

U.S. Gas Weighted HDD Summary

Period	Obs/ Fcst Total	Difference in Total/Forecast from				
		Last Fcst	Prev Week	Last Year	5Yr Avg	10Yr Avg
July 1-to-Date	1,056		▲ 148	▼ -294	▼ -295	▼ -316
Last Week	101	- 0	▼ -44	▼ -79	▼ -111	▼ -110
This Week	134	▲ 0	▲ 33	▼ -52	▼ -65	▼ -74
Next Week	154	▲ 3	▲ 21	▼ -54	▼ -65	▼ -53

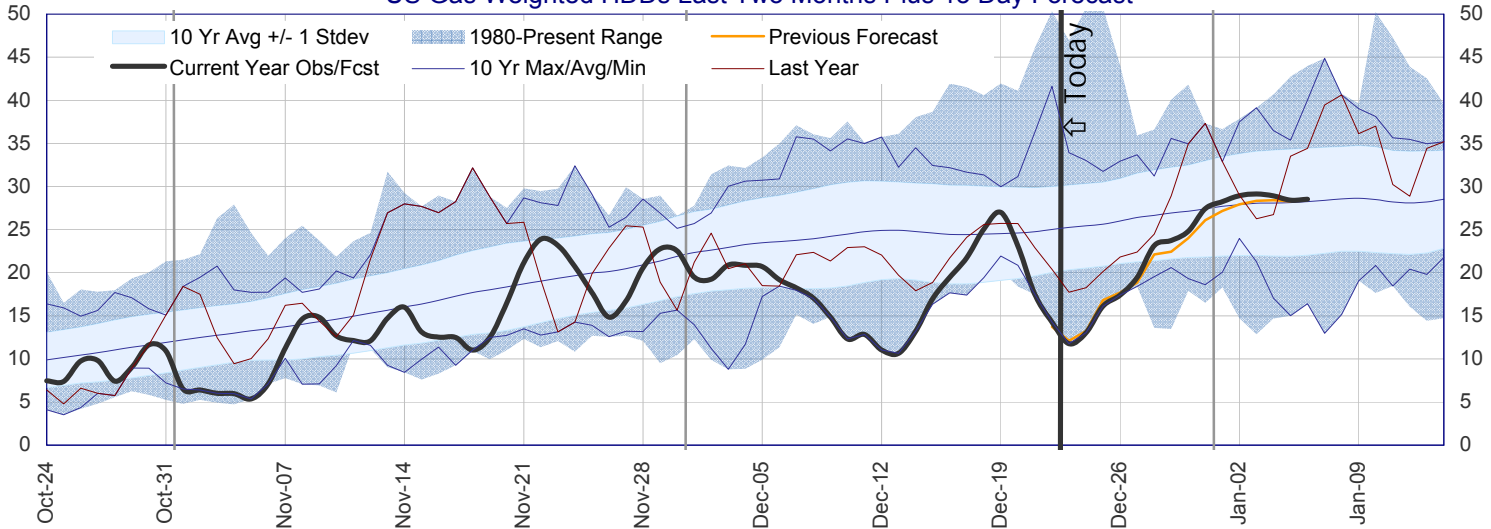
U.S. Population Weighted CDD Summary

Pop Weighted CDD Summary Period	Obs/ Fcst Total	Difference in Total/Forecast from				
		Last Fcst	Prev Week	Last Year	5Yr Avg	10Yr Avg
Jan 1-to-Date	1,767		▲ 188	▲ 187	▲ 74	▲ 121
Last Week	6	- 0	▲ 3	▲ 5	▲ 4	▲ 3
This Week	6	▲ 0	▲ 1	▲ 4	▲ 4	▲ 4
Next Week	6	▲ 1	▼ 0	▲ 4	▲ 5	▲ 4

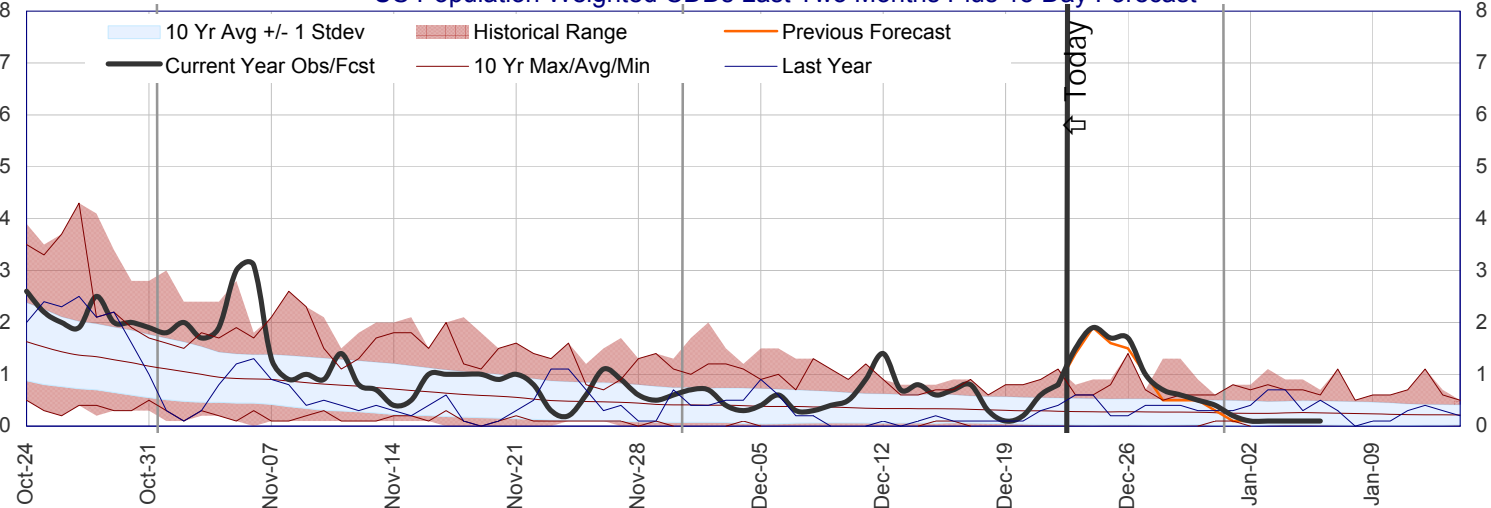
US Gas Weighted HDD and US Population Weighted CDD Text Summary

- Season to Date HDDs are 294 DDs (22%) below last year and 295 DDs (22%) below the 5 year average.
- This week will see 33 more HDDs than last week, 52 fewer HDDs than last year, 65 fewer HDDs than the 5yr Avg.
- Next week will see 21 more HDDs than this week, 54 fewer HDDs than last year, 65 fewer HDDs than the 5yr Avg.
- Season to Date CDDs are 187 DDs (12%) above last year and 74 DDs (4%) above the 5 year average.
- This week will see 1 more CDDs than last week, 4 more CDDs than last year, 4 more CDDs than the 5yr Avg.
- Next week will see 0 fewer CDDs than last week, 4 more CDDs than last year, 5 more CDDs than the 5yr Avg.

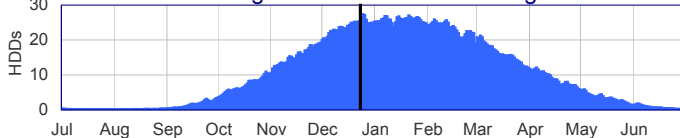
US Gas Weighted HDDs Last Two Months Plus 15 Day Forecast



US Population Weighted CDDs Last Two Months Plus 15 Day Forecast

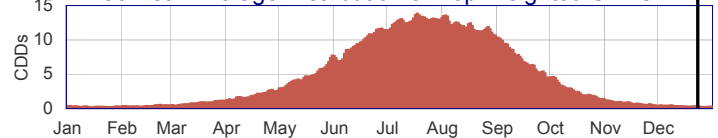


30 Year Average Distribution of Gas Weighted HDDs

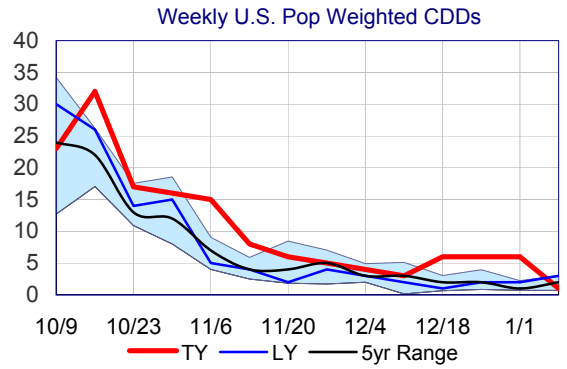
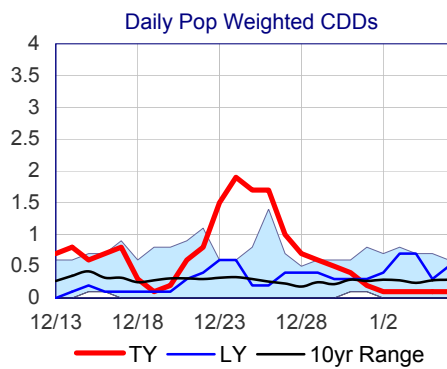
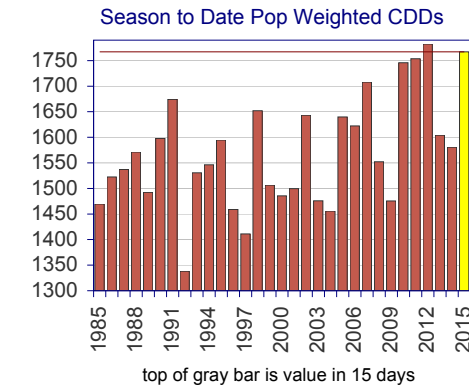
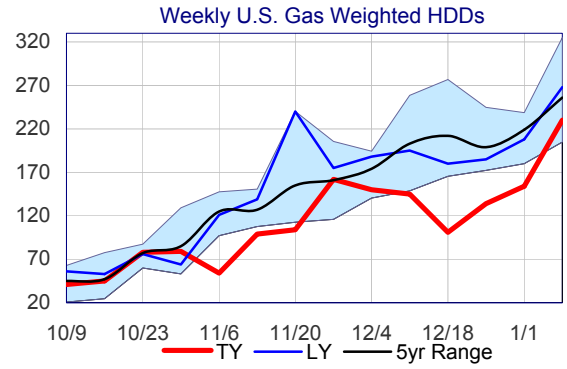
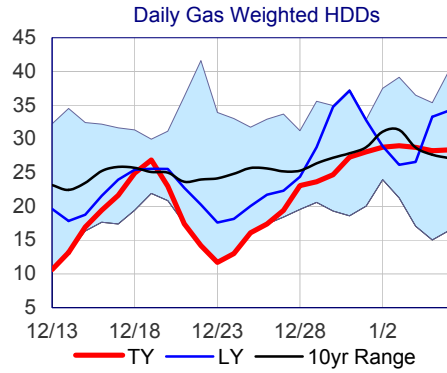
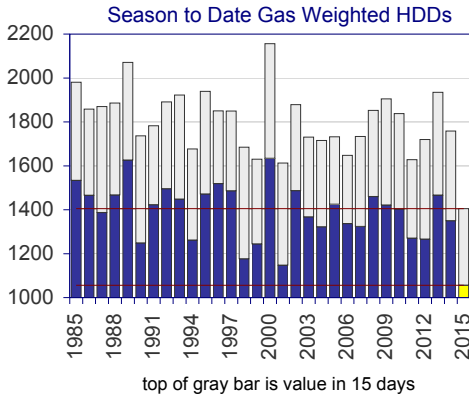


The heating season is currently ~33% complete.

30 Year Average Distribution of Pop Weighted CDDs

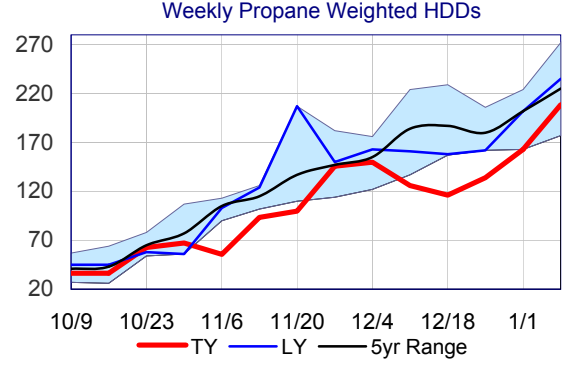
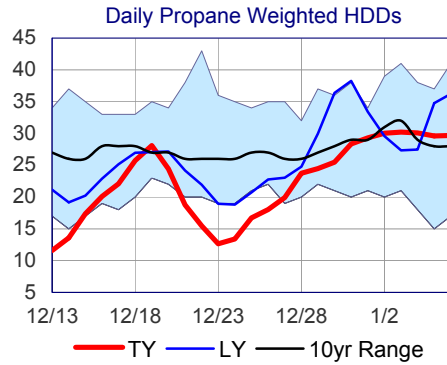
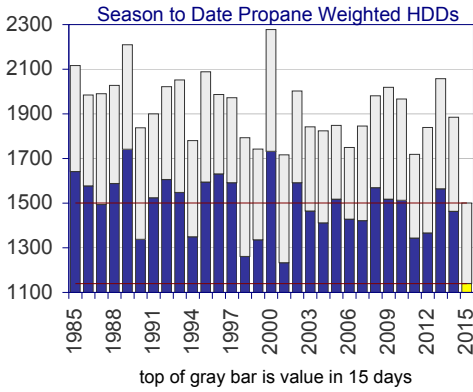
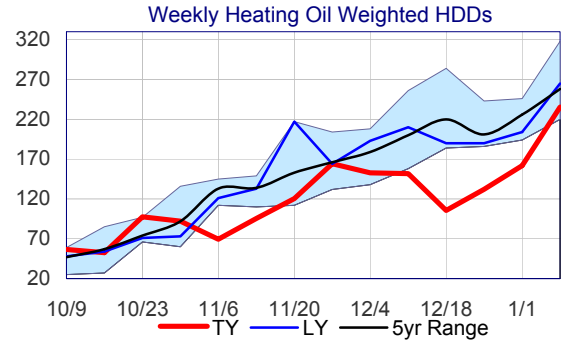
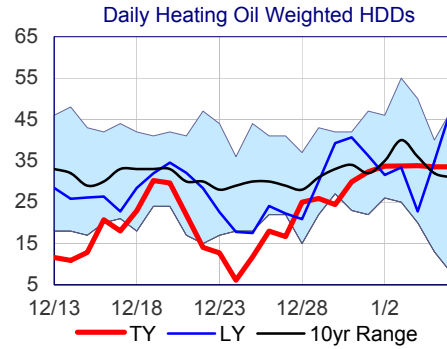
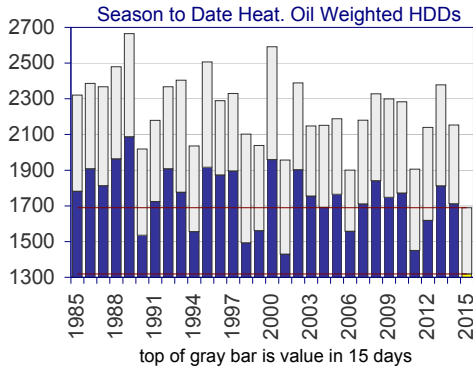


The cooling season is currently ~100% complete.



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	2000	1634	1	2001	2156	1	2012	1783	1	1999	4
2	1989	1626	2	1990	2071	2	2015	1767	2	2006	4
3	1985	1533	3	1986	1981	3	2011	1754	3	2007	3
4	1996	1519	4	1996	1939	4	2010	1746	4	1995	3
5	1992	1495	5	2014	1935	5	2007	1708	5	2009	3
6	2002	1487	6	1994	1922	6	1991	1674	6	1993	3
7	1997	1486	7	2010	1905	7	1998	1652	7	2000	3
8	1995	1471	8	1993	1891	8	2002	1643	8	2011	3
9	1988	1467	9	1989	1886	9	2005	1640	9	2008	2
10	2013	1466	10	2003	1878	10	2006	1622	10	1991	2
11	1986	1465	11	1988	1870	11	2013	1604	11	2002	2
12	2008	1460	12	1987	1859	12	1990	1598	12	1992	2
13	1993	1448	13	2009	1852	13	1995	1595	13	1987	2
14	2005	1425	14	1997	1850	14	2014	1581	14	2015	2
15	1991	1422	15	1998	1849	15	1988	1571	15	2016	1
Median	2009	1421	Median	2011	1838	Median	2008	1552	Median	2013	1
17	2010	1403	17	1992	1782	17	1994	1546	17	1996	1
18	1987	1387	18	2015	1758	18	1987	1537	18	1998	1
19	2003	1367	19	1991	1736	19	1993	1531	19	1988	1
20	2014	1350	20	2008	1733	20	1986	1523	20	1990	1
21	2006	1337	21	2006	1733	21	1999	1506	21	1997	1
22	2007	1324	22	2004	1730	22	2001	1500	22	2001	1
23	2004	1322	23	2013	1720	23	1989	1492	23	2005	1
24	2011	1271	24	2005	1716	24	2000	1485	24	2010	1
25	2012	1266	25	1999	1685	25	2003	1476	25	2014	1
26	1994	1261	26	1995	1677	26	2009	1475	26	1994	0
27	1990	1248	27	2007	1648	27	1985	1470	27	1986	0
28	1999	1244	28	2000	1630	28	1996	1459	28	2004	0
29	1998	1177	29	2012	1628	29	2004	1456	29	1989	0
30	2001	1147	30	2002	1613	30	1997	1411	30	2012	0
31	2015	1056	31	2016	1405	31	1992	1338	31	2003	0



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	1989	2087	1	1990	2665	1	1989	1741	1	2001	2278
2	1988	1963	2	2001	2591	2	2000	1731	2	1990	2209
3	2000	1959	3	1996	2506	3	1985	1641	3	1986	2116
4	1995	1916	4	1989	2480	4	1996	1631	4	1996	2088
5	1992	1908	5	1994	2404	5	1992	1605	5	2014	2057
6	1986	1908	6	2003	2389	6	1995	1594	6	1994	2052
7	2002	1902	7	1987	2386	7	2002	1591	7	1989	2027
8	1997	1896	8	2014	2378	8	1997	1591	8	1993	2022
9	1996	1872	9	1993	2367	9	1988	1588	9	2010	2019
10	2008	1840	10	1988	2367	10	1986	1576	10	2003	2002
11	1987	1813	11	1998	2330	11	2008	1569	11	1988	1990
12	2013	1812	12	2009	2328	12	2013	1564	12	1997	1987
13	1985	1781	13	1986	2321	13	1993	1547	13	1987	1985
14	1993	1776	14	2010	2300	14	1991	1524	14	2009	1981
15	2010	1771	15	1997	2289	15	2005	1517	15	1998	1972
Median	2005	1764	Median	2011	2283	Median	2009	1517	Median	2011	1967
17	2003	1755	17	2006	2188	17	2010	1512	17	1992	1900
18	2009	1747	18	2008	2180	18	1987	1494	18	2015	1885
19	1991	1724	19	1992	2180	19	2003	1464	19	2006	1848
20	2014	1712	20	2015	2153	20	2014	1463	20	2008	1846
21	2007	1711	21	2005	2151	21	2006	1427	21	2004	1842
22	2004	1692	22	2004	2148	22	2007	1421	22	2013	1839
23	2012	1618	23	2013	2140	23	2004	1411	23	1991	1838
24	1999	1561	24	1999	2102	24	2012	1366	24	2005	1824
25	2006	1557	25	2000	2038	25	1994	1349	25	1999	1793
26	1994	1556	26	1995	2036	26	2011	1343	26	1995	1780
27	1990	1535	27	1991	2019	27	1990	1337	27	2007	1749
28	1998	1492	28	2002	1957	28	1999	1335	28	2000	1742
29	2011	1450	29	2012	1906	29	1998	1261	29	2012	1719
30	2001	1429	30	2007	1901	30	2001	1233	30	2002	1717
31	2015	1319	31	2016	1690	31	2015	1139	31	2016	1501

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
10/9/2015	28 (0)	35	33	23 (0)	30	24	44 (0)	57	50	43	55	49
10/16/2015	28 (0)	35	34	32 (0)	26	22	50 (0)	54	50	49	52	48
10/23/2015	51 (0)	46	53	17 (0)	14	13	64 (0)	56	62	62	54	60
10/30/2015	54 (0)	44	64	16 (0)	15	12	65 (0)	55	73	63	53	70
11/6/2015	46 (0)	89	90	15 (0)	5	7	56 (0)	93	95	54	90	92
11/13/2015	79 (0)	107	100	8 (0)	4	4	85 (0)	110	103	82	108	101
11/20/2015	86 (0)	186	120	6 (0)	2	4	90 (0)	187	123	88	185	121
11/27/2015	127 (0)	128	126	5 (0)	4	5	131 (0)	131	130	129	129	127
12/4/2015	130 (0)	137	135	4 (0)	3	3	133 (0)	139	137	130	137	134
12/11/2015	110 (0)	138	162	3 (0)	2	3	113 (0)	139	164	110	137	161
12/18/2015	100 (0)	140	165	6 (0)	1	2	104 (0)	141	166	102	138	163
12/25/2015	115 (0)	143	158	6 (0)	2	2	119 (0)	144	159	117	143	157
1/1/2016	140 (4)	179	180	6 (1)	2	1	144 (5)	180	181	#N/A	178	#N/A
1/8/2016	187 (3)	208	200	1 (0)	3	2	188 (3)	210	201	185	207	#N/A
R squared to EIA Number*	0.9845			0.7520			0.9831			0.9803		

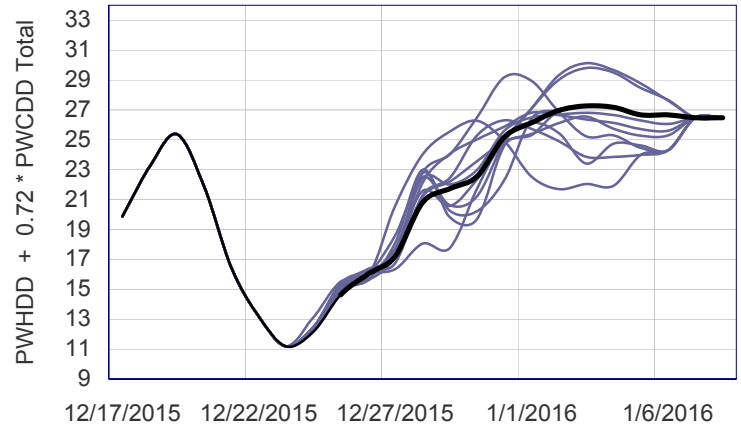
*over last 10 weeks

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	12/25/2015	1/1/2016	1/8/2016
0Z GFS (12/23/15)	120	158	180
6Z GFS (12/22/15)	120	136	175
12Z GFS (12/22/15)	120	149	173
18Z GFS (12/22/15)	121	156	165
0Z GFS ENS (12/23/15)	120	152	184
18Z GFS ENS (12/22/15)	119	145	181
0Z Euro (12/23/15)	120	141	187
12Z Euro (12/22/15)	119	139	188
0Z Euro ENS (12/23/15)	120	145	198
12Z Euro ENS (12/22/15)	120	144	199
Max Total	121	158	199
FW Forecast	119	144	188
Model Average	120	147	183
Min Total	119	136	165



If 1/8/2016 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 Home Heating 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
10/9/2015	41 (0)	56	45	28 (0)	37	34	45 (0)	59	51	47	60	52
10/16/2015	45 (0)	53	47	29 (0)	38	35	52 (0)	57	51	53	55	50
10/23/2015	78 (0)	76	77	51 (0)	49	55	63 (0)	59	64	63	57	62
10/30/2015	79 (0)	64	85	56 (0)	45	66	68 (0)	56	75	64	56	73
11/6/2015	54 (0)	121	125	47 (0)	91	92	58 (0)	95	97	55	90	92
11/13/2015	99 (0)	139	127	82 (0)	110	102	88 (0)	113	105	83	108	101
11/20/2015	104 (0)	240	155	87 (0)	190	123	91 (0)	191	126	88	186	122
11/27/2015	162 (0)	175	161	130 (0)	133	130	134 (0)	136	134	129	129	128
12/4/2015	150 (0)	188	174	136 (0)	142	138	139 (0)	144	140	132	137	135
12/11/2015	145 (0)	195	203	113 (0)	140	167	115 (0)	141	169	110	136	163
12/18/2015	101 (0)	180	212	104 (0)	142	168	108 (0)	143	169	104	138	164
12/25/2015	134 (0)	185	199	119 (0)	146	162	123 (-1)	147	163	118	143	158
1/1/2016	154 (3)	208	219	147 (5)	185	184	151 (5)	186	185	144	181	179
1/8/2016	230 (3)	268	256	191 (3)	215	205	192 (4)	217	206	185	210	199
R squared to EIA Number*	0.9390			0.9882			0.9864			0.9775		

*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
10/9/2015	57 (0)	48	47	36 (0)	45	41	49	42	41
10/16/2015	53 (0)	54	57	36 (0)	45	43	43	46	49
10/23/2015	98 (0)	71	74	63 (0)	58	65	87	64	65
10/30/2015	92 (0)	73	92	67 (0)	56	77	80	64	83
11/6/2015	69 (0)	121	133	56 (0)	103	105	59	111	123
11/13/2015	96 (0)	133	134	93 (0)	124	115	88	123	125
11/20/2015	120 (0)	217	153	100 (0)	207	137	111	210	144
11/27/2015	164 (0)	164	166	146 (0)	150	147	156	156	155
12/4/2015	153 (0)	193	179	150 (0)	163	155	144	181	169
12/11/2015	152 (0)	210	200	126 (0)	161	184	141	199	190
12/18/2015	106 (0)	190	220	116 (0)	158	187	97	180	209
12/25/2015	132 (0)	190	201	134 (0)	162	180	124	182	190
1/1/2016	162 (4)	204	226	163 (5)	202	202	149	194	214
1/8/2016	235 (4)	265	258	209 (3)	235	225	225	252	245

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
10/9/2015	34 (0)	32	31	78 (0)	57	54	46 (0)	40	41	11 (0)	17	16
10/16/2015	32 (0)	32	34	67 (0)	65	73	44 (0)	46	47	11 (0)	9	11
10/23/2015	71 (0)	49	50	115 (0)	75	82	91 (0)	66	66	42 (0)	26	27
10/30/2015	58 (0)	48	62	114 (0)	89	109	80 (0)	62	80	21 (0)	23	33
11/6/2015	44 (0)	93	99	86 (0)	139	147	59 (0)	107	126	18 (0)	68	61
11/13/2015	64 (0)	96	101	108 (0)	142	142	83 (0)	123	127	36 (0)	59	65
11/20/2015	84 (0)	174	116	150 (0)	214	162	103 (0)	211	144	48 (0)	130	77
11/27/2015	124 (0)	122	118	177 (0)	170	183	153 (0)	158	154	83 (0)	77	68
12/4/2015	100 (0)	138	135	175 (0)	210	195	134 (0)	180	168	49 (0)	81	88
12/11/2015	114 (0)	157	147	161 (0)	235	214	147 (0)	200	188	71 (0)	96	92
12/18/2015	66 (0)	151	168	127 (0)	204	240	84 (0)	184	210	32 (0)	107	111
12/25/2015	93 (0)	146	150	146 (-1)	203	218	115 (-1)	184	188	59 (1)	95	96
1/1/2016	98 (0)	148	171	192 (6)	218	247	138 (2)	190	212	35 (-3)	91	114
1/8/2016	181 (2)	193	197	257 (5)	289	280	223 (4)	251	246	121 (0)	113	128

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 Mntns) 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
10/9/2015	42 (0)	73	54	4 (0)	4	9	45 (0)	56	77	7 (0)	4	17
10/16/2015	50 (0)	67	53	1 (0)	6	4	28 (0)	73	84	7 (0)	9	19
10/23/2015	69 (0)	85	91	8 (0)	7	15	70 (0)	65	96	13 (0)	11	22
10/30/2015	88 (0)	69	98	10 (0)	7	25	113 (0)	89	131	18 (0)	20	33
11/6/2015	58 (0)	137	133	10 (0)	46	39	121 (0)	122	137	44 (0)	35	39
11/13/2015	120 (0)	171	139	32 (0)	77	55	173 (0)	210	178	66 (0)	37	59
11/20/2015	111 (0)	285	177	39 (0)	156	79	181 (0)	291	198	69 (0)	68	62
11/27/2015	180 (0)	208	186	73 (0)	70	71	228 (0)	192	210	81 (0)	56	83
12/4/2015	186 (0)	219	194	92 (0)	68	80	280 (0)	177	199	110 (0)	62	79
12/11/2015	155 (0)	207	239	64 (0)	70	115	165 (0)	167	258	62 (0)	45	98
12/18/2015	133 (0)	189	232	60 (0)	72	98	263 (0)	203	227	117 (0)	84	99
12/25/2015	165 (1)	201	227	55 (-1)	103	100	237 (-1)	217	249	106 (-1)	71	100
1/1/2016	201 (7)	252	245	91 (8)	135	131	326 (11)	346	281	138 (4)	137	119
1/8/2016	256 (4)	313	286	142 (5)	161	142	285 (3)	281	277	115 (2)	108	110

Values in parenthesis are the change from the previous report.

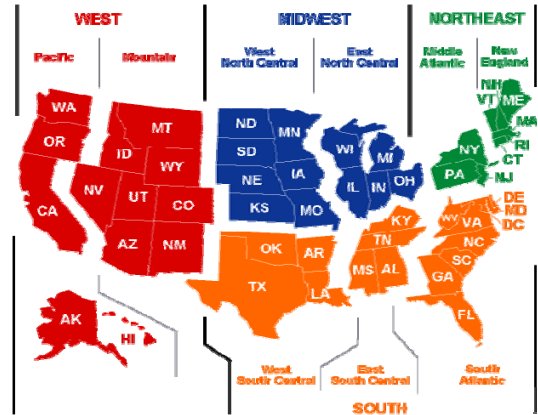
*Excludes AK and HI

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
11/6/2015	67 (0)	117	133	64 (0)	144	142
11/13/2015	91 (0)	129	132	129 (0)	180	147
11/20/2015	117 (0)	213	150	117 (0)	297	187
11/27/2015	160 (0)	163	163	191 (0)	224	199
12/4/2015	146 (0)	191	177	200 (0)	238	206
12/11/2015	151 (0)	212	197	164 (0)	222	254
12/18/2015	96 (0)	191	220	145 (0)	196	245
12/25/2015	125 (0)	190	198	179 (1)	210	241
1/1/2016	156 (4)	199	224	219 (8)	266	257
1/8/2016	234 (4)	264	258	267 (3)	332	302

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
11/6/2015	87 (0)	139	147	60 (0)	109	128	60 (0)	145	144	73 (0)	142	136
11/13/2015	108 (0)	142	142	84 (0)	124	129	131 (0)	170	143	125 (0)	202	155
11/20/2015	150 (0)	214	162	105 (0)	212	146	113 (0)	290	184	125 (0)	314	194
11/27/2015	177 (0)	170	183	153 (0)	160	156	190 (0)	220	191	195 (0)	232	218
12/4/2015	175 (0)	210	195	136 (0)	183	170	188 (0)	228	200	225 (0)	260	219
12/11/2015	161 (0)	235	214	147 (0)	204	191	167 (0)	221	243	157 (0)	224	278
12/18/2015	127 (0)	204	240	85 (0)	187	213	127 (0)	196	242	185 (0)	197	249
12/25/2015	146 (-1)	203	218	117 (0)	185	191	168 (1)	211	233	205 (0)	210	261
1/1/2016	192 (6)	218	247	143 (3)	193	216	198 (6)	249	248	269 (13)	303	278
1/8/2016	257 (5)	289	280	225 (4)	255	250	258 (4)	324	299	288 (3)	350	310

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
11/6/2015	42 (0)	73	68	51 (0)	78	78	32 (0)	98	83	31 (0)	50	45
11/13/2015	56 (0)	82	75	64 (0)	72	80	65 (0)	115	96	38 (0)	79	57
11/20/2015	62 (0)	159	95	70 (0)	144	94	75 (0)	206	120	41 (0)	159	85
11/27/2015	96 (0)	92	87	101 (0)	97	87	114 (0)	118	104	77 (0)	70	79
12/4/2015	84 (0)	91	100	69 (0)	96	103	84 (0)	107	125	108 (0)	75	82
12/11/2015	83 (0)	100	119	89 (0)	111	110	101 (0)	122	143	64 (0)	71	122
12/18/2015	59 (0)	105	121	53 (0)	115	126	64 (0)	151	158	67 (0)	63	96
12/25/2015	75 (0)	113	113	81 (0)	113	111	84 (0)	136	139	61 (-1)	102	103
1/1/2016	78 (3)	127	136	61 (-2)	109	128	79 (0)	156	167	106 (11)	140	132
1/8/2016	144 (3)	156	152	133 (0)	137	145	182 (2)	189	193	142 (7)	169	142

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
11/6/2015	64 (0)	56	62	89 (0)	86	94	53 (0)	41	47
11/13/2015	85 (0)	73	83	120 (0)	129	122	69 (0)	48	65
11/20/2015	89 (0)	107	87	128 (0)	183	127	72 (0)	72	68
11/27/2015	109 (0)	82	106	147 (0)	136	146	91 (0)	57	88
12/4/2015	138 (0)	83	101	202 (0)	115	138	109 (0)	68	83
12/11/2015	81 (0)	66	126	116 (0)	108	180	65 (0)	47	100
12/18/2015	142 (0)	105	122	203 (0)	148	164	114 (0)	85	103
12/25/2015	128 (-1)	97	126	175 (-1)	161	180	107 (-2)	68	101
1/1/2016	171 (6)	173	147	245 (9)	257	209	136 (4)	134	119
1/8/2016	145 (3)	140	139	209 (5)	206	201	116 (1)	109	111

Values in parenthesis are the change from the previous report.

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

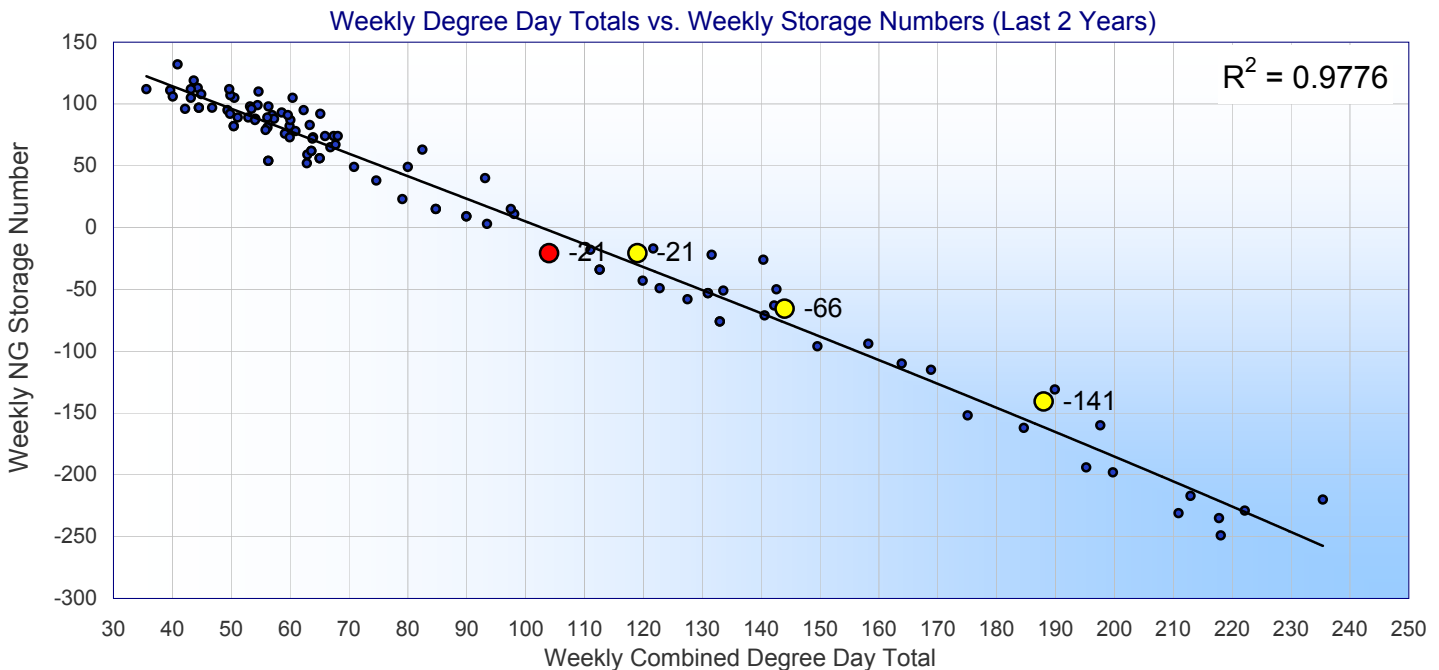
Week Ending	Weekly Degree Day Totals ¹			Gas Storage Levels (BCF)				Gas Storage Build/Draw		
	This Year	Last Year	5yr Avg	This Year	Last Year	5yr Avg	TY-5YR	This Year	Last Year	5yr Avg
9/11/2015	66 (0)	53	51	3336	2877	3209	127	74	89	76
9/18/2015	43 (0)	56	49	3441	2974	3292	149	105	97	83
9/25/2015	42 (0)	41	46	3537	3083	3385	152	96	109	93
10/2/2015	47 (0)	38	42	3634	3190	3478	156	97	107	93
10/9/2015	44 (0)	57	51	3731	3285	3565	166	97	95	87
10/16/2015	50 (0)	54	49	3813	3379	3651	162	82	94	86
10/23/2015	64 (0)	56	62	3875	3468	3724	151	62	89	73
10/30/2015	65 (0)	55	73	3931	3558	3782	149	56	90	58
11/6/2015	56 (0)	92	95	3985	3605	3805	180	54	47	23
11/13/2015	85 (0)	110	103	4000	3596	3793	207	15	-9	-12
11/20/2015	90 (0)	187	123	4009	3455	3757	252	9	-141	-36
11/27/2015	131 (0)	131	130	3956	3413	3709	247	-53	-42	-48
12/4/2015	133 (0)	139	137	3880	3366	3644	236	-76	-47	-65
12/11/2015	113 (0)	139	164	3846	3305	3524	322	-34	-61	-120
12/18/2015	104 (0)	140	166	3825	3253	3403	422	-21	-52	-121
12/25/2015	119 (0)	144	159	3805	3224	3308	497	-21	-29	-95
1/1/2016	144 (5)	181	181	3739	3108	3179	560	-66	-116	-129
1/8/2016	188 (3)	210	201	3598	2888	3001	597	-141	-220	-177

Values in parenthesis are the change from the previous report.

Week Ending	Weekly Degree Day Totals				Storage Number Forecast Based On:			
	Model Min	Model Avg	Forecast	Model Max	Model Min	Model Avg	Forecast	Model Max
12/25/2015	119	120	119	121	-21	-22	-21	-23
1/1/2016	136	147	144	158	-51	-70	-66	-92
1/8/2016	165	183	188	199	-98	-133	-141	-163

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: **8.72 BCF**



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
10/16/2015	48	59	54	59	50	52	45	40	37
10/23/2015	78	69	60	46	43	54	34	30	38
10/30/2015	76	62	68	59	53	66	33	34	50
11/6/2015	58	112	81	67	67	72	34	59	52
11/13/2015	93	124	100	89	89	93	47	88	67
11/20/2015	99	216	117	95	128	100	51	168	93
11/27/2015	147	157	132	121	100	120	86	82	88
12/4/2015	133	168	128	149	107	116	109	83	93
12/11/2015	132	177	162	90	84	143	73	83	130
12/18/2015	92	165	148	150	116	138	77	83	110
12/25/2015	122	168	153	141	108	141	73	112	115
1/1/2016	136	186	162	183	189	163	113	150	143
1/8/2016	207	238	174	160	163	159	155	176	154

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
10/16/2015	47	55	50	899	856	910	-11	19	19	17
10/23/2015	82	60	63	905	874	923	-18	6	18	13
10/30/2015	71	58	74	916	892	933	-17	11	18	10
11/6/2015	59	101	108	929	895	932	-3	13	3	-1
11/13/2015	81	105	108	934	892	926	8	5	-3	-6
11/20/2015	94	187	126	935	858	916	19	1	-34	-10
11/27/2015	133	135	128	919	841	903	16	-16	-17	-13
12/4/2015	112	146	143	910	822	886	24	-9	-19	-17
12/11/2015	123	164	158	894	796	855	39	-16	-26	-31
12/18/2015	76	155	176	901	778	821	80	7	-18	-34
12/25/2015	106	155	158	898	767	791	107	-3	-11	-30
1/1/2016	111	160	179	893	741	756	137	-5	-26	-35
1/8/2016	187	206	206	857	692	711	146	-36	-49	-44

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
10/16/2015	54	71	57	1046	998	1052	-6	30	29	28
10/23/2015	74	92	95	1072	1021	1073	-1	26	23	21
10/30/2015	89	74	101	1097	1047	1091	6	25	26	18
11/6/2015	59	141	135	1117	1056	1096	21	20	9	5
11/13/2015	121	174	141	1124	1051	1091	33	7	-5	-5
11/20/2015	113	288	180	1127	1008	1076	51	3	-43	-15
11/27/2015	184	214	189	1109	983	1053	56	-18	-25	-23
12/4/2015	185	227	197	1083	955	1027	56	-26	-28	-26
12/11/2015	156	212	243	1066	927	987	79	-17	-28	-40
12/18/2015	134	193	236	1065	905	945	120	-1	-22	-42
12/25/2015	167	202	230	1057	887	908	149	-7	-18	-37
1/1/2016	201	252	248	1037	854	866	172	-20	-33	-42
1/8/2016	257	319	293	998	785	809	190	-39	-69	-57

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
10/16/2015	56	71	71	213	184	209	4	3	4	3
10/23/2015	61	63	79	216	187	211	5	3	3	2
10/30/2015	88	75	97	216	189	213	3	0	2	2
11/6/2015	89	95	102	217	191	214	3	1	2	1
11/13/2015	124	142	130	214	185	213	1	-3	-6	-1
11/20/2015	132	203	140	214	178	211	3	0	-7	-2
11/27/2015	158	152	160	211	176	209	2	-3	-2	-2
12/4/2015	209	138	153	203	173	205	-2	-8	-3	-4
12/11/2015	123	125	197	203	170	199	4	0	-3	-6
12/18/2015	208	158	178	195	166	193	2	-8	-4	-6
12/25/2015	186	170	196	190	163	187	3	-5	-3	-6
1/1/2016	256	270	222	180	154	180	0	-10	-9	-7
1/8/2016	222	229	218	173	143	171	1	-7	-11	-8

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
10/16/2015	56	34	39	367	334	347	20	0	7	6
10/23/2015	32	25	35	373	339	351	22	6	5	4
10/30/2015	38	34	42	377	345	355	22	4	6	4
11/6/2015	52	41	47	382	349	358	24	5	4	3
11/13/2015	69	48	65	381	349	358	23	-1	0	0
11/20/2015	71	71	68	381	339	355	26	0	-10	-3
11/27/2015	91	57	88	375	338	351	24	-6	-1	-4
12/4/2015	109	68	83	361	334	343	18	-14	-4	-8
12/11/2015	65	47	100	361	336	332	29	0	2	-11
12/18/2015	114	85	103	344	333	320	24	-17	-3	-12
12/25/2015	107	68	101	333	335	313	20	-11	2	-7
1/1/2016	136	134	119	312	315	302	11	-21	-20	-11
1/8/2016	116	109	110	299	295	284	14	-13	-20	-17

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
10/16/2015	46	40	37	1288	1009	1133	155	30	38	32
10/23/2015	34	30	38	1309	1047	1164	145	21	38	31
10/30/2015	32	34	49	1325	1085	1190	135	16	38	26
11/6/2015	32	58	51	1340	1115	1205	135	15	30	15
11/13/2015	44	87	65	1347	1119	1205	142	7	4	0
11/20/2015	47	168	91	1352	1073	1199	153	5	-46	-6
11/27/2015	84	79	85	1342	1074	1193	149	-10	1	-6
12/4/2015	106	82	91	1323	1082	1183	140	-19	8	-10
12/11/2015	70	82	128	1322	1074	1152	170	-1	-8	-31
12/18/2015	71	80	107	1321	1070	1124	197	-1	-4	-28
12/25/2015	69	109	112	1345	1072	1108	237	24	2	-16
1/1/2016	108	146	140	1328	1045	1077	251	-17	-27	-31
1/8/2016	152	175	152	1273	971	1026	247	-54	-74	-51

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 12/18/2015 Comparisons

Week Ending	Pop Wtd Tot DDs	Storage Number	Holiday Week?
12/18/2015	104	-21*	No
3/27/2015	104	-18	No
11/9/2012	105	-18	No
11/25/2011	103	-3	Yes
11/23/2012	100	3	Yes
4/5/2013	100	-13	No
11/4/2011	98	37	No
11/16/2012	110	-37	Yes
11/22/2013	98	-14	No
11/11/2011	96	14	Yes
3/13/2015	115	-43	No
3/9/2012	116	-64	No
Average	104	-14	w/ Holiday
Average	105	-19	wo/ Holiday
Avg Best	106	-28	

Week Ending 12/25/2015 Comparisons

Week Ending	Pop Wtd Tot DDs	Storage Number	Holiday Week?
12/25/2015	119	-21*	No
11/14/2014	119	-17	Yes
11/15/2013	118	-45	Yes
3/14/2014	121	-49	No
12/2/2011	116	-20	No
3/9/2012	116	-64	No
3/13/2015	115	-43	No
3/15/2013	123	-62	No
3/21/2014	125	-58	No
11/27/2015	127	-53	No
11/16/2012	110	-37	Yes
2/3/2012	128	-78	No
Average	120	-48	w/ Holiday
Average	121	-53	wo/ Holiday
Avg Best	122	-58	

Week Ending 1/1/2016 Comparisons

Week Ending	Pop Wtd Tot DDs	Storage Number	Holiday Week?
1/1/2016	144	-66*	No
1/13/2012	145	-87	No
12/19/2014	142	-50	No
12/23/2011	146	-80	No
12/12/2014	141	-63	No
2/21/2014	147	-96	Yes
11/30/2012	141	-72	No
1/17/2014	148	-105	No
12/26/2014	139	-26	Yes
1/27/2012	149	-132	No
3/22/2013	138	-95	No
3/28/2014	138	-71	No
Average	143	-80	w/ Holiday
Average	143	-84	wo/ Holiday
Avg Best	141	-77	

Week Ending 1/8/2016 Comparisons

Week Ending	Pop Wtd Tot DDs	Storage Number	Holiday Week?
1/8/2016	188	-141*	No
1/2/2015	188	-131	Yes
1/20/2012	189	-192	Yes
1/25/2013	192	-194	Yes
11/21/2014	183	-162	No
3/7/2014	194	-194	No
12/28/2012	182	-136	Yes
1/3/2014	196	-158	Yes
11/29/2013	179	-162	Yes
2/22/2013	179	-171	Yes
2/6/2015	197	-160	No
3/6/2015	197	-198	No
Average	189	-169	w/ Holiday
Average	193	-179	wo/ Holiday
Avg Best	193	-179	

*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.

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

Date	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
11/23/2015	28.7	25.6	0.3	28.9	30.8	30.2	0.0	30.8	19.7	18.4	0.5	20.0	8.6	10.4	0.7	9.1	17.2	17.2	0.0	17.2
11/24/2015	25.5	22.6	0.3	25.7	27.5	26.6	0.0	27.5	17.7	16.6	0.2	17.8	10.6	12.0	0.0	10.6	11.8	11.7	0.2	12.0
11/25/2015	21.9	19.3	0.9	22.5	19.9	19.3	0.0	19.9	21.2	19.8	0.1	21.3	15.2	16.4	0.0	15.2	3.2	3.2	1.5	4.3
11/26/2015	14.1	12.4	1.2	15.0	13.5	13.0	0.1	13.6	31.1	29.1	0.0	31.1	16.7	17.9	0.0	16.7	4.0	3.1	4.0	6.9
11/27/2015	10.4	8.9	1.3	11.3	21.3	20.2	0.0	21.3	36.8	34.7	0.0	36.8	15.9	17.1	0.0	15.9	10.5	8.7	2.6	12.3
11/28/2015	13.2	11.1	1.1	14.0	29.2	27.6	0.0	29.2	35.4	33.6	0.0	35.4	17.2	18.5	0.0	17.2	16.6	15.3	0.8	17.2
11/29/2015	19.6	16.0	0.9	20.2	29.9	28.6	0.0	29.9	34.1	32.4	0.0	34.1	17.0	18.5	0.0	17.0	17.1	16.0	0.7	17.6
11/30/2015	22.6	19.1	1.2	23.5	25.0	24.0	0.0	25.0	34.6	33.0	0.0	34.6	18.4	19.9	0.0	18.4	14.1	13.0	0.9	14.7
12/1/2015	16.8	14.9	1.4	17.8	24.4	23.5	0.0	24.4	31.9	30.6	0.0	31.9	14.3	15.4	0.0	14.3	14.7	13.7	0.5	15.1
12/2/2015	15.3	12.8	1.6	16.4	29.2	28.4	0.0	29.2	29.2	27.9	0.0	29.2	10.6	11.8	0.0	10.6	15.3	14.6	0.0	15.3
12/3/2015	20.3	17.8	0.8	20.8	30.0	29.7	0.0	30.0	25.5	24.1	0.0	25.5	9.2	9.9	0.2	9.3	18.1	17.6	0.0	18.1
12/4/2015	22.9	20.0	0.7	23.4	26.4	26.3	0.0	26.4	22.2	20.9	0.0	22.2	11.6	12.3	0.0	11.6	17.0	16.6	0.0	17.0
12/5/2015	22.9	19.9	1.0	23.6	26.8	26.4	0.0	26.8	23.0	21.4	0.0	23.0	11.2	12.0	0.0	11.2	15.2	14.9	0.0	15.2
12/6/2015	22.5	19.4	1.1	23.2	26.4	25.8	0.0	26.4	22.1	20.6	0.0	22.1	7.1	7.9	0.6	7.5	12.0	11.4	0.1	12.0
12/7/2015	20.0	17.4	0.4	20.3	27.0	26.1	0.0	27.0	19.1	17.6	0.0	19.1	7.0	7.7	0.6	7.5	12.1	11.5	0.1	12.1
12/8/2015	21.8	19.1	0.3	22.0	22.3	21.8	0.0	22.3	16.6	15.6	0.0	16.6	6.2	6.5	0.8	6.7	10.3	9.9	0.1	10.4
12/9/2015	19.7	17.2	0.9	20.3	19.1	18.6	0.0	19.1	14.4	13.7	0.0	14.4	6.0	6.8	0.0	6.0	7.1	6.7	0.2	7.3
12/10/2015	13.2	11.5	0.9	13.9	16.5	16.1	0.0	16.5	15.4	14.5	0.0	15.4	8.8	9.7	0.0	8.8	4.6	4.1	0.6	5.0
12/11/2015	11.5	9.9	0.8	12.1	17.4	16.4	0.1	17.5	20.2	19.1	0.0	20.2	12.0	12.8	0.0	12.0	3.3	2.7	3.5	5.9
12/12/2015	7.7	6.8	1.1	8.5	12.3	11.3	0.3	12.5	27.1	25.7	0.0	27.1	13.1	13.8	0.0	13.1	2.3	1.8	5.7	6.4
12/13/2015	6.9	6.3	1.4	7.9	9.9	9.3	0.1	10.0	27.1	26.1	0.0	27.1	13.4	14.1	0.0	13.4	5.5	4.8	0.7	6.0
12/14/2015	6.8	5.8	1.9	8.1	14.9	14.3	0.0	14.9	29.2	28.2	0.0	29.2	16.6	17.4	0.0	16.6	9.8	8.9	0.0	9.8
12/15/2015	10.5	8.9	1.4	11.5	22.6	21.8	0.0	22.6	34.5	33.1	0.0	34.5	18.4	19.2	0.0	18.4	8.0	7.4	0.3	8.2
12/16/2015	16.1	14.0	1.5	17.2	21.1	20.5	0.0	21.1	35.9	34.5	0.0	35.9	19.1	19.8	0.0	19.1	13.1	12.1	0.4	13.4
12/17/2015	14.5	12.4	1.9	15.9	30.7	30.1	0.0	30.7	38.8	36.8	0.0	38.8	15.7	16.5	0.0	15.7	18.9	17.8	0.0	18.9
12/18/2015	22.5	19.4	0.7	23.0	36.8	36.3	0.0	36.8	30.0	28.7	0.0	30.0	13.2	13.9	0.0	13.2	22.5	21.8	0.0	22.5
12/19/2015	29.3	26.2	0.2	29.4	37.9	36.9	0.0	37.9	25.8	24.8	0.0	25.8	15.1	15.9	0.0	15.1	18.1	17.7	0.0	18.1
12/20/2015	27.7	24.5	0.5	28.1	27.1	26.6	0.0	27.1	25.3	24.4	0.0	25.3	16.6	17.2	0.0	16.6	11.0	10.9	0.2	11.1
12/21/2015	18.6	16.4	1.1	19.4	20.1	19.6	0.0	20.1	26.7	25.7	0.0	26.7	14.0	14.9	0.0	14.0	7.3	6.2	1.1	8.1
12/22/2015	10.3	9.1	1.7	11.6	22.5	21.2	0.0	22.5	24.9	24.2	0.0	24.9	9.8	11.3	0.0	9.8	7.1	6.0	0.7	7.6
12/23/2015	7.5	6.4	2.2	9.1	14.1	13.1	0.3	14.3	28.3	26.7	0.0	28.3	13.1	14.2	0.0	13.1	3.9	2.9	3.3	6.3
12/24/2015	3.3	2.7	3.7	6.0	20.5	19.2	0.1	20.5	31.5	29.5	0.0	31.5	15.6	16.8	0.0	15.6	6.7	5.4	2.3	8.3
12/25/2015	7.8	6.2	2.8	9.8	24.4	22.9	0.1	24.5	33.8	32.3	0.0	33.8	18.4	19.5	0.0	18.4	5.6	4.4	3.7	8.3
12/26/2015	11.8	9.7	2.2	13.4	20.6	19.0	0.3	20.8	39.8	38.3	0.0	39.8	20.6	21.7	0.0	20.6	4.7	3.6	4.6	8.0
12/27/2015	10.8	8.9	1.9	12.2	26.4	24.7	0.1	26.5	41.4	39.7	0.0	41.4	20.2	21.1	0.0	20.2	11.0	9.5	1.5	12.0
12/28/2015	18.1	14.9	1.6	19.2	29.8	28.2	0.0	29.8	39.3	37.7	0.0	39.3	19.3	20.3	0.0	19.3	16.7	15.5	0.1	16.8
12/29/2015	19.1	16.1	1.4	20.1	30.2	29.3	0.0	30.2	37.3	35.8	0.0	37.3	18.3	19.3	0.0	18.3	20.6	19.3	0.0	20.6
12/30/2015	19.7	16.7	1.2	20.6	34.2	33.3	0.0	34.2	37.7	36.0	0.0	37.7	17.1	18.1	0.0	17.1	21.2	19.9	0.0	21.2
12/31/2015	25.4	21.8	0.9	26.1	37.3	36.4	0.0	37.3	37.3	35.4	0.0	37.3	16.2	17.3	0.0	16.2	22.1	21.0	0.0	22.1
1/1/2016	27.9	24.2	0.5	28.3	37.5	36.7	0.0	37.5	36.1	34.2	0.0	36.1	16.0	17.1	0.0	16.0	22.6	21.6	0.0	22.6
1/2/2016	30.0	26.3	0.2	30.1	37.8	37.2	0.0	37.8	34.6	32.9	0.0	34.6	15.7	16.8	0.0	15.7	23.4	22.4	0.0	23.4
1/3/2016	30.6	27.0	0.2	30.7	38.2	37.7	0.0	38.2	33.5	31.9	0.0	33.5	15.6	16.6	0.0	15.6	23.8	22.9	0.0	23.8
1/4/2016	30.7	27.2	0.1	30.8	37.6	37.1	0.0	37.6	32.6	31.0	0.0	32.6	15.5	16.5	0.0	15.5	23.6	22.7	0.0	23.6
1/5/2016	30.3	26.8	0.1	30.4	36.9	36.3	0.0	36.9	32.9	31.4	0.0	32.9	15.4	16.5	0.0	15.4	22.0	21.1	0.0	22.0
1/6/2016	30.2	26.5	0.2	30.3	37.3	36.6	0.0	37.3	33.2	31.6	0.0	33.2	15.5	16.6	0.0	15.5	22.2	21.3	0.0	22.2

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

Red numbers correspond to file locations on last page.

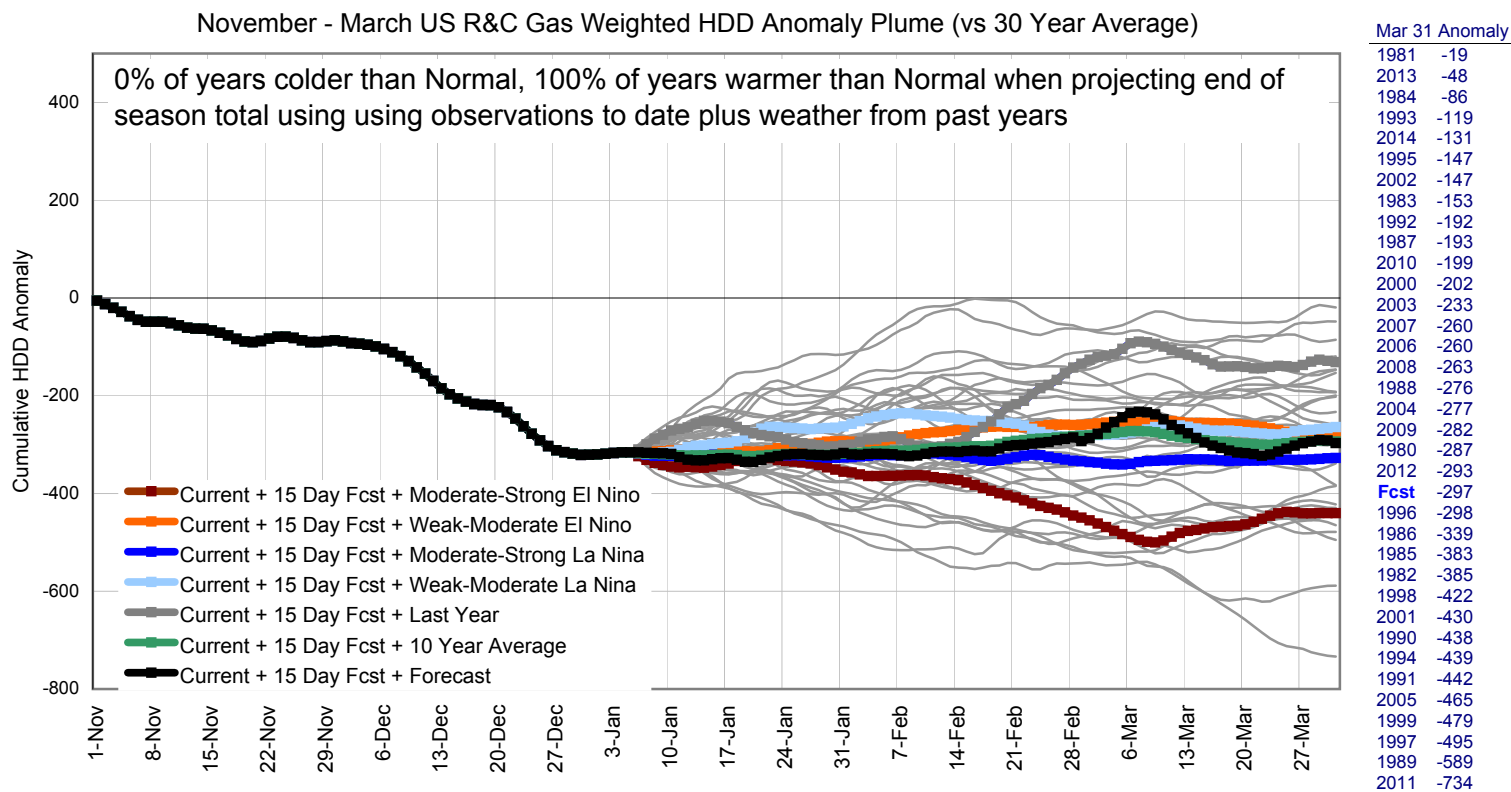
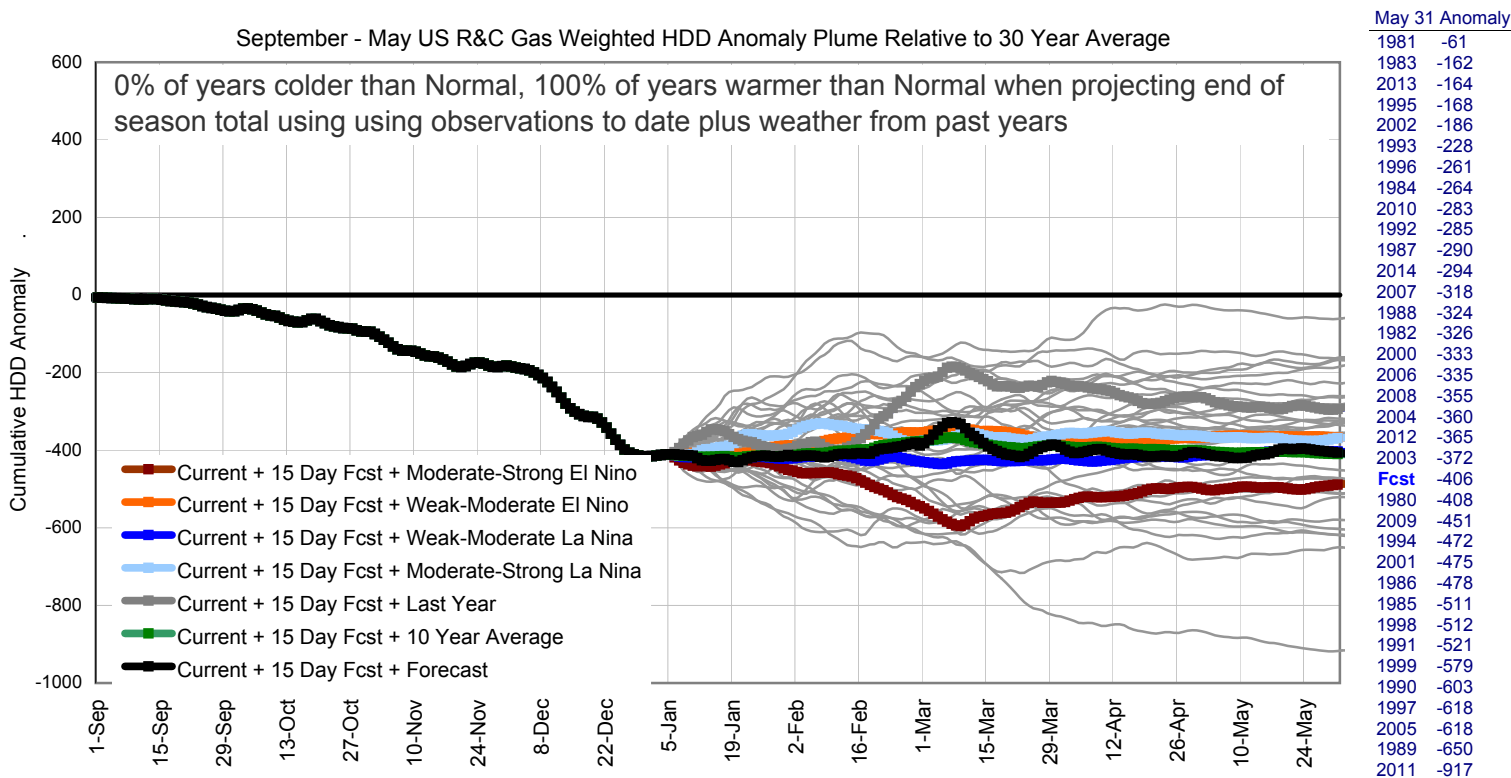
Daily Regional (Old EIA Regions) and U.S. Degree Day Totals

Date	EIA East DDs 10				EIA West DDs 10				EIA Producing 10				Total U.S. DDs 1				Heat	Pro 6
	GW	PW	PW	CMB	GW	PW	PW	CMB	GW	PW	PW	CMB	GW	PW	PW	CMB	Oil 6	pane
	HDD	HDD	CDD		HDD	HDD	CDD		HDD	HDD	CDD		HDD	HDD	CDD		HDDs	HDDs
11/23/2015	29.5	26.9	0.2	29.6	13.2	14.0	0.6	13.7	17.4	17.3	0.0	17.4	23.0	22.3	0.3	23.2	29.8	24.4
11/24/2015	26.2	23.7	0.2	26.3	14.0	14.5	0.1	14.0	12.1	11.9	0.2	12.3	20.6	19.6	0.2	20.7	28.7	22.0
11/25/2015	20.9	19.2	0.6	21.3	17.9	18.2	0.0	17.9	3.8	3.6	1.4	4.8	17.6	16.4	0.6	18.0	25.9	19.1
11/26/2015	13.3	12.2	0.9	14.0	22.7	22.7	0.0	22.7	4.4	3.4	3.8	7.1	14.8	13.3	1.1	15.6	18.4	15.7
11/27/2015	14.2	11.9	0.9	14.8	24.1	24.2	0.0	24.1	11.3	9.4	2.5	13.1	16.7	14.5	0.9	17.3	13.1	17.2
11/28/2015	19.3	15.8	0.7	19.8	24.5	24.7	0.0	24.5	17.2	15.8	0.7	17.7	20.5	18.0	0.6	20.9	17.1	21.1
11/29/2015	23.5	19.7	0.6	23.9	23.9	24.3	0.0	23.9	17.2	16.1	0.6	17.6	22.7	20.2	0.5	23.1	25.4	23.3
11/30/2015	23.4	20.4	0.9	24.0	24.4	24.9	0.0	24.4	14.8	13.5	0.8	15.4	22.5	20.4	0.6	22.9	28.9	23.5
12/1/2015	19.7	17.3	1.0	20.4	20.9	21.1	0.0	20.9	15.5	14.3	0.4	15.7	19.4	17.8	0.7	19.9	23.3	20.8
12/2/2015	20.7	17.5	1.1	21.5	17.6	17.9	0.0	17.6	16.1	15.1	0.0	16.1	19.1	17.2	0.7	19.6	18.7	20.1
12/3/2015	23.9	21.3	0.6	24.4	15.8	15.7	0.1	15.8	18.5	17.9	0.0	18.5	20.8	19.4	0.4	21.1	21.0	21.7
12/4/2015	24.1	21.8	0.5	24.5	16.0	16.0	0.0	16.0	17.3	16.9	0.0	17.3	20.8	19.6	0.3	21.0	23.7	21.6
12/5/2015	24.5	21.9	0.7	25.0	15.8	15.7	0.0	15.8	15.4	15.0	0.0	15.4	20.6	19.3	0.4	20.9	23.8	21.3
12/6/2015	23.9	21.2	0.8	24.4	12.9	12.9	0.4	13.2	12.6	11.9	0.1	12.7	19.1	17.7	0.6	19.5	24.3	20.3
12/7/2015	22.8	20.0	0.3	23.0	11.9	11.8	0.4	12.1	12.6	11.9	0.1	12.7	18.1	16.7	0.3	18.3	22.2	19.2
12/8/2015	21.7	19.7	0.2	21.8	10.7	10.5	0.5	11.1	11.0	10.4	0.1	11.0	17.0	16.0	0.3	17.2	24.5	18.3
12/9/2015	19.1	17.4	0.6	19.6	9.8	10.1	0.0	9.8	7.6	7.1	0.2	7.7	14.8	14.0	0.4	15.1	22.7	16.1
12/10/2015	14.3	12.7	0.6	14.7	11.8	12.0	0.0	11.8	5.2	4.6	0.6	5.6	12.3	11.2	0.5	12.6	14.8	13.3
12/11/2015	13.6	11.6	0.6	14.0	15.8	15.9	0.0	15.8	3.8	3.0	3.3	6.2	12.8	11.3	0.9	13.5	15.2	13.5
12/12/2015	9.2	7.9	0.9	9.8	18.3	18.3	0.0	18.3	3.4	2.6	5.5	7.4	11.0	9.6	1.4	12.0	12.4	11.8
12/13/2015	7.6	6.9	1.0	8.4	18.2	18.3	0.0	18.2	7.1	6.0	0.6	7.5	10.7	9.5	0.7	11.2	11.6	11.6
12/14/2015	9.6	8.1	1.3	10.6	21.2	21.4	0.0	21.2	10.8	9.7	0.0	10.8	13.2	11.6	0.8	13.8	10.9	13.6
12/15/2015	15.1	12.6	0.9	15.7	24.3	24.3	0.0	24.3	9.4	8.4	0.2	9.5	17.0	14.8	0.6	17.4	12.9	17.4
12/16/2015	17.8	15.8	1.0	18.5	25.1	25.0	0.0	25.1	14.5	13.0	0.4	14.7	19.4	17.6	0.7	19.9	20.7	20.1
12/17/2015	20.7	17.6	1.3	21.6	24.4	24.3	0.0	24.4	19.8	18.4	0.0	19.8	21.6	19.3	0.8	22.2	18.0	22.1
12/18/2015	27.7	24.2	0.5	28.1	20.5	20.5	0.0	20.5	22.9	22.1	0.0	22.9	24.9	23.0	0.3	25.1	22.9	25.7
12/19/2015	32.3	29.1	0.1	32.4	20.3	20.5	0.0	20.3	18.6	18.1	0.0	18.6	26.9	25.3	0.1	27.0	30.2	28.1
12/20/2015	27.2	25.0	0.3	27.4	20.4	20.5	0.0	20.4	11.5	11.2	0.2	11.6	23.0	21.7	0.2	23.1	29.6	24.4
12/21/2015	18.9	17.1	0.8	19.4	19.1	19.3	0.0	19.1	8.2	6.9	1.0	8.9	17.4	16.0	0.6	17.9	21.9	18.8
12/22/2015	14.9	12.5	1.2	15.8	15.8	16.5	0.0	15.8	8.0	6.7	0.7	8.5	14.2	12.6	0.8	14.8	14.1	15.5
12/23/2015	9.7	8.1	1.6	10.8	18.9	19.1	0.0	18.9	4.9	3.7	3.2	7.2	11.7	10.1	1.5	12.8	12.7	12.7
12/24/2015	9.7	7.3	2.6	11.5	22.1	22.1	0.0	22.1	7.7	6.2	2.2	9.3	13.0	10.8	1.9	14.4	6.1	13.4
12/25/2015	14.0	11.0	2.0	15.5	24.7	24.9	0.0	24.7	6.6	5.1	3.6	9.1	16.1	13.4	1.7	17.3	11.8	16.7
12/26/2015	14.8	12.1	1.7	16.0	27.8	28.0	0.0	27.8	6.3	4.7	4.4	9.4	17.4	14.8	1.7	18.6	18.0	18.0
12/27/2015	16.5	13.2	1.4	17.5	28.5	28.5	0.0	28.5	12.5	10.6	1.4	13.5	19.4	16.5	1.0	20.1	16.7	19.9
12/28/2015	22.3	18.5	1.1	23.0	27.1	27.2	0.0	27.1	18.0	16.4	0.1	18.1	23.1	20.3	0.7	23.6	25.0	23.7
12/29/2015	23.2	19.8	1.0	23.9	25.5	25.6	0.0	25.5	21.6	20.1	0.0	21.6	23.7	21.3	0.6	24.1	25.9	24.5
12/30/2015	25.2	21.5	0.8	25.7	25.0	25.1	0.0	25.0	22.2	20.7	0.0	22.2	24.7	22.2	0.5	25.1	24.4	25.5
12/31/2015	29.8	25.9	0.6	30.2	24.5	24.6	0.0	24.5	23.1	21.7	0.0	23.1	27.3	24.9	0.4	27.6	29.9	28.3
1/1/2016	31.4	27.8	0.4	31.7	23.9	24.0	0.0	23.9	23.5	22.2	0.0	23.5	28.1	26.0	0.2	28.2	32.3	29.3
1/2/2016	32.8	29.4	0.2	33.0	23.3	23.4	0.0	23.3	24.1	23.0	0.0	24.1	28.8	26.9	0.1	28.9	33.7	30.0
1/3/2016	33.4	30.0	0.1	33.4	22.8	22.9	0.0	22.8	24.3	23.3	0.0	24.3	29.0	27.2	0.1	29.1	33.8	30.2
1/4/2016	33.2	30.0	0.1	33.3	22.4	22.5	0.0	22.4	24.1	23.1	0.0	24.1	28.8	27.1	0.1	28.8	33.8	30.1
1/5/2016	32.7	29.5	0.1	32.7	22.5	22.7	0.0	22.5	22.6	21.6	0.0	22.6	28.3	26.6	0.1	28.3	33.5	29.6
1/6/2016	32.7	29.4	0.1	32.8	22.7	22.9	0.0	22.7	22.7	21.7	0.0	22.7	28.4	26.6	0.1	28.5	33.5	29.7

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

Red numbers correspond to file locations on last page.

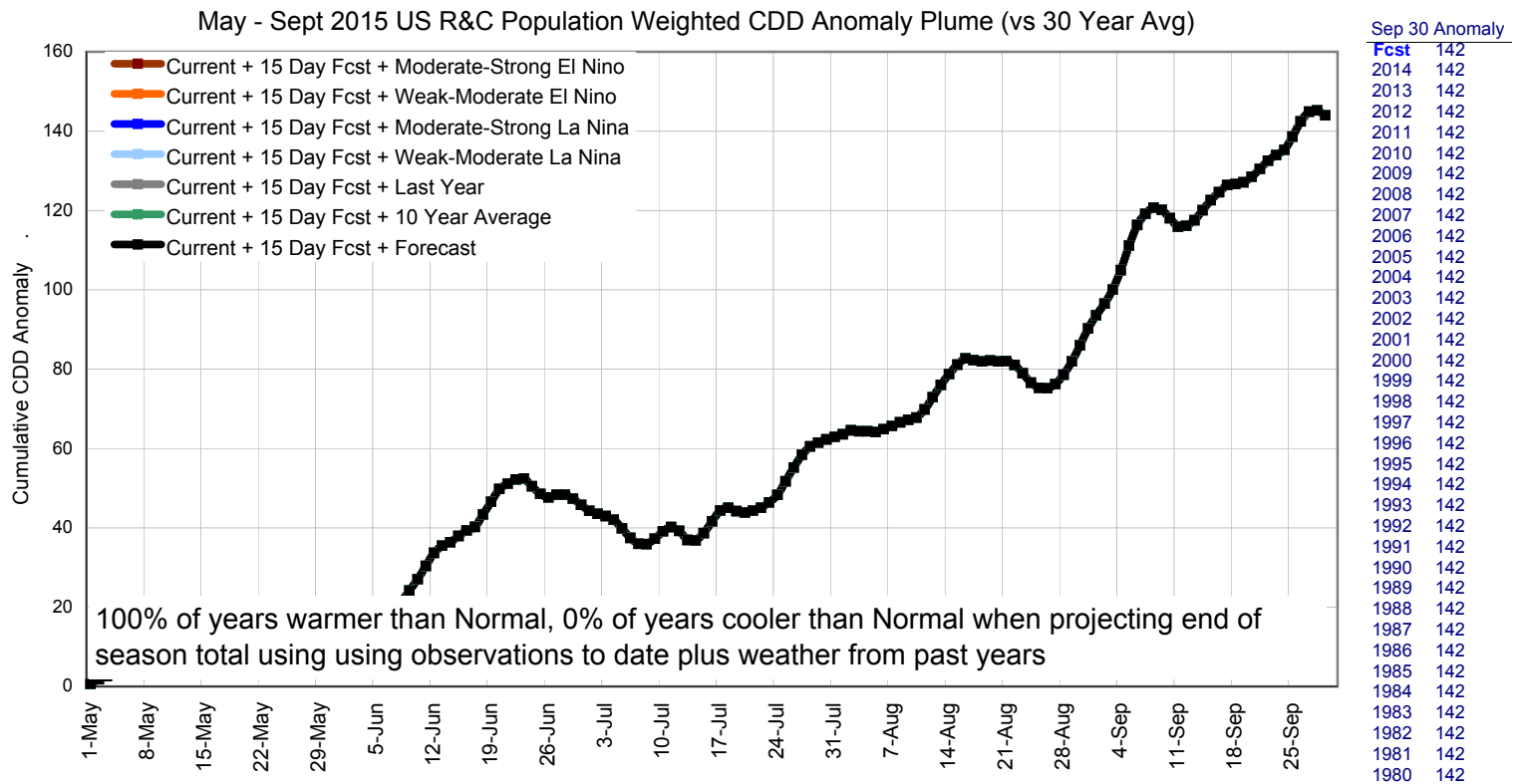
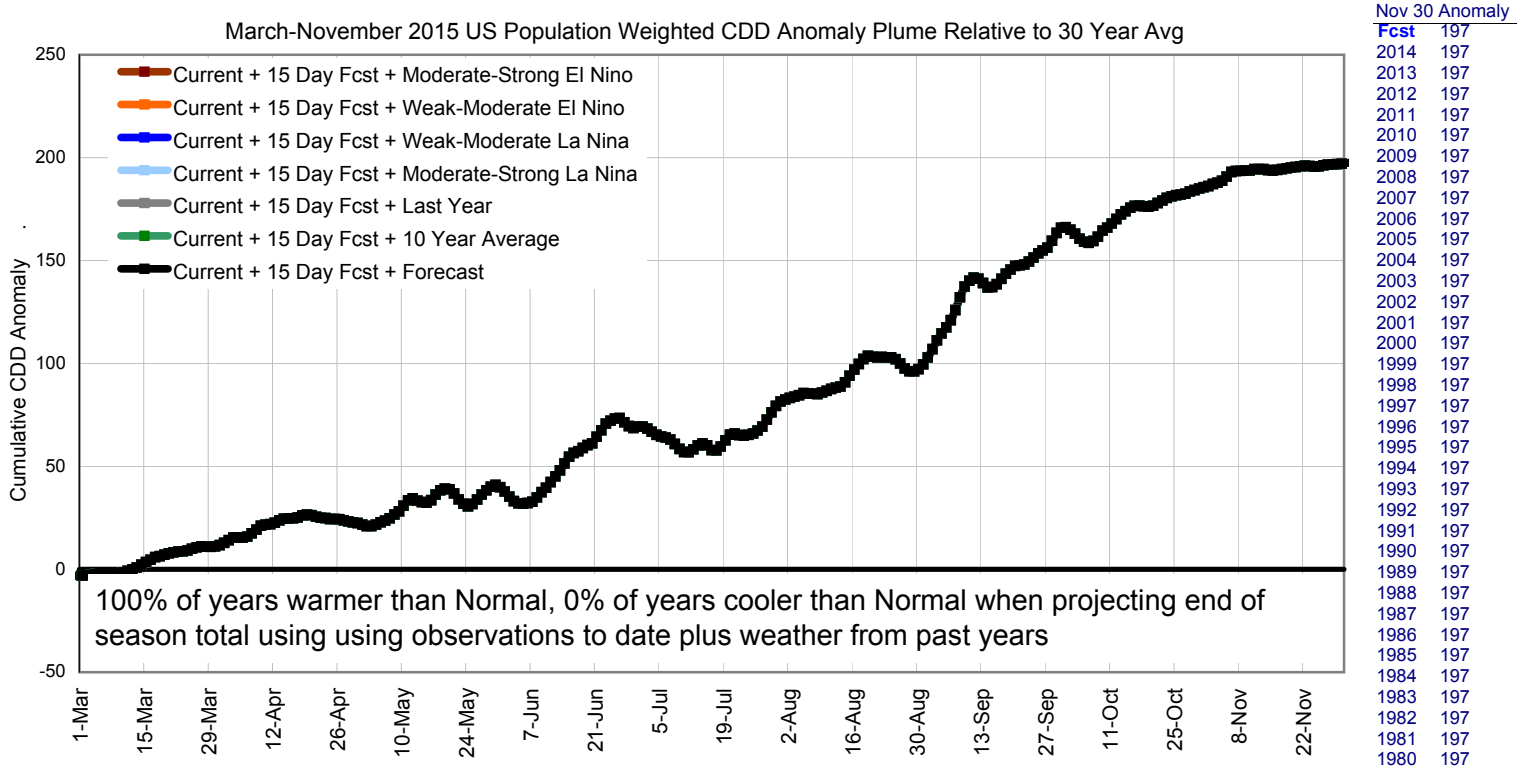
Seasonal HDD Projections Using Season-to-Date + 15 Day Forecast + Last 35 Years of Observed Data



Seasonal Gas Weighted HDD Anomaly Plume Summary

	Sep-May	Nov-Mar	Dec-Feb		Sep-May	Nov-Mar	Dec-Feb
Current + Coldest Year	-55	-19	31	Current + Mod-Strg El Nino Avg	-482	-440	-358
Current + Forecast	-400	-297	-199	Current + Weak-Mod El Nino Avg	-361	-277	-173
Current + 10 Year Avg	-404	-294	-196	Current + Mod-Strg La Nina Avg	-397	-327	-246
Current + Last Year	-288	-131	-56	Current + Weak-Mod La Nina Avg	-362	-264	-196
Current + Warmest Year	-911	-734	-456	Current + Average All Years	-381	-297	-215

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

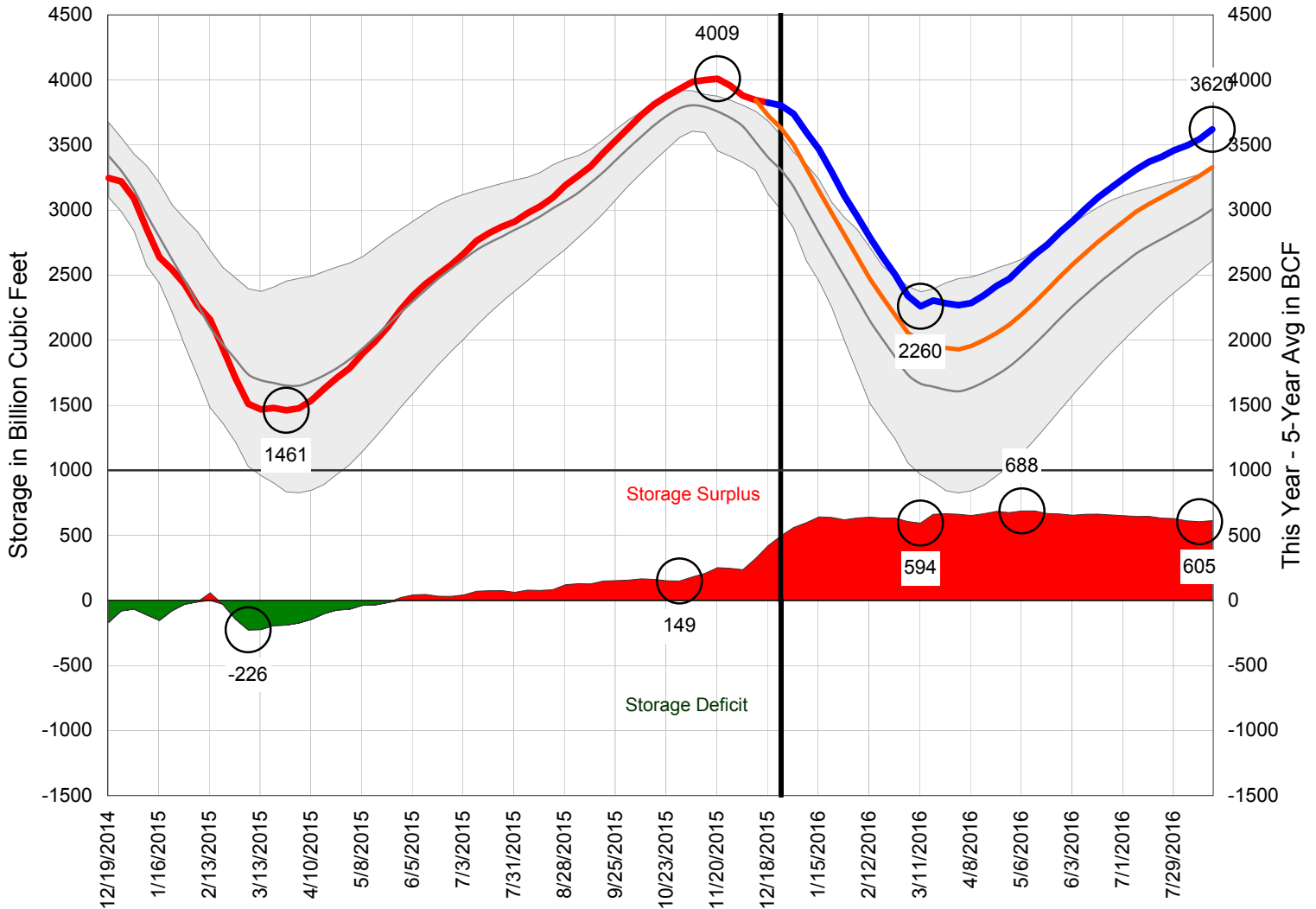


Seasonal Population Weighted CDD Anomaly Plume Summary

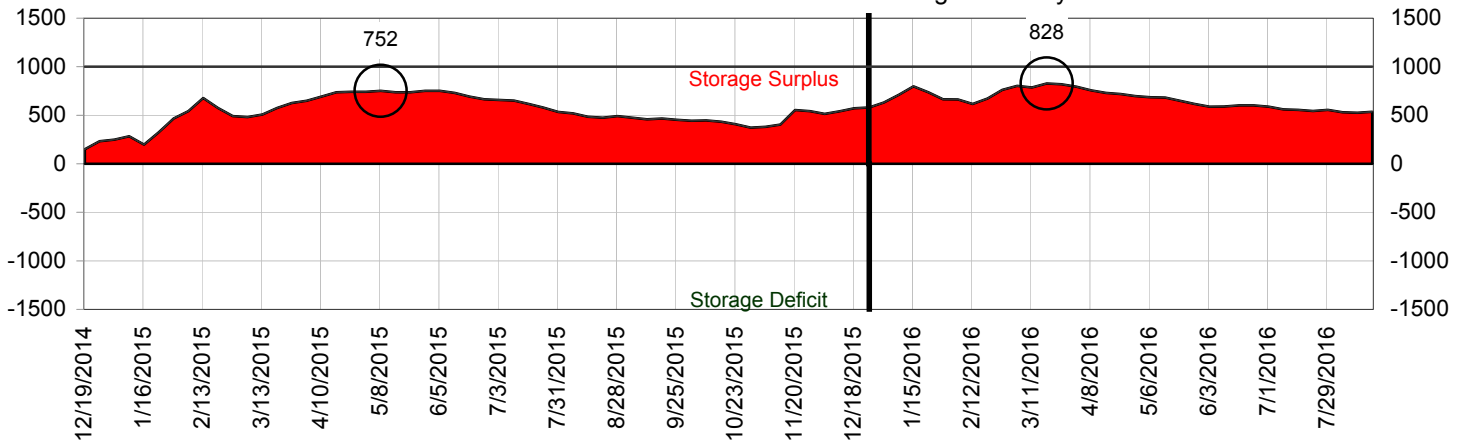
	Jan-Dec	May-Sep	Jun-Aug		Jan-Dec	May-Sep	Jun-Aug
Current + Hottest Year	211	142	78	Current + Mod-Strg El Nino Avg	211	142	78
Current + Forecast	211	142	78	Current + Weak-Mod El Nino Avg	211	142	78
Current + 10 Year Avg	211	142	78	Current + Mod-Strg La Nina Avg	211	142	78
Current + Last Year	211	142	78	Current + Weak-Mod La Nina Avg	211	142	78
Current + Coolest Year	211	142	78	Current + Average All Years	211	142	78

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. **No price/storage level production response is built in, so future projections are based on an unchanging supply and non-weather related demand trends.**

Observed and 8 Month Forecast Working Gas in Underground Storage Compared with 5-Year Range and Year Minus 5-Year Storage Anomaly (Forecast Values = Frontier Weather Forecast) Orange line = Current Storage Plus Weekly 5 Year Avg Storage Builds/Draws



This Year Minus Last Year Storage Anomaly



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 12/18/2015	56.6	41.8	49.2	110	-109	110	134	224	219	226	0	0	0	0	0	0	0
Fri 12/25/2015	52.8	39.5	46.2	131	-107	131	125	214	238	240	0	0	0	0	0	0	0
Fri 01/01/2016	48.6	35.5	42.1	160	-69	153	---	207	229	234	0	0	0	---	0	0	0
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 12/18/2015	56.1	42.4	49.2	110	-99	110	130	213	209	216	1	1	1	1	0	0	0
Fri 12/25/2015	55.1	40.6	47.9	119	-112	119	114	205	232	234	0	0	0	0	0	0	0
Fri 01/01/2016	49.8	36.3	43.1	153	-67	147	---	204	220	224	0	0	0	---	0	0	0
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 12/18/2015	44.0	35.7	39.9	176	-3	176	177	192	179	186	0	0	0	0	0	0	0
Fri 12/25/2015	44.3	34.1	39.2	181	-4	181	197	175	185	195	0	0	0	0	0	0	0
Fri 01/01/2016	39.9	27.0	33.4	221	41	218	---	189	180	188	0	0	0	---	0	0	0
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 12/18/2015	69.9	50.1	60.0	47	-50	47	61	92	98	104	13	10	13	9	3	3	3
Fri 12/25/2015	70.3	54.5	62.4	40	-73	39	26	93	114	115	23	21	22	7	3	2	2
Fri 01/01/2016	65.4	50.6	58.0	61	-51	53	---	104	112	111	12	11	9	---	2	1	1
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 12/18/2015	68.8	47.0	57.9	58	-33	58	62	82	91	98	9	5	9	9	4	4	3
Fri 12/25/2015	73.2	50.9	62.0	32	-78	35	25	92	110	113	12	10	11	7	4	2	2
Fri 01/01/2016	61.3	42.5	51.9	97	-6	83	---	103	103	105	6	4	5	---	3	2	2
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 12/18/2015	35.8	17.9	26.8	266	40	266	250	230	226	233	0	0	0	0	0	0	0
Fri 12/25/2015	41.9	24.1	33.0	223	-29	223	232	242	252	255	0	0	0	0	0	0	0
Fri 01/01/2016	30.4	10.7	20.5	311	71	298	---	260	240	244	0	0	0	---	0	0	0
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 12/18/2015	81.5	66.1	73.8	2	-26	2	10	27	28	31	64	38	64	54	29	27	24
Fri 12/25/2015	79.7	64.5	72.1	11	-25	11	5	25	35	36	61	38	61	57	27	23	23
Fri 01/01/2016	81.5	65.5	73.5	2	-35	2	---	29	37	35	62	43	61	---	24	19	21
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 12/18/2015	51.8	34.9	43.4	151	12	151	141	143	139	149	0	0	0	0	0	0	0
Fri 12/25/2015	53.5	37.8	45.7	135	-16	138	133	138	151	160	0	0	0	0	0	0	0
Fri 01/01/2016	48.3	30.4	39.3	179	32	172	---	155	147	158	0	0	0	---	0	0	0
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 12/18/2015	45.4	36.4	40.9	168	-9	168	168	190	177	184	0	0	0	0	0	0	0
Fri 12/25/2015	42.6	34.4	38.5	185	-3	186	187	182	188	194	0	0	0	0	0	0	0
Fri 01/01/2016	40.0	30.3	35.2	208	23	202	---	189	185	191	0	0	0	---	0	0	0
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 12/18/2015	37.0	27.0	32.0	230	-63	230	244	305	294	301	0	0	0	0	0	0	0
Fri 12/25/2015	35.9	23.2	29.6	247	-75	244	250	298	322	325	0	0	0	0	0	0	0
Fri 01/01/2016	27.1	12.6	19.8	316	5	301	---	309	311	316	0	0	0	---	0	0	0

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

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

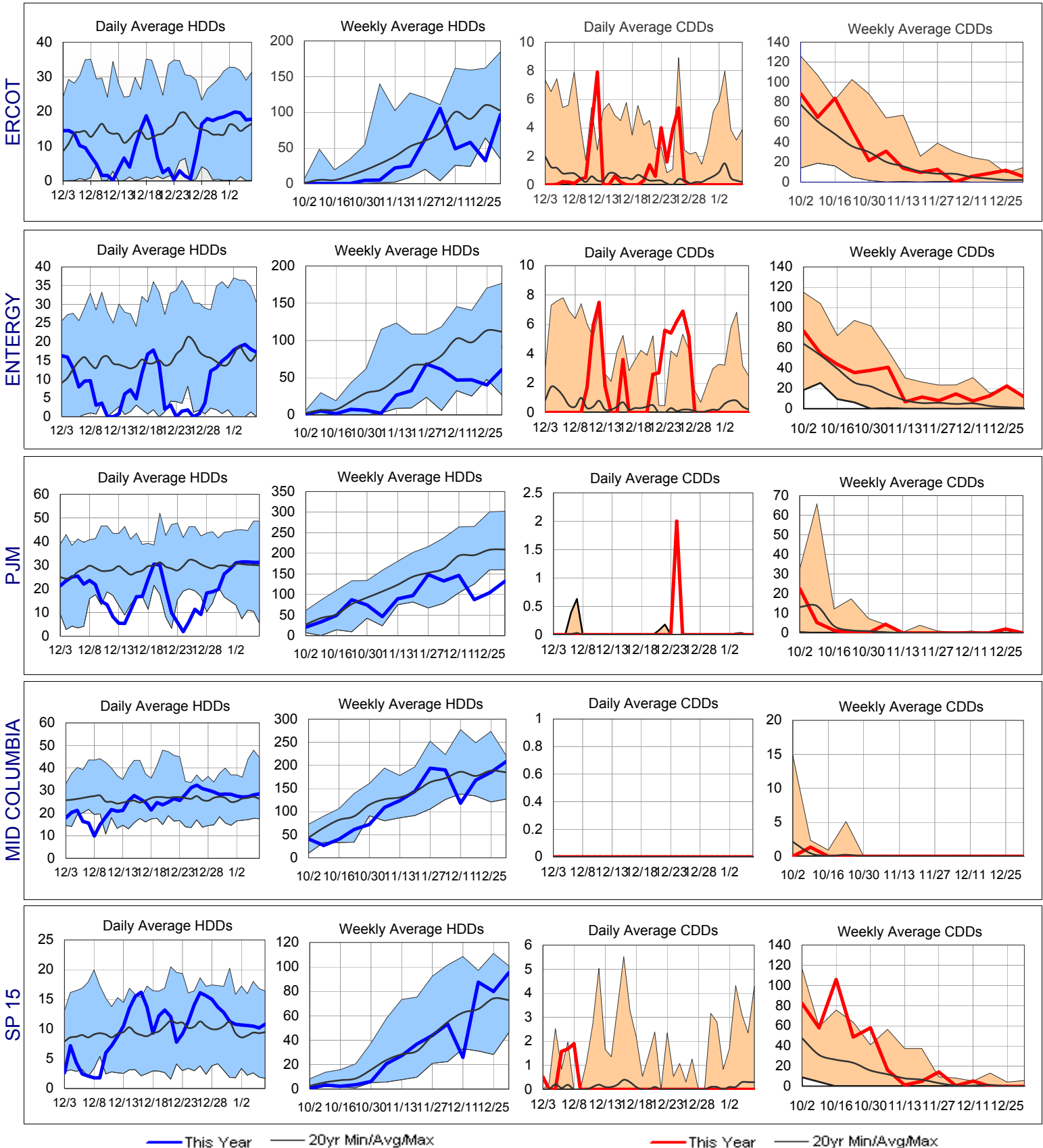
Power Region Temperature and Degree Day Summary 11

NEPOOL	Avg 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 12/18/2015	54.4	41.1	47.7	120	-103	120	126	230	223	229	0	0	0	0	0	0	0	0
Fri 12/25/2015	53.2	39.6	46.4	130	-99	135	134	225	228	230	0	0	0	0	0	0	0	0
Fri 01/01/2016	44.4	30.7	37.6	191	-47	181	---	229	239	245	0	0	0	---	0	0	0	0
Northern Illinois	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 12/18/2015	49.2	37.4	43.4	151	-100	151	170	257	251	259	0	0	0	0	0	0	0	0
Fri 12/25/2015	47.4	31.3	39.3	179	-97	177	168	254	276	277	0	0	0	0	0	0	0	0
Fri 01/01/2016	38.8	26.5	32.7	226	-36	215	---	250	262	267	0	0	0	---	0	0	0	0
NP15	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 12/18/2015	56.1	40.9	48.5	115	9	115	111	111	105	113	0	0	0	0	0	0	0	0
Fri 12/25/2015	55.1	44.7	49.9	105	-7	107	112	107	112	123	0	0	0	0	0	0	0	0
Fri 01/01/2016	52.6	37.2	44.9	140	30	137	---	116	110	118	0	0	0	---	0	0	0	0
NYISO	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 12/18/2015	58.2	46.0	52.1	90	-110	90	103	205	200	206	0	0	0	0	0	0	0	0
Fri 12/25/2015	55.9	44.6	50.3	104	-105	108	109	198	208	209	1	0	0	0	0	0	0	0
Fri 01/01/2016	48.4	37.3	42.8	155	-60	145	---	199	214	221	0	0	0	---	0	0	0	0
Palo Verde	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 12/18/2015	58.9	38.0	48.4	115	47	115	104	65	69	72	0	0	0	0	0	0	0	0
Fri 12/25/2015	62.3	45.8	54.0	76	-6	74	72	78	83	83	0	0	0	0	0	0	0	0
Fri 01/01/2016	59.0	37.7	48.3	116	34	109	---	91	82	82	0	0	0	---	0	0	0	0
PJM West	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 12/18/2015	60.5	44.3	52.4	88	-108	88	101	199	196	202	0	0	0	0	0	0	0	0
Fri 12/25/2015	57.4	43.3	50.3	104	-104	107	108	194	209	210	2	0	2	0	0	0	0	0
Fri 01/01/2016	52.9	39.1	46.0	132	-77	129	---	190	210	215	0	0	0	---	0	0	0	0
Southern	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 12/18/2015	69.7	47.7	58.7	46	-69	46	59	111	115	119	3	0	0	3	0	0	0	0
Fri 12/25/2015	66.8	50.4	58.6	59	-73	57	47	112	132	131	14	0	15	2	1	0	1	1
Fri 01/01/2016	68.0	51.7	59.9	45	-86	41	---	118	131	127	10	0	7	---	0	0	0	0
SP15	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 12/18/2015	62.4	42.4	52.4	88	22	88	78	72	66	68	0	-1	0	0	1	1	1	1
Fri 12/25/2015	61.1	45.9	53.5	80	6	78	72	70	74	74	0	0	0	0	1	0	1	1
Fri 01/01/2016	62.0	40.5	51.3	95	23	93	---	82	73	75	0	0	0	---	0	0	0	0
TVA	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 12/18/2015	64.4	44.9	54.7	75	-72	75	86	147	147	153	3	0	0	3	0	0	0	0
Fri 12/25/2015	64.0	48.4	56.2	67	-100	66	69	145	167	169	6	0	6	0	0	0	0	0
Fri 01/01/2016	61.7	46.4	54.0	82	-82	78	---	154	164	163	5	0	3	---	0	0	0	0

* 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

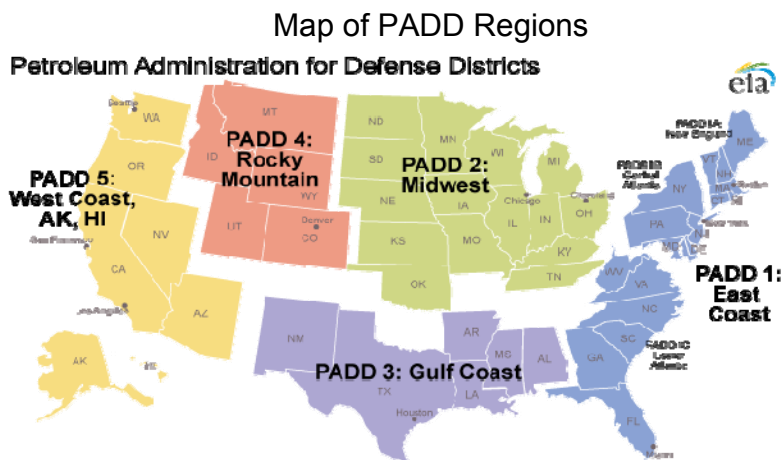
- 1 http://www.frontierweather.com/degreedays/HR_FW_USPopulationWeightedData.csv
- 2 <http://www.frontierweather.com/degreedays/USPopWeightedbyYearDDs.txt>
- 3 http://www.frontierweather.com/degreedays/HR_FW_1996_Forecast_NG_Elec_Comb_HDDs.csv
- 4 Combination of number 1 for CDDs and number 3 for HDDs.
- 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.



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