

AMERICAN GAS ASSOCIATION**Interoffice Memorandum**

TO: Distribution

Date: **October 4, 2021**

FROM: Paul Pierson

SUBJECT: Weekly Cooling Degree Day Data

COOLING DEGREE DAY SUMMARY

For the week ending October 2, the weather in the United States was 12.9 percent cooler than last year and was 17.4 percent warmer than normal. All regions were cooler than last year except the E.N. Central, W.M. Central, E.S. Central, and W.S. Central regions. All regions were warmer than normal except the New England, Middle Atlantic, Mountain and Pacific regions. For the month of September, the weather in the United States was 21.9 percent warmer than last year and 6.2 percent warmer than normal.

WEEKLY COMPARISON

Week Ending	2021	2020	Normal	% Change: 2021		% Change: 2021	
				From 2020		From Normal	
05/01/21	15	13	11	15.4	Warmer	36.4	Warmer
05/08/21	18	17	14	5.9	Warmer	28.6	Warmer
05/15/21	13	12	17	8.3	Warmer	23.5	Cooler
05/22/21	27	22	24	22.7	Warmer	12.5	Warmer
05/29/21	37	42	30	11.9	Cooler	23.3	Warmer
06/05/21	37	46	37	19.6	Cooler	-	nc
06/12/21	68	59	43	15.3	Warmer	58.1	Warmer
06/19/21	64	37	50	73.0	Warmer	28.0	Warmer
06/26/21	59	68	58	13.2	Cooler	1.7	Warmer
07/03/21	80	75	65	6.7	Warmer	23.1	Warmer
07/10/21	76	90	70	15.6	Cooler	8.6	Warmer
07/17/21	79	87	73	9.2	Cooler	8.2	Warmer
07/24/21	74	94	75	21.3	Cooler	1.3	Cooler
07/31/21	85	91	75	6.6	Cooler	13.3	Warmer
08/07/21	64	73	73	12.3	Cooler	12.3	Cooler
08/14/21	93	85	70	9.4	Warmer	32.9	Warmer
08/21/21	75	76	66	1.3	Cooler	13.6	Warmer
08/28/21	88	84	58	4.8	Warmer	51.7	Warmer
09/04/21	60	70	52	14.3	Cooler	15.4	Warmer
09/11/21	53	57	44	7.0	Cooler	20.5	Warmer
09/18/21	55	40	37	37.5	Warmer	48.6	Warmer
09/25/21	36	24	29	50.0	Warmer	24.1	Warmer
10/02/21	27	31	23	12.9	Cooler	17.4	Warmer
Cumulative	1283	1293	1094	0.8	Cooler	17.3	Warmer

MONTHLY COMPARISON COOLING DEGREE DATA

Month Ending	2021	2020	Normal	% Change: 2021		% Change: 2021	
				From 2020		From Normal	
April	33	40	30	17.5	Cooler	10.0	Warmer
May	102	109	97	6.4	Cooler	5.2	Warmer
June	275	246	213	11.8	Warmer	29.1	Warmer
July	341	396	321	13.9	Cooler	6.2	Warmer
August	354	346	290	2.3	Warmer	22.1	Warmer
September	189	155	178	21.9	Warmer	6.2	Warmer

COOLING DEGREE DAYS BY CENSUS REGION FOR THE WEEK ENDING: October 2, 2021

Region	2021	2020	Normal	% Change: 2021		% Change: 2021	
				From 2020		From Normal	
New England	0	16	1	100.0	Cooler	100.0	Cooler
Middle Atlantic	1	13	4	92.3	Cooler	75.0	Cooler
E N Central	15	7	5	114.3	Warmer	200.0	Warmer
W N Central	31	11	8	181.8	Warmer	287.5	Warmer
South Atlantic	48	49	44	2.0	Cooler	9.1	Warmer
E S Central	44	27	29	63.0	Warmer	51.7	Warmer
W S Central	74	47	55	57.4	Warmer	34.5	Warmer
Mountain	17	38	26	55.3	Cooler	34.6	Cooler
Pacific	11	50	19	78.0	Cooler	42.1	Cooler
United States	27	31	23	12.9	Cooler	17.4	Warmer

CUMULATIVE COOLING DEGREE DAYS BY CENSUS REGION

Region	2021	2020	Normal	% Change: 2021		% Change: 2021	
				From 2020		From Normal	
New England	656	737	418	11.0	Cooler	56.9	Warmer
Middle Atlantic	897	941	653	4.7	Cooler	37.4	Warmer
E N Central	929	860	702	8.0	Warmer	32.3	Warmer
W N Central	1100	989	913	11.2	Warmer	20.5	Warmer
South Atlantic	1792	1813	1605	1.2	Cooler	11.7	Warmer
E S Central	1554	1580	1449	1.6	Cooler	7.2	Warmer
W S Central	2194	2253	2143	2.6	Cooler	2.4	Warmer
Mountain	1319	1394	1154	5.4	Cooler	14.3	Warmer
Pacific	891	885	652	0.7	Warmer	36.7	Warmer
United States	1283	1293	1094	0.8	Cooler	17.3	Warmer

The regional degree day statistics stated in this memo are weighted by electric home air conditioning customers instead of population.

The definition of cooling degree days is a measure of the need for air conditioning (cooling) based on temperature and humidity.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration.