

**Table 1.10 Cooling Degree Days by Census Division**

|                           | New England <sup>a</sup> | Middle Atlantic <sup>b</sup> | East North Central <sup>c</sup> | West North Central <sup>d</sup> | South Atlantic <sup>e</sup> | East South Central <sup>f</sup> | West South Central <sup>g</sup> | Mountain <sup>h</sup> | Pacific <sup>i</sup> | United States |
|---------------------------|--------------------------|------------------------------|---------------------------------|---------------------------------|-----------------------------|---------------------------------|---------------------------------|-----------------------|----------------------|---------------|
| 1950 Total                | 295                      | 401                          | 505                             | 647                             | 1,414                       | 1,420                           | 2,282                           | 682                   | 629                  | 871           |
| 1955 Total                | 532                      | 761                          | 922                             | 1,139                           | 1,636                       | 1,674                           | 2,508                           | 780                   | 558                  | 1,144         |
| 1960 Total                | 318                      | 487                          | 626                             | 871                             | 1,583                       | 1,532                           | 2,367                           | 974                   | 796                  | 1,000         |
| 1965 Total                | 310                      | 498                          | 618                             | 832                             | 1,613                       | 1,552                           | 2,461                           | 780                   | 577                  | 979           |
| 1970 Total                | 423                      | 615                          | 747                             | 980                             | 1,744                       | 1,571                           | 2,282                           | 971                   | 734                  | 1,079         |
| 1975 Total                | 422                      | 584                          | 721                             | 937                             | 1,791                       | 1,440                           | 2,162                           | 903                   | 597                  | 1,049         |
| 1980 Total                | 438                      | 680                          | 769                             | 1,158                           | 1,911                       | 1,754                           | 2,651                           | 1,071                 | 653                  | 1,214         |
| 1985 Total                | 324                      | 509                          | 602                             | 780                             | 1,878                       | 1,522                           | 2,519                           | 1,095                 | 761                  | 1,121         |
| 1990 Total                | 429                      | 562                          | 602                             | 913                             | 2,054                       | 1,563                           | 2,526                           | 1,212                 | 838                  | 1,200         |
| 1995 Total                | 471                      | 704                          | 877                             | 928                             | 2,028                       | 1,613                           | 2,398                           | 1,213                 | 794                  | 1,261         |
| 2000 Total                | 279                      | 458                          | 632                             | 983                             | 1,925                       | 1,674                           | 2,775                           | 1,480                 | 772                  | 1,232         |
| 2001 Total                | 464                      | 623                          | 722                             | 994                             | 1,897                       | 1,478                           | 2,543                           | 1,508                 | 861                  | 1,255         |
| 2002 Total                | 508                      | 772                          | 899                             | 1,045                           | 2,182                       | 1,757                           | 2,515                           | 1,467                 | 783                  | 1,363         |
| 2003 Total                | 475                      | 615                          | 619                             | 907                             | 1,980                       | 1,452                           | 2,496                           | 1,553                 | 978                  | 1,268         |
| 2004 Total                | 368                      | 591                          | 585                             | 722                             | 2,038                       | 1,517                           | 2,482                           | 1,290                 | 828                  | 1,217         |
| 2005 Total                | 598                      | 892                          | 944                             | 1,063                           | 2,098                       | 1,676                           | 2,647                           | 1,372                 | 777                  | 1,388         |
| 2006 Total                | 485                      | 693                          | 734                             | 1,034                           | 2,053                       | 1,648                           | 2,786                           | 1,466                 | 922                  | 1,360         |
| 2007 Total                | 447                      | 694                          | 881                             | 1,102                           | 2,219                       | 1,892                           | 2,475                           | 1,564                 | 828                  | 1,392         |
| 2008 Total                | 462                      | 667                          | 683                             | 818                             | 1,993                       | 1,537                           | 2,501                           | 1,385                 | 918                  | 1,282         |
| 2009 Total                | 350                      | 524                          | 534                             | 698                             | 2,029                       | 1,479                           | 2,590                           | 1,393                 | 894                  | 1,241         |
| 2010 Total                | 635                      | 908                          | 964                             | 1,096                           | 2,269                       | 1,977                           | 2,757                           | 1,358                 | 674                  | 1,456         |
| 2011 Total                | 554                      | 836                          | 859                             | 1,074                           | 2,259                       | 1,727                           | 3,112                           | 1,450                 | 736                  | 1,470         |
| 2012 Total                | 565                      | 815                          | 974                             | 1,221                           | 2,162                       | 1,762                           | 2,915                           | 1,573                 | 917                  | 1,495         |
| 2013 Total                | 540                      | 683                          | 690                             | 892                             | 2,000                       | 1,441                           | 2,536                           | 1,462                 | 892                  | 1,306         |
| 2014 Total                | 420                      | 596                          | 610                             | 814                             | 2,009                       | 1,493                           | 2,474                           | 1,431                 | 1,068                | 1,299         |
| 2015 Total                | 555                      | 804                          | 729                             | 942                             | 2,405                       | 1,718                           | 2,741                           | 1,478                 | 1,068                | 1,488         |
| 2016 January              | 0                        | 0                            | 0                               | 0                               | 25                          | 2                               | 9                               | 0                     | 8                    | 7             |
| February                  | 0                        | 0                            | 0                               | 0                               | 24                          | 3                               | 25                              | 10                    | 15                   | 11            |
| March                     | 0                        | 0                            | 3                               | 10                              | 89                          | 36                              | 86                              | 24                    | 13                   | 35            |
| April                     | 0                        | 0                            | 1                               | 8                               | 87                          | 37                              | 123                             | 42                    | 27                   | 42            |
| May                       | 7                        | 17                           | 42                              | 49                              | 185                         | 124                             | 238                             | 90                    | 37                   | 98            |
| June                      | 75                       | 129                          | 188                             | 263                             | 379                         | 371                             | 475                             | 331                   | 166                  | 271           |
| July                      | 242                      | 310                          | 277                             | 306                             | 509                         | 473                             | 620                             | 408                   | 236                  | 384           |
| August                    | 241                      | 312                          | 297                             | 268                             | 484                         | 460                             | 547                             | 305                   | 234                  | 362           |
| September                 | 61                       | 114                          | 131                             | 138                             | 352                         | 321                             | 429                             | 173                   | 122                  | 219           |
| October                   | 0                        | 6                            | 19                              | 28                              | 157                         | 113                             | 233                             | 99                    | 47                   | 86            |
| November                  | 0                        | 0                            | 0                               | 2                               | 56                          | 12                              | 80                              | 14                    | 17                   | 26            |
| December                  | 0                        | 0                            | 0                               | 0                               | 65                          | 4                               | 17                              | 0                     | 8                    | 17            |
| <b>Total</b>              | <b>626</b>               | <b>888</b>                   | <b>958</b>                      | <b>1,073</b>                    | <b>2,412</b>                | <b>1,957</b>                    | <b>2,882</b>                    | <b>1,496</b>          | <b>929</b>           | <b>1,558</b>  |
| 2017 January              | 0                        | 0                            | 0                               | 0                               | 50                          | 20                              | 35                              | 0                     | 7                    | R 17          |
| February                  | 0                        | 0                            | 0                               | 3                               | 54                          | 18                              | 67                              | 5                     | 7                    | 22            |
| March                     | 0                        | 0                            | 1                               | 6                               | 56                          | 28                              | 112                             | 31                    | 17                   | 32            |
| April                     | 0                        | 2                            | 7                               | 9                               | 124                         | 74                              | R 141                           | 50                    | 25                   | 56            |
| May                       | R 3                      | 14                           | 37                              | 50                              | 212                         | 135                             | R 241                           | 109                   | 46                   | 106           |
| June                      | R 72                     | R 123                        | 167                             | R 205                           | R 338                       | R 272                           | R 445                           | R 308                 | R 148                | 241           |
| July                      | R 170                    | R 251                        | 241                             | R 331                           | R 469                       | 429                             | 583                             | 414                   | 283                  | 363           |
| August                    | R 126                    | R 163                        | 147                             | R 166                           | R 407                       | 340                             | 509                             | 329                   | R 280                | 292           |
| September                 | R 67                     | 88                           | R 92                            | 127                             | R 281                       | 194                             | R 367                           | 178                   | R 137                | 184           |
| October                   | 11                       | 22                           | 16                              | 14                              | 158                         | 66                              | R 144                           | R 90                  | 69                   | 77            |
| November                  | 0                        | 0                            | 0                               | 0                               | R 67                        | 6                               | 67                              | R 29                  | 21                   | 27            |
| December                  | 0                        | 0                            | 0                               | 0                               | 38                          | 1                               | 5                               | 1                     | 10                   | 10            |
| <b>Total</b>              | <b>R 450</b>             | <b>R 663</b>                 | <b>R 706</b>                    | <b>911</b>                      | <b>R 2,255</b>              | <b>R 1,583</b>                  | <b>R 2,718</b>                  | <b>1,544</b>          | <b>R 1,048</b>       | <b>1,426</b>  |
| 2018 January              | 0                        | 0                            | 0                               | 0                               | R 21                        | 1                               | 4                               | R 4                   | 15                   | R 8           |
| February                  | 0                        | 0                            | 0                               | 0                               | 81                          | 21                              | R 33                            | 3                     | 8                    | 23            |
| March                     | 0                        | 0                            | 0                               | 2                               | 34                          | 14                              | R 88                            | 14                    | 9                    | 21            |
| April                     | 0                        | 0                            | 0                               | 0                               | 78                          | 7                               | R 56                            | 70                    | 25                   | 32            |
| May                       | R 24                     | R 65                         | R 140                           | R 168                           | 262                         | 266                             | R 395                           | 137                   | R 38                 | 173           |
| June                      | 56                       | 111                          | 192                             | 272                             | 382                         | 375                             | 548                             | 298                   | 119                  | 269           |
| <b>6-Month Total</b>      | <b>80</b>                | <b>176</b>                   | <b>333</b>                      | <b>441</b>                      | <b>858</b>                  | <b>684</b>                      | <b>1,124</b>                    | <b>525</b>            | <b>214</b>           | <b>526</b>    |
| <b>2017 6-Month Total</b> | <b>75</b>                | <b>139</b>                   | <b>211</b>                      | <b>273</b>                      | <b>835</b>                  | <b>546</b>                      | <b>1,042</b>                    | <b>503</b>            | <b>249</b>           | <b>473</b>    |
| <b>2016 6-Month Total</b> | <b>82</b>                | <b>146</b>                   | <b>234</b>                      | <b>329</b>                      | <b>789</b>                  | <b>574</b>                      | <b>957</b>                      | <b>497</b>            | <b>265</b>           | <b>465</b>    |

<sup>a</sup> Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

<sup>b</sup> New Jersey, New York, and Pennsylvania.

<sup>c</sup> Illinois, Indiana, Michigan, Ohio, and Wisconsin.

<sup>d</sup> Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota.

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

<sup>f</sup> Alabama, Kentucky, Mississippi, and Tennessee.

<sup>g</sup> Arkansas, Louisiana, Oklahoma, and Texas.

<sup>h</sup> Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming.

<sup>i</sup> Alaska, California, Hawaii, Oregon, and Washington.

R=Revised.

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, 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 1949 and monthly data beginning in 1973.

Source: 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](http://www.eia.gov/forecasts/steo/special/pdf/2012_sp_04.pdf).