

AMERICAN GAS ASSOCIATION**Interoffice Memorandum**

TO: Distribution

Date: October 2, 2023

FROM: Paul Pierson

SUBJECT: Weekly Cooling Degree Day Data

COOLING DEGREE DAY SUMMARY

For the week ending September 30, the weather in the United States was 20.0 percent warmer than last year and 25.0 percent warmer than normal. All regions were warmer than last year except the New England, Middle Atlantic, Mountain, and Pacific regions. All regions were warmer than normal except the New England, Middle Atlantic, and Pacific regions. For the month of August, the weather in the United States was 6.2 percent cooler than last year and 10.0 percent warmer than normal.

WEEKLY COMPARISON

Week Ending				% Change: 2023 From 2022		% Change: 2023 From Normal	
	2023	2022	Normal				
05/06/23	10	20	13	50.0	Cooler	23.1	Cooler
05/13/23	24	29	16	17.2	Cooler	50.0	Warmer
05/20/23	24	37	22	35.1	Cooler	9.1	Warmer
05/27/23	19	30	28	36.7	Cooler	32.1	Cooler
06/03/23	35	44	35	20.5	Cooler	-	nc
06/10/23	30	42	41	28.6	Cooler	26.8	Cooler
06/17/23	36	72	48	50.0	Cooler	25.0	Cooler
06/24/23	48	60	56	20.0	Cooler	14.3	Cooler
07/01/23	67	69	63	2.9	Cooler	6.3	Warmer
07/08/23	81	79	69	2.5	Warmer	17.4	Warmer
07/15/23	80	76	73	5.3	Warmer	9.6	Warmer
07/22/23	84	96	75	12.5	Cooler	12.0	Warmer
07/29/23	93	88	75	5.7	Warmer	24.0	Warmer
08/05/23	73	88	74	17.0	Cooler	1.4	Cooler
08/12/23	74	86	71	14.0	Cooler	4.2	Warmer
08/19/23	71	63	67	12.7	Warmer	6.0	Warmer
08/26/23	78	70	61	11.4	Warmer	27.9	Warmer
09/02/23	56	74	53	24.3	Cooler	5.7	Warmer
09/09/23	69	64	46	7.8	Warmer	50.0	Warmer
09/16/23	40	38	39	5.3	Warmer	2.6	Warmer
09/23/23	28	43	31	34.9	Cooler	9.7	Cooler
09/30/23	30	25	24	20.0	Warmer	25.0	Warmer
Cumulative	1150	1293	1080	11.1	Cooler	6.5	Warmer

MONTHLY COMPARISON COOLING DEGREE DATA

Month Ending				% Change: 2023 From 2022		% Change: 2023 From Normal	
	2023	2022	Normal				
April	44	34	30	29.4	Warmer	46.7	Warmer
May	90	140	97	35.7	Cooler	7.2	Cooler
June	189	249	213	24.1	Cooler	11.3	Cooler
July	371	373	321	0.5	Cooler	15.6	Warmer
August	319	340	290	6.2	Cooler	10.0	Warmer

COOLING DEGREE DAYS BY CENSUS REGION FOR THE WEEK ENDING: September 30, 2023

Region	2023	2022	Normal	% Change: 2023		% Change: 2023	
				From 2022		From Normal	
New England	0	0	1	0.0	nc	100.0	Cooler
Middle Atlantic	0	0	5	0.0	nc	100.0	Cooler
E N Central	8	0	6	100.0	Warmer	33.3	Warmer
W N Central	38	5	9	660.0	Warmer	322.2	Warmer
South Atlantic	47	34	46	38.2	Warmer	2.2	Warmer
E S Central	51	20	31	155.0	Warmer	64.5	Warmer
W S Central	106	65	59	63.1	Warmer	79.7	Warmer
Mountain	30	38	27	21.1	Cooler	11.1	Warmer
Pacific	5	47	20	89.4	Cooler	75.0	Cooler
United States	30	25	24	20.0	Warmer	25.0	Warmer

CUMULATIVE COOLING DEGREE DAYS BY CENSUS REGION

Region	2023	2022	Normal	% Change: 2023		% Change: 2023	
				From 2022		From Normal	
New England	546	654	415	16.5	Cooler	31.6	Warmer
Middle Atlantic	682	853	652	20.0	Cooler	4.6	Warmer
E N Central	641	818	700	21.6	Cooler	8.4	Cooler
W N Central	1022	1080	908	5.4	Cooler	12.6	Warmer
South Atlantic	1630	1768	1578	7.8	Cooler	3.3	Warmer
E S Central	1528	1665	1431	8.2	Cooler	6.8	Warmer
W S Central	2513	2494	2106	0.8	Warmer	19.3	Warmer
Mountain	1154	1287	1137	10.3	Cooler	1.5	Warmer
Pacific	645	915	643	29.5	Cooler	0.3	Warmer
United States	1150	1293	1080	11.1	Cooler	6.5	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.