

Table 5.11a Net Generation of Electricity in Utah by Energy Source, 1960-2023

(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 | 25,912 | 37 | 8,724 | 7 | 927 | 446 | 795 | 2,224 | 0 | 78 | 1 | 225 | 4,471 | 34,905 | 39,375 | 11.4% | 88.6% |
| 2019 | 25,241 | 40 | 9,369 | 17 | 875 | 310 | 819 | 2,186 | 0 | 70 | 0 | 189 | 4,261 | 34,856 | 39,117 | 10.9% | 89.1% |
| 2020 | 22,806 | 40 | 9,460 | 7 | 817 | 377 | 803 | 2,571 | 0 | 77 | 1 | 130 | 4,645 | 32,443 | 37,087 | 12.5% | 87.5% |
| 2021 | 26,376 | 38 | 10,686 | 5 | 494 | 420 | 825 | 3,479 | 0 | 78 | 2 | 162 | 5,299 | 37,267 | 42,566 | 12.4% | 87.6% |
| 2022 | 22,390 | 31 | 11,107 | 3 | 595 | 463 | 723 | 3,853 | 0 | 72 | 2 | 146 | 5,709 | 33,677 | 39,386 | 14.5% | 85.5% |
| 2023* | 15,698 | 29 | 11,950 | 3 | 538 | 527 | 685 | 3,918 | 0 | 76 | 2 | 102 | 5,746 | 27,782 | 33,528 | 17.1% | 82.9% |

*Preliminary

¹Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels

²EIA 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 Waste

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Figure 5.2 - Net Generation of Electricity in Utah by Energy Sources, 1960-2023

