

Table 1.2 Primary Energy Production by Source, Selected Years, 1949-2010

(Quadrillion Btu)

| Year | Fossil Fuels | | | | | Nuclear Electric Power ⁵ | Renewable Energy ¹ | | | | | | Total |
|-------------------|-------------------|-------------------|------------------------|-------------------|---------|-------------------------------------|-----------------------------------|-------------------------|-----------------------|-------------------|-----------------------|--------|---------|
| | Coal ² | Natural Gas (Dry) | Crude Oil ³ | NGPL ⁴ | Total | | Hydro-electric Power ⁶ | Geothermal ⁷ | Solar/PV ⁸ | Wind ⁹ | Biomass ¹⁰ | Total | |
| 1949 | 11.974 | 5.377 | 10.683 | 0.714 | 28.748 | 0.000 | 1.425 | NA | NA | NA | 1.549 | 2.974 | 31.722 |
| 1950 | 14.060 | 6.233 | 11.447 | .823 | 32.563 | .000 | 1.415 | NA | NA | NA | 1.562 | 2.978 | 35.540 |
| 1955 | 12.370 | 9.345 | 14.410 | 1.240 | 37.364 | .000 | 1.360 | NA | NA | NA | 1.424 | 2.784 | 40.148 |
| 1960 | 10.817 | 12.656 | 14.935 | 1.461 | 39.869 | .006 | 1.608 | R (s) | NA | NA | 1.320 | R2.928 | R42.803 |
| 1965 | 13.055 | 15.775 | 16.521 | 1.883 | 47.235 | .043 | 2.059 | R.002 | NA | NA | 1.335 | R3.396 | R50.674 |
| 1970 | 14.607 | 21.666 | 20.401 | 2.512 | 59.186 | .239 | 2.634 | R.006 | NA | NA | 1.431 | R4.070 | R63.495 |
| 1975 | 14.989 | 19.640 | 17.729 | 2.374 | 54.733 | 1.900 | 3.155 | R.034 | NA | NA | 1.499 | R4.687 | R61.320 |
| 1976 | 15.654 | 19.480 | 17.262 | 2.327 | 54.723 | 2.111 | 2.976 | R.038 | NA | NA | 1.713 | R4.727 | R61.561 |
| 1977 | 15.755 | 19.565 | 17.454 | 2.327 | 55.101 | 2.702 | 2.333 | R.037 | NA | NA | 1.838 | R4.209 | R62.012 |
| 1978 | 14.910 | 19.485 | 18.434 | 2.245 | 55.074 | 3.024 | 2.937 | R.031 | NA | NA | 2.038 | R5.005 | R63.104 |
| 1979 | 17.540 | 20.076 | 18.104 | 2.286 | 58.006 | 2.776 | 2.931 | R.040 | NA | NA | 2.152 | R5.123 | R65.904 |
| 1980 | 18.598 | 19.908 | 18.249 | 2.254 | 59.008 | 2.739 | 2.900 | R.053 | NA | NA | 2.476 | R5.428 | R67.175 |
| 1981 | 18.377 | 19.699 | 18.146 | 2.307 | 58.529 | 3.008 | 2.758 | R.059 | NA | NA | 2.596 | R5.414 | R66.951 |
| 1982 | 18.639 | 18.319 | 18.309 | 2.191 | 57.458 | 3.131 | 3.266 | R.051 | NA | NA | 2.663 | R5.980 | R66.569 |
| 1983 | 17.247 | 16.593 | 18.392 | 2.184 | 54.416 | 3.203 | 3.527 | R.064 | NA | (s) | 2.904 | R6.496 | R64.114 |
| 1984 | 19.719 | 18.008 | 18.848 | 2.274 | 58.849 | 3.553 | 3.386 | R.081 | (s) | (s) | 2.971 | R6.438 | R68.840 |
| 1985 | 19.325 | 16.980 | 18.992 | 2.241 | 57.539 | 4.076 | 2.970 | R.097 | (s) | (s) | 3.016 | R6.084 | R67.698 |
| 1986 | 19.509 | 16.541 | 18.376 | 2.149 | 56.575 | 4.380 | 3.071 | R.108 | (s) | (s) | 2.932 | R6.111 | R67.066 |
| 1987 | 20.141 | 17.136 | 17.675 | 2.215 | 57.167 | 4.754 | 2.635 | R.112 | (s) | (s) | 2.875 | R5.622 | R67.542 |
| 1988 | 20.738 | 17.599 | 17.279 | 2.260 | 57.875 | 5.587 | 2.334 | R.106 | (s) | (s) | 3.016 | R5.457 | R68.919 |
| 1989 | 21.360 | 17.847 | 16.117 | 2.158 | 57.483 | 5.602 | 2.837 | R.162 | .055 | .022 | 3.159 | R6.235 | R69.320 |
| 1990 | 22.488 | 18.326 | 15.571 | 2.175 | 58.560 | 6.104 | 3.046 | R.171 | R.059 | .029 | 2.735 | R6.041 | R70.705 |
| 1991 | 21.636 | 18.229 | 15.701 | 2.306 | 57.872 | 6.422 | 3.016 | R.178 | R.062 | .031 | 2.782 | R6.069 | R70.362 |
| 1992 | 21.694 | 18.375 | 15.223 | 2.363 | 57.655 | 6.479 | 2.617 | R.179 | .064 | .030 | 2.932 | R5.821 | R69.955 |
| 1993 | 20.336 | 18.584 | 14.494 | 2.408 | 55.822 | 6.410 | 2.892 | R.186 | .066 | .031 | 2.908 | R6.083 | R68.315 |
| 1994 | 22.202 | 19.348 | 14.103 | 2.391 | 58.044 | 6.694 | 2.683 | R.173 | R.068 | .036 | 3.028 | R5.988 | R70.726 |
| 1995 | 22.130 | 19.082 | 13.887 | 2.442 | 57.540 | 7.075 | 3.205 | R.152 | R.069 | .033 | 3.099 | R6.558 | R71.174 |
| 1996 | 22.790 | 19.344 | 13.723 | 2.530 | 58.387 | 7.087 | 3.590 | R.163 | R.070 | .033 | 3.155 | R7.012 | R72.486 |
| 1997 | 23.310 | 19.394 | 13.658 | 2.495 | 58.857 | 6.597 | 3.640 | R.167 | .070 | .034 | 3.108 | R7.018 | R72.472 |
| 1998 | 24.045 | 19.613 | 13.235 | 2.420 | 59.314 | 7.068 | 3.297 | R.168 | R.069 | .031 | 2.929 | R6.494 | R72.876 |
| 1999 | 23.295 | 19.341 | 12.451 | 2.528 | 57.614 | 7.610 | 3.268 | R.171 | R.068 | .046 | 2.965 | R6.517 | R71.742 |
| 2000 | 22.735 | 19.662 | 12.358 | 2.611 | 57.366 | 7.862 | 2.811 | R.164 | R.065 | .057 | 3.006 | R6.104 | R71.332 |
| 2001 | 23.547 | 20.166 | 12.282 | 2.547 | 58.541 | 8.029 | 2.242 | R.164 | R.064 | .070 | 2.624 | R5.164 | R71.735 |
| 2002 | 22.732 | 19.439 | 12.163 | 2.559 | 56.894 | 8.145 | 2.689 | R.171 | R.063 | .105 | 2.705 | R5.734 | R70.773 |
| 2003 | 22.094 | 19.633 | 12.026 | 2.346 | 56.099 | 7.959 | 2.825 | R.175 | R.062 | .115 | 2.805 | R5.982 | R70.040 |
| 2004 | 22.852 | 19.074 | 11.503 | 2.466 | 55.895 | 8.222 | 2.690 | R.178 | R.063 | .142 | 2.998 | R6.070 | R70.188 |
| 2005 | 23.185 | 18.556 | 10.963 | 2.334 | 55.038 | 8.161 | 2.703 | R.181 | R.063 | .178 | 3.104 | R6.229 | R69.427 |
| 2006 | 23.790 | 19.022 | 10.801 | 2.356 | 55.968 | 8.215 | 2.869 | R.181 | R.068 | .264 | 3.226 | R6.608 | R70.792 |
| 2007 | 23.493 | 19.825 | 10.721 | 2.409 | 56.447 | 8.455 | 2.446 | R.186 | R.076 | .341 | 3.489 | R6.537 | R71.440 |
| 2008 | 23.851 | R20.703 | 10.509 | 2.419 | R57.482 | 8.427 | 2.511 | R.192 | R.089 | .546 | 3.867 | R7.205 | R73.114 |
| 2009 | R21.627 | R21.095 | R11.348 | R2.574 | R56.644 | R8.356 | R2.669 | R.200 | R.098 | R.721 | R3.915 | R7.603 | R72.603 |
| 2010 ^P | 22.077 | 22.095 | 11.669 | 2.686 | 58.527 | 8.441 | 2.509 | .212 | .109 | .924 | 4.310 | 8.064 | 75.031 |

¹ 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.

² Beginning in 1989, includes waste coal supplied. Beginning in 2001, also includes a small amount of refuse recovery. See Table 7.1.

³ Includes lease condensate.

⁴ Natural gas plant liquids.

⁵ Nuclear electricity net generation (converted to Btu using the nuclear heat rate—see Table A6).

⁶ Conventional hydroelectricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6).

⁷ Geothermal electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6), and geothermal heat pump and direct use energy.

⁸ Solar thermal and photovoltaic (PV) electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6), and solar thermal direct use energy.

⁹ Wind electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6).

¹⁰ Wood and wood-derived fuels, biomass waste, and total biomass inputs to the production of fuel ethanol and biodiesel.

R=Revised. P=Preliminary. NA=Not available. (s)=Less than 0.0005 quadrillion Btu.

Notes: • See "Primary Energy Production" in Glossary. • Totals may not equal sum of components due to independent rounding.

Web Page: For all data beginning in 1949, see <http://www.eia.gov/totalenergy/data/annual/#summary>.

Sources: Tables 5.1, 6.1, 7.1, 8.2a, 10.1, A2, A4, A5, and A6.