

Table 5.11a Net Generation of Electricity in Utah by Energy Source, 1960-2018

(Includes Electric Utilities; Independent Power Producers; and Combined Heat and Power for Commercial, Industrial and Electric Sectors. See Table 5.12 for breakout by sector)

Gigawatthours

| Year | Coal | Petroleum | Natural Gas | Other Gases ¹ | Hydroelectric | Geothermal ² | Wind | Solar | Biogenic MSW ³ | Landfill Gas | Other Biomass Gases | Nonbiogenic MSW | Total Renew. | Total Fossil Fuel | Total | % Renew. | % Fossil Fuel |
|-------|--------|-----------|-------------|--------------------------|---------------|-------------------------|------|-------|---------------------------|--------------|---------------------|-----------------|--------------|-------------------|--------|----------|---------------|
| 1960 | 1,130 | 1,314 | 290 | na | 304 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 304 | 2,734 | 3,038 | 10.0% | 90.0% |
| 1961 | 1,210 | 1,236 | 374 | na | 231 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 231 | 2,820 | 3,051 | 7.6% | 92.4% |
| 1962 | 998 | 934 | 433 | na | 391 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 391 | 2,365 | 2,756 | 14.2% | 85.8% |
| 1963 | 923 | 876 | 413 | na | 350 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 350 | 2,212 | 2,562 | 13.7% | 86.3% |
| 1964 | 855 | 824 | 324 | na | 762 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 762 | 2,003 | 2,765 | 27.6% | 72.4% |
| 1965 | 779 | 866 | 392 | na | 910 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 910 | 2,037 | 2,947 | 30.9% | 69.1% |
| 1966 | 1,001 | 765 | 700 | na | 788 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 788 | 2,466 | 3,254 | 24.2% | 75.8% |
| 1967 | 909 | 748 | 611 | na | 1,071 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,071 | 2,268 | 3,339 | 32.1% | 67.9% |
| 1968 | 931 | 758 | 444 | na | 1,014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,014 | 2,133 | 3,147 | 32.2% | 67.8% |
| 1969 | 806 | 872 | 287 | na | 1,114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,114 | 1,965 | 3,079 | 36.2% | 63.8% |
| 1970 | 948 | 956 | 307 | na | 738 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 738 | 2,211 | 2,949 | 25.0% | 75.0% |
| 1971 | 894 | 905 | 287 | na | 981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 981 | 2,086 | 3,067 | 32.0% | 68.0% |
| 1972 | 1,165 | 657 | 320 | na | 1,220 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,220 | 2,142 | 3,362 | 36.3% | 63.7% |
| 1973 | 2,007 | 146 | 342 | na | 1,111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,111 | 2,495 | 3,606 | 30.8% | 69.2% |
| 1974 | 2,678 | 69 | 312 | na | 941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 941 | 3,059 | 4,000 | 23.5% | 76.5% |
| 1975 | 4,366 | 82 | 283 | na | 1,074 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,074 | 4,731 | 5,805 | 18.5% | 81.5% |
| 1976 | 2,739 | 32 | 183 | na | 1,130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,130 | 2,954 | 4,084 | 27.7% | 72.3% |
| 1977 | 5,533 | 116 | 421 | na | 757 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 757 | 6,070 | 6,827 | 11.1% | 88.9% |
| 1978 | 7,238 | 90 | 565 | na | 734 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 734 | 7,893 | 8,627 | 8.5% | 91.5% |
| 1979 | 9,408 | 122 | 458 | na | 802 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 802 | 9,988 | 10,790 | 7.4% | 92.6% |
| 1980 | 10,870 | 63 | 358 | na | 821 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 821 | 11,291 | 12,112 | 6.8% | 93.2% |
| 1981 | 10,869 | 40 | 230 | na | 623 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 623 | 11,139 | 11,762 | 5.3% | 94.7% |
| 1982 | 10,635 | 29 | 203 | na | 1,024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,024 | 10,867 | 11,891 | 8.6% | 91.4% |
| 1983 | 10,921 | 40 | 69 | na | 1,394 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,394 | 11,030 | 12,424 | 11.2% | 88.8% |
| 1984 | 12,321 | 30 | 8 | na | 1,391 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 1,429 | 12,359 | 13,788 | 10.4% | 89.6% |
| 1985 | 14,229 | 40 | 14 | na | 1,019 | 110 | 0 | 0 | 0 | 0 | 0 | 0 | 1,129 | 14,283 | 15,412 | 7.3% | 92.7% |
| 1986 | 15,155 | 74 | 6 | na | 1,413 | 172 | 0 | 0 | 0 | 0 | 0 | 0 | 1,584 | 15,235 | 16,819 | 9.4% | 90.6% |
| 1987 | 25,221 | 92 | 13 | na | 856 | 164 | 0 | 0 | 0 | 0 | 0 | 0 | 1,020 | 25,326 | 26,346 | 3.9% | 96.1% |
| 1988 | 28,806 | 59 | 5 | na | 593 | 174 | 0 | 0 | 0 | 0 | 0 | 0 | 767 | 28,870 | 29,637 | 2.6% | 97.4% |
| 1989 | 29,676 | 48 | 37 | na | 562 | 173 | 0 | 0 | 0 | 0 | 0 | 0 | 735 | 29,761 | 30,496 | 2.4% | 97.6% |
| 1990 | 31,523 | 52 | 146 | 182 | 508 | 152 | 0 | 0 | 0 | 0 | 0 | 0 | 660 | 31,903 | 32,564 | 2.0% | 98.0% |
| 1991 | 28,888 | 51 | 550 | 204 | 627 | 186 | 0 | 0 | 0 | 0 | 0 | 0 | 813 | 29,693 | 30,506 | 2.7% | 97.3% |
| 1992 | 31,553 | 34 | 631 | 230 | 602 | 233 | 0 | 0 | 0 | 0 | 0 | 0 | 836 | 32,448 | 33,284 | 2.5% | 97.5% |
| 1993 | 32,126 | 37 | 606 | 281 | 860 | 187 | 0 | 0 | 0 | 0 | 0 | 0 | 1,047 | 33,050 | 34,097 | 3.1% | 96.9% |
| 1994 | 33,131 | 33 | 807 | 281 | 750 | 233 | 0 | 0 | 0 | 0 | 0 | 0 | 983 | 34,252 | 35,235 | 2.8% | 97.2% |
| 1995 | 30,611 | 36 | 791 | 261 | 969 | 168 | 0 | 0 | 0 | 0 | 0 | 0 | 1,137 | 31,699 | 32,836 | 3.5% | 96.5% |
| 1996 | 31,101 | 47 | 324 | 239 | 1,049 | 223 | 0 | 0 | 0 | 0 | 0 | 0 | 1,272 | 31,711 | 32,983 | 3.9% | 96.1% |
| 1997 | 32,544 | 47 | 328 | 281 | 1,344 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 1,547 | 33,200 | 34,747 | 4.5% | 95.5% |
| 1998 | 33,588 | 35 | 528 | 285 | 1,315 | 195 | 0 | 0 | 0 | 0 | 0 | 0 | 1,509 | 34,436 | 35,945 | 4.2% | 95.8% |
| 1999 | 34,534 | 31 | 610 | 191 | 1,255 | 186 | 0 | 0 | 8 | 0 | 0 | 0 | 1,449 | 35,366 | 36,815 | 3.9% | 96.1% |
| 2000 | 34,491 | 58 | 890 | 258 | 746 | 186 | 0 | 0 | 9 | 0 | 0 | 0 | 942 | 35,697 | 36,639 | 2.6% | 97.4% |
| 2001 | 33,679 | 58 | 1,446 | 0 | 508 | 186 | 0 | 0 | 5 | 0 | 0 | 4 | 700 | 35,187 | 35,887 | 2.0% | 98.0% |
| 2002 | 34,488 | 54 | 1,380 | 0 | 458 | 247 | 0 | 0 | 6 | 0 | 0 | 5 | 711 | 35,926 | 36,638 | 1.9% | 98.1% |
| 2003 | 35,979 | 33 | 1,383 | 0 | 421 | 198 | 0 | 0 | 5 | 0 | 0 | 4 | 625 | 37,399 | 38,024 | 1.6% | 98.4% |
| 2004 | 36,618 | 33 | 910 | 0 | 450 | 195 | 0 | 0 | 4 | 0 | 0 | 3 | 649 | 37,563 | 38,212 | 1.7% | 98.3% |
| 2005 | 35,970 | 41 | 1,178 | 0 | 784 | 185 | 0 | 0 | 4 | 0 | 0 | 3 | 973 | 37,192 | 38,165 | 2.6% | 97.4% |
| 2006 | 36,856 | 62 | 3,389 | 0 | 747 | 191 | 0 | 0 | 6 | 9 | 0 | 5 | 952 | 40,311 | 41,263 | 2.3% | 97.7% |
| 2007 | 37,171 | 39 | 7,424 | 0 | 539 | 164 | 0 | 0 | 6 | 25 | 0 | 5 | 734 | 44,639 | 45,373 | 1.6% | 98.4% |
| 2008 | 38,020 | 44 | 7,366 | 36 | 668 | 254 | 24 | 0 | -1 | 25 | 0 | 143 | 970 | 45,609 | 46,579 | 2.1% | 97.9% |
| 2009 | 35,526 | 36 | 6,444 | 28 | 835 | 279 | 160 | 0 | 6 | 42 | 0 | 187 | 1,322 | 42,221 | 43,543 | 3.0% | 97.0% |
| 2010 | 34,057 | 50 | 6,455 | 36 | 696 | 277 | 448 | 0 | 5 | 51 | 0 | 174 | 1,476 | 40,773 | 42,249 | 3.5% | 96.5% |
| 2011 | 33,138 | 54 | 5,256 | 33 | 1,230 | 330 | 573 | 0 | 5 | 53 | 0 | 165 | 2,191 | 38,645 | 40,836 | 5.4% | 94.6% |
| 2012 | 30,799 | 40 | 6,580 | 4 | 748 | 335 | 704 | 2 | 5 | 54 | 1 | 133 | 1,848 | 37,555 | 39,403 | 4.7% | 95.3% |
| 2013 | 34,285 | 26 | 6,606 | 2 | 505 | 319 | 540 | 2 | 5 | 56 | 9 | 161 | 1,437 | 41,080 | 42,517 | 3.4% | 96.6% |
| 2014 | 33,377 | 24 | 8,376 | 0 | 633 | 522 | 660 | 2 | 4 | 60 | 9 | 118 | 1,889 | 41,895 | 43,785 | 4.3% | 95.7% |
| 2015 | 31,656 | 20 | 8,218 | 8 | 769 | 430 | 626 | 32 | 4 | 71 | 10 | 106 | 1,941 | 40,008 | 41,949 | 4.6% | 95.4% |
| 2016 | 25,939 | 32 | 8,691 | 54 | 760 | 485 | 822 | 1,054 | 5 | 77 | 2 | 213 | 3,205 | 34,929 | 38,134 | 8.4% | 91.6% |
| 2017 | 26,390 | 38 | 5,871 | 16 | 1,294 | 481 | 858 | 2,211 | 0 | 71 | 6 | 175 | 4,922 | 32,490 | 37,412 | 13.2% | 86.8% |
| 2018* | 25,913 | 34 | 8,807 | 8 | 1,274 | 470 | 856 | 2,180 | 1 | 76 | 6 | 232 | 4,863 | 34,994 | 39,857 | 12.2% | 87.8% |

*Preliminary

¹Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels²EIA only records data from the Blundell Geothermal Plant and not the Cove Fort Plant. Cove Fort's generation data have been added to the overall geothermal total for 1992 to 2002 (data obtained from company interviews).³Municipal Solid WasteSource: [EIA, Electric Power Annual - Historical state-level tables](#)

Figure 5.2 - Net Generation of Electricity in Utah by Energy Sources, 1960-2018

