

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 6.29 ▲	\$ 0.09 ▲	\$ 0.28 ▲

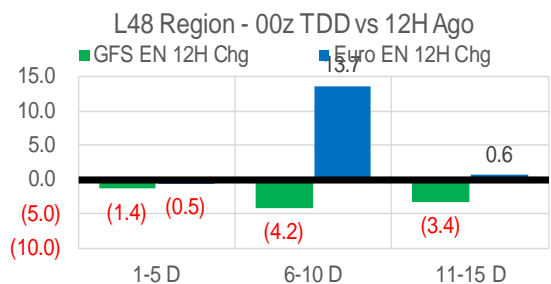
	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 83.99 ▼	\$ (1.60) ▼	\$ (3.4) ▼

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 91.59 ▼	\$ (1.27) ▼	\$ (2.9) ▼

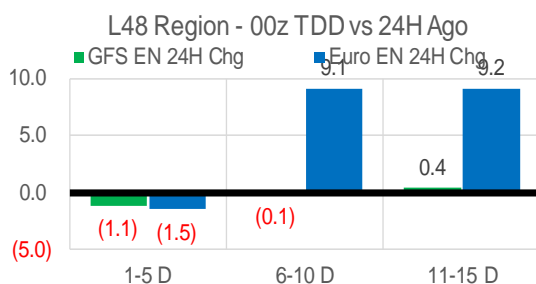
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Vs. 12H Ago



Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	100.0 ▼	-0.42 ▼	-1.20 ▼

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	32.6 ▼	-0.61 ▼	1.74 ▲

	Current	Δ from YD	Δ from 7D Avg
US ResComm	40.5 ▲	2.10 ▲	8.53 ▲

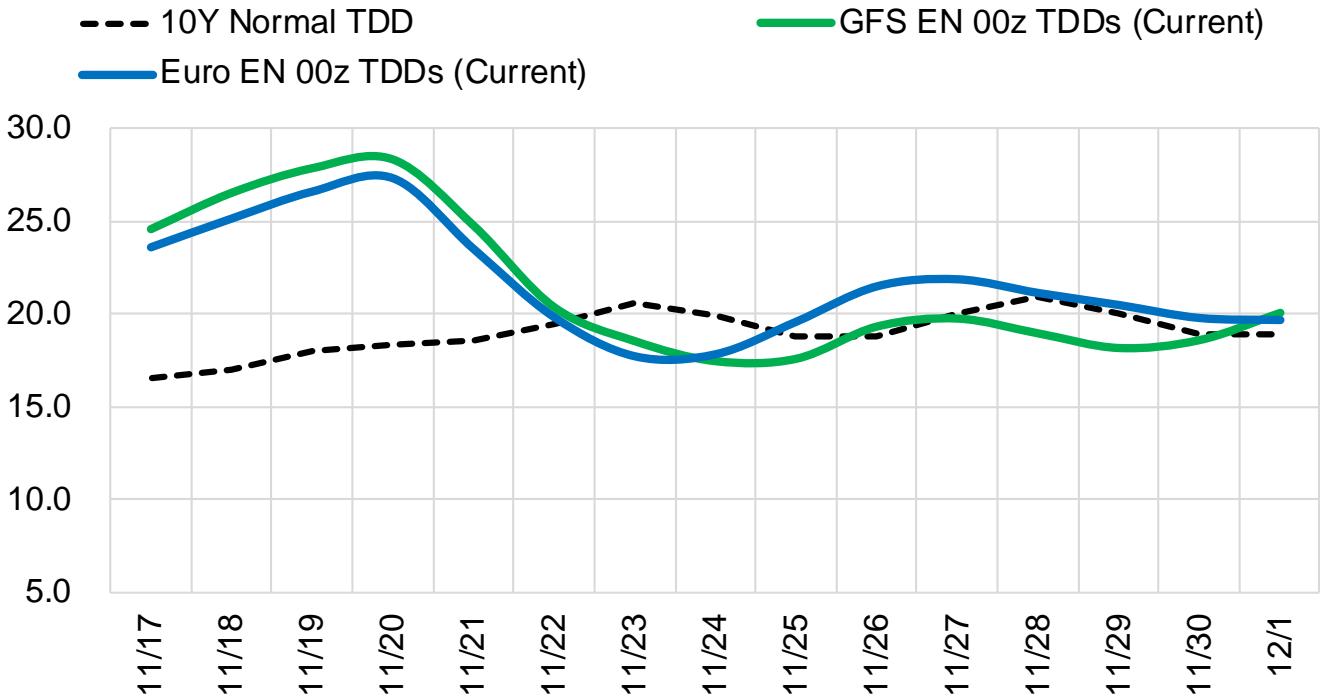
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	7.0 ▲	0.46 ▲	0.81 ▲

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	12.5 ▲	0.60 ▲	0.48 ▲

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.3 ▼	-0.01 ▼	-0.18 ▼

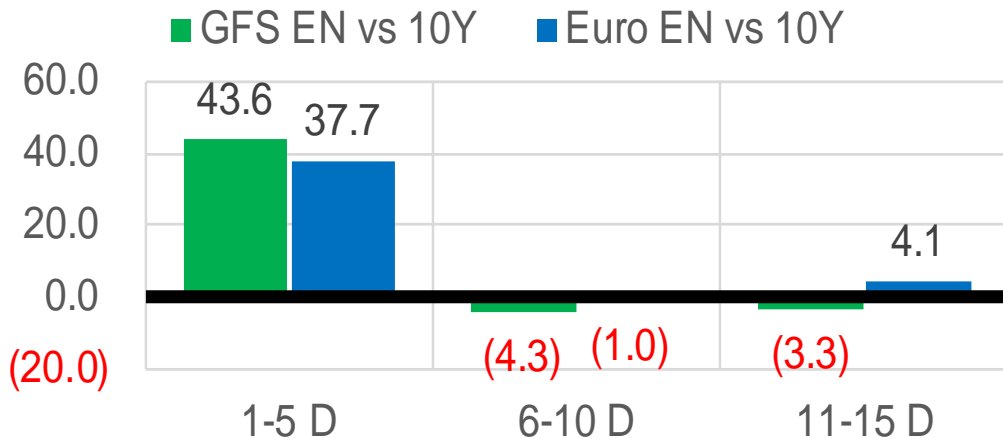
Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI , Bloomberg

Lower 48 Component Models

Daily Balances

	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	16-Nov	17-Nov	DoD	vs. 7D
Lower 48 Dry Production	101.3	101.2	101.6	101.9	100.8	100.4	100.0	▼ -0.4	▼ -1.2
Canadian Imports	6.2	6.1	6.5	6.9	6.7	6.6	7.0	▲ 0.5	▲ 0.5
L48 Power	29.4	29.0	30.0	32.1	33.5	33.2	32.6	▼ -0.6	▲ 1.4
L48 Residential & Commercial	23.7	30.0	36.8	38.6	38.3	38.4	40.5	▲ 2.1	▲ 6.2
L48 Industrial	23.0	23.5	23.8	23.6	23.6	23.8	24.2	▲ 0.4	▲ 0.6
L48 Lease and Plant Fuel	5.7	5.6	5.7	5.7	5.6	5.6	5.5	▼ -0.1	▼ -0.1
L48 Pipeline Distribution	3.1	3.4	3.8	4.1	4.1	4.1	4.2	▲ 0.1	▲ 0.4
L48 Regional Gas Consumption	84.8	91.6	100.0	104.0	105.2	105.1	107.1	▲ 1.9	▲ 8.6
Net LNG Delivered	11.92	12.76	11.77	12.27	12.52	11.92	12.51	▲ 0.6	▲ 0.3
Total Mexican Exports	6.7	6.4	6.3	6.5	6.6	6.4	6.3	▼ 0.0	▼ -0.1
Implied Daily Storage Activity	4.0	-3.5	-10.0	-13.9	-16.8	-16.4	-18.9		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	LY 12-Nov	14-Oct	21-Oct	28-Oct	LW 4-Nov	Current 11-Nov	WoW	vs. LY
Lower 48 Dry Production	96.5	101.7	100.4	101.1	101.1	100.4	▼ -0.6	▲ 3.9
Canadian Imports	5.1	5.5	6.1	5.3	4.9	4.2	▼ -0.8	▼ -0.9
L48 Power	28.2	30.7	30.9	28.9	29.5	29.1	▼ -0.4	0.9
L48 Residential & Commercial	22.2	14.7	20.9	15.9	17.6	17.7	▲ 0.1	-4.5
L48 Industrial	22.4	20.3	20.0	21.1	21.3	22.6	▲ 1.3	0.2
L48 Lease and Plant Fuel	5.4	5.7	5.6	5.6	5.6	5.6	▼ 0.0	0.2
L48 Pipeline Distribution	2.9	2.8	3.2	2.8	2.8	2.7	▼ -0.1	-0.2
L48 Regional Gas Consumption	81.0	74.1	80.6	74.4	77.0	77.7	▲ 0.7	▼ -3.3
Net LNG Exports	11.2	11.0	11.5	11.4	11.9	11.4	▼ -0.5	▲ 0.2
Total Mexican Exports	6.2	6.6	6.7	6.4	6.3	6.3	▼ -0.1	▲ 0.1
Implied Daily Storage Activity	3.2	15.6	7.7	14.3	10.8	9.2	-1.6	6.0
EIA Reported Daily Storage Activity	3.7	15.9	7.4	15.3	11.3			
Daily Model Error	-0.6	-0.3	0.2	-1.0	-0.5			

Monthly Balances

	2Yr Ago Nov-20	LY Nov-21	Jul-22	Aug-22	Sep-22	Oct-22	MTD Nov-22	MoM	vs. LY
Lower 48 Dry Production	91.2	96.4	97.8	98.2	100.6	101.3	100.7	▼ -0.5	▲ 4.3
Canadian Imports	4.6	5.3	5.9	5.4	5.9	5.7	5.0	▼ -0.6	▼ -0.3
L48 Power	25.7	29.3	44.8	43.8	37.0	30.2	30.0	▼ -0.2	▲ 0.7
L48 Residential & Commercial	24.4	28.2	8.2	7.8	8.9	16.6	23.6	▲ 7.0	▼ -4.6
L48 Industrial	22.5	23.3	19.4	19.7	20.5	20.7	22.7	▲ 2.1	▼ -0.6
L48 Lease and Plant Fuel	5.0	5.4	5.5	5.5	5.5	5.7	5.6	▼ 0.0	▲ 0.2
L48 Pipeline Distribution	2.7	3.3	3.1	3.0	2.8	2.9	3.1	▲ 0.2	▼ -0.2
L48 Regional Gas Consumption	80.3	89.5	81.0	79.9	74.7	75.9	85.0	▲ 9.1	▼ -4.5
Net LNG Exports	10.1	11.4	10.9	11.0	11.5	11.3	11.7	▲ 0.4	▲ 0.3
Total Mexican Exports	6.1	6.1	7.0	6.9	6.7	6.6	6.4	▼ -0.2	▲ 0.3
Implied Daily Storage Activity	-0.7	-5.3	4.8	5.8	13.6	13.2	2.7		
EIA Reported Daily Storage Activity									
Daily Model Error					-0.5				

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	9-Nov	10-Nov	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	DoD	vs. 7D
NRC Nuclear Daily Output	78.2	79.2	79.6	79.9	81.1	81.8	82.0	0.2	2.0
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	104.9	0.0	0.0
NRC Nuclear Outage	26.7	25.7	25.2	25.0	23.7	23.1	22.9	-0.2	-2.0
NRC % Nuclear Cap Utilization	79.5	80.5	81.0	81.3	82.5	83.2	83.4	0.2	2.0

Wind Generation Daily Average - MWh (EIA)

	9-Nov	10-Nov	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	DoD	vs. 7D
CALI Wind	2792	691	689	1547	2100	584	1495	911	95
TEXAS Wind	8841	12321	17077	8082	17043	14340	8006	-6334	-4945
US Wind	37047	68086	68800	26099	46484	34034	24346	-9688	-22412

Generation Daily Average - MWh (EIA)

	9-Nov	10-Nov	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	DoD	vs. 7D
US Wind	37047	68086	68800	26099	46484	34034	24346	-9688	-22412
US Solar	7643	10594	8632	11554	10861	10792	9251	-1541	-762
US Petroleum	1068	983	983	950	938	1180	1162	-19	145
US Other	8394	10084	9980	8431	8066	8552	8452	-100	-466
US Coal	43775	65473	68554	59906	56822	66322	69640	3317	9498
US Nuke	68591	82886	83117	73377	74597	75328	75024	-304	-1292
US Hydro	23031	24493	25684	21940	22539	26815	26697	-118	2614
US Gas	117619	151708	153695	136729	128874	155708	168189	12481	27467

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Storage Week Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)

	12-Nov	14-Oct	21-Oct	28-Oct	4-Nov	11-Nov	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	79.8	76.2	74.4	74.1	75.8	77.2	1.4	-0.3
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	25.1	28.7	30.5	30.7	29.1	27.7	-1.4	
NRC % Nuclear Cap Utilization	81.1	77.5	75.6	75.4	77.1	78.5	1.4	

Wind Generation Weekly Average - MWh (EIA)

	12-Nov	14-Oct	21-Oct	28-Oct	4-Nov	11-Nov	WoW	WoW Bcf/d Impact
CALI Wind	1805	1087	944	1974	1641	2226	585	-0.1
TEXAS Wind	12032	7842	9710	17228	10904	12095	1192	-0.2
US Wind	50985	41063	45195	64748	44699	58184	13485	-2.5
							30%	
						0.1		

Generation Weekly Average - MWh (EIA)

	12-Nov	14-Oct	21-Oct	28-Oct	4-Nov	11-Nov	WoW	WoW Bcf/d Impact
					LY	Current		
US Wind	50985	41063	45195	64748	44699	58184	13485	-2.5
US Solar	10016	14503	14347	13756	11428	10290	-1138	0.2
US Petroleum	1025	842	1054	933	990	1004	14	0.0
US Other	8202	11273	11285	9085	10014	9730	-284	0.1
US Coal	77960	76322	79517	69841	75083	60391	-14692	2.8
US Nuke	84321	77235	76583	77718	79723	77521	-2202	0.4
US Hydro	26027	20001	19318	19097	21591	22653	1062	-0.2
US Gas	146676	170286	162313	148302	157761	146651	-11110	-2.1

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Monthly Average Generation Data

Nuclear Generation Monthly Average - GWh (NRC)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Aug-22	Sep-22	Oct-22	Nov-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	NRC Nuclear Daily Output	77.3	76.1	90.5	86.2	76.1	78.5	76.9	2.5
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	104.9	0.0	0.0
NRC Nuclear Outage	27.6	28.7	14.3	18.7	28.8	26.3	28.0	-2.5	-0.7
NRC % Nuclear Cap Utilization	78.6	77.4	92.1	87.7	77.4	79.9	78.2	2.5	0.7

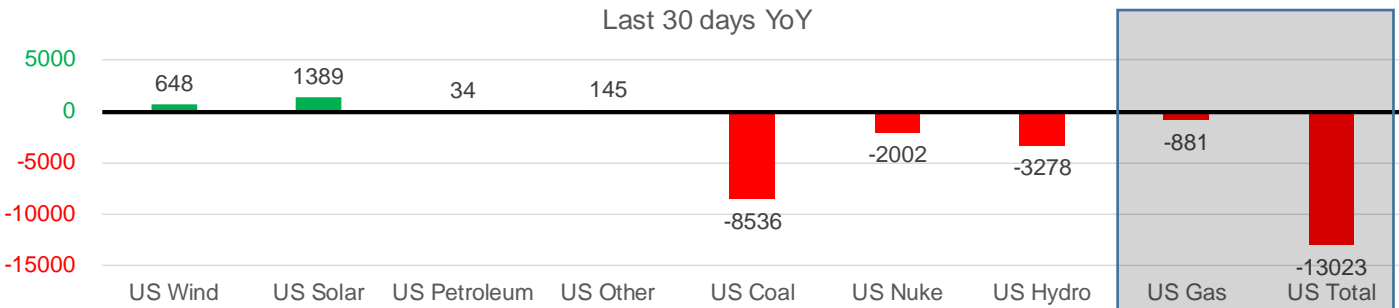
Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Aug-22	Sep-22	Oct-22	Nov-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	CALI Wind	1225	1586	2028	1608	1239	2015	1705	776
TEXAS Wind	9751	12216	8440	7993	9916	12513	12583	2597	367
US Wind	41729	49282	33222	38270	43698	50240	49930	6542	648

Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Aug-22	Sep-22	Oct-22	Nov-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	US Wind	41729	49282	33222	38270	43698	50240	49930	▼ -309.5
US Solar	7340	10270	16962	16163	14198	10225	11659	▲ 1434.0	▲ 1389
US Petroleum	877	963	1251	864	899	1032	997	▼ -35	▲ 34
US Other	8984	9290	10597	10512	10517	9379	9436	▲ 56	▲ 145
US Coal	89059	77490	117203	92002	75808	63955	68954	▲ 4998	▼ -8536
US Nuke	80891	79751	92976	89062	78132	77258	77749	▲ 491	▼ -2002
US Hydro	28205	25356	30192	25203	19926	23919	22078	▼ -1842	▼ -3278
US Gas	145519	153925	233739	200120	162343	151299	153044	▲ 4794	▼ -881
US Total	401385	406589	535696	470764	405842	387054	393567	▲ 9897	▼ -13023

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Regional S/D Models Storage Projection

Week Ending 11-Nov

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	10.1	-0.6	9.6	67
East	0.3	2.5	2.8	20
Midwest	2.4	0.5	2.9	20
Mountain	4.1	-4.2	0.0	0
South Central	3.9	0.8	4.7	33
Pacific	-0.7	-0.2	-0.9	-6

*Adjustment Factor is calculated based on historical regional deltas

U.S. underground natural gas storage facilities by type (July 2015)

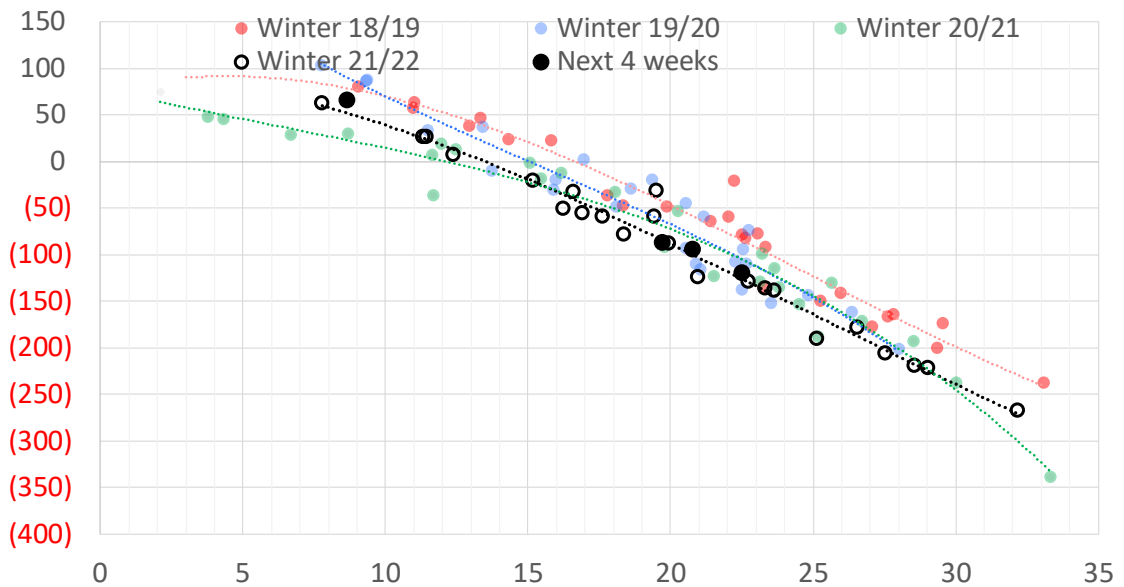


Weather Model Storage Projection

Next report
and beyond

Week Ending	GWDDs	Week Storage Projection
11-Nov	8.6	67
18-Nov	20.8	-93
25-Nov	22.5	-119
02-Dec	19.7	-86

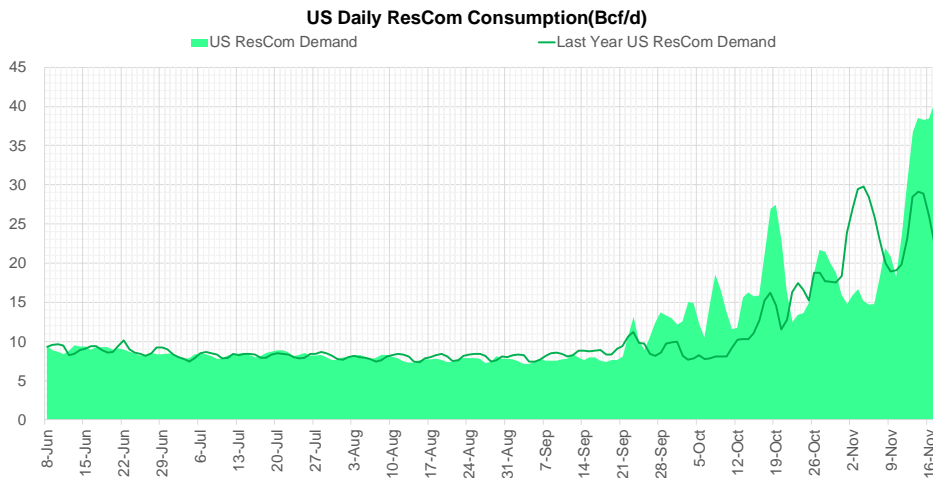
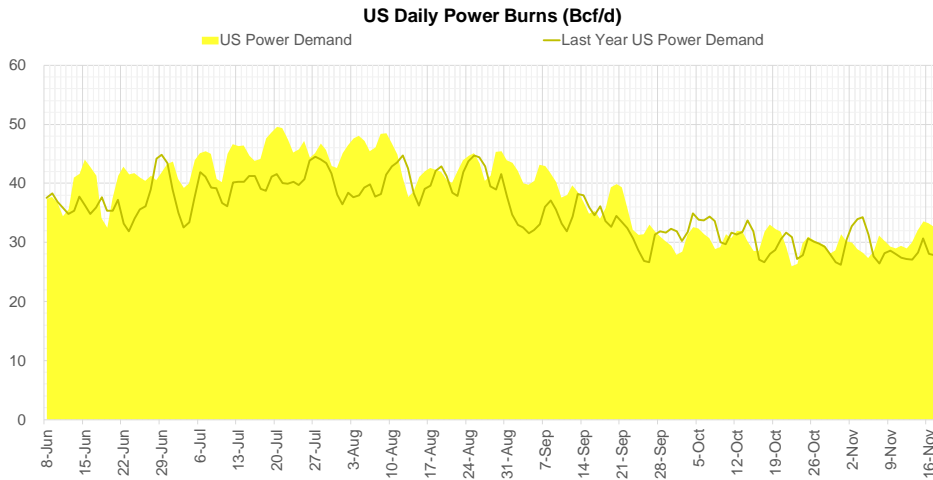
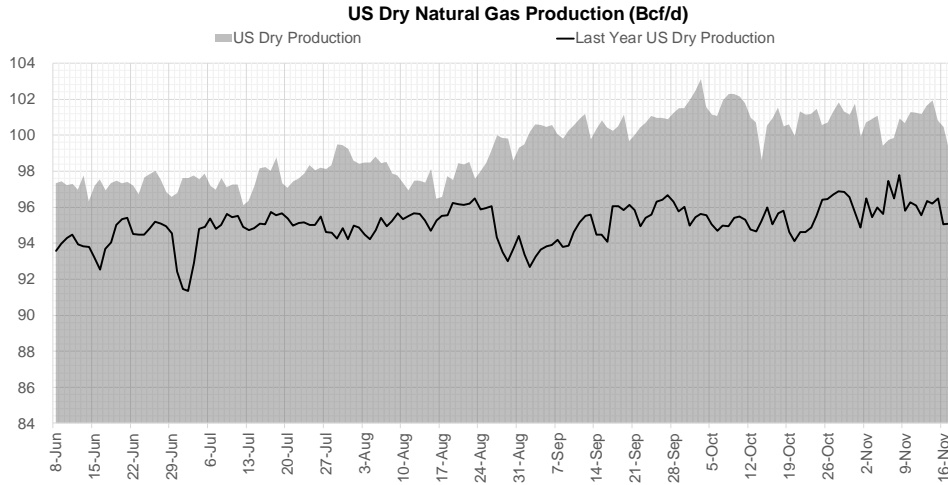
Weather Storage Model - Next 4 Week Forecast



Go to larger image



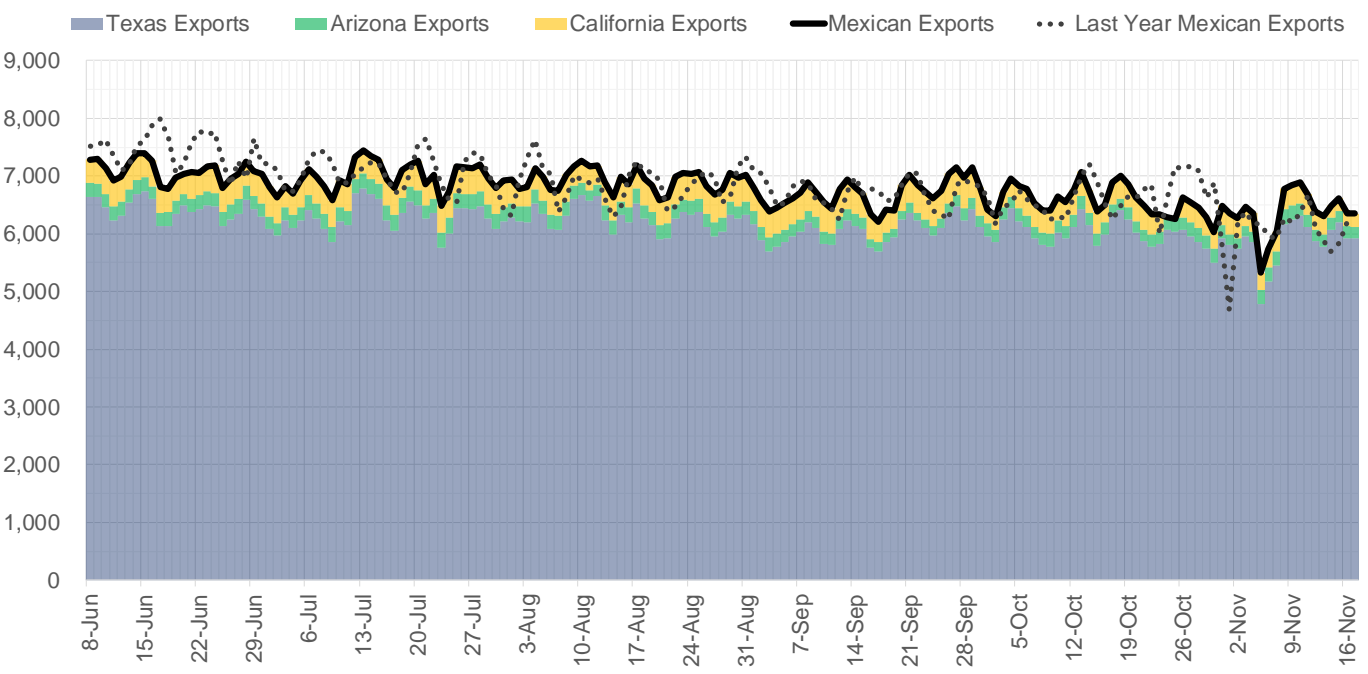
Supply – Demand Trends



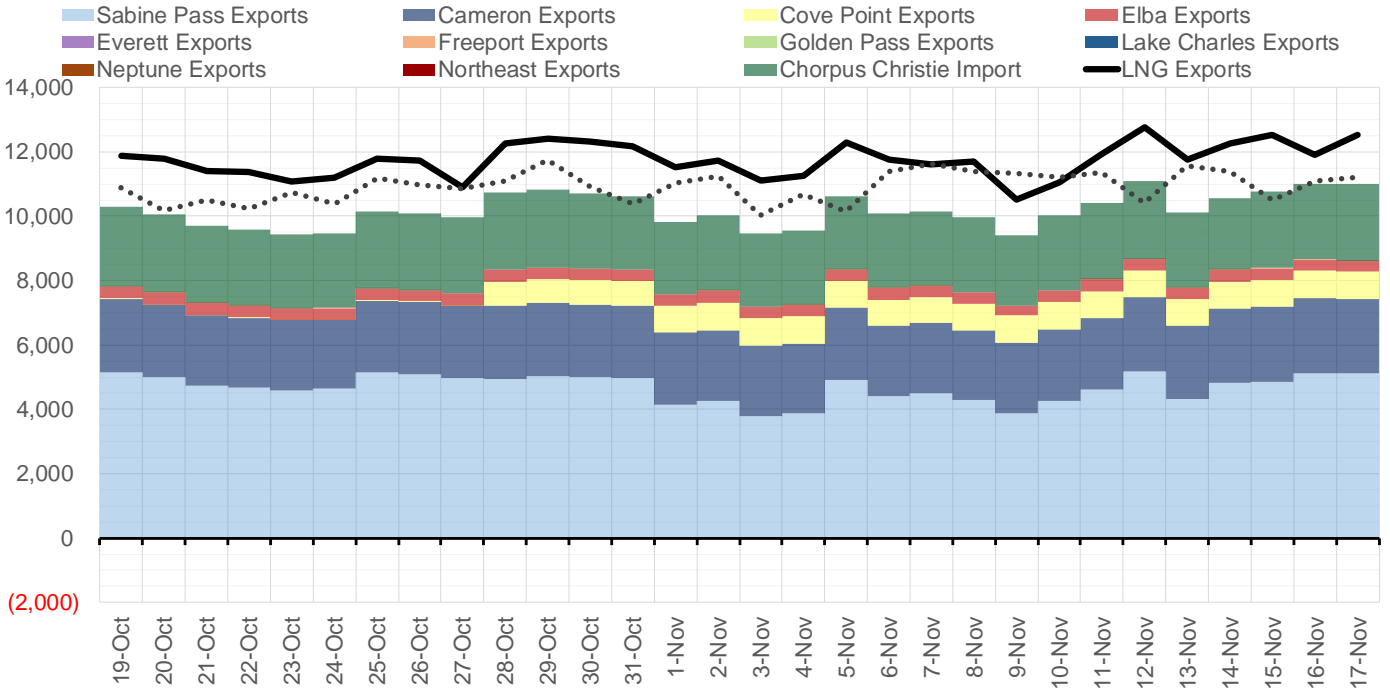
Source: Bloomberg

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Mexican Exports (MMcf/d)



Net LNG Exports - Last 30 days (MMcf/d)



Source: Bloomberg

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Nat Gas Options Volume and Open Interest CME and ICE Combined

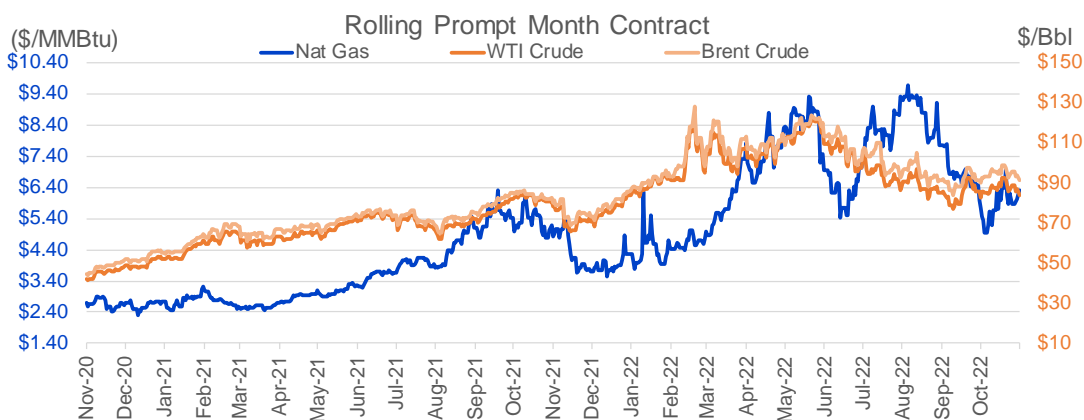
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
12	2022	P	5.00	8271	12	2022	P	4.00	48647
5	2023	C	6.00	6760	12	2022	P	5.00	42633
12	2022	P	4.00	5460	12	2022	P	6.00	33594
12	2022	P	5.25	5317	12	2022	P	4.50	31413
4	2023	C	5.50	4150	5	2023	P	2.00	31242
1	2023	P	5.00	3475	12	2022	C	10.00	31186
4	2023	P	2.50	3405	10	2023	P	3.00	30270
5	2023	P	2.50	3155	1	2023	C	10.00	27568
6	2023	P	2.50	3155	4	2023	P	3.00	27473
12	2022	P	4.75	3077	3	2023	C	10.00	26231
1	2023	C	10.00	2885	12	2022	P	3.50	26056
7	2023	P	2.50	2880	1	2023	P	5.00	25813
8	2023	P	2.50	2880	4	2023	P	2.00	23642
9	2023	P	2.50	2880	3	2023	P	4.00	23513
10	2023	P	2.50	2880	10	2023	P	2.50	23480
4	2023	P	3.00	2800	10	2023	P	2.00	23163
12	2022	C	9.00	2743	5	2023	P	3.00	22833
1	2023	P	4.50	2556	12	2022	C	6.00	22814
1	2023	C	8.50	2327	12	2022	P	4.75	22752
12	2022	C	7.00	2290	12	2022	C	8.00	22739
1	2023	C	7.50	2279	6	2023	P	3.00	22140
12	2022	P	5.50	2245	4	2023	P	3.50	21781
12	2022	C	6.50	2213	7	2023	P	3.00	21275
12	2022	P	4.50	2105	8	2023	P	3.00	21086
12	2023	C	8.00	2050	9	2023	P	3.00	21035
12	2022	C	8.00	1993	2	2023	C	10.00	20821
3	2023	P	3.00	1902	12	2022	C	7.00	20108
4	2023	P	2.00	1750	6	2023	P	2.00	20087
5	2023	P	2.00	1750	12	2022	P	3.00	20059
6	2023	P	2.00	1750	3	2023	P	3.00	20026
1	2023	P	5.50	1702	8	2023	P	2.00	19750
1	2023	C	8.00	1636	9	2023	P	2.00	19588
12	2022	C	7.50	1483	7	2023	P	2.00	19550
7	2023	P	2.00	1475	10	2023	P	4.00	19504
8	2023	P	2.00	1475	1	2023	P	4.00	19228
9	2023	P	2.00	1475	4	2023	P	4.00	19043
10	2023	P	2.00	1475	3	2023	C	20.00	18920
1	2023	P	4.00	1434	6	2023	P	3.50	18535
5	2023	P	3.00	1400	5	2023	P	2.50	18475
6	2023	P	3.00	1400	12	2022	P	5.50	18392
7	2023	P	3.00	1400	12	2022	C	5.00	18367
8	2023	P	3.00	1400	5	2023	P	3.50	18120
9	2023	P	3.00	1400	6	2023	P	2.50	17975
10	2023	P	3.00	1400	9	2023	P	2.50	17945
12	2022	C	10.00	1328	4	2023	P	2.50	17903
12	2022	C	8.50	1230	5	2023	P	4.00	17634
1	2023	C	7.00	1180	1	2023	P	3.00	17368
3	2023	C	10.00	1178	6	2023	P	4.00	17236
12	2022	C	9.65	1000	9	2023	P	4.00	17214
					10	2023	P	3.5	17050

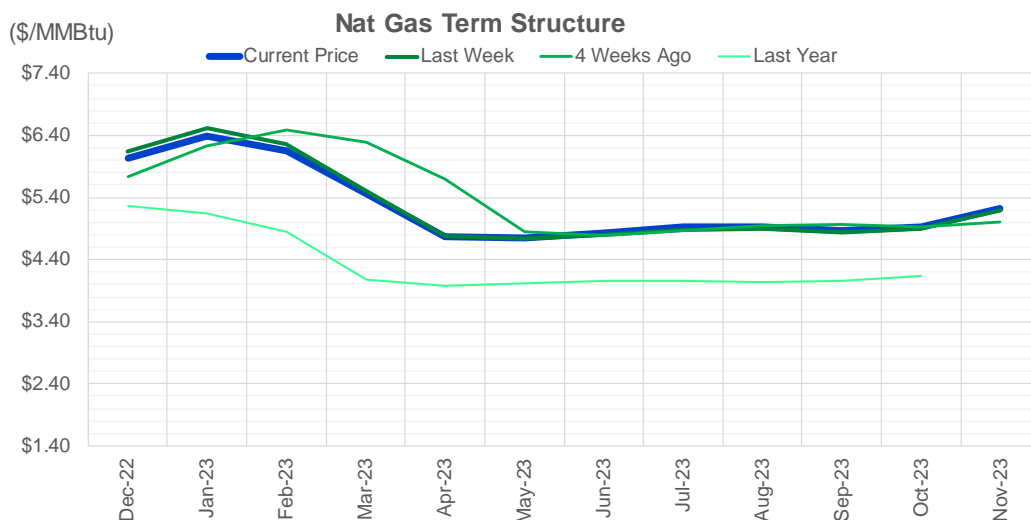
Source: CME, ICE

Nat Gas Futures Open Interest CME and ICE Combined

CME Henry Hub Futures (10,000 MMBtu)				ICE Henry Hub Futures Contract Equivalent (10,000 MM			
	Current	Prior	Daily Change		Current	Prior	Daily Change
DEC 22	44570	51805	-7235	DEC 22	88225	88479	-254
JAN 23	169185	163161	6024	JAN 23	76764	75567	1197
FEB 23	63703	63715	-12	FEB 23	67002	68373	-1371
MAR 23	99341	97563	1778	MAR 23	62096	60920	1176
APR 23	87767	86541	1226	APR 23	58798	58224	574
MAY 23	91825	91386	439	MAY 23	60248	59322	926
JUN 23	24235	24593	-358	JUN 23	50173	49129	1044
JUL 23	32345	32402	-57	JUL 23	51149	50540	609
AUG 23	27433	26954	479	AUG 23	49239	48366	873
SEP 23	32441	31293	1148	SEP 23	46951	46339	613
OCT 23	49810	49418	392	OCT 23	61570	61261	309
NOV 23	20010	20210	-200	NOV 23	49093	48504	590
DEC 23	27532	27880	-348	DEC 23	43944	43564	380
JAN 24	34179	34243	-64	JAN 24	47333	46780	552
FEB 24	12075	11964	111	FEB 24	31234	30695	540
MAR 24	23994	23818	176	MAR 24	39287	38646	642
APR 24	22643	22535	108	APR 24	31844	31654	190
MAY 24	10170	10207	-37	MAY 24	31105	30813	292
JUN 24	3536	3500	36	JUN 24	27647	27378	269
JUL 24	4930	4910	20	JUL 24	26578	26311	267
AUG 24	4630	4566	64	AUG 24	25755	25470	285
SEP 24	3311	3286	25	SEP 24	25862	25601	262
OCT 24	9914	9872	42	OCT 24	30211	29912	299
NOV 24	4941	4937	4	NOV 24	26874	26773	101
DEC 24	8720	8713	7	DEC 24	31076	30456	620
JAN 25	18694	18735	-41	JAN 25	26258	26138	120
FEB 25	1852	1844	8	FEB 25	15983	15818	165
MAR 25	6273	6296	-23	MAR 25	17782	17654	129
APR 25	6595	6594	1	APR 25	16661	16492	170
MAY 25	2746	2749	-3	MAY 25	15957	15745	212

Source: CME, ICE



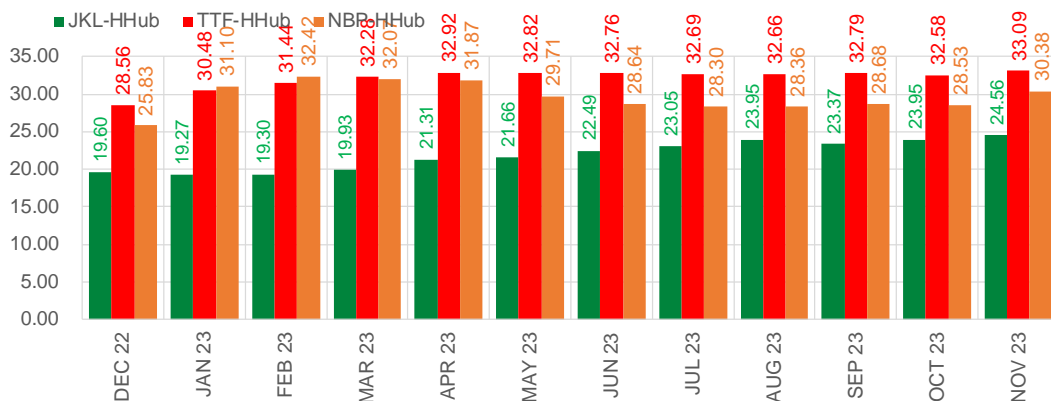
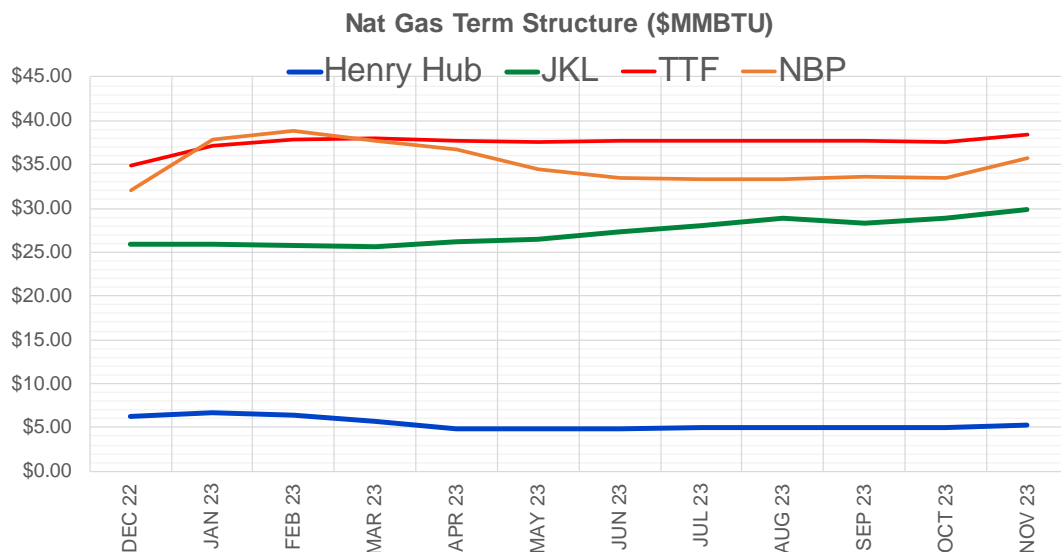


	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
Current Price	\$6.034	\$6.395	\$6.143	\$5.457	\$4.765	\$4.750	\$4.833	\$4.924	\$4.933	\$4.870	\$4.918	\$5.229
Last Week	\$6.138	\$6.524	\$6.266	\$5.506	\$4.773	\$4.730	\$4.805	\$4.884	\$4.893	\$4.834	\$4.889	\$5.199
vs. Last Week	-\$0.104	-\$0.129	-\$0.123	-\$0.049	-\$0.008	\$0.020	\$0.028	\$0.040	\$0.040	\$0.036	\$0.029	\$0.030
4 Weeks Ago	\$5.745	\$6.237	\$6.493	\$6.286	\$5.693	\$4.849	\$4.792	\$4.866	\$4.945	\$4.962	\$4.933	\$5.008
vs. 4 Weeks Ago	\$0.289	\$0.158	-\$0.350	-\$0.829	-\$0.928	-\$0.099	\$0.041	\$0.058	-\$0.012	-\$0.092	-\$0.015	\$0.221
Last Year	\$5.177	\$5.270	\$5.152	\$4.854	\$4.068	\$3.987	\$4.016	\$4.059	\$4.062	\$4.039	\$4.065	\$4.142
vs. Last Year	\$0.857	\$1.125	\$0.991	\$0.603	\$0.697	\$0.763	\$0.817	\$0.865	\$0.871	\$0.831	\$0.853	\$1.087

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	9.00	16.14	7.14
TETCO M3	\$/MMBtu	7.19	7.46	0.27
FGT Zone 3	\$/MMBtu	7.63	6.36	-1.27
Zone 6 NY	\$/MMBtu	7.63	7.81	0.18
Chicago Citygate	\$/MMBtu	5.64	6.20	0.56
Michcon	\$/MMBtu	5.49	5.56	0.07
Columbia TCO Pool	\$/MMBtu	5.26	5.24	-0.02
Ventura	\$/MMBtu	5.85	6.70	0.85
Rockies/Opal	\$/MMBtu	8.25	6.18	-2.07
El Paso Permian Basin	\$/MMBtu	5.03	4.71	-0.32
Socal Citygate	\$/MMBtu	8.32	8.04	-0.28
Malin	\$/MMBtu	8.00	7.31	-0.69
Houston Ship Channel	\$/MMBtu	5.32	5.86	0.54
Henry Hub Cash	\$/MMBtu	5.92	5.41	-0.51
AECO Cash	C\$/GJ	4.50	3.74	-0.76
Station2 Cash	C\$/GJ	4.31	8.75	4.44
Dawn Cash	C\$/GJ	5.58	5.58	0.00

Source: CME, Bloomberg

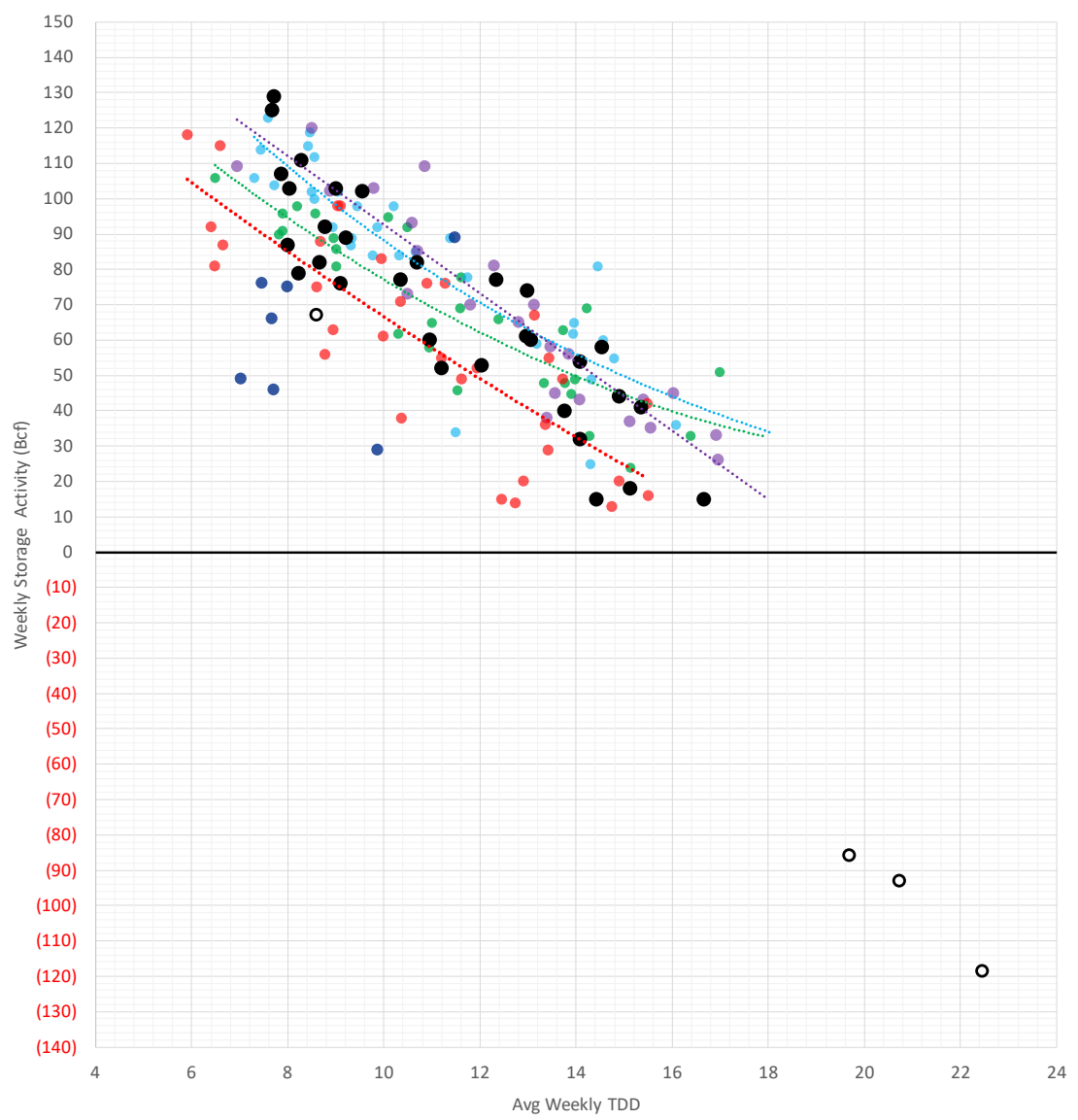
	Units	Current Price	vs. Last Week	vs. 4 Weeks Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 0.000
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.000
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -0.890
NatGas Apr22/Oct22	\$/MMBtu	1.532	▲ 0.000	▲ 0.000	▲ 1.511
WTI Crude	\$/Bbl	85.59	▼ -0.240	▲ 0.040	▲ 7.230
Brent Crude	\$/Bbl	92.86	▲ 0.210	▲ 0.450	▲ 12.580
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	361.36	▼ -4.270	▼ -29.070	▲ 124.920
Propane, Mt. Bel	cents/Gallon	0.87	▲ 0.002	▲ 0.026	▼ -0.397
Ethane, Mt. Bel	cents/Gallon	0.40	▲ 0.006	▼ -0.001	▼ -0.001
Coal, PRB	\$/MTon	12.30	▲ 0.000	▲ 0.000	▲ 0.000
Coal, PRB	\$/MMBtu	0.70			
Coal, ILB	\$/MTon	31.05	▲ 0.000	▲ 0.000	▲ 0.000
Coal, ILB	\$/MMBtu	1.32			



	DEC 22	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23	AUG 23	SEP 23	OCT 23	NOV 23
Henry Hub	\$6.290	\$6.689	\$6.465	\$5.679	\$4.829	\$4.807	\$4.894	\$4.976	\$4.983	\$4.925	\$4.968	\$5.287
JKL	\$25.885	\$25.960	\$25.760	\$25.610	\$26.135	\$26.465	\$27.385	\$28.030	\$28.930	\$28.290	\$28.915	\$29.845
JKL-HHub	\$19.595	\$19.271	\$19.295	\$19.931	\$21.306	\$21.658	\$22.491	\$23.054	\$23.947	\$23.365	\$23.947	\$24.558
TTF	\$34.847	\$37.166	\$37.904	\$37.963	\$37.749	\$37.622	\$37.655	\$37.663	\$37.646	\$37.714	\$37.547	\$38.374
TTF-HHub	\$28.557	\$30.477	\$31.439	\$32.284	\$32.920	\$32.815	\$32.761	\$32.687	\$32.663	\$32.789	\$32.579	\$33.087
NBP	\$32.117	\$37.788	\$38.885	\$37.749	\$36.694	\$34.513	\$33.535	\$33.272	\$33.342	\$33.606	\$33.500	\$35.668
NBP-HHub	\$25.827	\$31.099	\$32.420	\$32.070	\$31.865	\$29.706	\$28.641	\$28.296	\$28.359	\$28.681	\$28.532	\$30.381

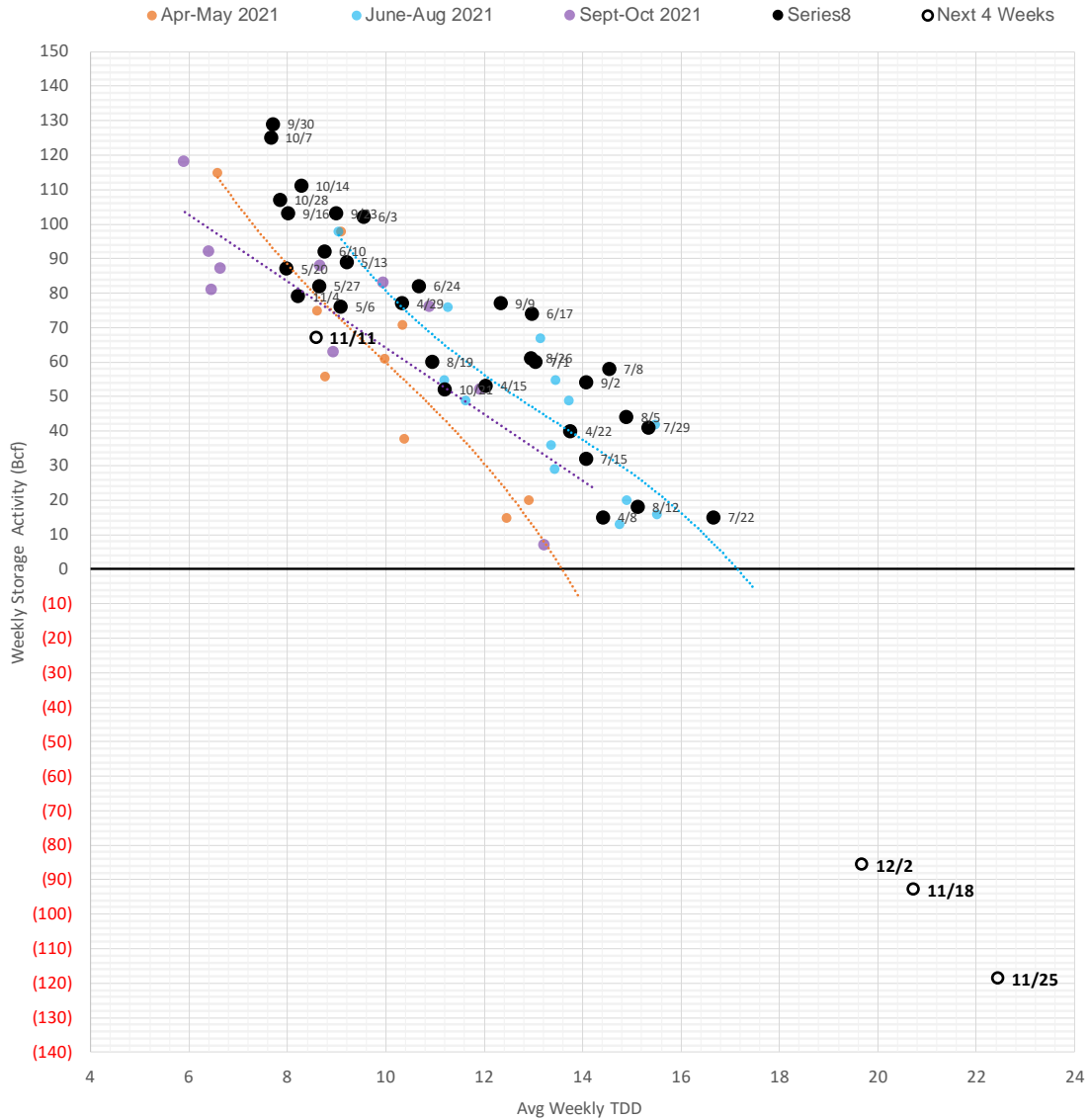
Weather Storage Model - Next 4 Week Forecast

● Summer 18 ● Summer 19 ● Summer 20 Apr-Aug ● Summer 20 Sept-Oct ● Summer 21 ● Summer 22 ○ Next 4 Weeks



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Weather Storage Model - Next 4 Week Forecast



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