

**Table 1.9 Heating Degree-Days by Census Division**

Census Divisions	January					Cumulative July through January				
	Normal <sup>a</sup>	2008	2009	Percent Change		Normal <sup>a</sup>	2008	2009	Percent Change	
				Normal to 2009	2008 to 2009				Normal to 2009	2008 to 2009
<b>New England</b> Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont .....	1,246	1,131	1,417	14	25	3,708	3,504	3,898	5	11
<b>Middle Atlantic</b> New Jersey, New York, Pennsylvania .....	1,158	1,024	1,288	11	26	3,349	2,964	3,459	3	17
<b>East North Central</b> Illinois, Indiana, Michigan, Ohio, Wisconsin .....	1,302	1,217	1,468	13	21	3,774	3,478	4,042	7	16
<b>West North Central</b> Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota .....	1,390	1,365	1,456	5	7	4,085	3,899	4,218	3	8
<b>South Atlantic</b> Delaware, Florida, Georgia, Maryland and the District of Columbia, North Carolina, South Carolina, Virginia, West Virginia .....	643	609	669	4	10	1,726	1,504	1,774	3	18
<b>East South Central</b> Alabama, Kentucky, Mississippi, Tennessee .....	820	825	822	(s)	(s)	2,230	1,991	2,272	2	14
<b>West South Central</b> Arkansas, Louisiana, Oklahoma, Texas .....	593	582	527	-11	-9	1,498	1,365	1,414	-6	4
<b>Mountain</b> Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming .....	951	1,009	849	-11	-16	3,098	2,938	2,768	-11	-6
<b>Pacific<sup>b</sup></b> California, Oregon, Washington .....	564	626	477	-15	-24	1,817	1,848	1,571	-14	-15
<b>U.S. Average<sup>b</sup></b> .....	<b>917</b>	<b>883</b>	<b>953</b>	<b>4</b>	<b>8</b>	<b>2,656</b>	<b>2,455</b>	<b>2,676</b>	<b>1</b>	<b>9</b>

<sup>a</sup> "Normal" is based on calculations of data from 1971 through 2000.

<sup>b</sup> Excludes Alaska and Hawaii.

(s)=Less than 0.5 percent and greater than -0.5 percent.

Notes: Degree-days are relative measurements of outdoor air temperature used as an index for heating and cooling energy requirements. Heating degree-days are the number of degrees that the daily average temperature falls below 65° F. Cooling degree-days are the number of degrees that the daily average temperature rises above 65° F. The daily average temperature is the mean of the maximum and minimum temperatures in a 24-hour period. For example, 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). 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).

Web Pages: • See <http://www.eia.doe.gov/emeu/mer/overview.html> for current data. • See <http://www.eia.doe.gov/emeu/aer/overview.html> 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 5-1 (heating degree-days) developed by the National Climatic Data Center, Asheville, NC, which compiles data from some 8,000 weather stations.