

U.S. Gas Weighted HDD Summary

U.S. Population Weighted CDD Summary

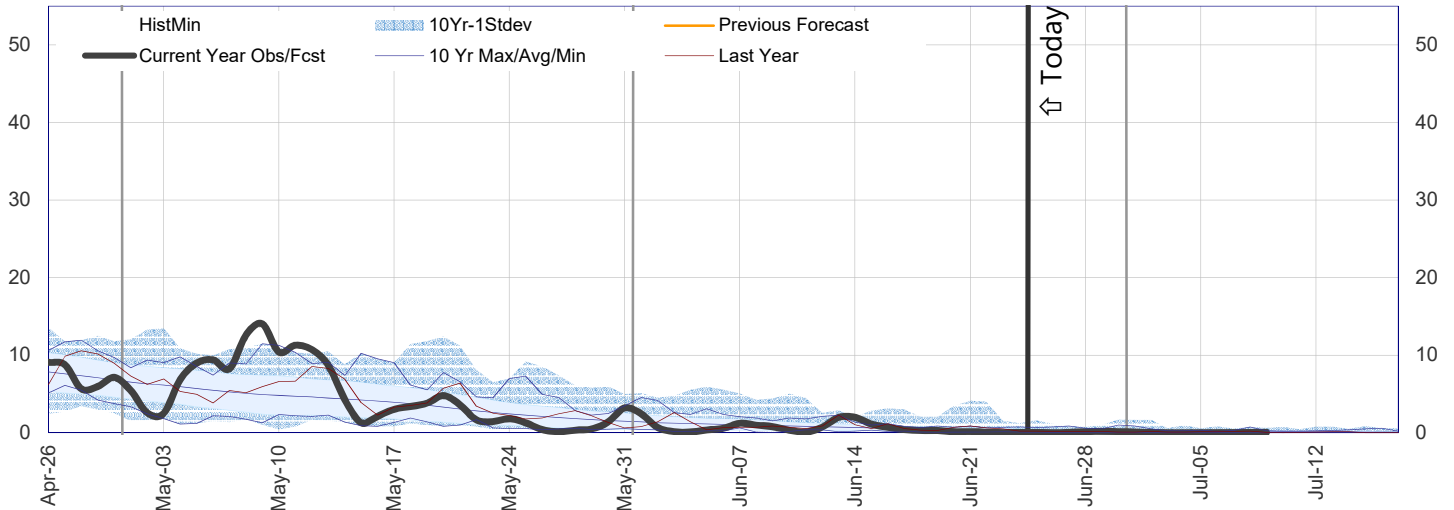
Period	Obs/ Fcst Total	Difference in Total/Forecast from				
		Last Fcst	Prev Week	Last Year	5Yr Avg	10Yr Avg
July 1-to-Date	3,975		▲ 1	▼ -360	▼ -43	▼ -166
Last Week	8	- 0	▲ 6	▼ -1	▲ 5	▲ 5
This Week	0	▲ 0	▼ -7	▼ -1	▼ -1	▼ -1
Next Week	0	- 0	▼ 0	▼ 0	▼ -1	▼ -1

Period	Obs/ Fcst Total	Difference in Total/Forecast from				
		Last Fcst	Prev Week	Last Year	5Yr Avg	10Yr Avg
Jan 1-to-Date	505		▲ 77	▲ 57	▲ 3	▲ 12
Last Week	53	- 0	▼ -19	▼ 0	▼ -22	▼ -18
This Week	80	▲ 0	▲ 27	▲ 11	▼ 0	▼ 0
Next Week	88	▲ 0	▲ 8	▼ -6	▲ 4	▲ 2

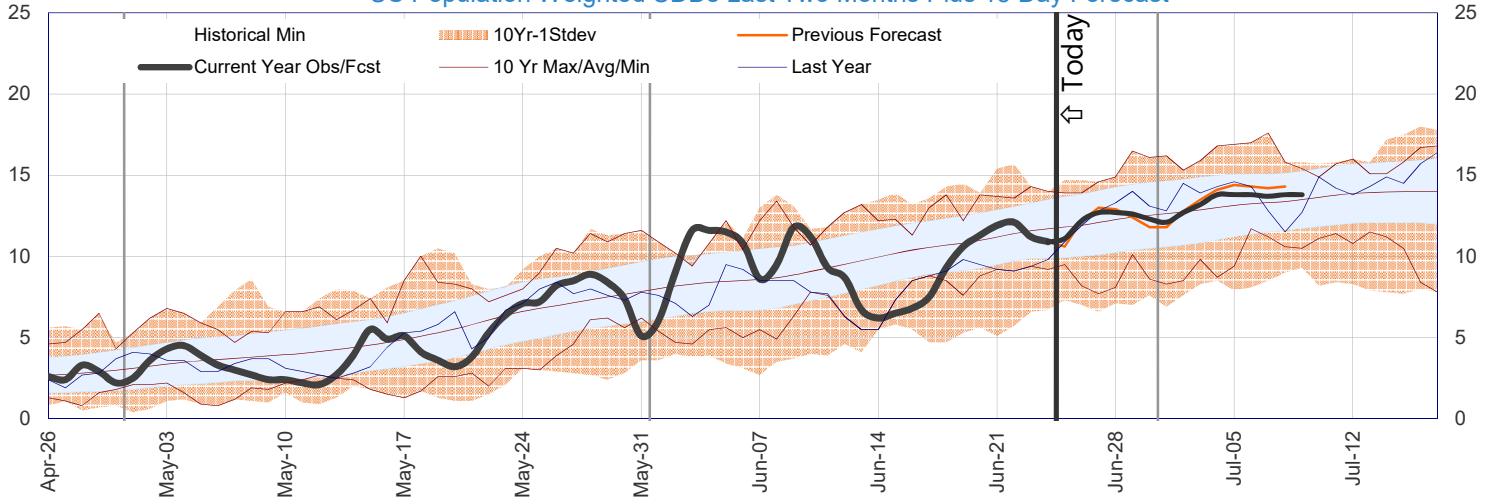
US Gas Weighted HDD and US Population Weighted CDD Text Summary

- Season to Date HDDs are 360 DDs (8%) below last year and 43 DDs (1%) below the 5 year average.
- This week will see 7 fewer HDDs than last week, 1 fewer HDDs than last year, 1 fewer HDDs than the 5yr Avg.
- Next week will see 0 fewer HDDs than this week, 0 fewer HDDs than last year, 1 fewer HDDs than the 5yr Avg.
- Season to Date CDDs are 57 DDs (13%) above last year and 3 DDs (1%) above the 5 year average.
- This week will see 27 more CDDs than last week, 11 more CDDs than last year, 0 fewer CDDs than the 5yr Avg.
- Next week will see 8 more CDDs than last week, 6 fewer CDDs than last year, 4 more CDDs than the 5yr Avg.

US Gas Weighted HDDs Last Two Months Plus 15 Day Forecast



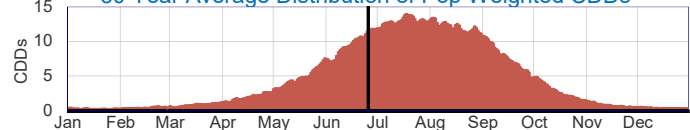
US Population Weighted CDDs Last Two Months Plus 15 Day Forecast

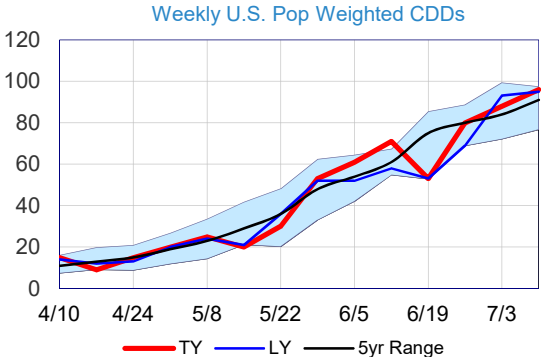
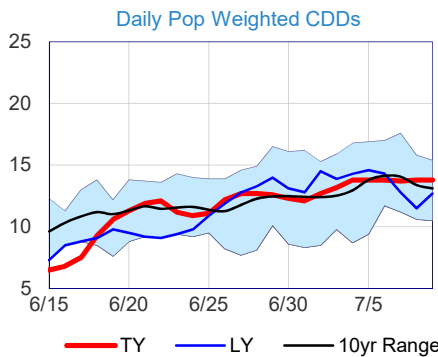
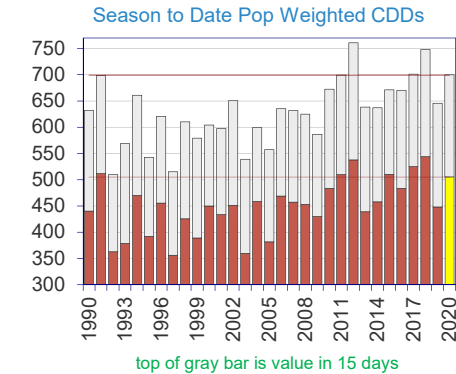
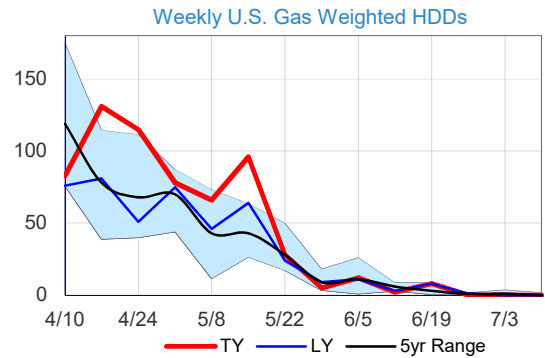
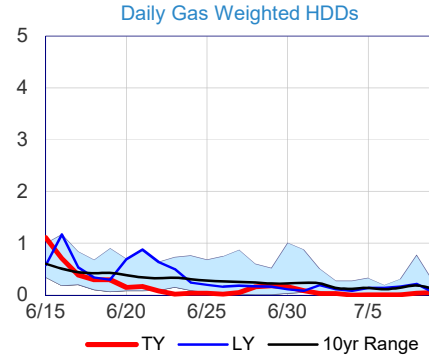
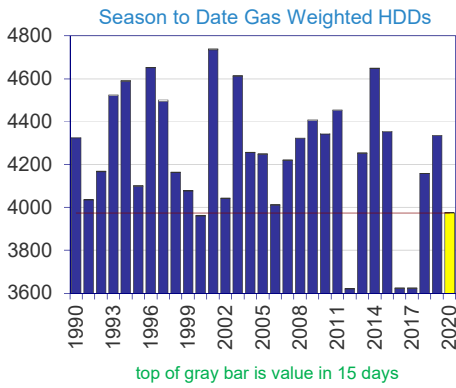


30 Year Average Distribution of Gas Weighted HDDs



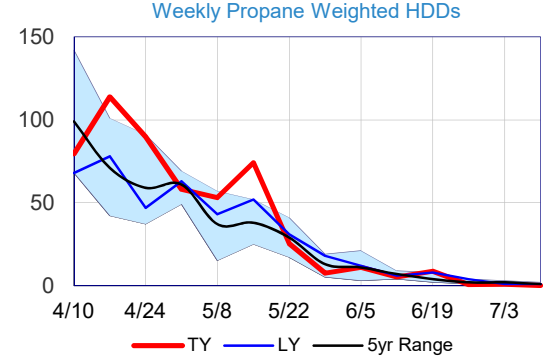
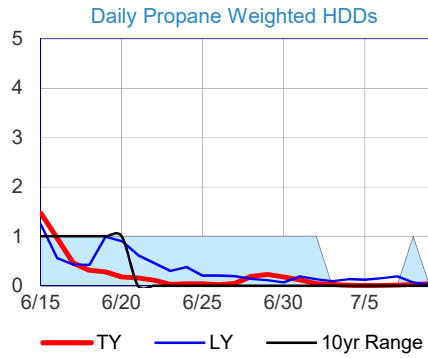
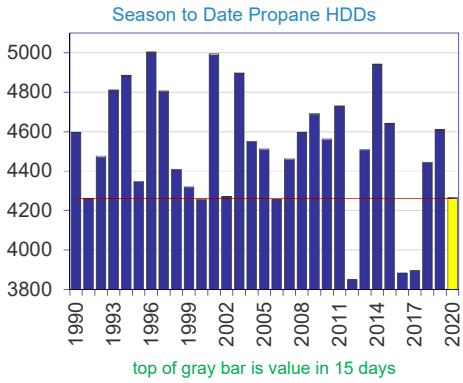
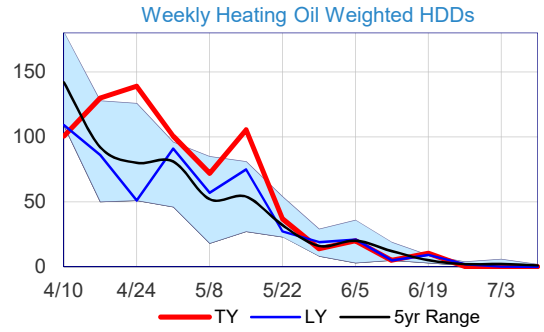
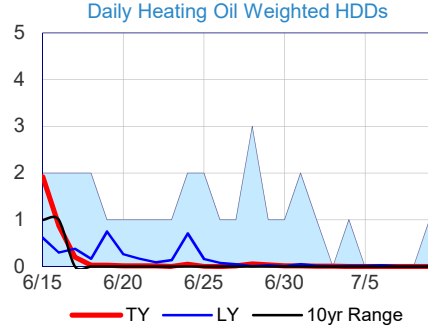
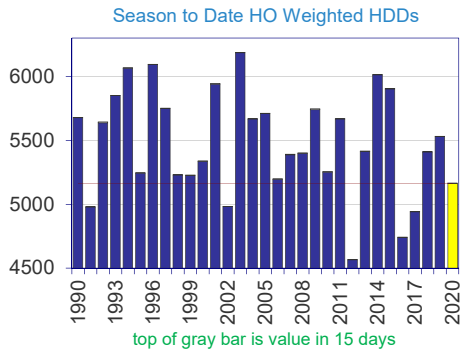
30 Year Average Distribution of Pop Weighted CDDs





Heating/Cooling Year Degree Day Rankings (July-June for HDDs and January-December for CDDs)

Gas Weighted HDDs			Expected HDDs in 15 Days			Pop Weighted CDDs			Expected CDDs in 15 Days		
Rank	Year	HDDs	Rank	Year	HDDs	Rank	Year	CDDs	Rank	Year	CDDs
1	2001	4736	1	1997	5	1	2018	543	1	2012	761
2	1996	4651	2	2001	5	2	2012	538	2	2018	748
3	2014	4649	3	2009	4	3	2017	525	3	2017	701
4	2003	4613	4	2000	4	4	1991	511	4	2020	700
5	1994	4590	5	1995	3	5	2015	510	5	2011	699
6	1993	4523	6	2010	3	6	2011	509	6	1991	698
7	1997	4496	7	1999	3	7	2020	505	7	2010	672
8	2011	4453	8	1992	3	8	2010	483	8	2015	671
9	2009	4404	9	1994	3	9	2016	483	9	2016	670
10	2015	4353	10	1996	3	10	1994	470	10	1994	661
11	2010	4342	11	2015	2	11	2006	469	11	2002	650
12	2019	4334	12	1993	2	12	2004	458	12	2019	645
13	1990	4324	13	2004	2	13	2014	458	13	2013	638
14	2008	4323	14	2005	2	14	2007	457	14	2014	637
15	2004	4255	15	2007	2	15	1996	455	15	2006	635
Median	2013	4253	Median	2003	2	Median	2008	453	Median	1990	632
17	2005	4248	17	1998	2	17	2002	451	17	2007	631
18	2007	4219	18	2006	2	18	2000	450	18	2008	625
19	1992	4166	19	1990	2	19	2019	448	19	1996	620
20	1998	4163	20	2016	2	20	1990	440	20	1998	610
21	2018	4156	21	2012	2	21	2013	439	21	2000	604
22	1995	4098	22	2008	1	22	2001	433	22	2004	599
23	1999	4076	23	2002	1	23	2009	430	23	2001	598
24	2002	4042	24	1991	1	24	1998	425	24	2009	586
25	1991	4035	25	2014	1	25	1995	392	25	1999	579
26	2006	4011	26	2011	1	26	1999	389	26	1993	568
27	2020	3975	27	2019	1	27	2005	382	27	2005	557
28	2000	3959	28	2017	1	28	1993	379	28	1995	543
29	2017	3623	29	2013	1	29	1992	363	29	2003	539
30	2016	3622	30	2018	0	30	2003	360	30	1997	515
31	2012	3619	31	2020	0	31	1997	356	31	1992	510



July-June Heating Season-to-Date Heating Oil and Propane Weighted HDD Rankings

H.O. Weighted HDDs			Expected HDDs in 15 Days			Propane Wgtd HDDs			Expected HDDs in 15 Days		
Rank	Year	HDDs	Rank	Year	HDDs	Rank	Year	HDDs	Rank	Year	HDDs
1	2003	6185	1	1992	7	1	1996	5002	1	1997	6
2	1996	6094	2	2009	7	2	2001	4989	2	2001	6
3	1994	6067	3	2001	7	3	2014	4942	3	2009	5
4	2014	6013	4	2007	5	4	2003	4896	4	1992	5
5	2001	5940	5	2000	3	5	1994	4884	5	2000	4
6	2015	5905	6	2005	3	6	1993	4809	6	2010	4
7	1993	5851	7	1990	3	7	1997	4802	7	1995	3
8	1997	5750	8	2010	3	8	2011	4729	8	1999	3
9	2009	5741	9	1991	3	9	2009	4688	9	2004	3
10	2005	5711	10	1997	3	10	2015	4640	10	1996	3
11	1990	5678	11	2016	2	11	2019	4610	11	1993	3
12	2004	5668	12	1993	2	12	1990	4596	12	1994	3
13	2011	5668	13	1996	2	13	2008	4596	13	2015	3
14	1992	5638	14	1995	2	14	2010	4561	14	2007	3
15	2019	5530	15	2015	2	15	2004	4549	15	2005	3
Median	2013	5414	Median	1999	1	Median	2005	4510	Median	1990	3
17	2018	5411	17	2004	1	17	2013	4507	17	2016	2
18	2008	5400	18	1998	1	18	1992	4472	18	1991	2
19	2007	5388	19	1994	1	19	2007	4460	19	1998	2
20	2000	5337	20	2014	1	20	2018	4444	20	2003	2
21	2010	5254	21	2006	1	21	1998	4406	21	2006	2
22	1995	5244	22	2008	0	22	1995	4345	22	2012	2
23	1998	5230	23	2002	0	23	1999	4317	23	2008	2
24	1999	5229	24	2018	0	24	2002	4268	24	2002	2
25	2006	5197	25	2003	0	25	2020	4262	25	2014	1
26	2020	5165	26	2011	0	26	1991	4259	26	2011	1
27	2002	4981	27	2012	0	27	2006	4253	27	2019	1
28	1991	4980	28	2013	0	28	2000	4253	28	2017	1
29	2017	4943	29	2019	0	29	2017	3893	29	2018	1
30	2016	4742	30	2017	0	30	2016	3881	30	2013	1
31	2012	4567	31	2020	0	31	2012	3847	31	2020	0

Weekly U.S. Population Weighted Degree Day Totals

Week Ending	Pop Weighted HDDs (New) 1			Pop Weighted CDDs (New) 1			Combo DDs (HDDs+0.75*CDDs)			Old Combo Pop Weighted DDs 2		
	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg
4/10/2020	65 (0)	54	81	15 (0)	14	11	76 (0)	64	89	73	62	87
4/17/2020	95 (0)	62	57	9 (0)	12	13	101 (0)	71	66	98	69	65
4/24/2020	74 (0)	38	48	15 (0)	13	15	84 (0)	47	59	82	45	57
5/1/2020	48 (0)	50	49	20 (0)	20	19	62 (0)	64	63	61	62	61
5/8/2020	43 (0)	33	30	25 (0)	24	23	61 (0)	50	47	60	50	46
5/15/2020	60 (0)	41	30	20 (0)	21	29	74 (0)	56	51	72	55	50
5/22/2020	20 (0)	24	23	30 (0)	36	36	42 (0)	50	49	42	50	48
5/29/2020	6 (0)	14	10	53 (0)	52	48	44 (0)	51	45	45	52	45
6/5/2020	8 (0)	9	8	61 (0)	52	54	52 (0)	46	47	53	46	47
6/12/2020	4 (0)	4	5	71 (0)	58	61	56 (0)	46	49	59	47	49
6/19/2020	7 (0)	6	3	53 (0)	53	75	44 (0)	44	57	46	44	58
6/26/2020	0 (0)	3	2	80 (0)	69	80	58 (0)	53	60	61	54	60
7/3/2020	1 (0)	1	2	88 (0)	93	84	64 (0)	68	62	67	71	63
7/10/2020	0 (0)	1	1	96 (-3)	95	91	69 (-2)	69	67	69	71	68
R squared to EIA Number*	0.5171			0.1530			0.7978			0.8246		

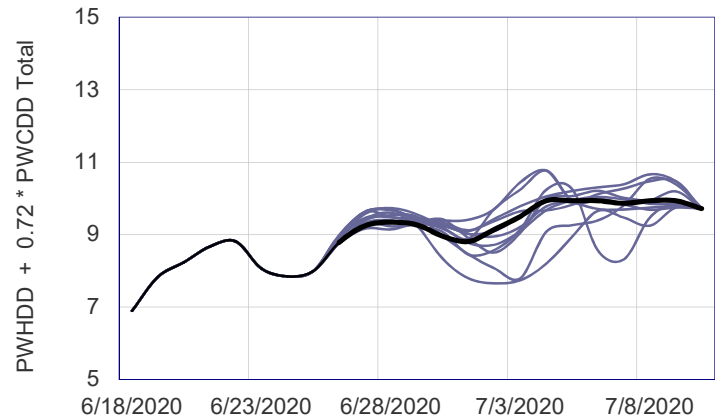
*over last 10 weeks

Values in parenthesis are the change from the previous report.

Red numbers correspond to file locations on last page.

Weekly U.S. Population Weighted Degree Day Total Estimates from Model Projections

Forecast Source	6/26/2020	7/3/2020	7/10/2020
0Z GFS (6/25/20)	58	63	70
6Z GFS (6/24/20)	58	60	64
12Z GFS (6/24/20)	58	62	67
18Z GFS (6/24/20)	58	63	66
0Z GFS ENS (6/25/20)	58	64	68
18Z GFS ENS (6/24/20)	58	65	69
0Z Euro (6/25/20)	58	67	70
12Z Euro (6/24/20)	58	66	70
0Z Euro ENS (6/25/20)	58	66	71
12Z Euro ENS (6/24/20)	58	66	72
Max Total	58	67	72
FW Forecast	58	64	69
Model Average	58	64	69
Min Total	58	60	64



If 7/10/2020 is beyond end of model run, missing days are filled in with FW forecast values.

Gas Weighted HDDs, Gas & Electric Heating Weighted HDDs, and Gas & Electric HDDs + PW CDDs

Week Ending	Gas R&C Weighted HDDs 3			Gas + Electric Heating HDD Blend 3			Gas + Elec HDDs + PW CDDs 4			Old Gas Weighted DDs* 5		
	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg
4/10/2020	83 (0)	76	119	68 (0)	55	83	79 (0)	65	91	78	64	88
4/17/2020	131 (0)	81	78	99 (0)	66	60	105 (0)	75	69	100	71	66
4/24/2020	115 (0)	51	68	76 (0)	39	50	87 (0)	48	61	85	46	58
5/1/2020	78 (0)	75	70	48 (0)	53	52	62 (0)	67	66	63	66	64
5/8/2020	66 (0)	46	43	44 (0)	36	32	62 (0)	53	49	67	54	49
5/15/2020	96 (0)	64	43	62 (0)	44	32	76 (0)	59	53	76	58	55
5/22/2020	28 (0)	24	28	20 (0)	26	25	42 (0)	52	51	49	57	54
5/29/2020	5 (0)	9	9	6 (0)	15	10	44 (0)	52	45	48	60	50
6/5/2020	12 (0)	11	11	8 (0)	9	8	52 (0)	46	47	59	53	53
6/12/2020	2 (0)	3	6	4 (0)	4	5	55 (0)	46	49	65	53	57
6/19/2020	8 (0)	8	3	6 (0)	6	3	44 (0)	44	57	55	51	64
6/26/2020	0 (0)	1	1	1 (0)	3	2	59 (0)	53	60	64	62	67
7/3/2020	0 (0)	0	1	1 (0)	1	2	64 (1)	68	62	72	74	70
7/10/2020	0 (0)	0	0	0 (0)	1	1	69 (-2)	69	67	77	76	74
R squared to EIA Number*	0.4280			0.5323			0.7987			0.8327		

*over last 10 weeks

Values in parenthesis are the change from the previous report.

*Old DDs also tried to account for electric heat impacting gas power generation.

Heating Oil and Propane Weighted Data

Week Ending	NEW US H. Oil Weighted HDDs 6			US Propane Weighted HDDs 6			Old Oil Weighted HDDs 12		
	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg
4/10/2020	101 (0)	109	142	80 (0)	68	99	91	97	131
4/17/2020	130 (0)	86	92	114 (0)	78	71	120	75	82
4/24/2020	139 (0)	51	80	90 (0)	47	59	128	46	72
5/1/2020	101 (0)	91	81	58 (0)	63	61	94	80	74
5/8/2020	72 (0)	57	52	53 (0)	43	37	65	52	47
5/15/2020	105 (0)	75	54	74 (0)	52	38	97	66	47
5/22/2020	37 (0)	27	32	25 (0)	31	29	34	22	28
5/29/2020	14 (0)	19	16	8 (0)	18	13	13	14	14
6/5/2020	20 (0)	21	20	11 (0)	12	11	15	15	17
6/12/2020	5 (0)	5	12	5 (0)	6	7	4	4	9
6/19/2020	10 (0)	9	5	9 (0)	8	4	9	8	4
6/26/2020	0 (0)	2	2	1 (0)	4	2	0	2	1
7/3/2020	0 (0)	0	2	1 (0)	1	2	0	0	2
7/10/2020	0 (0)	0	1	0 (0)	1	1	0	0	0

Values in parenthesis are the change from the previous report.

Red numbers correspond to file locations on last page.

PADD 1 Region and Sub-Region Population Weighted HDDs 7

Week Ending	Total PADD1 (East Coast) HDDs			PADD 1A (New England) HDDs			PADD 1B (Central Atl.) HDDs			PADD 1C (Lower Atl.) HDDs		
	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg
4/10/2020	59 (0)	64	92	127 (0)	149	174	85 (0)	89	128	16 (0)	17	37
4/17/2020	88 (0)	48	56	141 (0)	105	113	122 (0)	69	79	42 (0)	13	21
4/24/2020	92 (0)	31	49	163 (0)	63	99	134 (0)	36	68	33 (0)	17	18
5/1/2020	64 (0)	50	49	130 (0)	116	99	93 (0)	76	70	21 (0)	7	15
5/8/2020	47 (0)	28	30	78 (0)	85	68	67 (0)	39	43	21 (0)	1	9
5/15/2020	73 (0)	44	31	115 (0)	95	68	104 (0)	67	46	34 (0)	8	6
5/22/2020	23 (0)	12	18	49 (0)	35	41	29 (0)	16	25	9 (0)	2	4
5/29/2020	6 (0)	8	8	26 (0)	33	25	7 (0)	8	9	0 (0)	0	1
6/5/2020	10 (0)	10	10	31 (0)	33	32	13 (0)	12	12	1 (0)	1	1
6/12/2020	2 (0)	2	6	8 (0)	6	17	1 (0)	3	8	0 (0)	0	1
6/19/2020	6 (0)	4	2	13 (0)	14	7	7 (0)	5	2	3 (0)	1	0
6/26/2020	0 (0)	0	1	0 (0)	3	3	0 (0)	0	0	0 (0)	0	0
7/3/2020	0 (0)	0	1	0 (0)	0	4	0 (0)	0	1	0 (0)	0	0
7/10/2020	0 (0)	0	0	0 (0)	0	1	0 (0)	0	0	0 (0)	0	0

Values in parenthesis are the change from the previous report.

-- See last page for a map of PADD regions. --

PADD Regions 2-5 Population Weighted HDDs 7

Week Ending	PADD 2 (Midwest) HDDs			PADD 3 (Gulf Coast) HDDs			PADD 4 (Rocky Mtns) HDDs			PADD 5* (West Coast) HDDs		
	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg
4/10/2020	94 (0)	71	123	17 (0)	8	20	112 (0)	91	112	63 (0)	35	37
4/17/2020	157 (0)	104	85	45 (0)	23	15	188 (0)	150	117	38 (0)	43	39
4/24/2020	109 (0)	64	74	13 (0)	12	11	102 (0)	77	97	27 (0)	23	25
5/1/2020	69 (0)	82	77	4 (0)	2	7	50 (0)	107	110	16 (0)	28	29
5/8/2020	71 (0)	56	45	4 (0)	1	4	69 (0)	84	63	18 (0)	23	22
5/15/2020	99 (0)	70	46	8 (0)	10	3	69 (0)	69	67	13 (0)	14	20
5/22/2020	27 (0)	35	34	0 (0)	2	3	38 (0)	98	77	17 (0)	34	21
5/29/2020	2 (0)	12	9	0 (0)	1	1	41 (0)	79	49	9 (0)	27	16
6/5/2020	10 (0)	9	9	0 (0)	0	0	3 (0)	23	17	8 (0)	8	9
6/12/2020	2 (0)	4	4	0 (0)	0	0	33 (0)	32	12	11 (0)	8	9
6/19/2020	7 (0)	10	3	0 (0)	0	0	21 (0)	10	10	9 (0)	4	7
6/26/2020	0 (0)	2	2	0 (0)	0	0	5 (0)	31	11	1 (0)	6	4
7/3/2020	0 (0)	0	2	0 (0)	0	0	7 (2)	2	3	2 (0)	5	3
7/10/2020	0 (0)	0	1	0 (0)	0	0	0 (0)	3	3	1 (0)	3	2

Values in parenthesis are the change from the previous report.

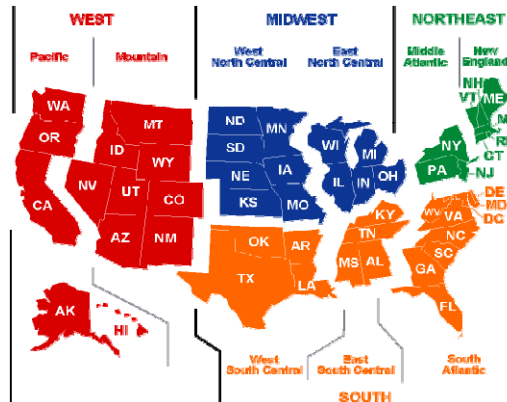
*Excludes AK and HI

Population Weighted Degree Day Totals by Census Region and Sub-Region

Degree Day Totals = HDDs + 0.72 * CDDs

Week Ending	Northeast Region Degree Days 8			Midwest Region Degree Days 8		
	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg
5/8/2020	73 (0)	56	57	81 (0)	69	58
5/15/2020	110 (0)	79	59	108 (0)	81	61
5/22/2020	38 (0)	33	42	35 (0)	52	51
5/29/2020	32 (0)	31	34	37 (0)	37	37
6/5/2020	40 (0)	32	36	44 (0)	29	35
6/12/2020	38 (0)	24	31	44 (0)	27	38
6/19/2020	26 (0)	25	35	40 (0)	28	48
6/26/2020	58 (0)	35	40	43 (0)	32	39
7/3/2020	57 (0)	58	47	61 (1)	69	47
7/10/2020	62 (-2)	62	52	64 (0)	62	51

Values in parenthesis are the change from the previous report.



Midwest and Northeast Sub-Regions

Week Ending	New England DD Totals 9			Middle Atlantic DD Totals 9			East North Central DD Totals 9			West North Central Totals 9		
	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg
5/8/2020	78 (0)	85	71	71 (0)	47	52	88 (0)	69	62	66 (0)	68	48
5/15/2020	115 (0)	95	71	108 (0)	73	54	113 (0)	82	63	98 (0)	77	56
5/22/2020	50 (0)	41	48	35 (0)	31	40	36 (0)	47	50	31 (0)	63	54
5/29/2020	42 (0)	40	39	28 (0)	28	33	41 (0)	34	36	28 (0)	45	41
6/5/2020	48 (0)	37	41	38 (0)	30	34	43 (0)	28	35	47 (0)	32	36
6/12/2020	27 (0)	17	30	42 (0)	26	31	40 (0)	23	33	52 (0)	36	49
6/19/2020	27 (0)	24	26	25 (0)	26	39	33 (0)	27	46	55 (0)	30	53
6/26/2020	56 (0)	24	29	59 (0)	39	44	43 (0)	30	35	41 (0)	36	47
7/3/2020	44 (0)	45	40	62 (0)	63	50	58 (1)	68	44	68 (2)	72	53
7/10/2020	52 (-2)	53	42	65 (-3)	65	56	63 (0)	61	48	67 (0)	63	57

Values in parenthesis are the change from the previous report.

Red numbers correspond to file locations on last page.

South Region and Sub-Regions

Week Ending	South Region DD Totals 8			South Atlantic DD Totals 9			East South Central Totals 9			West South Central Totals 9		
	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg
5/8/2020	48 (0)	42	38	48 (0)	46	41	42 (0)	30	32	54 (0)	42	37
5/15/2020	56 (0)	44	49	61 (0)	50	50	59 (0)	34	41	45 (0)	40	51
5/22/2020	50 (0)	56	55	48 (0)	54	55	33 (0)	51	50	60 (0)	63	59
5/29/2020	54 (0)	77	59	52 (0)	76	56	52 (0)	77	52	58 (0)	79	66
6/5/2020	62 (0)	70	64	59 (0)	70	63	52 (0)	61	56	73 (0)	75	69
6/12/2020	76 (0)	63	66	73 (0)	62	60	68 (0)	52	57	86 (0)	72	81
6/19/2020	57 (0)	62	79	46 (0)	58	73	45 (0)	53	74	82 (0)	74	89
6/26/2020	72 (1)	80	83	72 (1)	78	79	64 (1)	70	76	78 (1)	90	93
7/3/2020	82 (0)	85	81	80 (1)	85	76	71 (1)	80	73	92 (-1)	87	95
7/10/2020	84 (-3)	91	87	80 (-3)	86	82	75 (-4)	92	82	96 (-3)	100	98

Values in parenthesis are the change from the previous report.

Red numbers correspond to file locations on last page.

West Region and Sub-Regions

Week Ending	West Region DD Totals 8			Mountain DD Totals 9			Pacific DD Totals 9		
	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg	This Yr	Last Yr	5Yr Avg
5/8/2020	52 (0)	40	42	77 (0)	67	62	41 (0)	28	33
5/15/2020	43 (0)	36	40	74 (0)	64	66	29 (0)	23	29
5/22/2020	38 (0)	49	42	58 (0)	72	68	29 (0)	38	30
5/29/2020	46 (0)	40	36	68 (0)	59	59	36 (0)	31	26
6/5/2020	51 (0)	33	39	83 (0)	53	63	36 (0)	23	28
6/12/2020	47 (0)	54	46	68 (0)	71	73	38 (0)	46	34
6/19/2020	43 (0)	43	47	73 (0)	70	73	29 (0)	30	34
6/26/2020	49 (0)	40	55	80 (0)	70	89	35 (0)	27	40
7/3/2020	42 (0)	49	57	73 (0)	85	90	28 (0)	31	41
7/10/2020	56 (0)	44	59	94 (1)	75	92	39 (-1)	29	43

Values in parenthesis are the change from the previous report.

Weekly U.S. Population Weighted Degree Days and Gas Storage Summary

Week Ending	Weekly Degree Day Totals ¹			Gas Storage Levels (BCF)				Gas Storage Build/Draw		
	This Year	Last Year	5yr Avg	This Year	Last Year	5yr Avg	TY-5YR	This Year	Last Year	5yr Avg
3/13/2020	93 (0)	148	122	2033	1156	1753	280	-10	-91	-63
3/20/2020	107 (0)	116	114	2005	1117	1713	292	-28	-39	-40
3/27/2020	107 (0)	107	107	1986	1123	1694	292	-19	6	-19
4/3/2020	86 (0)	100	91	2024	1148	1700	324	38	25	6
4/10/2020	76 (0)	64	89	2097	1221	1727	370	73	73	27
4/17/2020	101 (0)	71	67	2140	1313	1776	364	43	92	49
4/24/2020	84 (0)	47	58	2210	1427	1850	360	70	114	74
5/1/2020	62 (0)	64	63	2319	1523	1924	395	109	96	74
5/8/2020	61 (0)	50	47	2422	1623	2009	413	103	100	85
5/15/2020	74 (0)	57	51	2503	1724	2096	407	81	101	87
5/22/2020	42 (0)	50	49	2612	1834	2189	423	109	110	93
5/29/2020	44 (0)	52	44	2714	1952	2292	422	102	118	103
6/5/2020	52 (0)	46	47	2807	2059	2386	421	93	107	94
6/12/2020	56 (0)	46	49	2892	2170	2473	419	85	111	87
6/19/2020	44 (0)	44	57	2991	2273	2546	445	99	103	73
6/26/2020	58 (0)	52	59	3073	2365	2611	462	82	92	65
7/3/2020	64 (0)	68	62	3139	2448	2679	460	66	83	68
7/10/2020	69 (-2)	69	66	3189	2515	2742	447	50	67	63

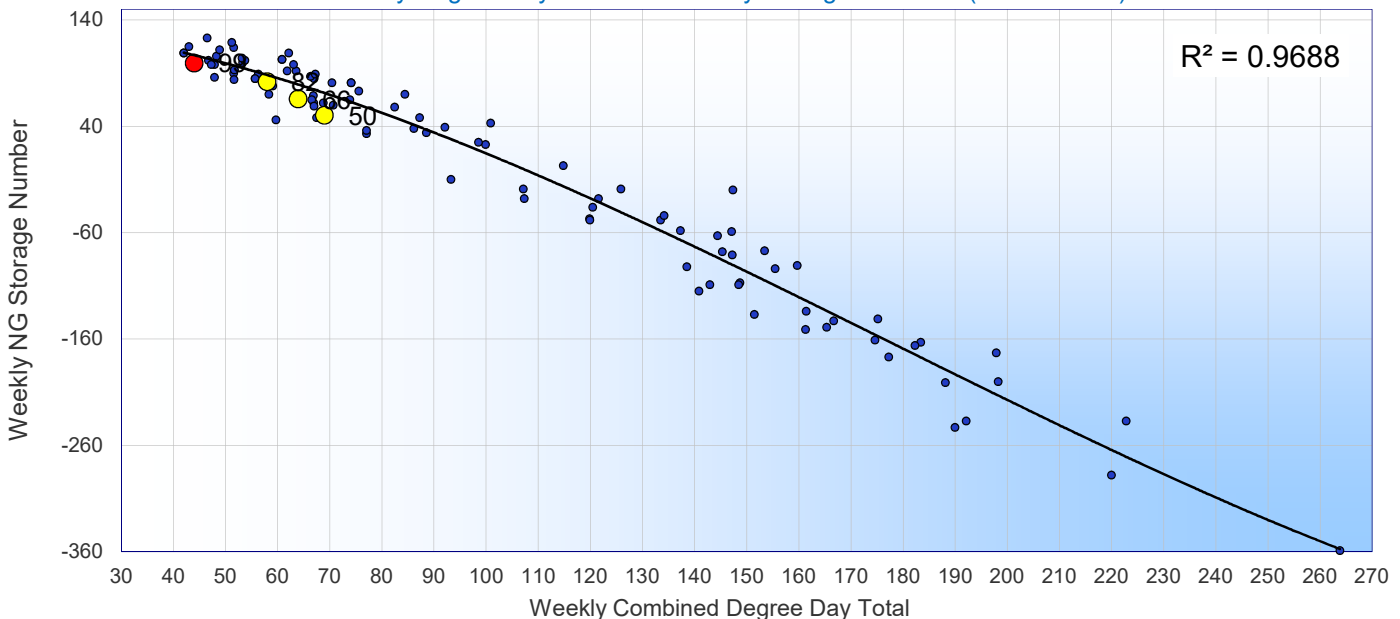
Values in parenthesis are the change from the previous report.

Week Ending	Weekly Degree Day Totals				Storage Number Forecast Based On:			
	Model Min	ModelAvg	Forecast	Model Max	Model Min	ModelAvg	Forecast	Model Max
6/26/2020	58	58	58	58	82	82	82	82
7/3/2020	60	64	64	67	71	65	66	61
7/10/2020	64	69	69	72	58	51	50	46

Model Min, Avg, Max refer to forecast weekly degree day totals from weather forecast models

Storage model average absolute error over the previous two years of data is: **10.45 BCF**

Weekly Degree Day Totals vs. Weekly Storage Numbers (Last 2 Years)



Red dots indicate values for last week, yellow dots are this week, and next two weeks.

Old EIA Region Weekly Degree Day Totals

Week Ending	East Consuming Region 10			West Consuming Region			Producing Region 10		
	This Year	Last Year	5yr Avg	This Year	Last Year	5yr Avg	This Year	Last Year	5yr Avg
4/17/2020	120	76	65	80	75	65	62	44	38
4/24/2020	107	51	55	57	47	54	42	29	33
5/1/2020	74	72	62	52	60	60	32	37	38
5/8/2020	66	54	45	56	47	44	49	40	36
5/15/2020	92	67	49	51	41	44	45	40	49
5/22/2020	40	45	42	39	53	44	54	61	56
5/29/2020	42	49	38	44	41	37	55	74	62
6/5/2020	48	44	41	49	33	38	70	71	66
6/12/2020	53	38	42	46	52	45	81	67	77
6/19/2020	36	37	44	42	41	45	77	69	85
6/26/2020	58	49	54	46	38	52	75	85	89
7/3/2020	66	72	59	42	48	54	88	86	90
7/10/2020	69	72	63	55	43	57	92	97	94

Values highlighted in yellow are projected NG storage values based on forecast degree day totals

EIA East Region Population Weighted Degree Days and Gas Storage Summary

Week Ending	Weekly Degree Day Totals 13			Gas Storage Levels (BCF)				Gas Storage Build/Draw		
	This Year	Last Year	5yr Avg	This Year	Last Year	5yr Avg	TY-5YR	This Year	Last Year	5yr Avg
4/17/2020	105	62	69	400	244	285	115	0	21	11
4/24/2020	106	43	62	405	271	306	99	5	27	21
5/1/2020	74	66	66	424	293	326	98	19	22	20
5/8/2020	62	50	49	452	321	351	101	28	28	25
5/15/2020	87	65	54	469	346	376	93	17	25	25
5/22/2020	42	44	48	504	374	403	101	35	28	27
5/29/2020	42	53	45	536	405	433	103	32	31	30
6/5/2020	49	49	48	563	433	461	102	27	28	28
6/12/2020	55	42	44	586	463	490	96	23	30	29
6/19/2020	35	41	54	623	491	515	108	37	28	25
6/26/2020	63	55	58	646	518	541	105	23	27	26
7/3/2020	68	72	60	667	539	566	101	21	21	25
7/10/2020	70	74	66	686	556	588	98	19	17	22

Values highlighted in yellow are projected NG storage values based on forecast degree day totals

EIA Midwest Region Population Weighted Degree Days and Gas Storage Summary

Week Ending	Weekly Degree Day Totals 13			Gas Storage Levels (BCF)				Gas Storage Build/Draw		
	This Year	Last Year	5yr Avg	This Year	Last Year	5yr Avg	TY-5YR	This Year	Last Year	5yr Avg
4/17/2020	159	114	93	493	261	360	133	6	11	7
4/24/2020	113	70	79	506	283	373	133	13	22	13
5/1/2020	74	89	83	530	304	388	142	24	21	15
5/8/2020	76	66	55	554	328	408	146	24	24	20
5/15/2020	102	75	59	576	356	432	144	22	28	24
5/22/2020	36	52	51	606	389	459	147	30	33	27
5/29/2020	40	43	39	634	425	489	145	28	36	30
6/5/2020	44	33	38	662	460	518	144	28	35	29
6/12/2020	47	30	40	688	493	545	143	26	33	27
6/19/2020	39	30	51	719	528	571	148	31	35	26
6/26/2020	46	35	43	749	559	596	153	30	31	25
7/3/2020	63	70	50	774	589	623	151	25	30	27
7/10/2020	66	65	55	798	618	647	151	24	29	24

Values highlighted in yellow are projected NG storage values based on forecast degree day totals

EIA Mountain Region Population Weighted Degree Days and Gas Storage Summary

Week Ending	Weekly Degree Day Totals 13			Gas Storage Levels (BCF)				Gas Storage Build/Draw		
	This Year	Last Year	5yr Avg	This Year	Last Year	5yr Avg	TY-5YR	This Year	Last Year	5yr Avg
4/17/2020	127	104	86	96	69	114	-18	1	4	2
4/24/2020	76	66	78	103	74	117	-14	7	5	3
5/1/2020	66	88	86	111	77	120	-9	8	3	3
5/8/2020	78	71	61	117	81	124	-7	6	4	4
5/15/2020	79	66	65	124	87	129	-5	7	6	5
5/22/2020	55	74	68	132	92	134	-2	8	5	5
5/29/2020	62	58	57	140	99	140	0	8	7	6
6/5/2020	78	50	59	148	108	146	2	8	9	6
6/12/2020	65	67	69	156	116	152	4	8	8	6
6/19/2020	71	65	69	162	124	157	5	6	8	5
6/26/2020	74	65	82	169	132	162	7	6	8	5
7/3/2020	71	84	84	176	138	166	10	7	6	4
7/10/2020	89	72	87	181	145	171	10	5	7	5

Values highlighted in yellow are projected NG storage values based on forecast degree day totals

EIA Pacific Region Population Weighted Degree Days and Gas Storage Summary

Week Ending	Weekly Degree Day Totals 13			Gas Storage Levels (BCF)				Gas Storage Build/Draw		
	This Year	Last Year	5yr Avg	This Year	Last Year	5yr Avg	TY-5YR	This Year	Last Year	5yr Avg
4/17/2020	42	49	47	210	135	217	-7	7	10	4
4/24/2020	38	33	36	218	148	224	-6	8	13	7
5/1/2020	41	39	40	228	159	232	-4	10	11	8
5/8/2020	41	28	33	240	171	239	1	12	12	7
5/15/2020	30	23	29	253	183	246	7	13	12	7
5/22/2020	29	38	29	264	195	254	10	11	12	8
5/29/2020	36	31	26	273	209	264	9	9	14	10
6/5/2020	36	23	28	281	223	272	9	8	14	8
6/12/2020	38	46	34	290	232	279	11	9	9	7
6/19/2020	29	30	34	301	242	284	17	11	10	5
6/26/2020	35	27	40	309	252	287	22	8	10	3
7/3/2020	28	31	41	321	261	290	31	11	9	3
7/10/2020	39	29	43	327	267	294	33	7	6	4

Values highlighted in yellow are projected NG storage values based on forecast degree day totals

EIA South Central Region Population Weighted Degree Days and Gas Storage Summary

Week Ending	Weekly Degree Day Totals 13			Gas Storage Levels (BCF)				Gas Storage Build/Draw		
	This Year	Last Year	5yr Avg	This Year	Last Year	5yr Avg	TY-5YR	This Year	Last Year	5yr Avg
4/17/2020	61	42	37	941	603	801	140	29	46	25
4/24/2020	42	29	33	979	652	830	149	38	49	29
5/1/2020	33	38	38	1027	690	859	168	48	38	29
5/8/2020	49	41	36	1059	722	887	172	32	32	28
5/15/2020	46	40	49	1081	753	913	168	22	31	26
5/22/2020	54	61	57	1105	784	939	166	24	31	26
5/29/2020	55	76	63	1131	813	966	165	26	29	27
6/5/2020	70	73	67	1153	836	988	165	22	23	22
6/12/2020	82	68	77	1173	866	1008	165	20	30	20
6/19/2020	77	70	86	1191	888	1019	172	18	22	11
6/26/2020	75	87	90	1211	903	1025	186	20	15	6
7/3/2020	88	86	91	1221	921	1033	188	10	18	8
7/10/2020	92	98	95	1229	928	1041	188	8	7	8

Values highlighted in yellow are projected NG storage values based on forecast degree day totals

Weekly Degree Day and DOE Storage Number Comparison Tables

Week Ending 6/19/2020 Comparisons

Week Ending	Pop Wtd Tot DDs	Storage Number	Holiday Week?
6/19/2020	44	99*	No
4/28/2017	44	67	No
5/12/2017	45	68	No
4/29/2016	45	68	No
10/27/2017	43	65	No
5/8/2020	43	103	No
5/5/2017	41	45	No
5/1/2020	48	109	No
5/20/2016	40	71	No
5/6/2016	49	56	No
11/4/2016	39	54	No
4/14/2017	49	54	No
Average	44	69	w/ Holiday
Average	44	69	wo/ Holiday
Avg Best	45	73	

Week Ending 6/26/2020 Comparisons

Week Ending	Pop Wtd Tot DDs	Storage Number	Holiday Week?
6/26/2020	58	82*	No
5/15/2020	60	81	No
10/28/2016	56	54	No
4/27/2018	56	62	No
10/18/2019	55	87	No
10/25/2019	55	89	No
11/11/2016	63	30	No
4/19/2019	53	92	No
4/12/2019	52	92	No
4/10/2020	65	73	No
5/3/2019	51	85	No
11/2/2018	67	65	No
Average	57	74	w/ Holiday
Average	57	74	wo/ Holiday
Avg Best	57	81	

Week Ending 7/3/2020 Comparisons

Week Ending	Pop Wtd Tot DDs	Storage Number	Holiday Week?
7/3/2020	64	66*	No
4/10/2020	65	73	No
11/11/2016	63	30	No
11/2/2018	67	65	No
5/15/2020	60	81	No
4/7/2017	69	10	No
3/31/2017	70	2	No
10/19/2018	71	58	No
10/28/2016	56	54	No
4/27/2018	56	62	No
10/18/2019	55	87	No
10/25/2019	55	89	No
Average	62	56	w/ Holiday
Average	62	56	wo/ Holiday
Avg Best	63	59	

Week Ending 7/10/2020 Comparisons

Week Ending	Pop Wtd Tot DDs	Storage Number	Holiday Week?
7/10/2020	69	50*	No
4/7/2017	69	10	No
3/31/2017	70	2	No
10/19/2018	71	58	No
11/2/2018	67	65	No
4/10/2020	65	73	No
4/24/2020	74	70	No
11/11/2016	63	30	No
4/3/2020	78	38	No
11/18/2016	78	-2	No
5/15/2020	60	81	No
2/24/2017	79	7	No
Average	70	39	w/ Holiday
Average	70	39	wo/ Holiday
Avg Best	70	45	

*Denotes projected values from page 3 table

The above charts compare the weekly total gas weighted degree days for last week, this week, and next week to the 11 weeks during the past 5 years that had the most similar gas weighted degree day totals. If a federal holiday occurred during a given week, it is marked as "Yes", otherwise as "No". Two averages of the gas weighted degree days and EIA storage numbers are presented. One that averages all 11 of the closest matches, and one that only averages weeks that did not have a holiday.

NOTE: these EIA average values should not be used as a direct forecast, but just as a weather-based estimate. The average EIA values are just averages of similar weeks, and no attempt is made to adjust for supply/demand differences, or other factors.

Historical and Forecast Daily US Degree Day Totals with Comparison to Previous Years

GW=Residential and Commercial Gas Weighted, PW=Population Weighted, CMB DD=a combined weighted GW HDD + 0.72*PW CDD total

	TY	LY	10	30	30	TY	LY	10	30	30	TY	LY	10	30	30	TY	LY	10	30	30
	2020	2019	Year	Year	Year	2020	2019	Year	Year	Year	2020	2019	Year	Year	Year	2020	2019	Year	Year	Year
	Fcst	Obs	Avg	Avg	Anom	Fcst	Obs	Avg	Avg	Anom	Fcst	Obs	Avg	Avg	Anom	Fcst	Obs	Avg	Avg	Anom
	GW	GW	GW	GW	GW	PW	PW	PW	PW	PW	PW	PW	PW	PW	PW	CMB	CMB	CMB	CMB	CMB
Date	HDD	HDD	HDD	HDD	HDD	HDD	HDD	HDD	HDD	HDD	CDD	CDD	CDD	CDD	CDD	DD	DD	DD	DD	DD
5/26/2020	0.4	1.9	1.8	2.9	-2.5	0.4	1.6	1.6	2.5	-2.1	8.2	8.4	7.7	6.1	2.1	6.3	8	7.4	7.2	-0.9
5/27/2020	0.1	2.4	1.7	2.7	-2.5	0.1	1.9	1.5	2.3	-2.2	8.5	7.7	7.83	6.2	2.3	6.3	8	7.4	7.1	-0.8
5/28/2020	0.4	2.9	1.5	2.4	-2.1	0.3	2.4	1.4	2.2	-1.9	8.9	8.0	8.06	6.4	2.5	6.8	8.6	7.3	7	-0.2
5/29/2020	0.5	2.2	1.4	2.2	-1.7	0.4	2.0	1.3	2.0	-1.6	8.4	7.6	8.37	6.6	1.8	6.5	7.7	7.4	7	-0.5
5/30/2020	1.4	1.4	1.3	1.9	-0.5	1.2	1.2	1.1	1.7	-0.5	7.4	7.3	8.54	7.1	0.3	6.7	6.6	7.4	7	-0.3
5/31/2020	3.2	0.7	1.3	1.7	1.5	2.9	0.5	1.1	1.5	1.4	5.1	7.8	8.64	7.4	-2.3	6.9	6.3	7.5	7.1	-0.2
6/1/2020	2.5	0.8	1.4	1.7	0.8	2.4	0.7	1.2	1.5	0.9	6.0	7.6	8.25	7.3	-1.3	6.8	6.3	7.3	7	-0.2
6/2/2020	0.7	1.4	1.5	1.7	-1.0	0.8	1.2	1.3	1.5	-0.7	9.0	7.1	7.6	7.2	1.8	7.2	6.5	6.9	6.9	0.3
6/3/2020	0.2	2.6	1.4	2.0	-1.8	0.2	2.3	1.3	1.7	-1.5	11.6	6.3	7.57	6.8	4.8	8.5	7.2	6.8	6.9	1.6
6/4/2020	0.1	1.4	1.2	2.0	-1.9	0.1	1.4	1.2	1.8	-1.7	11.6	7.0	7.89	6.8	4.8	8.5	6.5	6.9	7	1.5
6/5/2020	0.4	0.4	1.1	1.9	-1.5	0.4	0.4	1.1	1.6	-1.2	11.5	9.5	8.09	6.9	4.6	8.7	7.2	6.9	6.8	1.9
6/6/2020	0.6	0.7	1.2	1.6	-1.1	0.6	0.6	1.1	1.5	-0.9	10.8	9.2	7.89	7.0	3.8	8.4	7.3	6.9	6.7	1.7
6/7/2020	1.2	0.7	1.1	1.4	-0.2	1.2	0.7	1.0	1.3	-0.1	8.6	8.5	7.84	7.6	1.0	7.4	6.8	6.7	6.9	0.5
6/8/2020	1.0	0.7	0.9	1.3	-0.3	0.9	0.6	0.9	1.2	-0.3	9.5	8.5	8.31	8.1	1.4	7.8	6.8	6.9	7.1	0.7
6/9/2020	0.8	0.9	0.8	1.1	-0.3	0.7	0.7	0.8	1.0	-0.3	11.8	8.5	8.76	8.4	3.4	9.3	7	7.2	7.1	2.2
6/10/2020	0.3	0.7	0.8	1.0	-0.6	0.3	0.6	0.7	0.9	-0.6	11.2	7.8	9.23	8.6	2.6	8.4	6.3	7.4	7.2	1.2
6/11/2020	0.1	0.6	0.7	1.0	-0.9	0.1	0.5	0.7	0.9	-0.8	9.3	7.7	9.69	8.8	0.5	6.8	6.1	7.7	7.3	-0.5
6/12/2020	0.7	0.9	0.8	0.9	-0.2	0.6	0.8	0.7	0.8	-0.2	8.7	6.3	9.53	8.9	-0.2	7	5.4	7.7	7.2	-0.2
6/13/2020	2.0	2.3	1.0	0.9	1.1	1.8	2.0	0.9	0.8	1.0	6.7	5.5	9.27	8.9	-2.2	6.8	6.3	7.6	7.3	-0.5
6/14/2020	2.0	1.0	0.7	0.8	1.2	1.8	0.9	0.7	0.7	1.1	6.2	5.5	9.11	9.0	-2.8	6.5	5	7.3	7.3	-0.8
6/15/2020	1.1	0.6	0.6	0.8	0.3	1.1	0.5	0.6	0.8	0.3	6.5	7.3	9.64	9.1	-2.6	5.8	5.8	7.5	7.4	-1.6
6/16/2020	0.7	1.2	0.5	0.8	-0.1	0.8	0.9	0.5	0.7	0.1	6.8	8.5	10.3	9.3	-2.5	5.6	7.3	7.9	7.5	-1.9
6/17/2020	0.4	0.6	0.4	0.7	-0.3	0.4	0.4	0.4	0.6	-0.2	7.5	8.8	10.9	9.7	-2.2	5.8	6.9	8.3	7.7	-1.9
6/18/2020	0.3	0.4	0.4	0.6	-0.3	0.2	0.3	0.4	0.6	-0.4	9.3	9.1	11.2	10.1	-0.8	7	6.9	8.5	7.9	-0.9
6/19/2020	0.3	0.3	0.4	0.6	-0.3	0.2	0.3	0.4	0.5	-0.3	10.6	9.8	11	10.1	0.5	7.9	7.4	8.4	7.9	0
6/20/2020	0.2	0.7	0.4	0.6	-0.4	0.1	0.6	0.4	0.5	-0.4	11.3	9.5	11.3	10.3	1.0	8.3	7.5	8.5	8	0.3
6/21/2020	0.2	0.9	0.3	0.6	-0.4	0.1	0.7	0.3	0.5	-0.4	11.9	9.2	11.7	10.5	1.4	8.7	7.5	8.7	8.1	0.6
6/22/2020	0.1	0.6	0.3	0.5	-0.5	0.1	0.5	0.3	0.5	-0.4	12.1	9.1	11.5	10.4	1.7	8.8	7.2	8.6	8	0.8
6/23/2020	0.0	0.5	0.3	0.5	-0.4	0.0	0.4	0.3	0.4	-0.4	11.2	9.4	11.6	10.4	0.8	8.1	7.3	8.7	8	0.1
6/24/2020	0.0	0.2	0.3	0.4	-0.4	0.0	0.2	0.3	0.4	-0.4	10.9	9.8	11.6	10.8	0.1	7.9	7.3	8.7	8.2	-0.3
6/25/2020	0.0	0.2	0.3	0.3	-0.3	0.0	0.2	0.3	0.3	-0.3	11.1	10.9	11.4	11.2	-0.1	8	8	8.5	8.4	-0.4
6/26/2020	0.0	0.2	0.3	0.3	-0.3	0.0	0.2	0.3	0.3	-0.3	12.2	11.9	11.3	11.3	0.9	8.8	8.7	8.4	8.5	0.3
6/27/2020	0.1	0.2	0.3	0.3	-0.2	0.1	0.2	0.2	0.3	-0.2	12.7	12.8	11.8	11.5	1.2	9.2	9.4	8.7	8.6	0.6
6/28/2020	0.2	0.2	0.2	0.3	-0.2	0.2	0.2	0.2	0.3	-0.1	12.7	13.3	12.3	11.5	1.2	9.3	9.7	9.1	8.6	0.7
6/29/2020	0.2	0.2	0.2	0.3	-0.1	0.2	0.1	0.2	0.3	-0.1	12.6	14.0	12.5	11.3	1.3	9.3	10.2	9.2	8.5	0.8
6/30/2020	0.2	0.1	0.2	0.3	-0.1	0.1	0.1	0.2	0.2	-0.1	12.3	13.1	12.5	11.4	0.9	9	9.5	9.2	8.5	0.5
7/1/2020	0.1	0.1	0.2	0.3	-0.2	0.1	0.1	0.2	0.3	-0.2	12.1	12.8	12.4	11.5	0.6	8.8	9.3	9.2	8.6	0.2
7/2/2020	0.0	0.2	0.2	0.4	-0.3	0.0	0.2	0.2	0.3	-0.3	12.7	14.5	12.4	11.6	1.1	9.2	10.6	9.2	8.7	0.5
7/3/2020	0.0	0.1	0.1	0.3	-0.2	0.0	0.1	0.1	0.2	-0.2	13.2	13.9	12.5	11.7	1.5	9.5	10.1	9.2	8.7	0.8
7/4/2020	0.0	0.1	0.1	0.2	-0.2	0.0	0.1	0.1	0.2	-0.2	13.8	14.3	13	12.3	1.5	9.9	10.4	9.5	9.1	0.8
7/5/2020	0.0	0.1	0.1	0.2	-0.2	0.0	0.1	0.1	0.2	-0.2	13.8	14.6	13.8	12.4	1.4	9.9	10.7	10.1	9.1	0.8
7/6/2020	0.0	0.1	0.1	0.2	-0.2	0.0	0.1	0.1	0.2	-0.2	13.8	14.3	14.1	12.5	1.3	9.9	10.4	10.3	9.2	0.7
7/7/2020	0.0	0.2	0.1	0.2	-0.2	0.0	0.1	0.1	0.2	-0.2	13.7	12.8	14.1	12.5	1.2	9.9	9.4	10.3	9.2	0.7
7/8/2020	0.0	0.2	0.2	0.2	-0.2	0.0	0.2	0.2	0.2	-0.2	13.8	11.5	13.4	12.5	1.3	10	8.5	9.8	9.2	0.8
7/9/2020	0.1	0.1	0.1	0.2	-0.1	0.0	0.1	0.1	0.2	-0.2	13.8	12.7	13.1	12.7	1.1	10.0	9.2	9.6	9.3	0.7

Green colors denote above average degree day totals

Red colors denote below average degree day totals

Daily Regional U.S. Degree Day Totals (New EIA Regions)

GW HDD = Residential and Commercial gas weighted HDDs.

PW = Population weighted degree days

	EIA East DDs 13				EIA Midwest DDs 13				EIA Mountain DDs 13				EIA Pacific DDs 13				EIA South Central 13				
	GW HDD	PW HDD	PW CDD	CMB	GW HDD	PW HDD	PW CDD	CMB	GW HDD	PW HDD	PW CDD	CMB	GW HDD	PW HDD	PW CDD	CMB	GW HDD	PW HDD	PW CDD	CMB	
Observed Data	5/26/2020	0.2	0.2	7.3	5.5	0.1	0.1	10.6	7.7	2.3	2.0	7.5	7.7	0.6	0.8	7.9	6.3	0.0	0.0	8.1	5.9
	5/27/2020	0.0	0.0	8.1	5.8	0.0	0.0	9.0	6.5	0.7	0.6	10.5	8.3	0.4	0.5	7.2	5.6	0.0	0.0	9.2	6.6
	5/28/2020	0.0	0.0	9.8	7.1	0.1	0.1	6.5	4.8	1.2	1.1	12.1	9.9	1.1	1.0	6.9	6.1	0.0	0.0	10.1	7.3
	5/29/2020	0.0	0.0	10.1	7.3	1.4	1.3	2.9	3.5	0.6	0.6	14.3	10.9	0.5	0.5	4.8	4.0	0.0	0.0	11.1	8.0
	5/30/2020	0.8	0.6	8.9	7.2	3.3	3.0	1.2	4.2	0.9	0.9	15.1	11.7	1.2	1.7	3.1	3.4	0.0	0.0	11.1	8.0
	5/31/2020	4.5	3.7	4.3	7.6	5.2	4.7	1.3	6.1	0.3	0.3	13.0	9.7	2.1	2.5	2.0	3.5	0.0	0.0	11.0	7.9
	6/1/2020	5.2	4.4	3.8	7.9	1.9	1.7	3.6	4.5	0.4	0.4	14.9	11.1	1.1	1.4	4.3	4.1	0.0	0.0	12.0	8.6
	6/2/2020	1.6	1.6	5.2	5.4	0.0	0.0	11.9	8.6	0.3	0.2	14.9	11.0	0.7	1.0	6.8	5.6	0.0	0.0	14.4	10.4
	6/3/2020	0.1	0.1	9.8	7.1	0.0	0.0	11.6	8.4	0.2	0.2	15.2	11.1	0.6	1.0	9.9	7.8	0.0	0.0	16.4	11.8
	6/4/2020	0.0	0.0	11.3	8.1	0.0	0.0	10.3	7.4	0.2	0.2	16.2	11.9	0.4	0.7	6.4	5.0	0.0	0.0	17.1	12.3
	6/5/2020	0.0	0.0	11.5	8.3	0.1	0.1	11.4	8.3	0.2	0.2	16.8	12.3	1.9	2.1	2.5	3.7	0.0	0.0	18.1	13.0
	6/6/2020	0.0	0.0	12.3	8.9	0.3	0.3	9.0	6.8	1.1	1.1	9.9	8.2	2.2	2.7	1.8	3.5	0.0	0.0	18.6	13.4
	6/7/2020	0.7	0.7	7.7	6.2	0.5	0.5	8.1	6.4	3.5	3.4	9.9	10.6	2.8	3.4	1.6	4.0	0.0	0.0	18.1	13.0
	6/8/2020	0.5	0.4	7.8	6.1	0.0	0.0	11.4	8.2	5.3	4.9	7.1	10.4	1.6	2.1	4.1	4.5	0.0	0.0	18.9	13.6
	6/9/2020	0.0	0.1	11.7	8.5	0.0	0.0	13.0	9.4	5.9	5.2	5.5	9.8	1.1	1.6	7.7	6.6	0.0	0.0	18.2	13.1
	6/10/2020	0.1	0.1	13.3	9.7	0.2	0.2	8.2	6.1	2.4	2.1	7.3	7.6	0.1	0.2	9.4	6.9	0.0	0.0	12.9	9.3
	6/11/2020	0.0	0.0	10.6	7.6	0.2	0.2	4.9	3.8	0.4	0.4	11.4	8.6	0.1	0.1	7.9	5.8	0.0	0.0	11.7	8.4
	6/12/2020	0.3	0.2	9.8	7.4	1.2	1.1	4.7	4.6	0.1	0.1	14.5	10.5	1.6	2.0	3.5	4.1	0.0	0.0	13.0	9.4
	6/13/2020	1.9	1.6	5.4	5.8	3.8	3.4	3.9	6.6	0.7	0.7	12.9	9.9	1.9	2.4	2.4	3.6	0.0	0.0	14.7	10.6
	6/14/2020	2.6	2.1	4.2	5.7	3.0	2.7	3.3	5.4	1.2	1.2	12.5	10.2	1.3	1.7	3.1	3.5	0.0	0.0	14.8	10.7
	6/15/2020	1.1	1.0	3.9	3.9	1.4	1.2	3.7	4.1	1.2	1.2	13.0	10.6	1.6	2.0	4.3	4.6	0.0	0.0	16.1	11.6
	6/16/2020	0.8	0.9	3.7	3.4	0.1	0.1	6.3	4.6	1.2	1.3	13.3	10.8	1.8	2.2	3.1	4.0	0.0	0.0	16.0	11.5
	6/17/2020	0.1	0.1	4.6	3.4	0.0	0.0	8.3	6.0	2.8	2.6	12.2	11.6	0.5	0.7	3.7	3.1	0.0	0.0	15.2	10.9
	6/18/2020	0.0	0.0	8.3	6.0	0.0	0.0	9.8	7.1	2.7	2.4	8.9	9.1	0.2	0.2	4.8	3.7	0.0	0.0	16.4	11.8
6/19/2020	0.0	0.0	10.7	7.7	0.0	0.0	11.3	8.2	2.5	2.1	8.8	8.8	0.3	0.3	6.0	4.6	0.0	0.0	15.3	11.0	
6/20/2020	0.0	0.0	11.8	8.5	0.1	0.1	12.3	9.0	0.7	0.6	11.2	8.7	0.3	0.3	4.8	3.8	0.0	0.0	15.2	10.9	
6/21/2020	0.0	0.0	13.1	9.4	0.0	0.0	10.2	7.4	0.3	0.3	14.1	10.5	0.7	0.7	5.7	4.8	0.0	0.0	15.9	11.4	
6/22/2020	0.0	0.0	13.9	10.0	0.2	0.1	9.3	6.8	0.4	0.4	14.1	10.6	0.0	0.0	7.2	5.2	0.0	0.0	14.8	10.7	
6/23/2020	0.0	0.0	13.1	9.4	0.1	0.1	6.0	4.4	0.1	0.1	14.5	10.5	0.0	0.0	8.2	5.9	0.0	0.0	14.0	10.1	
6/24/2020	0.0	0.0	12.5	9.0	0.1	0.1	5.6	4.1	0.0	0.0	16.4	11.8	0.1	0.1	7.4	5.4	0.0	0.0	13.6	9.8	
Forecast Data	6/25/2020	0.0	0.0	11.3	8.1	0.0	0.0	7.9	5.7	0.0	0.0	17.2	12.4	0.2	0.2	7.2	5.4	0.0	0.0	14.9	10.7
	6/26/2020	0.0	0.0	12.6	9.1	0.0	0.0	11.7	8.4	0.2	0.2	14.8	10.9	0.0	0.0	7.2	5.2	0.0	0.0	15.6	11.2
	6/27/2020	0.0	0.0	14.1	10.2	0.0	0.0	11.8	8.5	0.1	0.1	15.4	11.2	0.2	0.3	5.9	4.5	0.0	0.0	15.8	11.4
	6/28/2020	0.0	0.0	14.6	10.5	0.0	0.0	11.6	8.4	0.3	0.3	14.3	10.6	0.7	0.9	4.1	3.7	0.0	0.0	17.3	12.5
	6/29/2020	0.0	0.0	13.9	10.0	0.0	0.0	13.2	9.5	0.9	0.9	12.6	10.0	0.5	0.6	2.6	2.4	0.0	0.0	18.2	13.1
	6/30/2020	0.0	0.0	13.0	9.4	0.0	0.0	13.3	9.6	1.0	1.0	11.0	8.9	0.4	0.4	3.6	3.0	0.0	0.0	18.5	13.3
	7/1/2020	0.0	0.0	12.4	8.9	0.0	0.0	12.4	8.9	0.6	0.6	11.4	8.8	0.2	0.2	5.2	3.9	0.0	0.0	18.4	13.2
	7/2/2020	0.0	0.0	12.9	9.3	0.0	0.0	12.5	9.0	0.3	0.2	13.7	10.1	0.1	0.1	6.4	4.7	0.0	0.0	18.0	13.0
	7/3/2020	0.0	0.0	13.5	9.7	0.0	0.0	13.0	9.4	0.1	0.0	15.9	11.5	0.1	0.2	7.0	5.2	0.0	0.0	17.8	12.8
	7/4/2020	0.0	0.0	14.1	10.2	0.0	0.0	13.3	9.6	0.0	0.0	17.8	12.8	0.0	0.0	8.0	5.8	0.0	0.0	17.6	12.7
	7/5/2020	0.0	0.0	13.8	9.9	0.0	0.0	13.2	9.5	0.0	0.0	18.4	13.2	0.0	0.0	7.9	5.7	0.0	0.0	17.9	12.9
	7/6/2020	0.0	0.0	13.9	10.0	0.0	0.0	13.1	9.4	0.0	0.0	18.1	13.0	0.1	0.1	7.7	5.6	0.0	0.0	18.3	13.2
	7/7/2020	0.0	0.0	14.1	10.2	0.0	0.0	12.7	9.1	0.0	0.0	17.8	12.8	0.1	0.1	7.4	5.4	0.0	0.0	18.3	13.2
	7/8/2020	0.0	0.0	14.2	10.2	0.0	0.0	12.9	9.3	0.0	0.0	17.8	12.8	0.2	0.2	7.2	5.4	0.0	0.0	18.4	13.2
	7/9/2020	0.0	0.0	14.2	10.2	0.0	0.0	13.0	9.4	0.0	0.0	17.9	12.9	0.3	0.3	7.0	5.3	0.0	0.0	18.6	13.4

CMB is the gas weighted HDDs plus 0.72 times the population weighted CDDs.

Red numbers correspond to file locations on last page.

Daily Regional (Old EIA Regions) and U.S. Degree Day Totals

GW HDD = Residential and Commercial gas weighted HDDs.

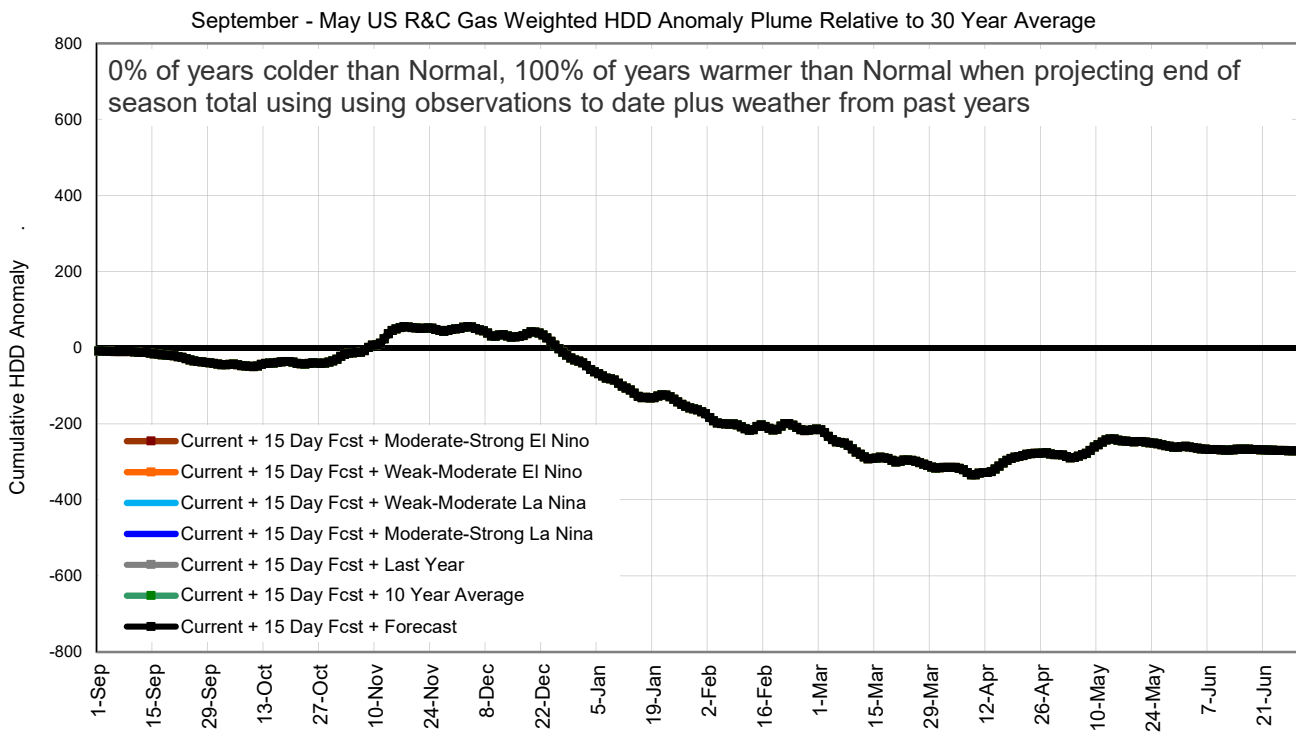
PW = Population weighted degree days

Date	EIA East DDs 10				EIA West DDs 10				EIA Producing 10				Total U.S. DDs 1				Heat Oil 6 HDDs	Pro 6 pane HDDs
	GW HDD	PW HDD	PW CDD	CMB	GW HDD	PW HDD	PW CDD	CMB	GW HDD	PW HDD	PW CDD	CMB	GW HDD	PW HDD	PW CDD	CMB		
5/26/2020	0.2	0.2	8.3	6.1	1.1	1.2	8.0	6.9	0.0	0.0	7.9	5.7	0.4	0.4	8.2	6.3	0.5	0.4
5/27/2020	0.0	0.0	8.4	6.1	0.5	0.6	8.3	6.5	0.0	0.0	9.2	6.6	0.1	0.1	8.5	6.3	0.1	0.2
5/28/2020	0.0	0.0	8.8	6.4	1.2	1.1	8.3	7.1	0.0	0.0	10.2	7.4	0.4	0.3	8.9	6.8	0.0	0.4
5/29/2020	0.4	0.3	7.9	6.1	1.0	1.0	7.6	6.5	0.0	0.0	11.1	8.0	0.5	0.4	8.4	6.5	0.3	0.7
5/30/2020	1.7	1.2	6.6	6.4	1.5	1.8	6.7	6.3	0.0	0.0	11.2	8.1	1.4	1.2	7.4	6.7	1.1	1.7
5/31/2020	4.8	4.0	3.5	7.3	1.7	2.0	5.3	5.6	0.0	0.0	11.1	8.0	3.2	2.9	5.1	6.9	6.5	3.9
6/1/2020	3.9	3.6	3.6	6.5	0.8	1.1	7.9	6.5	0.0	0.0	12.0	8.6	2.5	2.4	6.0	6.8	7.7	3.2
6/2/2020	1.0	1.1	7.3	6.2	0.5	0.7	9.5	7.4	0.0	0.0	14.3	10.3	0.7	0.8	9.0	7.2	4.0	1.2
6/3/2020	0.0	0.1	10.5	7.6	0.5	0.7	11.3	8.6	0.0	0.0	16.3	11.7	0.2	0.2	11.6	8.5	0.6	0.3
6/4/2020	0.0	0.0	11.1	8.0	0.4	0.5	9.4	7.1	0.0	0.0	17.1	12.3	0.1	0.1	11.6	8.5	0.1	0.2
6/5/2020	0.0	0.0	11.7	8.4	1.3	1.5	6.8	6.2	0.0	0.0	18.1	13.0	0.4	0.4	11.5	8.7	0.1	0.4
6/6/2020	0.1	0.1	11.5	8.4	1.8	2.2	3.8	4.6	0.0	0.0	18.5	13.3	0.6	0.6	10.8	8.3	0.2	0.6
6/7/2020	0.6	0.6	8.0	6.4	3.1	3.4	4.2	6.1	0.0	0.0	17.8	12.8	1.2	1.2	8.6	7.4	1.8	1.4
6/8/2020	0.3	0.3	8.8	6.6	2.9	3.0	5.5	6.8	0.0	0.0	18.5	13.3	1.0	0.9	9.5	7.8	1.2	1.1
6/9/2020	0.0	0.1	12.2	8.8	2.7	2.7	7.2	7.8	0.2	0.1	17.6	12.8	0.8	0.7	11.8	9.3	0.4	0.9
6/10/2020	0.1	0.1	11.9	8.6	1.0	0.9	8.4	7.0	0.0	0.0	12.5	9.0	0.3	0.3	11.2	8.4	0.6	0.4
6/11/2020	0.1	0.1	9.0	6.6	0.2	0.3	8.6	6.4	0.0	0.0	11.7	8.4	0.1	0.1	9.3	6.8	0.3	0.2
6/12/2020	0.6	0.5	8.3	6.6	1.2	1.5	6.8	6.1	0.0	0.0	13.0	9.4	0.7	0.6	8.7	7.0	0.6	0.9
6/13/2020	2.6	2.1	5.2	6.4	1.7	2.1	5.3	5.5	0.0	0.0	14.5	10.4	2.0	1.8	6.7	6.8	3.2	2.5
6/14/2020	2.8	2.3	4.1	5.8	1.3	1.6	5.6	5.3	0.0	0.0	14.7	10.6	2.0	1.8	6.2	6.4	3.9	2.4
6/15/2020	1.3	1.1	3.8	4.0	1.4	1.7	7.0	6.5	0.0	0.0	16.0	11.5	1.1	1.1	6.5	5.8	1.9	1.5
6/16/2020	0.5	0.6	4.4	3.6	1.6	1.8	6.7	6.4	0.0	0.0	15.8	11.4	0.7	0.8	6.8	5.6	0.9	1.0
6/17/2020	0.1	0.1	5.7	4.2	1.3	1.3	6.5	5.9	0.0	0.0	15.2	10.9	0.4	0.4	7.5	5.8	0.2	0.5
6/18/2020	0.0	0.0	8.7	6.3	1.1	1.0	6.3	5.6	0.0	0.0	16.2	11.7	0.3	0.2	9.3	7.0	0.0	0.3
6/19/2020	0.0	0.0	11.0	7.9	1.1	0.9	6.7	5.9	0.0	0.0	15.1	10.9	0.3	0.2	10.6	7.9	0.0	0.3
6/20/2020	0.0	0.0	12.2	8.8	0.5	0.5	6.6	5.2	0.0	0.0	15.1	10.9	0.2	0.1	11.3	8.3	0.0	0.2
6/21/2020	0.0	0.0	12.4	8.9	0.6	0.6	8.2	6.5	0.0	0.0	15.9	11.4	0.2	0.1	11.9	8.7	0.0	0.2
6/22/2020	0.0	0.0	12.7	9.2	0.2	0.2	8.9	6.6	0.0	0.0	14.9	10.7	0.1	0.1	12.1	8.8	0.0	0.1
6/23/2020	0.0	0.0	11.0	7.9	0.1	0.0	9.8	7.1	0.0	0.0	14.1	10.2	0.0	0.0	11.2	8.1	0.0	0.0
6/24/2020	0.0	0.0	10.5	7.6	0.1	0.1	10.0	7.3	0.0	0.0	13.7	9.9	0.0	0.0	10.9	7.9	0.1	0.0
6/25/2020	0.0	0.0	10.4	7.5	0.1	0.1	10.1	7.4	0.0	0.0	15.0	10.8	0.0	0.0	11.1	8.0	0.0	0.0
6/26/2020	0.0	0.0	12.4	8.9	0.1	0.1	9.5	6.9	0.0	0.0	15.7	11.3	0.0	0.0	12.2	8.8	0.0	0.0
6/27/2020	0.0	0.0	13.4	9.6	0.2	0.2	9.0	6.7	0.0	0.0	15.7	11.3	0.1	0.1	12.7	9.2	0.0	0.1
6/28/2020	0.0	0.0	13.7	9.9	0.6	0.7	7.5	6.0	0.0	0.0	17.2	12.4	0.2	0.2	12.7	9.3	0.1	0.2
6/29/2020	0.0	0.0	13.7	9.9	0.6	0.7	6.2	5.1	0.0	0.0	18.0	13.0	0.2	0.2	12.6	9.3	0.0	0.2
6/30/2020	0.0	0.0	13.1	9.4	0.6	0.6	6.3	5.1	0.0	0.0	18.3	13.2	0.2	0.1	12.3	9.0	0.0	0.2
7/1/2020	0.0	0.0	12.4	8.9	0.3	0.4	7.4	5.6	0.0	0.0	18.2	13.1	0.1	0.1	12.1	8.8	0.0	0.1
7/2/2020	0.0	0.0	12.8	9.2	0.1	0.1	8.9	6.5	0.0	0.0	18.0	13.0	0.0	0.0	12.7	9.2	0.0	0.0
7/3/2020	0.0	0.0	13.4	9.6	0.1	0.1	10.0	7.3	0.0	0.0	17.8	12.8	0.0	0.0	13.2	9.5	0.0	0.0
7/4/2020	0.0	0.0	13.9	10.0	0.0	0.0	11.3	8.1	0.0	0.0	17.7	12.7	0.0	0.0	13.8	9.9	0.0	0.0
7/5/2020	0.0	0.0	13.6	9.8	0.0	0.0	11.4	8.2	0.0	0.0	17.9	12.9	0.0	0.0	13.8	9.9	0.0	0.0
7/6/2020	0.0	0.0	13.7	9.9	0.0	0.0	11.1	8.0	0.0	0.0	18.3	13.2	0.0	0.0	13.8	9.9	0.0	0.0
7/7/2020	0.0	0.0	13.7	9.9	0.1	0.1	10.7	7.8	0.0	0.0	18.3	13.2	0.0	0.0	13.7	9.9	0.0	0.0
7/8/2020	0.0	0.0	13.9	10.0	0.2	0.2	10.5	7.7	0.0	0.0	18.5	13.3	0.0	0.0	13.8	10.0	0.0	0.0
7/9/2020	0.0	0.0	14.0	10.1	0.2	0.2	10.4	7.7	0.0	0.0	18.7	13.5	0.1	0.0	13.8	10.0	0.0	0.0

CMB is the gas weighted HDDs plus 0.72 times the population weighted CDDs.

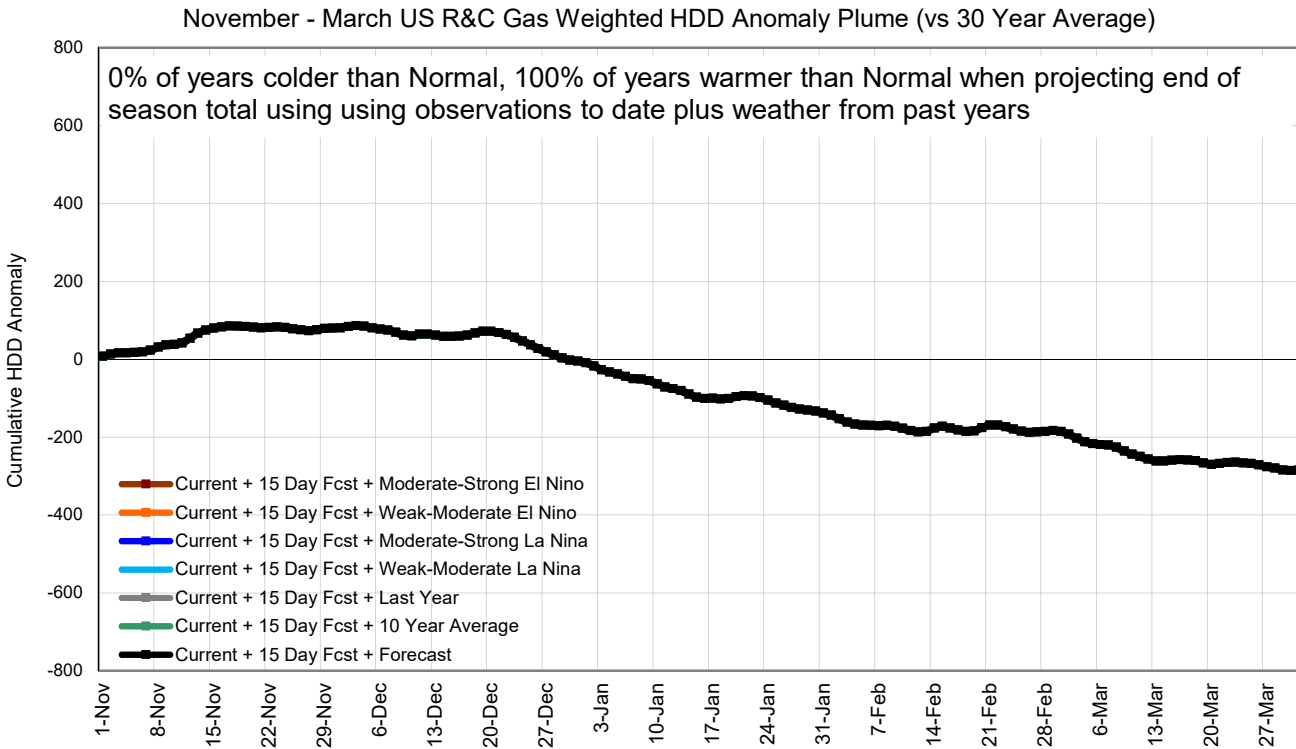
Red numbers correspond to file locations on last page.

Seasonal HDD Projections Using Season-to-Date + 15 Day Forecast + Last 35 Years of Observed Data



May 31 Anomaly

Fcst	-260
2018	-260
2017	-260
2016	-260
2015	-260
2014	-260
2013	-260
2012	-260
2011	-260
2010	-260
2009	-260
2008	-260
2007	-260
2006	-260
2005	-260
2004	-260
2003	-260
2002	-260
2001	-260
2000	-260
1999	-260
1998	-260
1997	-260
1996	-260
1995	-260
1994	-260
1993	-260
1992	-260
1991	-260
1990	-260
1989	-260
1988	-260
1987	-260
1986	-260
1985	-260
1984	-260



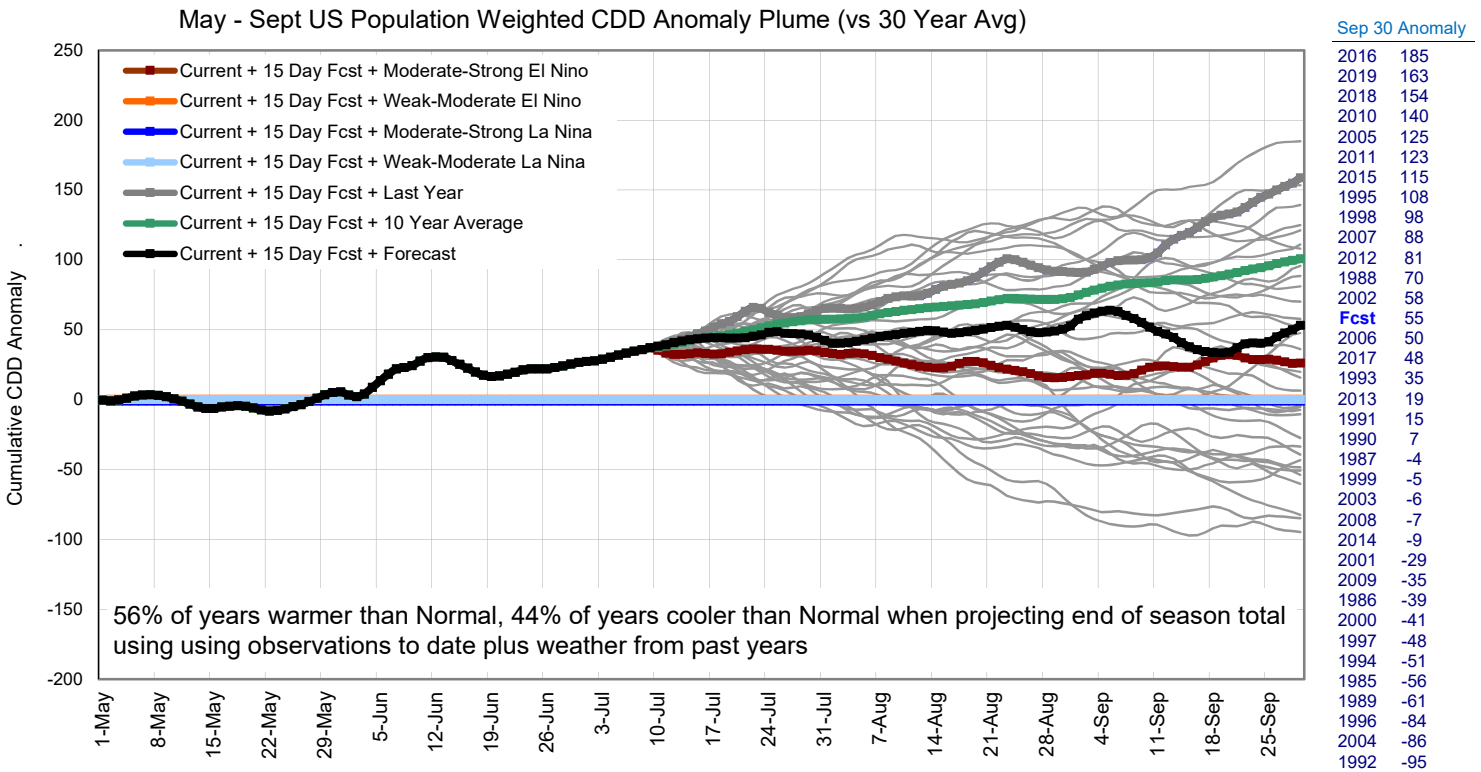
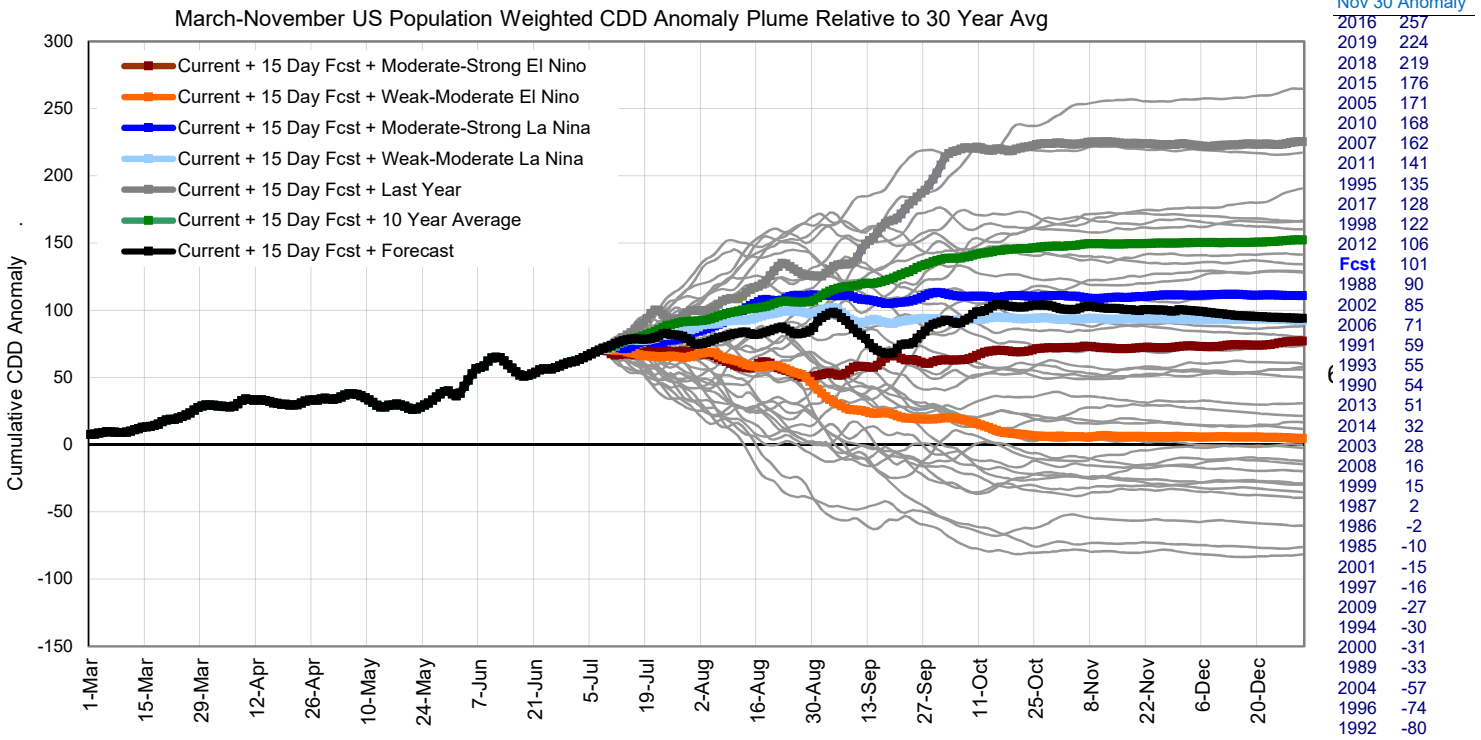
Mar 31 Anomaly

Fcst	-285
2018	-285
2017	-285
2016	-285
2015	-285
2014	-285
2013	-285
2012	-285
2011	-285
2010	-285
2009	-285
2008	-285
2007	-285
2006	-285
2005	-285
2004	-285
2003	-285
2002	-285
2001	-285
2000	-285
1999	-285
1998	-285
1997	-285
1996	-285
1995	-285
1994	-285
1993	-285
1992	-285
1991	-285
1990	-285
1989	-285
1988	-285
1987	-285
1986	-285
1985	-285
1984	-285

Seasonal Gas Weighted HDD Anomaly Plume Summary

	Sep-May	Nov-Mar	Dec-Feb		Sep-May	Nov-Mar	Dec-Feb
Current + Coldest Year	-252	-285	-265	Current + Mod-Strg El Nino Avg	-252	-285	-265
Current + Forecast	-252	-285	-265	Current + Weak-Mod El Nino Avg	-252	-285	-265
Current + 10 Year Avg	-252	-285	-265	Current + Mod-Strg La Nina Avg	-252	-285	-265
Current + Last Year	-252	-285	-265	Current + Weak-Mod La Nina Avg	-252	-285	-265
Current + Warmest Year	-252	-285	-265	Current + Average All Years	-252	-285	-265

Seasonal CDD Projection Plumes Using Season-to-Date Plus Last 35 Years of Observed Data

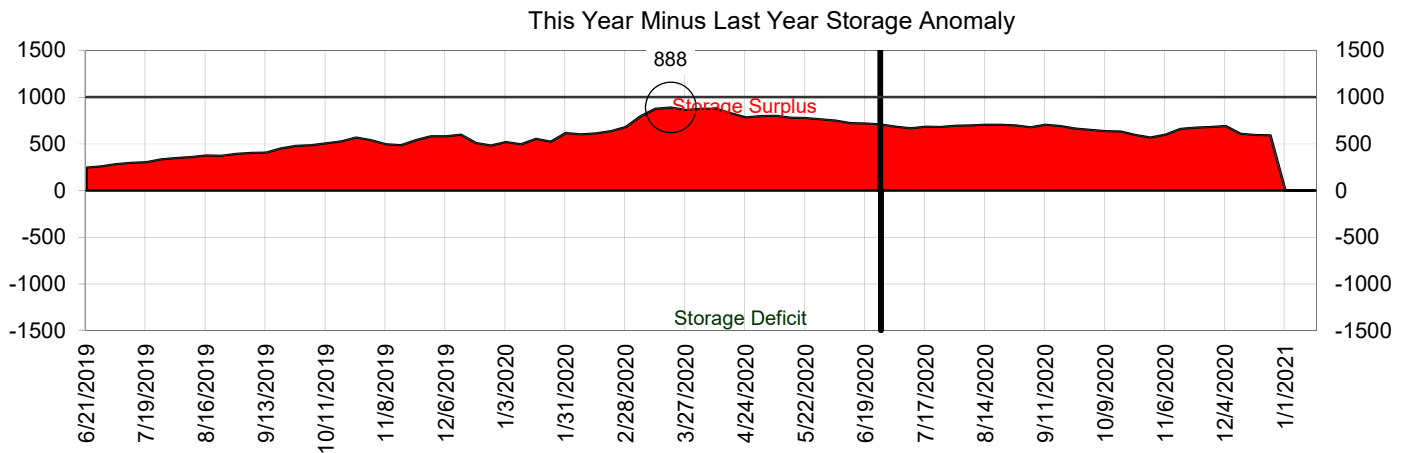
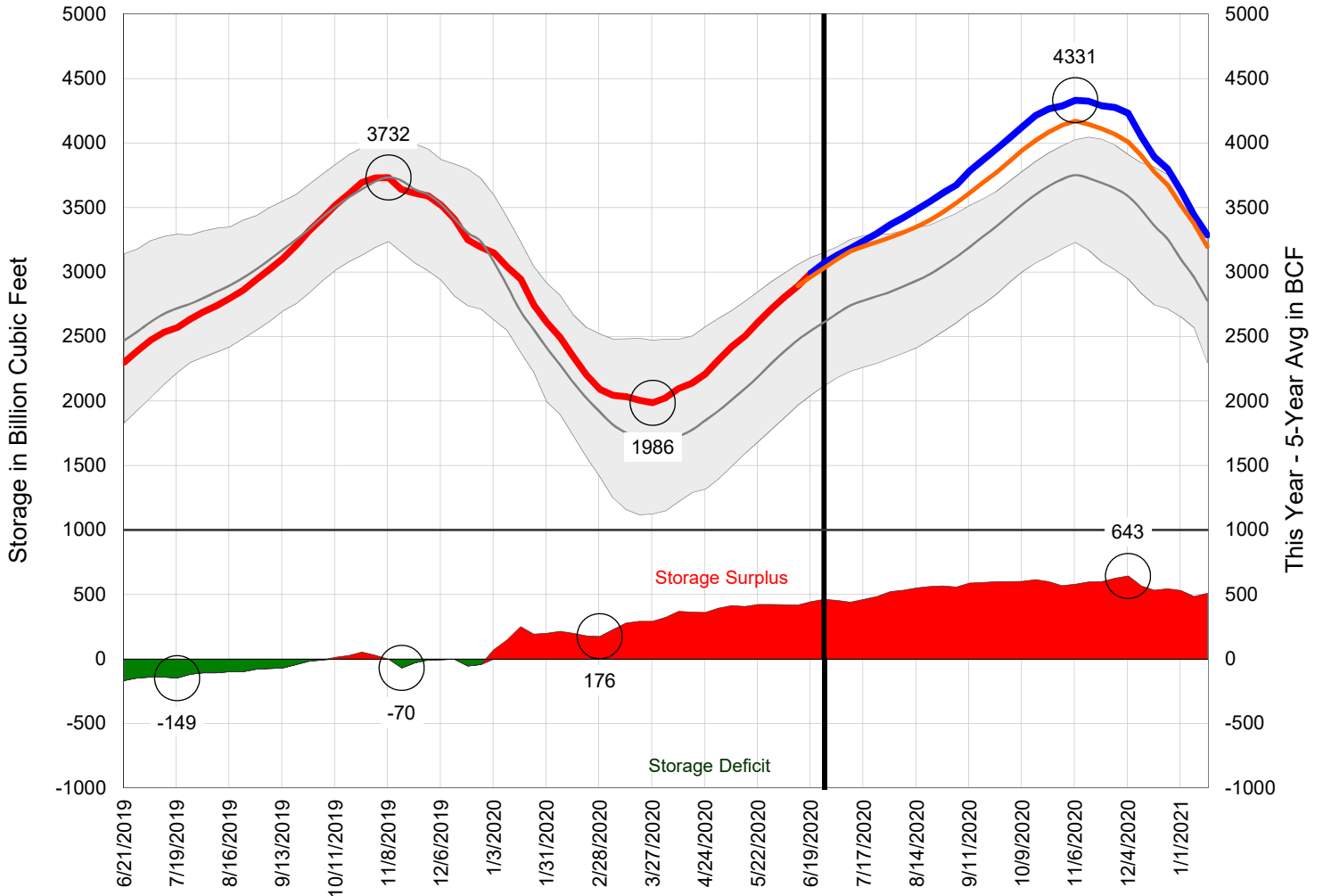


Seasonal Population Weighted CDD Anomaly Plume Summary

	Jan-Dec	May-Sep	Jun-Aug		Jan-Dec	May-Sep	Jun-Aug
Current + Hottest Year	265	185	184	Current + Mod-Strg El Nino Avg	77	27	28
Current + Forecast	94	55	56	Current + Weak-Mod El Nino Avg	5	0	-14
Current + 10 Year Avg	152	102	103	Current + Mod-Strg La Nina Avg	111	-1	79
Current + Last Year	225	163	168	Current + Weak-Mod La Nina Avg	92	0	84
Current + Coolest Year	-82	-95	-96	Current + Average All Years	62	30	29

Below are long-range NG storage projections based on the latest Frontier Weather 15 day and seasonal forecast. The projections are based on a regression of weekly degree day totals to weekly storage numbers over the last two years. **We have now included a linear growth variable to help account for production growth.** Circled areas on graphs denote observed or forecast values at those points in time.

Observed (red line) and 8 Month Forecast (blue line) Working Gas in Underground Storage Compared with 5-Year Range (grey band) and Year Minus 5-Year Storage Anomaly (Values = Frontier Forecast) Orange line uses 5 Year Avg Storage Builds/Draws as Forecast



Power Region Temperature and Degree Day Summary 11

AEP Dayton Hub	Avg High	Avg Low	Avg Avg	Total HDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg	Total CDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg
Week Ending																	
Fri 06/19/2020	79.1	57.3	68.2	5	4	5	5	1	1	1	27	-28	27	24	63	56	58
Fri 06/26/2020	85.5	63.6	74.6	0	0	0	0	0	0	1	67	7	68	83	65	60	61
Fri 07/03/2020	86.0	68.4	77.2	0	0	0	---	0	0	0	86	25	87	---	66	60	63
Cinergy	Avg High	Avg Low	Avg Avg	Total HDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg	Total CDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg
Week Ending																	
Fri 06/19/2020	82.6	60.2	71.4	0	0	0	0	1	0	0	45	-23	45	51	75	67	67
Fri 06/26/2020	85.2	65.0	75.1	0	0	0	0	0	0	1	71	1	70	57	75	70	70
Fri 07/03/2020	86.6	69.6	78.1	0	0	0	---	0	0	0	92	22	90	---	76	70	73
COB	Avg High	Avg Low	Avg Avg	Total HDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg	Total CDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg
Week Ending																	
Fri 06/19/2020	75.9	51.0	63.4	26	17	26	26	14	10	13	15	-6	15	62	22	21	18
Fri 06/26/2020	93.3	61.4	77.4	0	-6	0	0	6	6	7	87	49	89	116	38	38	35
Fri 07/03/2020	84.9	55.1	70.0	2	1	1	---	1	1	2	37	-25	43	---	63	61	52
Entergy	Avg High	Avg Low	Avg Avg	Total HDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg	Total CDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg
Week Ending																	
Fri 06/19/2020	91.3	70.3	80.8	0	0	0	0	0	0	0	111	-5	111	106	120	116	114
Fri 06/26/2020	88.5	72.2	80.3	0	0	0	0	0	0	0	107	-13	105	92	127	120	117
Fri 07/03/2020	90.2	74.0	82.1	0	0	0	---	0	0	0	120	0	121	---	127	119	120
Ercot	Avg High	Avg Low	Avg Avg	Total HDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg	Total CDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg
Week Ending																	
Fri 06/19/2020	93.0	70.3	81.7	0	0	0	0	0	0	0	117	-13	117	115	136	129	127
Fri 06/26/2020	90.0	71.5	80.8	0	0	0	0	0	0	0	110	-21	110	88	137	131	129
Fri 07/03/2020	93.3	75.1	84.2	0	0	0	---	0	0	0	135	4	136	---	138	130	132
Four Corners	Avg High	Avg Low	Avg Avg	Total HDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg	Total CDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg
Week Ending																	
Fri 06/19/2020	84.8	55.3	70.0	10	2	10	4	5	8	9	45	2	45	61	47	43	41
Fri 06/26/2020	89.0	58.1	73.5	0	-4	0	0	4	4	4	60	-1	60	86	65	61	59
Fri 07/03/2020	87.2	58.8	73.0	1	1	0	---	0	0	1	57	-22	62	---	85	79	76
FRCC	Avg High	Avg Low	Avg Avg	Total HDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg	Total CDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg
Week Ending																	
Fri 06/19/2020	89.3	72.3	80.8	0	0	0	0	0	0	0	111	-12	111	101	125	122	120
Fri 06/26/2020	93.0	76.6	84.8	0	0	0	0	0	0	0	139	16	138	73	131	123	122
Fri 07/03/2020	92.0	77.0	84.5	0	0	0	---	0	0	0	136	13	135	---	128	123	123
Mead	Avg High	Avg Low	Avg Avg	Total HDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg	Total CDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg
Week Ending																	
Fri 06/19/2020	91.5	67.8	79.6	5	4	5	5	1	1	3	107	-31	107	101	141	139	125
Fri 06/26/2020	104.3	77.2	90.7	0	0	0	0	0	0	1	180	24	181	126	166	157	145
Fri 07/03/2020	98.0	72.5	85.2	0	0	0	---	0	0	1	142	-32	139	---	180	173	161
Mid Columbia	Avg High	Avg Low	Avg Avg	Total HDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg	Total CDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg
Week Ending																	
Fri 06/19/2020	70.9	51.8	61.3	31	2	31	31	30	29	30	6	-1	6	16	7	7	6
Fri 06/26/2020	80.9	57.9	69.4	1	-15	1	0	14	16	19	32	18	32	114	13	14	13
Fri 07/03/2020	74.4	54.5	64.4	7	-3	5	---	10	10	12	4	-21	7	---	27	24	20
MRO/MAPP	Avg High	Avg Low	Avg Avg	Total HDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg	Total CDDs	20YA Anom	Prev Fcst	Fcst 1WA*	10Yr Avg	20Yr Avg	30Yr Avg
Week Ending																	
Fri 06/19/2020	82.9	60.7	71.8	6	0	6	5	4	6	7	54	15	54	56	43	39	39
Fri 06/26/2020	80.6	60.1	70.3	1	-3	1	6	3	4	5	38	-10	39	43	45	48	48
Fri 07/03/2020	86.3	67.9	77.1	0	-2	0	---	1	2	4	85	30	82	---	58	55	52

* 1WA refers to the forecast value from one week ago.

20YA Anom is the DD departure from the 20 year average.

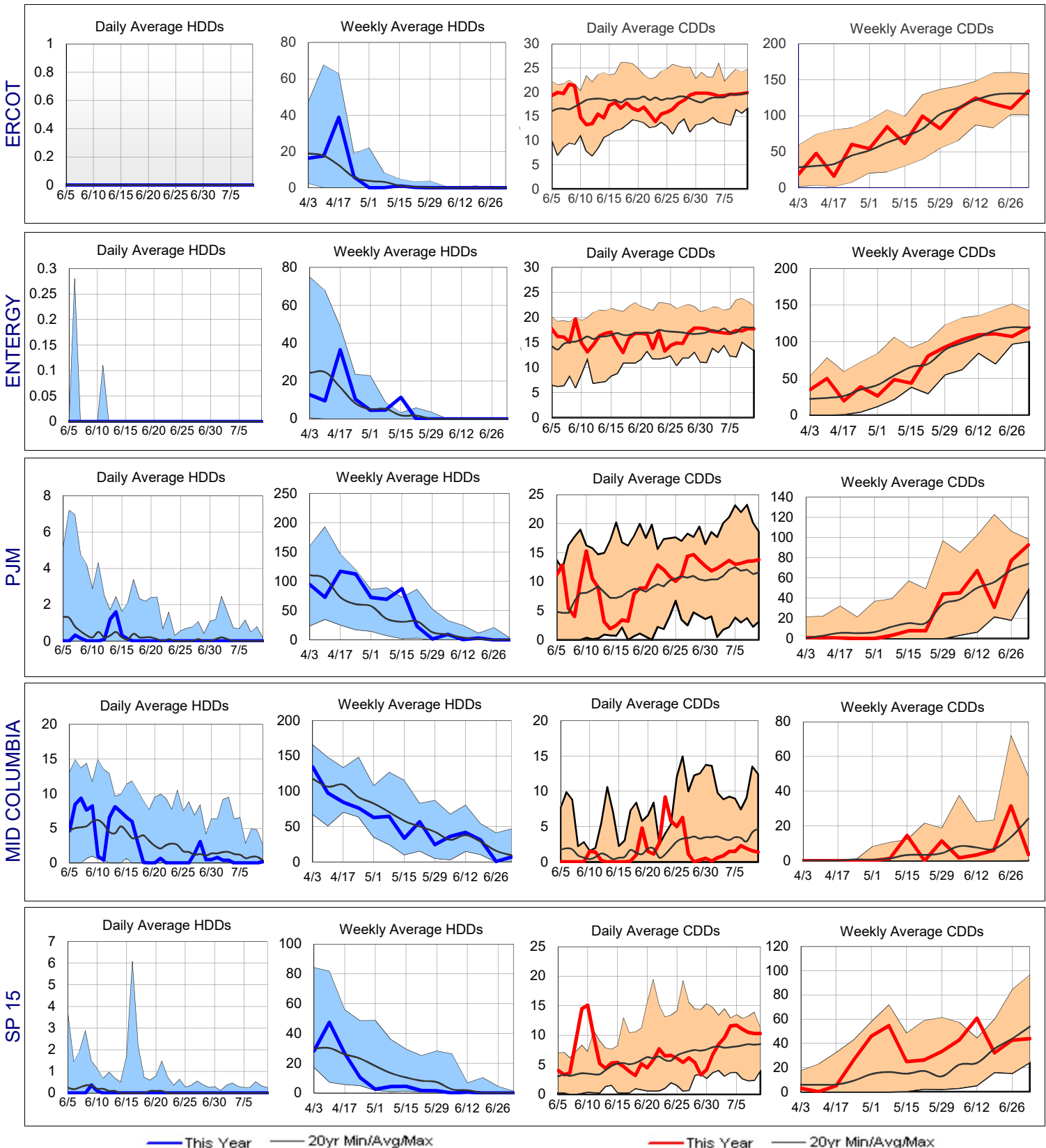
Power Region Temperature and Degree Day Summary 11

NEPOOL	Avg	Avg	Avg	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr
Week Ending	High	Low	Avg	HDDs	Anom	Fcst	1WA*	Avg	Avg	Avg	CDDs	Anom	Fcst	1WA*	Avg	Avg	Avg
Fri 06/19/2020	77.1	55.7	66.4	13	1	13	13	7	12	10	23	-1	23	29	24	24	27
Fri 06/26/2020	86.5	65.5	76.0	0	-3	0	0	2	3	3	77	35	76	118	44	42	41
Fri 07/03/2020	82.9	65.7	74.2	0	-2	0	---	1	2	2	65	9	65	---	59	56	53
Northern Illinois	Avg	Avg	Avg	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr
Week Ending	High	Low	Avg	HDDs	Anom	Fcst	1WA*	Avg	Avg	Avg	CDDs	Anom	Fcst	1WA*	Avg	Avg	Avg
Fri 06/19/2020	80.8	58.5	69.7	11	8	11	11	3	3	4	44	-1	44	50	51	44	47
Fri 06/26/2020	85.2	64.8	75.0	0	-2	0	0	1	2	3	70	17	69	137	52	53	54
Fri 07/03/2020	86.8	69.3	78.0	0	-1	0	---	1	1	1	91	37	90	---	61	55	57
NP15	Avg	Avg	Avg	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr
Week Ending	High	Low	Avg	HDDs	Anom	Fcst	1WA*	Avg	Avg	Avg	CDDs	Anom	Fcst	1WA*	Avg	Avg	Avg
Fri 06/19/2020	79.4	55.8	67.6	8	-5	8	7	13	12	15	26	0	26	48	24	26	23
Fri 06/26/2020	82.8	57.5	70.2	3	-9	2	1	11	12	13	39	12	42	21	28	28	26
Fri 07/03/2020	79.4	57.0	68.2	3	-6	3	---	8	9	10	26	-6	26	---	36	32	30
NYISO	Avg	Avg	Avg	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr
Week Ending	High	Low	Avg	HDDs	Anom	Fcst	1WA*	Avg	Avg	Avg	CDDs	Anom	Fcst	1WA*	Avg	Avg	Avg
Fri 06/19/2020	78.5	59.0	68.8	7	3	7	7	3	4	4	34	-10	34	34	45	44	46
Fri 06/26/2020	87.7	70.4	79.1	0	-1	0	1	0	1	2	99	36	97	57	66	63	61
Fri 07/03/2020	86.3	69.6	77.9	0	-1	0	---	1	1	1	91	16	92	---	78	75	71
Palo Verde	Avg	Avg	Avg	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr
Week Ending	High	Low	Avg	HDDs	Anom	Fcst	1WA*	Avg	Avg	Avg	CDDs	Anom	Fcst	1WA*	Avg	Avg	Avg
Fri 06/19/2020	104.3	74.9	89.6	0	0	0	0	0	0	0	172	-10	172	166	182	182	174
Fri 06/26/2020	108.4	79.3	93.9	0	0	0	0	0	0	0	202	3	200	94	206	199	194
Fri 07/03/2020	103.7	78.2	90.9	0	0	0	---	0	0	0	182	-28	181	---	214	210	206
PJM West	Avg	Avg	Avg	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr
Week Ending	High	Low	Avg	HDDs	Anom	Fcst	1WA*	Avg	Avg	Avg	CDDs	Anom	Fcst	1WA*	Avg	Avg	Avg
Fri 06/19/2020	77.9	59.9	68.9	3	1	3	3	1	2	2	31	-25	31	71	62	56	57
Fri 06/26/2020	85.5	66.5	76.0	0	0	0	0	0	0	1	77	9	76	85	76	68	67
Fri 07/03/2020	87.2	69.3	78.2	0	-1	0	---	1	1	0	93	19	93	---	81	74	73
Southern	Avg	Avg	Avg	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr
Week Ending	High	Low	Avg	HDDs	Anom	Fcst	1WA*	Avg	Avg	Avg	CDDs	Anom	Fcst	1WA*	Avg	Avg	Avg
Fri 06/19/2020	83.6	64.3	73.9	0	0	0	0	0	0	0	63	-38	63	54	107	101	98
Fri 06/26/2020	88.2	69.2	78.7	0	0	0	0	0	0	0	96	-10	94	60	113	106	103
Fri 07/03/2020	89.5	71.0	80.2	0	0	0	---	0	0	0	107	0	106	---	113	107	108
SP15	Avg	Avg	Avg	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr
Week Ending	High	Low	Avg	HDDs	Anom	Fcst	1WA*	Avg	Avg	Avg	CDDs	Anom	Fcst	1WA*	Avg	Avg	Avg
Fri 06/19/2020	76.9	62.2	69.6	0	0	0	0	0	0	1	32	-4	32	29	34	36	34
Fri 06/26/2020	78.7	63.4	71.1	0	0	0	0	0	0	0	43	-1	43	74	43	44	44
Fri 07/03/2020	79.4	63.2	71.3	0	0	0	---	0	0	0	44	-10	45	---	55	54	55
TVA	Avg	Avg	Avg	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr	Total	20YA	Prev	Fcst	10Yr	20Yr	30Yr
Week Ending	High	Low	Avg	HDDs	Anom	Fcst	1WA*	Avg	Avg	Avg	CDDs	Anom	Fcst	1WA*	Avg	Avg	Avg
Fri 06/19/2020	83.7	62.4	73.1	1	1	1	1	0	0	0	58	-32	58	48	97	90	87
Fri 06/26/2020	86.9	67.6	77.2	0	0	0	0	0	0	0	86	-10	84	78	105	96	92
Fri 07/03/2020	87.9	69.9	78.9	0	0	0	---	0	0	0	97	2	96	---	101	95	96

* 1WA refers to the forecast value from one week ago.

20YA Anom is the DD departure from the 20 year average.

Power Region Temperature and Degree Day Summary



Source file locations for data in various degree day tables in report

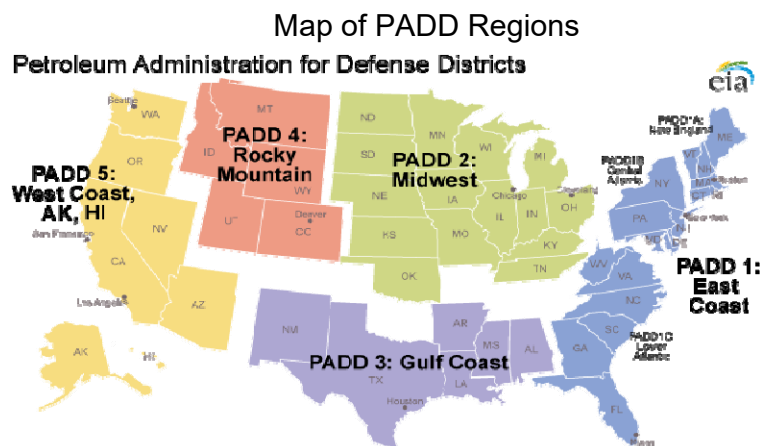
- 1 http://www.frontierweather.com/degreedays/HR_FW_USPopulationWeightedData.csv
- 2 <http://www.frontierweather.com/degreedays/USPopWeightedbyYearDDs.txt>
- 3 http://www.frontierweather.com/degreedays/HR_FW_1996_Forecast_NG_Elec_Combo_HDDs.csv
- 4 Combination of number 1 for CDDs and number 3 for HDDs.
- 5 <http://www.frontierweather.com/degreedays/USGasWeightedbyYearDDs.txt>
- 6 http://www.frontierweather.com/degreedays/HR_FW_1996_Forecast_FuelOil_Propane_HDDs.csv
- 7 http://www.frontierweather.com/degreedays/HR_FW_1996_Forecast_FuelOil_Propane_HDDs_byPadd.csv
- 8 http://www.frontierweather.com/degreedays/HR_FW_CensusRegionPopulationWeightedData_alt.csv
- 9 http://www.frontierweather.com/degreedays/HR_FW_CensusSubRegionPopulationWeightedData_alt.csv
- 10 http://www.frontierweather.com/degreedays/HR_FW_EIARegionPopulationWeightedData_alt.csv
- 11 <http://www.frontierweather.com/degreedays/L15N15PowerRegionAverages.txt>
- 12 <http://www.frontierweather.com/degreedays/OilweightedHDDs.txt> and [OWlast10andforecast.txt](http://www.frontierweather.com/degreedays/OWlast10andforecast.txt)
- 13 http://www.frontierweather.com/degreedays/HR_FW_EIAFiveRegionPopulationWeightedData_alt.csv

Above data files are password protected and only available to direct Frontier Weather subscribers.

The HR in the file name designates that it is derived from our new higher resolution population weighted data set.

The FW in the file named designates that population/gas weights for all years of data are fixed to 2010 values. A set of files with the same name, but without the "_FW" in the file name is also available, and in those files the weights vary by year. The fixed weights are used in this report to allow for better comparison to values from previous years since differences in values are only due to differences in weather and not differences in population patterns as well.

The main difference between the new data files used in this report and the old data files used in the previous version of the report is that the U.S. and regional degree day totals are derived from 230 cities in the new data files versus 120 cities in the old files. This difference is more apparent on the regional level than the national level.



© 2020 DTN. All rights reserved. Reproduction, distribution or disclosure is prohibited.

Any unauthorized reproduction, distribution or disclosure is prohibited and may result in account termination and/or prosecution. Information contained in this report is intended solely for use by the recipient and may not be further distributed without written approval from DTN.

Users of this report agree to the following:

THE REPORT is provided by DTN "AS IS", and "AS AVAILABLE" WITHOUT WARRANTY OF ANY KIND TO USER OR ANY THIRD PARTY, INCLUDING, BUT NOT LIMITED TO, ANY EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OF THE REPORT; ACCURACY OF INFORMATIONAL CONTENT; NON-INFRINGEMENT; QUIET ENJOYMENT; AND TITLE. FRONTIER WEATHER, INC. SHALL NOT BE LIABLE FOR ANY LOSS, INJURY, CLAIM, LIABILITY OR DAMAGE OF ANY KIND RESULTING IN ANY WAY FROM THE USE OF THIS INFORMATION. THE USER FURTHER AGREES THAT FRONTIER WEATHER, INC. SHALL NOT BE LIABLE TO USER OR ANY THIRD PARTY FOR ANY LOSS OF PROFITS, LOSS OF USE, INTERRUPTION OF BUSINESS, OR ANY DIRECT, INDIRECT, SPECIAL, EXEMPLARY, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND WHETHER UNDER THIS AGREEMENT OR OTHERWISE, EVEN IF FRONTIER WEATHER, INC. WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR WAS GROSSLY NEGLIGENT. In any event, DTN. shall never be liable for any amount in excess of the fees paid by the USER to DTN. hereby. Additionally, DTN. makes no warranty that the information provided in this report will be free from errors or omissions, or defects, human or mechanical.