waste coal supplied) is equal to coal production plus waste coal supplied.

Natural Gas (Dry)

1949 forward: Natural gas (dry) production data from Table 4.1 are converted to Btu by multiplying by the natural gas (dry) production heat content factors in Table A4.

Crude Oil

1949 forward: Crude oil (including lease condensate) production data from Table 3.1 are converted to Btu by multiplying by the crude oil (including lease condensate) production heat content factors in Table A2.

NGPL

1949 forward: Natural gas plant liquids (NGPL) production data from Table 3.1 are converted to Btu by multiplying by the NGPL production heat content factors in Table A2.

Fossil Fuels Total

1949 forward: Total fossil fuels production is the sum of the production values for coal, natural gas (dry), crude oil, and NGPL.

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 10.1.

Total Primary Energy Production

1949 forward: Total primary energy production is the sum of the production values for fossil fuels, nuclear electric power, and renewable energy.

Table 1.3 Sources

Coal

1949 forward: Coal consumption data from Table 6.1 are converted to Btu by multiplying by the total coal consumption heat content factors in Table A5.

Natural Gas

1949–1979: Natural gas (including supplemental gaseous fuels) consumption data from Table 4.1 are converted to Btu by multiplying by the total natural gas consumption heat content factors in Table A4.

1980 forward: Natural gas (including supplemental gaseous fuels) consumption data from Table 4.1 are converted to Btu by multiplying by the total natural gas consumption heat content factors in Table A4. Supplemental gaseous fuels data in Btu are estimated using the method described in Note 3, "Supplemental Gaseous Fuels," at the end of Section 4. Natural gas (excluding supplemental gaseous fuels) consumption is equal to natural gas (including supplemental gaseous fuels) consumption minus supplemental gaseous fuels.

Petroleum

1949–1992: Petroleum (excluding biofuels) consumption is equal to total petroleum products supplied from Table 3.6.

1993–2008: Petroleum (excluding biofuels) consumption is equal to total petroleum products supplied from Table 3.6 minus fuel ethanol consumption from Table 10.3.

2009–2011: Petroleum (excluding biofuels) consumption is equal to: total petroleum products supplied from Table 3.6; minus fuel ethanol (minus denaturant) consumption from Table 10.3; 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: Petroleum (excluding biofuels) consumption is equal to: total petroleum products supplied from Table 3.6; minus fuel ethanol (minus denaturant) consumption from Table 10.3; minus biodiesel consumption from Table 10.4a; 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: Petroleum (excluding biofuels) consumption is equal to: total petroleum products supplied from Table 3.6; minus fuel ethanol (minus denaturant) consumption from Table 10.3; 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).

Coal Coke Net Imports 1949 forward: Table 1.4c.

Fossil Fuels Total

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

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 10.1.

Electricity Net Imports 1949 forward: Table 1.4c.

Total Primary Energy Consumption

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

Table 1.4a Sources

Coal

1949 forward: Coal imports data from Table 6.1 are converted to Btu by multiplying by the coal imports heat content factors in Table A5.

Coal Coke

1949 forward: Coal coke imports data from U.S. Department of Commerce, Bureau of the Census, Monthly Report IM 145, are converted to Btu by multiplying by the coal coke imports heat content factor in Table A5.

Natural Gas

1949 forward: Natural gas imports data from Table 4.1 are converted to Btu by multiplying by the natural gas imports heat content factors in Table A4.

Crude Oil

1949 forward: Crude oil imports data from Table 3.3b are converted to Btu by multiplying by the crude oil imports heat content factors in Table A2.

Petroleum Products

1949–1992: Petroleum products (excluding biofuels) imports are equal to total petroleum imports from Table 3.3b minus crude oil imports from Table 3.3b; petroleum products (excluding biofuels) imports data are converted to Btu by multiplying by the total petroleum products imports heat content factors in Table A2.

1993–2008: Petroleum products (excluding biofuels) imports are equal to petroleum products (including biofuels) imports (see 1949–1992 sources above) minus fuel ethanol (minus denaturant) imports (see "Biomass—Fuel Ethanol (Minus Denaturant)" sources below).

2009–2011: Biomass-based diesel fuel imports data are from U.S. Energy Information Administration, Petroleum Supply Annual (PSA), Tables 1 and 25, and Petroleum Supply Monthly (PSM), Tables 1 and 37 (the data are converted to Btu by multiplying by the biodiesel heat content factor in Table A1). Petroleum products (excluding biofuels) imports are equal to petroleum products (including biofuels) imports (see 1949–1992 sources above) minus fuel ethanol (minus denaturant) imports (see "Biomass—Fuel Ethanol (Minus Denaturant)" sources below) minus biomass-based diesel fuel imports.

2012–2020: Petroleum products (excluding biofuels) imports are equal to petroleum products (including biofuels) imports (see 1949–1992 sources above) minus fuel ethanol (minus denaturant) imports (see "Biomass—Fuel Ethanol (Minus Denaturant)" sources below) minus biodiesel imports (see "Biomass—Biodiesel") minus renewable diesel fuel imports (see "Biomass—Renewable Diesel Fuel").

2021 forward: Petroleum products (excluding biofuels) imports are equal to petroleum products (including biofuels) imports (see 1949–1992 sources above) minus fuel ethanol (minus denaturant) imports (see "Biomass—Fuel Ethanol (Minus Denaturant)" sources below) minus biodiesel imports (see "Biomass—Biodiesel") minus renewable diesel fuel imports (see "Biomass—Renewable Diesel Fuel") minus other biofuels imports (see "Biomass—Other Biofuels").

Total Petroleum

1949 forward: Total petroleum imports are equal to crude oil imports plus petroleum products imports.

Biomass—Fuel Ethanol (Minus Denaturant)

1993 forward: Fuel ethanol (including denaturant) imports data are from PSA/PSM Table 1. Fuel ethanol (minus denaturant) production is equal to fuel ethanol (including denaturant) production from Table 10.3 minus denaturant from Table 10.3. Fuel ethanol (minus denaturant) imports are equal to fuel ethanol (including denaturant) imports multiplied by the ratio of fuel ethanol (minus denaturant) production to fuel ethanol (including denaturant) production. Fuel ethanol (minus denaturant) imports data are converted to Btu by multiplying by 3.539 million Btu per barrel, the undenatured ethanol heat content factor in Table A3.

Biomass—Biodiesel

2001 forward: Biodiesel imports data are from Table 10.4a, and are converted to Btu by multiplying by the biodiesel heat content factor in Table A1.

Biomass—Renewable Diesel Fuel

2012 forward: Renewable diesel fuel imports data are from Table 10.4b, and are converted to Btu by multiplying by the renewable diesel fuel heat content factor in Table A1.

Biomass—Other Biofuels

2021 forward: Other biofuels imports data are from Table 10.4c, and are converted to Btu by multiplying by the other biofuels heat content factor in Table A1.

Total Biomass

1993–2000: Total biomass imports are equal to fuel ethanol (minus denaturant) imports.

2001–2011: Total biomass imports are equal to fuel ethanol (minus denaturant) imports plus biodiesel imports.

2012–2020: Total biomass imports are the sum of imports values for fuel ethanol (minus denaturant), biodiesel, and renewable diesel fuel.

2021 forward: Total biomass imports are the sum of imports values for fuel ethanol (minus denaturant), biodiesel, renewable diesel fuel, and other biofuels.

Electricity

1949 forward: Electricity imports data from Table 7.1 are converted to Btu by multiplying by the electricity heat content factor in Table A6.

Total Primary Energy Imports

1949 forward: Total primary energy imports are the sum of the imports values for coal, coal coke, natural gas, total petroleum, total biomass, and electricity.

Table 1.4b Sources

Coal

1949 forward: Coal exports data from Table 6.1 are converted to Btu by multiplying by the coal exports heat content factors in Table A5.

Coal Coke

1949 forward: Coal coke exports data from U.S. Department of Commerce, Bureau of the Census, Monthly Report EM 545, are converted to Btu by multiplying by the coal coke exports heat content factor in Table A5.

Natural Gas

1949 forward: Natural gas exports data from Table 4.1 are converted to Btu by multiplying by the natural gas exports heat content factors in Table A4.

Crude Oil

1949 forward: Crude oil exports data from Table 3.3b are converted to Btu by multiplying by the crude oil exports heat content factor in Table A2.

Petroleum Products

1949–2009: Petroleum products (excluding biofuels) exports are equal to total petroleum exports from Table 3.3b minus crude oil exports from Table 3.3b; petroleum products (excluding biofuels) exports data are converted to Btu by multiplying by the total petroleum products exports heat content factors in Table A2.

2010: Petroleum products (including biofuels) exports are equal to total petroleum exports from Table 3.3b minus crude oil exports from Table 3.3b; petroleum products (including biofuels) exports data are converted to Btu by multiplying by the total petroleum products exports heat content factors in Table A2. Petroleum products (excluding biofuels) exports are equal to petroleum products (including biofuels) exports minus fuel ethanol (minus denaturant) exports (see "Biomass—Fuel Ethanol (Minus Denaturant)" sources below).

2011–2018: Biomass-based diesel fuel exports data are from U.S. Energy Information Administration (EIA), Petroleum Supply Annual (PSA), Table 31, and are converted to Btu by multiplying by the biodiesel heat content factor in Table A1. Petroleum products (excluding biofuels) exports are equal to petroleum products (including biofuels) exports (see 2010 sources above) minus fuel ethanol (minus denaturant) exports (see "Biomass—Fuel Ethanol (Minus Denaturant)" sources below) minus biomass-based diesel fuel exports.

2019–2024: Biodiesel exports data are from EIA, PSA, Table 31, and *Petroleum Supply Monthly* (PSM), Table 49, and are converted to Btu by multiplying by the biodiesel heat content factor in Table A1. Petroleum products (excluding biofuels) exports are equal to petroleum products (including biofuels) exports (see 2010 sources above) minus fuel ethanol (minus denaturant) exports (see "Biomass—Fuel Ethanol (Minus Denaturant)" sources below) minus biodiesel exports.

2025: Petroleum products (excluding biofuels) exports data are equal to petroleum products (including biofuels) exports (see 2010 sources above) minus fuel ethanol (minus denaturant) exports (see "Biomass—Fuel Ethanol (Minus Denaturant)" sources below) minus biodiesel exports (see "Biomass—Biodiesel" sources below) minus renewable diesel

fuel exports (see "Biomass—Renewable Diesel Fuel" sources below) minus other biofuels exports (see "Biomass—Other Biofuels" sources below).

Total Petroleum

1949 forward: Total petroleum exports are equal to crude oil exports plus petroleum products exports.

Biomass—Fuel Ethanol (Minus Denaturant)

2010 forward: Fuel ethanol (including denaturant) exports data are from PSA/PSM Table 1. Fuel ethanol (minus denaturant) production is equal to fuel ethanol (including denaturant) production from Table 10.3 minus denaturant from Table 10.3. Fuel ethanol (minus denaturant) exports are equal to fuel ethanol (including denaturant) exports multiplied by the ratio of fuel ethanol (minus denaturant) production to fuel ethanol (including denaturant) production. Fuel ethanol (minus denaturant) exports are converted to Btu by multiplying by 3.539 million Btu per barrel, the undenatured ethanol heat content factor in Table A3.

Biomass—Biodiesel

2001 forward: Biodiesel exports data are from Table 10.4a, and are converted to Btu by multiplying by the biodiesel heat content factor in Table A1.

Biomass—Densified Biomass

2016 forward: Densified biomass exports data are from EIA, Form EIA-63C, "Densified Biomass Fuel Report."

Biomass—Renewable Diesel Fuel

2025: Renewable diesel fuel exports data are from Table 10.4b, and are converted to Btu by multiplying by the renewable diesel fuel heat content factor in Table A1.

Biomass—Other Biofuels

2025: Other biofuels exports data are from Table 10.4c, and are converted to Btu by multiplying by the other biofuels heat content factor in Table A1.

Total Biomass

2001–2009: Total biomass exports are equal to biodiesel exports.

2010–2015: Total biomass exports are equal to fuel ethanol (minus denaturant) exports plus biodiesel exports.

2016–2024: Total biomass exports are the sum of the exports values for fuel ethanol (minus denaturant), biodiesel, and densified biomass.

2025: Total biomass exports are the sum of the exports values for fuel ethanol (minus denaturant), biodiesel, densified biomass, renewable diesel fuel, and other biofuels.

Electricity

1949 forward: Electricity exports data from Table 7.1 are converted to Btu by multiplying by the electricity heat content factor in Table A6.

Total Primary Energy Exports

1949 forward: Total primary energy exports are the sum of the exports values for coal, coal coke, natural gas, total petroleum, total biomass, and electricity.

Table 1.5 Sources

U.S. Department of Commerce, U.S. Census Bureau, Foreign Trade Division:

Petroleum Exports

1974-1987: "U.S. Exports," FT-410, December issues.

1988 and 1989: "Report on U.S. Merchandise Trade," final revisions.

1990-1992: "U.S. Merchandise Trade," final report.

1993–2020: "U.S. International Trade in Goods and Services," annual revisions.

2022–2024: "U.S. International Trade in Goods and Services," 2024 annual revisions.

2025: "U.S. International Trade in Goods and Services," FT-900, monthly.

Petroleum Imports

1974–1987: "U.S. Merchandise Trade," FT-900, December issues, 1975–1988.

1988 and 1989: "Report on U.S. Merchandise Trade," final revisions.

1990–1993: "U.S. Merchandise Trade," final report.

1994–2020: "U.S. International Trade in Goods and Services," annual revisions.

2022–2024: "U.S. International Trade in Goods and Services," 2024 annual revisions.

2025: "U.S. International Trade in Goods and Services," FT-900, monthly.

Energy Exports and Imports

1974–1987: U.S. merchandise trade press releases and database printouts for adjustments.

1988: January–July, monthly FT-900 supplement, 1989 issues. August–December, monthly FT-900, 1989 issues.

1989: Monthly FT-900, 1990 issues.

1990–1992: "U.S. Merchandise Trade," final report.

1993–2020: "U.S. International Trade in Goods and Services," annual revisions.

2022–2024: "U.S. International Trade in Goods and Services," 2024 annual revisions.

2025: "U.S. International Trade in Goods and Services," FT-900, monthly.

Petroleum Balance

1974 forward: The petroleum balance is calculated by the U.S. Energy Information Administration (EIA) as petroleum imports minus petroleum exports.

Energy Balance

1974 forward: The energy balance is calculated by EIA as energy imports minus energy exports.

Non-Energy Balance

1974 forward: The non-energy balance is calculated by EIA as the total merchandise balance minus the energy balance.

Total Merchandise

1974–1987: U.S. merchandise trade press releases and database printouts for adjustments.

1988: "Report on U.S. Merchandise Trade, 1988 final revisions," August 18, 1989.

1989: "Report on U.S. Merchandise Trade, 1989 revisions," July 10, 1990.

1990: "U.S. Merchandise Trade, 1990 final report," May 10, 1991, and "U.S. Merchandise Trade, December 1992,"

February 18, 1993, page 3.

1991: "U.S. Merchandise Trade, 1992 final report," May 12, 1993.

1992–2020: "U.S. International Trade in Goods and Services," annual revisions.

2022–2024: "U.S. International Trade in Goods and Services," 2024 annual revisions.

2025: "U.S. International Trade in Goods and Services," FT-900, monthly.