

Table 1.10 Cooling Degree-Days by Census Division

Census Divisions	December					Cumulative January through December				
	Normal ^a	2010	2011	Percent Change		Normal ^a	2010	2011	Percent Change	
				Normal to 2011	2010 to 2011				Normal to 2011	2010 to 2011
New England Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont	0	0	0	NM	NM	417	710	607	46	-15
Middle Atlantic New Jersey, New York, Pennsylvania	0	0	0	NM	NM	656	988	886	35	-10
East North Central Illinois, Indiana, Michigan, Ohio, Wisconsin	0	0	0	NM	NM	709	978	897	27	-8
West North Central Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota	0	0	0	NM	NM	927	1,090	1,118	21	3
South Atlantic Delaware, Florida, Georgia, Maryland and the District of Columbia, North Carolina, South Carolina, Virginia, West Virginia	33	4	40	NM	NM	1,964	2,315	2,332	19	1
East South Central Alabama, Kentucky, Mississippi, Tennessee	3	0	0	NM	NM	1,547	2,006	1,818	18	-9
West South Central Arkansas, Louisiana, Oklahoma, Texas	10	9	6	NM	NM	2,449	2,757	3,172	30	15
Mountain Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming	0	0	0	NM	NM	1,243	1,340	1,386	12	3
Pacific^b California, Oregon, Washington	1	0	0	NM	NM	704	678	717	2	6
U.S. Average^b	7	2	8	NM	NM	1,216	1,461	1,478	22	1

^a "Normal" is based on calculations of data from 1971 through 2000.

^b Excludes Alaska and Hawaii.

NM=Not meaningful (because "Normal" is less than 100 or ratio is incalculable).

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° 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).

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#summary>

for current data. • See <http://www.eia.gov/totalenergy/data/annual/#summary> for historical data.

Sources: There are several degree-day databases maintained by the National Oceanic and Atmospheric Administration. The information published here is developed by the National Weather Service Climate Prediction Center, Camp Springs, MD. The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at those weather stations is used to calculate statewide degree-day averages based on population. The State figures are then aggregated into Census Divisions and into the national average. The population weights currently used represent resident State population data estimated for the 2000 Census by the U.S. Department of Commerce, Bureau of the Census. The data provided here are available sooner than the Historical Climatology Series 5-2 (cooling degree-days) developed by the National Climatic Data Center, Asheville, NC, which compiles data from some 8,000 weather stations.