

NWE Historical Weather Summary
9 Station Weighted Average - Electric Service Area

Monthly Average Temperature (F)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average Annual
1989	24.4	10.3	29.3	43.7	51.7	61.2	71.4	64.7	56.2	45.1	37.0	23.4	43.2
1990	28.9	27.5	35.8	45.5	50.6	60.8	68.6	68.0	62.8	45.0	37.0	15.2	45.5
1991	19.5	37.4	35.2	43.3	51.8	59.3	69.3	71.5	58.2	43.1	29.8	28.4	45.6
1992	28.3	35.5	42.1	46.9	55.9	63.5	63.2	64.4	56.2	47.2	32.5	16.9	46.1
1993	14.2	17.0	37.3	44.1	57.1	58.3	59.3	61.8	54.2	45.3	27.4	28.9	42.1
1994	28.9	20.9	39.3	45.5	56.0	61.5	68.7	69.5	60.8	44.5	29.9	25.0	45.9
1995	24.6	31.2	32.9	41.4	50.4	58.3	66.0	65.5	56.4	43.1	35.7	25.0	44.2
1996	15.1	20.3	27.7	44.7	47.8	61.8	68.6	67.2	54.6	43.5	25.3	18.9	41.3
1997	16.8	27.8	35.1	38.1	53.5	60.8	65.1	65.9	59.2	45.1	32.1	24.7	43.7
1998	21.9	30.8	32.7	45.6	54.5	56.0	70.4	69.0	62.6	45.0	36.0	23.3	45.7
1999	27.6	33.1	37.3	41.2	50.4	58.8	65.7	68.6	53.5	46.4	40.6	30.1	46.1
2000	24.9	30.1	38.2	46.0	53.4	60.8	70.4	68.6	55.9	44.4	23.2	17.8	44.5
2001	23.0	18.1	35.7	43.4	55.9	60.5	69.5	71.4	61.1	45.5	38.0	24.7	45.6
2002	25.8	27.9	23.8	40.2	50.2	60.9	71.4	63.1	57.5	38.9	34.6	28.8	43.6
2003	28.3	23.6	33.8	45.5	52.1	61.1	73.3	71.6	57.4	49.1	26.8	27.3	45.8
2004	19.1	27.6	41.3	46.4	50.4	58.9	68.9	65.8	55.4	45.2	35.0	29.7	45.3
2005	20.2	31.2	37.2	44.0	51.3	58.8	69.8	66.5	57.2	47.7	34.3	20.9	44.9
2006	33.7	26.3	34.0	46.7	54.9	64.3	73.9	67.3	57.6	43.2	33.0	27.0	46.8
2007	24.2	27.2	42.3	44.3	54.8	63.5	77.2	68.7	57.7	47.2	33.5	26.0	47.2
2008	21.6	30.0	34.6	40.0	52.4	59.8	69.9	68.5	56.0	46.0	39.4	18.5	44.7
2009	25.9	30.6	31.6	42.8	54.0	59.6	68.4	67.2	63.5	39.8	36.1	14.8	44.5
2010	23.8	26.5	39.8	44.0	48.9	59.8	67.2	66.2	57.5	49.6	27.9	20.3	44.3
2011	24.1	19.6	34.2	39.8	49.5	58.2	69.0	69.5	61.3	47.7	31.8	26.6	44.3
2012	28.2	28.0	41.5	47.6	51.1	62.2	72.9	69.3	60.6	43.8	35.7	25.0	47.2
2013	23.5	30.3	35.9	40.5	54.1	61.6	71.3	70.5	61.1	42.0	33.5	20.7	45.4
2014	28.5	16.8	33.2	44.1	53.3	58.9	71.3	67.4	57.7	50.6	27.7	26.6	44.7
2015	26.2	32.4	42.8	44.4	52.4	67.0	68.7	67.9	59.4	50.0	30.0	24.8	47.2
2016	24.4												24.4
28 yr Avg	24.1	26.6	35.7	43.7	52.5	60.6	69.2	67.6	58.2	45.3	32.7	23.7	44.3

Monthly Heating Degree Days

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total
1989	1271.6	1540.7	1118.7	654.3	427.0	158.3	10.6	102.2	286.4	631.2	855.3	1302.4	8359
1990	1134.7	1062.5	920.3	598.8	461.3	206.2	36.8	51.6	122.7	636.1	856.4	1554.4	7642
1991	1422.6	787.0	940.0	672.0	428.5	192.3	19.1	7.7	234.8	700.8	1072.5	1147.9	7625
1992	1151.0	870.8	724.2	559.0	302.9	126.0	108.1	138.3	289.0	570.0	990.2	1502.9	7332
1993	1585.3	1355.7	872.7	643.4	269.5	239.6	206.8	150.5	343.8	629.4	1141.2	1134.9	8573
1994	1133.8	1248.6	814.3	598.8	296.4	168.3	44.9	33.3	157.9	651.6	1067.2	1256.9	7472
1995	1268.3	958.9	1007.4	723.1	470.0	228.8	56.8	80.6	295.0	693.8	895.6	1255.4	7934
1996	1558.6	1297.0	1168.5	625.0	548.8	146.6	31.2	61.9	331.1	681.6	1205.3	1441.3	9097
1997	1505.8	1057.4	943.8	821.7	375.9	159.5	80.5	66.9	207.2	636.7	1000.8	1265.8	8122
1998	1348.1	972.8	1016.5	598.7	341.1	288.1	8.6	22.7	164.0	637.9	885.7	1307.1	7591
1999	1171.1	906.5	872.8	728.2	470.7	217.3	83.7	28.8	361.9	592.3	746.5	1095.6	7275
2000	1256.2	1024.5	847.9	583.3	379.5	165.6	27.1	38.4	304.2	654.7	1269.7	1477.2	8028
2001	1315.8	1327.3	924.5	664.0	316.8	194.5	32.1	8.6	164.7	622.1	825.7	1263.6	7660
2002	1228.5	1053.5	1293.1	758.2	478.2	187.8	22.5	101.0	260.7	824.3	927.9	1137.8	8274
2003	1152.3	1171.7	980.1	599.9	431.8	175.5	9.0	21.8	269.1	511.0	1158.1	1186.8	7667
2004	1437.1	1097.7	751.9	573.7	466.5	215.2	36.2	75.7	311.6	628.7	914.2	1110.8	7619
2005	1401.1	960.8	876.3	646.3	441.3	227.1	33.9	79.1	268.0	554.2	938.5	1379.8	7806
2006	985.1	1094.5	977.6	564.3	344.9	92.8	3.7	50.8	255.7	691.7	972.8	1194.9	7229
2007	1278.8	1072.7	720.1	636.4	332.9	116.9	1.2	35.2	268.1	566.3	960.1	1224.1	7213
2008	1357.9	1014.4	941.8	750.7	400.9	198.0	15.0	46.3	273.2	590.5	767.3	1441.5	7798
2009	1213.4	964.2	1033.9	667.5	356.0	191.2	31.6	48.8	120.9	782.7	868.3	1554.7	7833
2010	1276.2	1077.6	781.8	629.0	500.5	182.8	49.6	70.7	235.1	479.2	1112.1	1385.5	7780
2011	1269.0	1272.6	953.9	757.3	479.5	222.6	21.5	16.2	144.3	543.0	996.7	1190.3	7867
2012	1141.9	1072.3	729.3	526.1	435.4	144.8	7.0	29.9	149.6	656.9	878.7	1240.4	7012
2013	1285.0	971.7	902.4	734.7	346.0	146.9	5.5	8.9	183.3	711.6	945.7	1373.8	7616
2014	1131.8	1348.7	984.8	626.8	367.6	189.2	8.2	61.3	243.3	445.4	1118.4	1189.2	7715
2015	1202.9	912.1	687.0	617.0	390.1	60.4	29.6	54.6	196.8	468.0	1049.2	1246.2	6914
2016	1257.2												1257
28yr Avg	1276.5	1092.4	918.0	650.3	402.2	179.3	37.8	55.3	238.6	621.9	978.5	1291.2	7742.7

NWE Historical Weather Summary
9 Station Weighted Average - Electric Service Area

	Monthly Cooling Degree Days											Annual	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1989	0.0	0.0	0.0	0.4	0.6	32.9	208.7	84.5	11.0	0.0	0.0	0.0	338
1990	0.0	0.0	0.0	0.0	0.0	68.7	142.0	139.3	47.9	0.3	0.0	0.0	398
1991	0.0	0.0	0.0	0.2	0.6	8.8	149.9	207.5	21.2	5.2	0.0	0.0	393
1992	0.0	0.0	0.0	1.3	10.6	72.1	43.2	114.7	12.2	3.1	0.0	0.0	257
1993	0.0	0.0	0.0	0.0	9.5	25.6	17.1	40.0	5.8	0.4	0.0	0.0	98
1994	0.0	0.0	0.0	0.6	2.9	53.4	156.0	170.2	20.1	0.0	0.0	0.0	403
1995	0.0	0.0	0.0	0.0	1.1	16.8	79.7	89.0	22.7	1.1	0.0	0.0	210
1996	0.0	0.0	0.0	0.0	0.0	38.8	137.6	126.5	7.7	0.2	0.0	0.0	311
1997	0.0	0.0	0.0	0.0	2.9	21.9	75.7	87.9	20.8	1.7	0.0	0.0	211
1998	0.0	0.0	0.0	0.0	2.0	3.6	173.4	143.6	82.2	0.0	0.0	0.0	405
1999	0.0	0.0	0.0	0.0	3.0	16.4	100.5	136.2	2.3	0.0	0.0	0.0	258
2000	0.0	0.0	0.0	0.0	2.0	29.6	191.1	145.5	20.9	0.0	0.0	0.0	389
2001	0.0	0.0	0.0	0.5	19.0	49.9	168.9	204.9	37.8	0.8	0.0	0.0	482
2002	0.0	0.0	0.0	0.0	7.7	54.0	218.0	30.4	22.8	0.0	0.0	0.0	333
2003	0.0	0.0	0.0	0.0	19.1	46.6	265.5	224.1	28.0	3.0	0.0	0.0	586
2004	0.0	0.0	0.0	0.4	0.0	21.4	152.6	94.7	9.8	0.8	0.0	0.0	280
2005	0.0	0.0	0.0	0.0	0.7	28.9	179.9	119.3	21.0	1.3	0.0	0.0	351
2006	0.0	0.0	0.0	0.0	18.0	61.5	279.9	117.7	21.5	0.2	0.0	0.0	499
2007	0.0	0.0	0.0	0.4	5.3	64.3	377.5	145.6	38.5	0.0	0.0	0.0	632
2008	0.0	0.0	0.0	0.2	8.9	41.5	167.6	155.0	4.3	0.4	0.0	0.0	378
2009	0.0	0.0	0.0	0.8	14.6	29.1	136.3	115.8	74.8	0.0	0.0	0.0	371
2010	0.0	0.0	0.0	0.2	1.2	28.1	119.2	109.1	10.8	2.4	0.0	0.0	271
2011	0.0	0.0	0.0	0.0	0.0	19.6	146.5	156.9	33.9	5.3	0.0	0.0	362
2012	0.0	0.0	0.0	3.3	5.1	59.7	251.7	162.0	18.5	0.6	0.0	0.0	501
2013	0.0	0.0	0.0	0.0	8.8	45.3	202.3	179.2	66.9	0.0	0.0	0.0	503
2014	0.0	0.0	0.0	0.0	4.2	6.2	202.1	135.0	23.5	0.5	0.0	0.0	372
2015	0.0	0.0	0.0	0.0	0.6	120.9	143.2	144.0	28.1	3.5	0.0	0.0	440
2016	0.0												0
28 yr Avg	0.0	0.0	0.0	0.3	5.5	39.5	166.2	132.5	26.5	1.1	0.0	0.0	358.3