

Heating Degree Days

A heating degree day is basically a measure of how cold it has been.

When heating a space, fuel demand varies according to how cold it is. Degree day units were developed to help in estimating the heat requirements and fuel costs for a building.

When the outside air is above a certain temperature no heat is required. This is what we refer to as a base temperature. 65° F is used as the base temperature for calculating heating degree-days.

If you take the average daily temperature and subtract it from 65° F you can determine your degree-days. Each degree accounts for one degree day.

If today's High temperature is 50° F and the Low is 30° F our average daily temperature is 40° F. Subtract 40° F from 65° F and you will see that there are 25 degree days for today.

Heating costs are directly proportional to the number of degree days in a year.

Heating Degree Days

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
2001	867.0	514.0	563.0	116.0	9.0	2.0	0.0	0.0	62.0	213.0	278.0	571.0	3,195.0
2002	700.0	708.0	467.0	156.0	113.0	1.0	0.0	0.0	1.0	143.0	539.0	729.0	3,557.0
2003	982.0	715.0	424.0	191.0	48.0	11.0	0.0	0.0	51.0	216.0	389.0	830.0	3,857.0
2004	883.0	738.0	406.0	247.0	53.0	2.0	0.0	19.0	27.0	105.0	393.0	817.0	3,690.0
2005	685.0	595.0	541.0	234.0	115.0	0.0	0.0	0.0	8.0	233.0	406.0	839.0	3,656.0
2006	553.0	667.0	442.0	90.0	63.0	0.0	0.0	0.0	49.0	274.0	475.0	597.0	3,210.0
2007	691.0	719	265.0	279	32.0	0.0	0.0	0.0	7.0	137.0	473.0	542.0	3,145.0
2008	791.0	583.0	413.0	223.0	65.0	0.0	0.0	0.0	2.0	239.0	587.0	725.0	3,625.0
2009	848.0	606.0	398.0	242.0	43.0	4.0	0.0	0.0	13.0	290.0	500.0	840.0	3,784.0
2010	1,056.0	911.0	601.0	172.0	42.0	0.0	0.0	0.0	31.0	244.0	494.0	1,023.0	4,574.0
2011	1,006.0	616.0	489.0	162.0	107.0	0.0	0.0	0.0	57.0	209.0	333.0	564.0	3,546.0
2012	577.0	521.0	144.0	140.0	8.0	6.0	0.0	0.0	24.0	236.0	513.0	524.0	2,692.0
2013	640.0	586.0	572.0	194.0	78.5	0.0	2.5	0.0	7.0	173.5	569.5	680.5	3,504.0
2014	1,025.5	712.5	557.0	183.5	70.5	0.0	0.0	0.0	6.0	172.5	597.0	642.0	3,966.5
2015	817.5	886.5	396.0	131.5	33.5	0.0	0.0	0.0	17.0	169.0	282.5	394.0	3,127.5
2016	864.0	624.5	302.0	161.5	69.5	0.0	0.0	0.0	21.0	67.0	369.5	700.0	3,179.0
2017	550.5	414.5	390.5	63.0	42.5	0.0	0.0	0.0	17.5	194.0	394.5	756.5	2,823.5
2018	905.5	385.5	469.5	280.5	0.0	0.0	0.0	0.0	0.0	172.5	579.0	619.0	3,411.5
2019	761.5	395.0	476.0	105.0	26.5	1.5	0.0	0.0	0.0	150.5	529.5	567.0	3,012.5
2020	600.0	577.5	243.5	224.0	85.0	0.0	0.0	0.0	12.0	110.5	371.0	712.5	2,936.0
2021	745.0	703.0	301.0	208.0	67.5	0.0	0.0	0.0	20.5	133.5	555.0	351.5	3,085.0
2022	908.5	603.5	364.0	188.0	11.0	0.0	0.0	0.0	37.0	195.0	415.5	680.0	3,402.5
2023	589.5	415.0	396.5	206.5	59.0	2.5	0.0	0.0	2.5	165.0	366.0	608.0	2,810.5
2024	911.5	504.5	350.0	177.5	23.5	1.5							1,968.5

Usage in MCF (Thousand Cubic Feet)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
2001	447,937	310,362	329,372	159,110	121,809	97,701	101,791	89,263	111,721	179,515	203,515	311,868	2,463,964
2002	400,958	377,064	298,593	165,558	120,249	99,687	88,683	91,446	92,811	139,783	300,719	399,748	2,575,299
2003	495,624	407,793	274,728	174,472	112,707	103,413	98,672	100,233	109,571	151,979	219,360	428,221	2,676,773
2004	467,503	411,145	256,243	186,041	120,396	122,495	98,417	112,253	100,175	120,535	226,666	417,573	2,639,442
2005	395,355	344,805	330,408	167,032	133,361	106,928	95,890	103,768	100,693	167,280	257,821	439,690	2,643,031
2006	349,180	379,831	280,920	148,884	126,155	103,425	106,542	102,583	103,663	188,588	289,904	356,140	2,535,815
2007	429,627	420,115	226,814	212,025	112,733	96,233	114,796	110,344	103,949	136,216	278,687	320,006	2,561,545
2008	459,068	359,822	292,502	182,738	130,659	110,881	102,081	113,819	115,521	174,036	308,740	383,571	2,733,438
2009	449,829	337,133	271,933	172,481	105,236	106,634	98,303	100,958	111,215	166,159	246,984	422,711	2,589,566
2010	528,353	468,197	354,179	173,382	124,289	111,878	110,130	122,845	119,606	163,181	265,815	505,018	3,046,873
2011	521,738	360,436	294,603	168,053	140,825	129,798	108,061	120,554	131,448	178,922	256,083	342,973	2,753,494
2012	391,771	336,206	196,311	166,260	133,647	121,181	116,979	121,088	116,566	195,657	291,233	333,072	2,520,971
2013	425,089	387,485	375,927	208,934	161,053	125,427	119,797	120,208	126,083	179,533	327,161	391,882	2,948,579
2014	566,254	415,470	347,622	176,880	134,737	124,604	118,977	113,245	118,743	157,684	326,042	359,837	2,960,095
2015	460,611	487,972	303,189	173,915	145,694	114,659	101,957	119,699	117,617	150,876	211,178	266,360	2,653,727
2016	471,152	380,070	256,105	185,427	130,898	104,092	87,109	102,889	95,933	121,743	207,132	357,963	2,500,513
2017	324,071	261,414	265,875	150,460	134,817	116,913	90,285	107,327	117,894	154,454	242,460	403,840	2,369,810
2018	511,916	283,332	312,206	235,343	129,744	121,057	106,425	118,843	115,709	174,679	344,629	380,801	2,834,684
2019	445,097	311,785	327,691	175,910	134,984	125,513	106,298	115,698	109,968	158,689	319,268	327,144	2,658,045
2020	373,187	367,533	232,419	157,515	122,627	111,054	107,167	120,902	124,163	159,132	245,458	407,015	2,528,172
2021	445,541	423,371	275,913	211,196	149,447	116,370	108,007	121,448	123,579	144,058	315,867	266,982	2,701,779
2022	515,950	393,674	285,010	208,240	134,846	113,574	109,134	115,284	122,318	186,605	289,788	399,012	2,873,435
2023	394,026	304,246	301,176	192,199	134,256	99,587	93,905	107,950	119,878	169,014	267,183	359,411	2,542,831
2024	532,235	341,142	254,037	180,830	120,554	106,354							1,535,152