

**TABLE 2.1** Percentage Reduction in Annual Heating Load Resulting from Lower Setting of Thermostat\*

Original thermostat setting, °F	Degree decreases in original thermostat setting									
	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
70	3.74	7.41	11.02	14.56	18.03	21.42	24.74	27.99	31.16	34.26
69	3.81	7.56	11.24	14.84	18.37	21.81	25.19	28.49	31.70	34.85
68	3.90	7.72	11.46	15.13	18.71	22.23	25.65	29.00	32.27	35.46
67	3.97	7.87	11.69	15.42	19.07	22.64	26.12	29.52	32.84	36.10
66	4.06	8.04	11.92	15.72	19.44	23.06	26.60	30.07	33.46	36.76
65	4.14	8.19	12.15	16.03	19.80	23.49	27.10	30.64	34.09	37.44
64	4.22	8.36	12.40	16.34	20.19	23.95	27.64	31.24	34.74	38.13
63	4.32	8.54	12.65	16.67	20.60	24.45	28.21	31.86	35.41	38.86
62	4.41	8.71	12.91	17.02	21.04	24.97	28.87	32.49	36.09	39.61
61	4.50	8.90	13.19	17.40	21.51	25.50	29.38	33.15	36.83	40.40
60	4.60	9.11	13.51	17.81	21.99	26.05	30.00	33.85	37.59	41.20
59	4.72	9.34	13.85	18.23	22.48	26.62	30.66	34.58	38.36	-
58	4.85	9.58	14.18	18.65	22.99	27.23	31.34	35.30	-	-
57	4.97	9.80	14.50	19.06	23.52	27.84	32.01	-	-	-
56	5.09	10.03	14.83	19.52	24.06	28.45	-	-	-	-
55	5.21	10.27	15.21	19.99	24.62	-	-	-	-	-

\*Results assume no internal or external heat gains. This chart is applicable to residences and commercial buildings where these gains are minimal

Watson, R. D., & Chapman, K. S. (2002). *Radiant Heating & Cooling Handbook*. McGraw-Hill.



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