

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 6.49	▼ \$ (0.45)	▲ \$ 0.19

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 91.15	▼ \$ (0.64)	▲ \$ 0.3

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 97.53	▼ \$ (0.39)	▲ \$ 0.5

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[Lower 48 Component Models](#)

[Regional S/D Models Storage Projection](#)

[Weather Model Storage Projection](#)

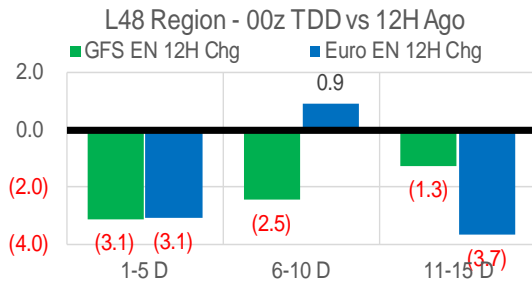
[Supply – Demand Trends](#)

[Nat Gas Options Volume and Open Interest](#)

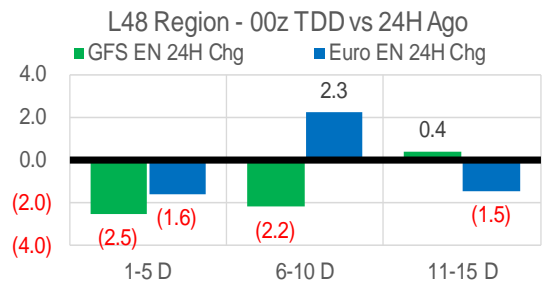
[Nat Gas Futures Open Interest](#)

[Price Summary](#)

Vs. 12H Ago



Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	99.9	▲ 0.15	▼ -0.17

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	29.0	▼ -1.08	▲ 0.11

	Current	Δ from YD	Δ from 7D Avg
US ResComm	21.4	▲ 3.09	▲ 5.47

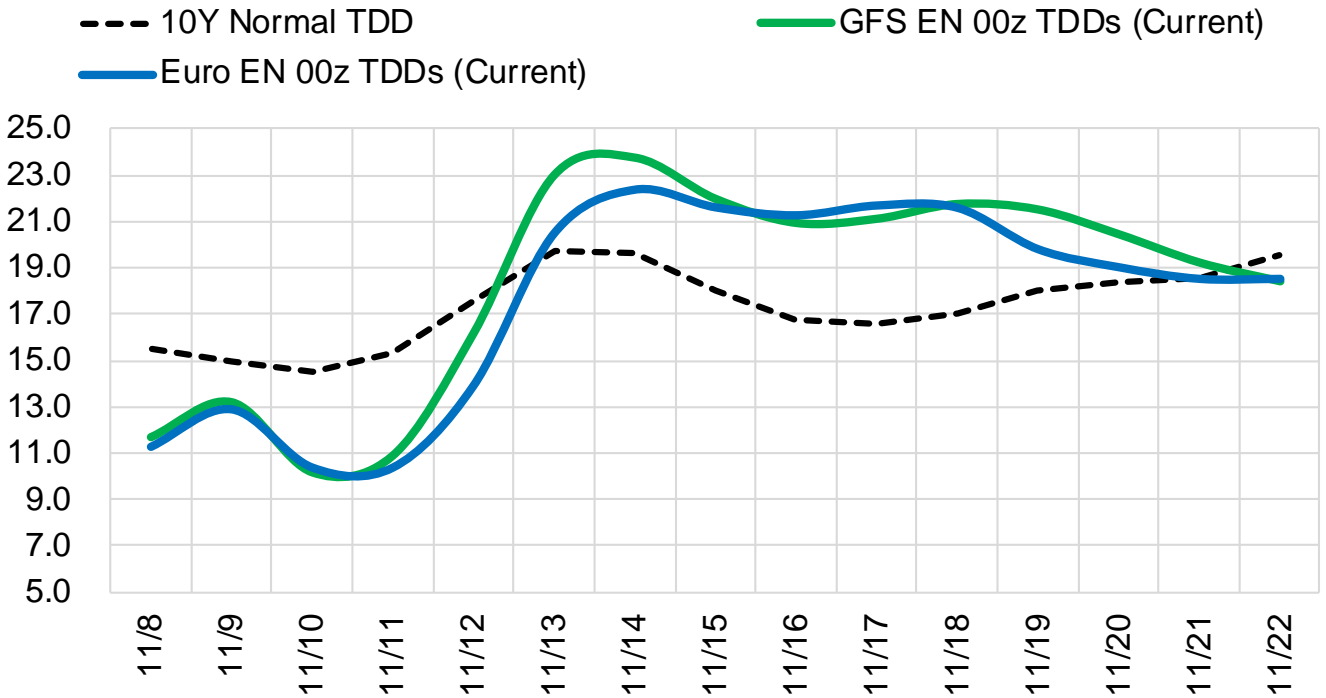
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	4.2	▲ 0.09	▲ 0.01

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	11.7	▼ -0.07	▲ 0.11

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.5	▲ 0.78	▲ 0.58

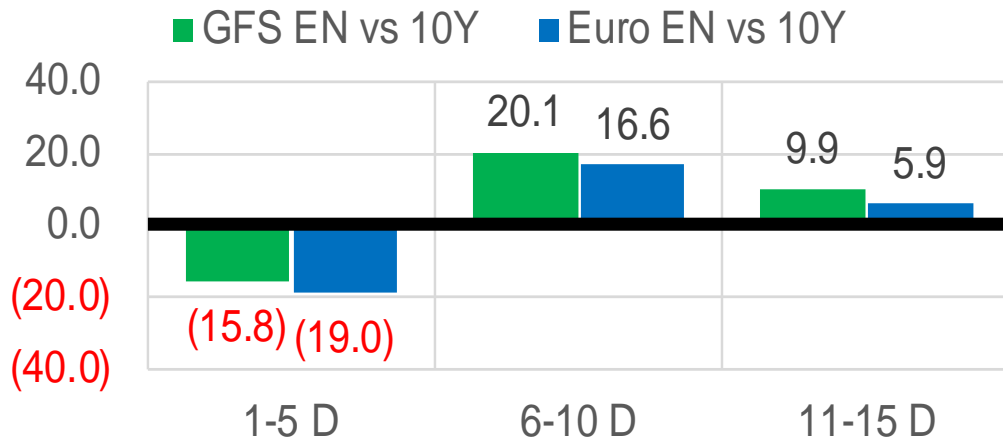
Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI , Bloomberg

Lower 48 Component Models

Daily Balances

	2-Nov	3-Nov	4-Nov	5-Nov	6-Nov	7-Nov	8-Nov	DoD	vs. 7D
Lower 48 Dry Production	100.7	100.8	101.0	99.2	99.5	99.8	99.9	▲ 0.1	▼ -0.2
Canadian Imports	4.2	4.0	4.3	4.0	4.1	4.1	4.2	▲ 0.1	▲ 0.1
L48 Power	29.8	28.8	28.2	27.1	28.2	30.1	29.0	▼ -1.1	▲ 0.3
L48 Residential & Commercial	16.0	16.8	15.4	14.9	14.9	18.3	21.4	▲ 3.1	▲ 5.3
L48 Industrial	21.3	21.9	22.4	23.0	23.3	23.7	23.9	▲ 0.1	▲ 1.3
L48 Lease and Plant Fuel	5.6	5.6	5.6	5.5	5.6	5.6	5.6	▼ 0.0	▼ 0.0
L48 Pipeline Distribution	2.6	2.6	2.5	2.4	2.5	2.8	2.9	▲ 0.1	▲ 0.3
L48 Regional Gas Consumption	75.3	75.7	74.1	73.0	74.4	80.5	82.7	▲ 2.2	▲ 7.2
Net LNG Delivered	11.71	11.11	11.25	12.28	11.75	11.81	11.74	▼ -0.1	▲ 0.1
Total Mexican Exports	6.1	6.4	6.1	5.3	5.5	5.7	6.5	▲ 0.8	▲ 0.6
Implied Daily Storage Activity	11.7	11.5	13.7	12.6	11.9	5.9	3.2		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	LY 5-Nov	7-Oct	14-Oct	21-Oct	LW 28-Oct	Current 4-Nov	WoW	vs. LY
Lower 48 Dry Production	96.0	101.8	101.7	100.4	101.1	101.0	▼ -0.1	▲ 5.0
Canadian Imports	5.5	6.0	5.5	6.1	5.3	4.9	▼ -0.4	▼ -0.6
L48 Power	30.3	30.5	30.7	30.8	28.9	29.5	▲ 0.5	-0.9
L48 Residential & Commercial	23.4	12.9	14.7	20.9	15.9	17.7	▲ 1.8	-5.6
L48 Industrial	22.0	20.8	20.3	20.0	21.1	21.1	▼ 0.0	-0.9
L48 Lease and Plant Fuel	5.4	5.7	5.7	5.6	5.6	5.6	▼ 0.0	0.3
L48 Pipeline Distribution	3.2	2.7	2.8	3.2	2.8	2.8	▲ 0.1	-0.3
L48 Regional Gas Consumption	84.2	72.6	74.1	80.6	74.3	76.7	▲ 2.4	▼ -7.5
Net LNG Exports	10.9	11.0	11.0	11.5	11.4	11.9	▲ 0.6	▲ 1.1
Total Mexican Exports	6.1	6.7	6.6	6.7	6.4	6.3	▼ -0.1	▲ 0.2
Implied Daily Storage Activity	0.3	17.5	15.6	7.7	14.3	11.0	-3.3	10.7
EIA Reported Daily Storage Activity	1.0	17.9	15.9	7.4	15.3			
Daily Model Error	-0.7	-0.4	-0.3	0.3	-1.0			

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	100.1	▼ -1.2	▲ 3.7
Canadian Imports	4.6	5.3	5.9	5.4	5.9	5.7	4.2	▼ -1.5	▼ -1.1
L48 Power	25.7	29.3	44.8	43.8	37.0	30.1	28.9	▼ -1.2	▼ -0.4
L48 Residential & Commercial	24.4	28.2	8.2	7.8	8.9	16.6	15.9	▼ -0.7	▼ -12.3
L48 Industrial	22.5	23.3	19.4	19.7	20.5	20.6	22.4	▲ 1.8	▼ -1.0
L48 Lease and Plant Fuel	5.0	5.4	5.5	5.5	5.5	5.7	5.6	▼ -0.1	▲ 0.2
L48 Pipeline Distribution	2.7	3.3	3.1	3.0	2.8	2.9	2.6	▼ -0.3	▼ -0.7
L48 Regional Gas Consumption	80.3	89.5	81.0	79.9	74.7	75.9	75.3	▼ -0.6	▼ -14.2
Net LNG Exports	10.1	11.4	10.9	11.0	11.5	11.3	11.6	▲ 0.3	▲ 0.2
Total Mexican Exports	6.1	6.1	7.0	6.9	6.7	6.6	5.9	▼ -0.6	▼ -0.2
Implied Daily Storage Activity	-0.7	-5.3	4.8	5.8	13.6	13.2	11.4		
EIA Reported Daily Storage Activity									
Daily Model Error					-0.5				

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	31-Oct	1-Nov	2-Nov	3-Nov	4-Nov	5-Nov	6-Nov	DoD	vs. 7D
NRC Nuclear Daily Output	74.8	75.8	76.0	75.3	76.8	76.8	76.8	0.0	0.9
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	30.1	29.0	28.9	29.6	28.1	28.1	28.1	0.0	-0.9
NRC % Nuclear Cap Utilization	76.0	77.1	77.3	76.5	78.1	78.1	78.1	0.0	0.9

Wind Generation Daily Average - MWh (EIA)

	31-Oct	1-Nov	2-Nov	3-Nov	4-Nov	5-Nov	6-Nov	DoD	vs. 7D
CALI Wind	429	2555	3579	3131	1283	2680	2791	111	514
TEXAS Wind	5260	11096	15614	20777	20596	13126	12252	-874	-2159
US Wind	24527	49216	70047	79068	73151	68099	47654	-20445	-13031

Generation Daily Average - MWh (EIA)

	31-Oct	1-Nov	2-Nov	3-Nov	4-Nov	5-Nov	6-Nov	DoD	vs. 7D
US Wind	24527	49216	70047	79068	73151	68099	47654	-20445	-13031
US Solar	10917	10924	10357	9650	10931	10327	10489	163	-28
US Petroleum	1023	1013	1054	921	975	939	960	22	-27
US Other	9639	10309	10047	9846	9369	9675	8775	-900	-1039
US Coal	83178	75586	65479	62907	67308	62676	46465	-16211	-23058
US Nuke	78864	79717	79836	79692	80475	79897	68943	-10954	-10804
US Hydro	22359	24075	23119	23760	22568	20066	19434	-632	-3223
US Gas	172246	159233	153835	151603	148883	138788	123851	-14937	-30247

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Storage Week Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)

	5-Nov	7-Oct	14-Oct	21-Oct	28-Oct	4-Nov	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	72.2	80.5	76.2	74.4	74.4	76.0	1.6	-0.3
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	32.7	24.4	28.7	30.5	30.5	28.9	-1.6	
NRC % Nuclear Cap Utilization	73.4	81.9	77.5	75.6	75.6	77.2	1.6	

Wind Generation Weekly Average - MWh (EIA)

	5-Nov	7-Oct	14-Oct	21-Oct	28-Oct	4-Nov	WoW	WoW Bcf/d Impact
CALI Wind	1669	1370	1087	944	1974	1641	-333	0.1
TEXAS Wind	8472	6160	7842	9710	17228	10904	-6324	1.2
US Wind	35268	32707	41063	45195	64747	44699	-20049	3.8
							-31%	
							-0.4	

Generation Weekly Average - MWh (EIA)

	5-Nov	7-Oct	14-Oct	21-Oct	28-Oct	4-Nov	LY	Current	WoW	WoW Bcf/d Impact
US Wind	35268	32707	41063	45195	64747	44699			-20049	3.8
US Solar	9998	15455	14503	14347	13730	11198			-2531	0.5
US Petroleum	1057	664	842	1054	933	990			57	0.0
US Other	9317	10812	11273	11285	9072	9871			799	-0.1
US Coal	80036	74744	76322	79517	69841	75079			5238	-1.0
US Nuke	76098	83242	77235	76583	77718	79723			2005	-0.4
US Hydro	25833	21917	20001	19318	19097	21587			2489	-0.5
US Gas	162947	171116	170286	162314	148038	157516			9478	1.8

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	75.8	73.9	90.5	86.2	76.2	76.4	75.3	0.2
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	29.1	31.0	14.3	18.7	28.7	28.5	29.6	-0.2	-1.4
NRC % Nuclear Cap Utilization	77.0	75.1	92.1	87.7	77.4	77.7	76.5	0.2	1.4

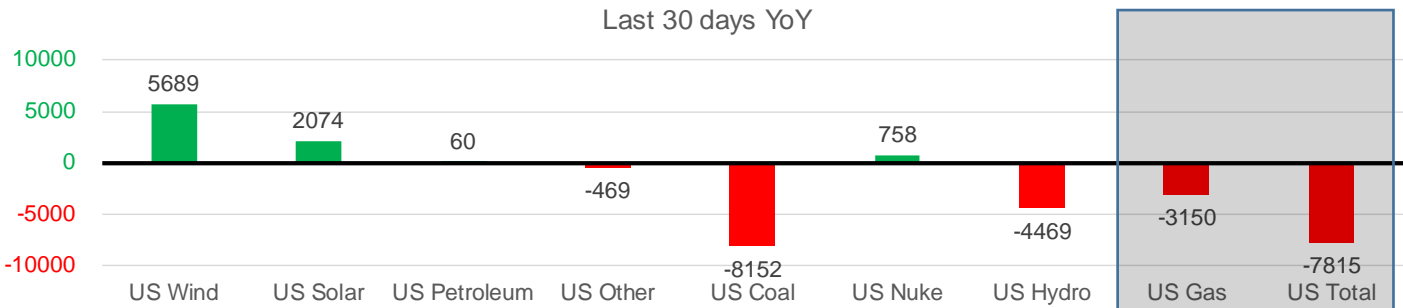
Wind Generation Monthly Average - MWh (EIA)

	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	1324	1830	2028	1608	1239	2700	1642	1461
TEXAS Wind	10386	12185	8440	7993	9916	14746	12476	4830	291
US Wind	42512	46710	33222	38270	43698	60318	52399	16620	5689

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	42512	46710	33222	38270	43698	60318	52399	▼-7918.6
US Solar	7796	10733	16962	16163	14141	10457	12807	▲ 2349.7	▲ 2074
US Petroleum	790	935	1251	864	899	973	995	▲ 22	▲ 60
US Other	8654	10567	10597	10512	10489	9446	10098	▲ 652	▼ -469
US Coal	84614	79480	117203	92002	75808	59169	71329	▲ 12160	▼ -8152
US Nuke	79240	76259	92976	89057	78133	75806	77016	▲ 1211	▲ 758
US Hydro	26315	24552	30192	25202	19926	21486	20082	▼ -1404	▼ -4469
US Gas	151289	157544	233739	200112	162250	140487	154394	▲ 7071	▼ -3150
US Total	399850	406903	535696	470765	405664	378364	399089	▲ 22061	▼ -7815

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

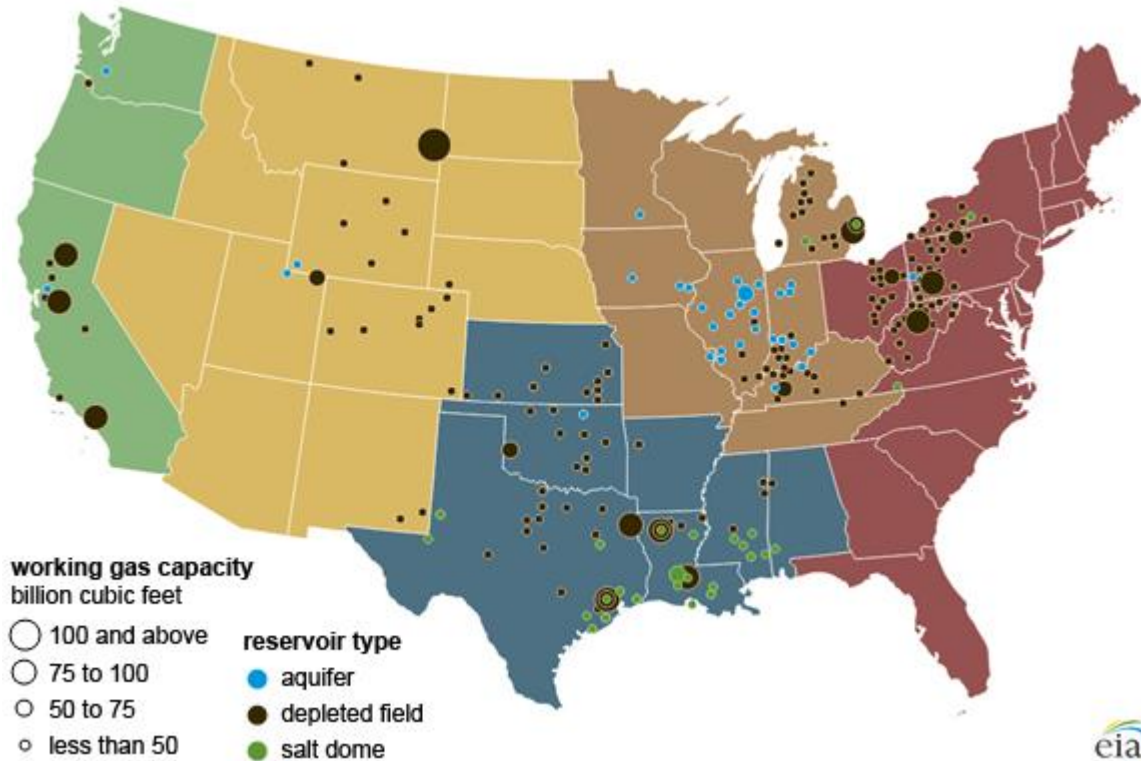
Regional S/D Models Storage Projection

Week Ending 4-Nov

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	12.0	-0.6	11.5	80
East	0.0	2.4	2.4	17
Midwest	3.5	0.5	4.0	28
Mountain	4.8	-4.1	0.7	5
South Central	3.8	1.0	4.8	33
Pacific	0.0	-0.4	-0.4	-3

*Adjustment Factor is calculated based on historical regional deltas

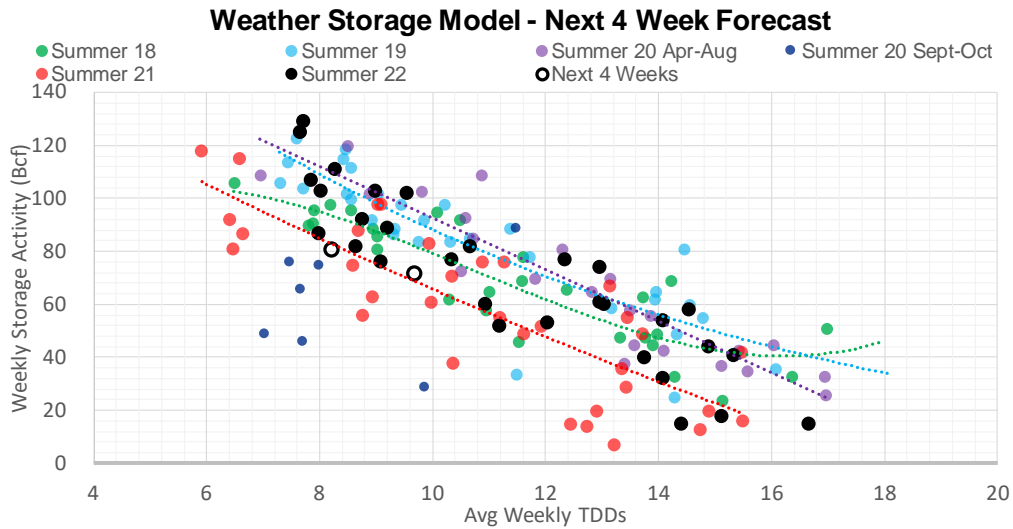
U.S. underground natural gas storage facilities by type (July 2015)



Weather Model Storage Projection

Next report and beyond

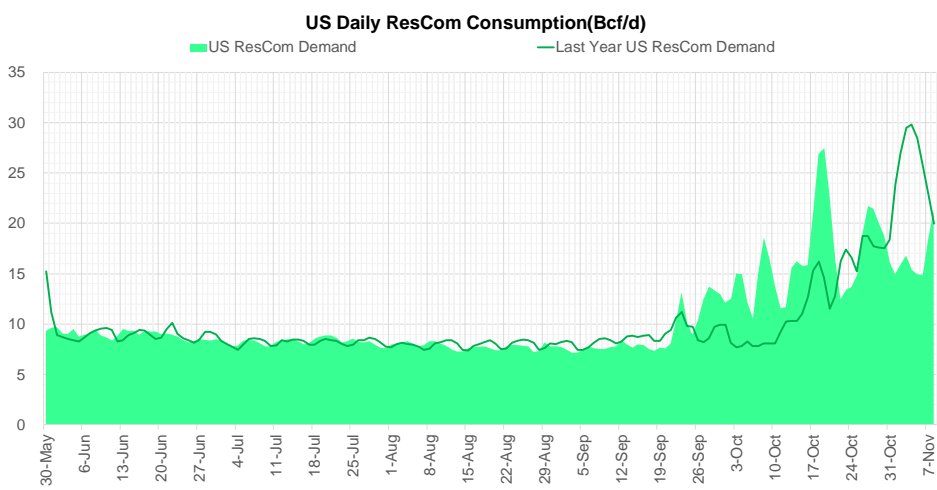
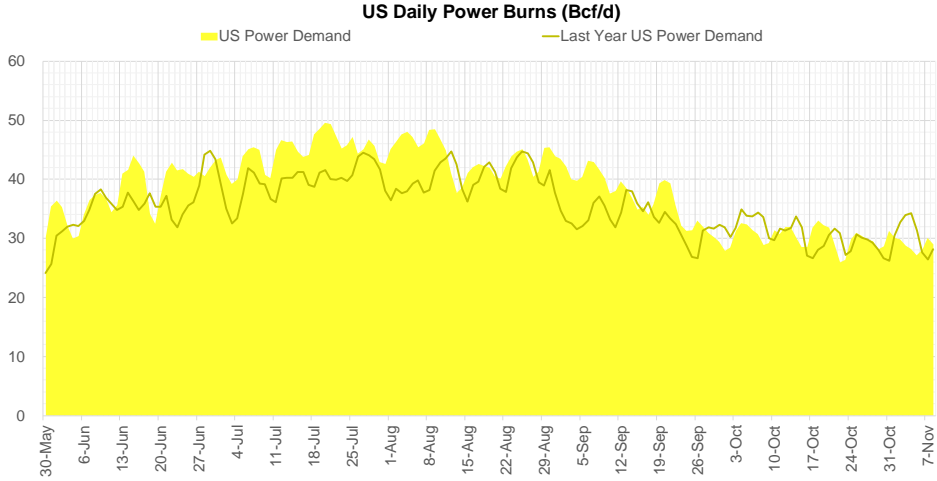
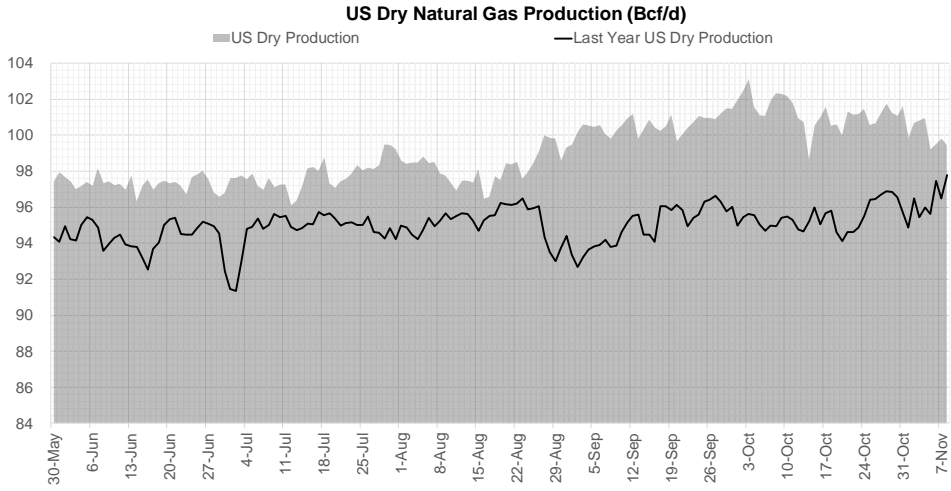
Week Ending	GWDDs	Week Storage Projection
04-Nov	8.2	80
11-Nov	9.7	71
18-Nov		
25-Nov		



Go to larger image



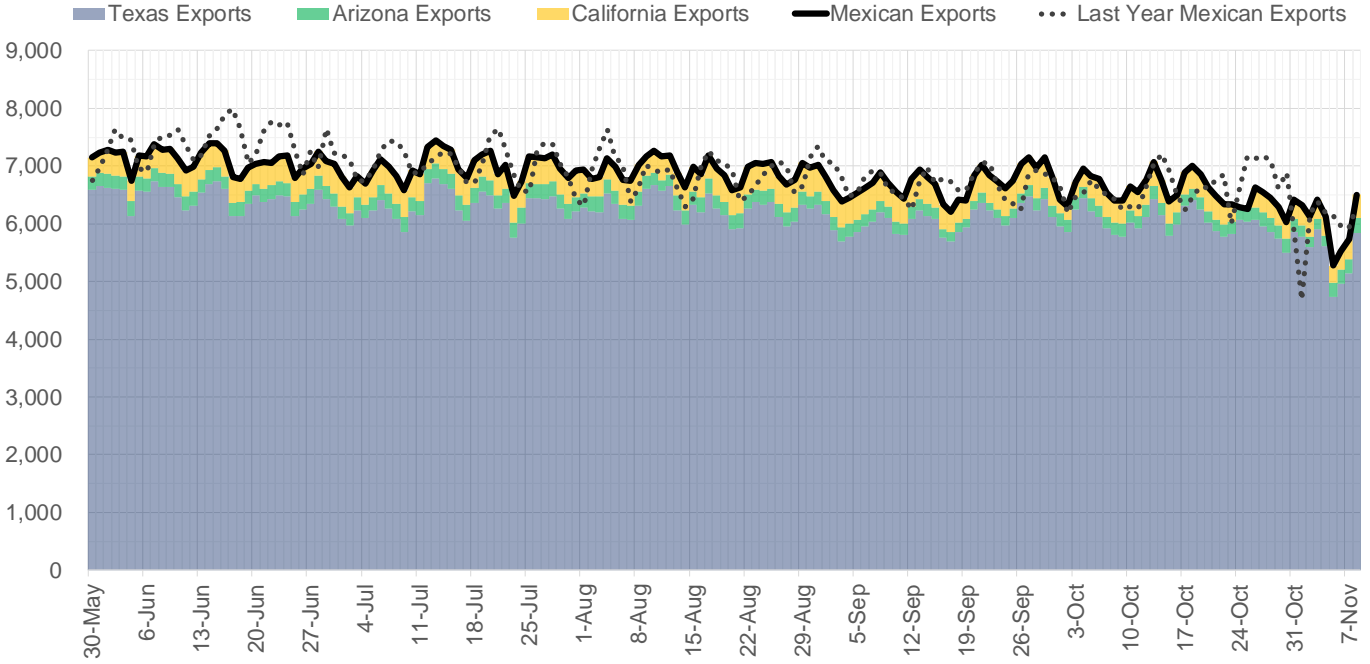
Supply – Demand Trends



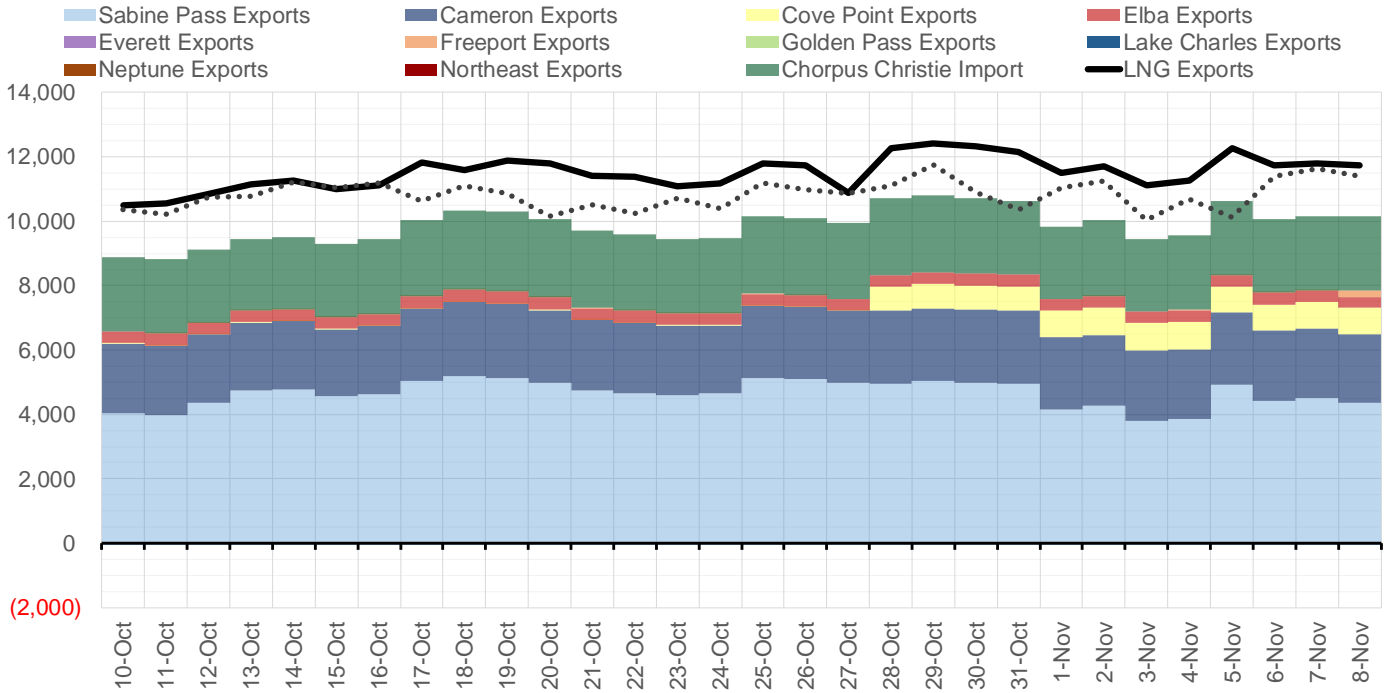
Source: Bloomberg

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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

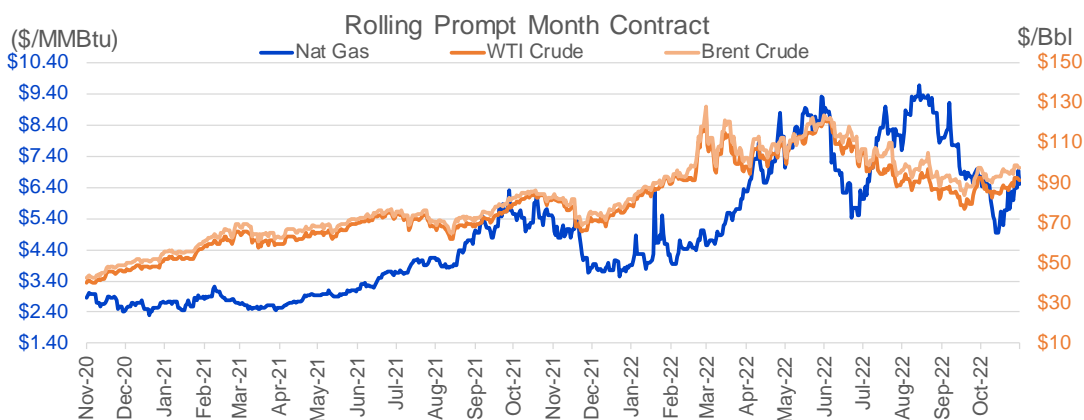
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
12	2022	P	5.00	10381	12	2022	P	4.00	55708
12	2022	P	6.00	9331	12	2022	P	5.00	37876
1	2023	P	5.00	8687	12	2022	P	4.50	32913
12	2022	P	5.50	6833	5	2023	P	2.00	29854
1	2023	P	4.50	5673	12	2022	P	6.00	28761
12	2022	C	10.00	5232	12	2022	C	10.00	28130
12	2022	P	4.00	4899	10	2023	P	3.00	26935
12	2022	P	4.50	4686	12	2022	P	3.50	25650
12	2022	C	8.00	4148	1	2023	C	10.00	25220
10	2023	P	3.00	3600	3	2023	C	10.00	23741
3	2023	P	3.00	3573	1	2023	P	5.00	23733
3	2023	P	3.50	3164	4	2023	P	3.00	23348
12	2022	C	6.00	2736	3	2023	P	4.00	22848
1	2023	C	10.00	2210	4	2023	P	2.00	22284
12	2022	C	8.50	2200	4	2023	P	3.50	21991
1	2023	P	7.00	2200	2	2023	C	10.00	21742
12	2022	C	7.00	2142	10	2023	P	2.00	21210
2	2023	P	4.25	2061	5	2023	P	3.00	19883
1	2023	P	5.50	1908	12	2022	C	8.00	19843
1	2023	C	6.65	1900	1	2023	P	3.00	19679
1	2023	C	6.85	1900	10	2023	P	4.00	19526
12	2022	C	7.50	1835	12	2022	P	3.00	19516
12	2022	C	9.00	1819	10	2023	P	2.50	19450
1	2023	P	6.00	1810	6	2023	P	3.00	19190
4	2023	P	3.00	1800	4	2023	P	4.00	19055
5	2023	P	3.00	1800	6	2023	P	3.50	18925
6	2023	P	3.00	1800	3	2023	C	20.00	18920
7	2023	P	3.00	1800	1	2023	P	4.00	18696
8	2023	P	3.00	1800	3	2023	P	3.00	18590
9	2023	P	3.00	1800	6	2023	P	2.00	18559
1	2023	P	3.50	1677	5	2023	P	3.50	18460
1	2023	P	4.00	1643	12	2022	C	7.00	18422
2	2023	C	7.00	1641	12	2022	C	5.00	18366
2	2023	C	10.00	1639	8	2023	P	3.00	18241
12	2022	P	6.50	1522	7	2023	P	3.00	18240
12	2022	P	3.00	1512	9	2023	P	3.00	18140
4	2023	P	2.00	1500	8	2023	P	2.00	17852
5	2023	P	2.00	1500	9	2023	P	2.00	17803
6	2023	P	2.00	1500	7	2023	P	2.00	17652
7	2023	P	2.00	1500	10	2023	P	3.50	17558
8	2023	P	2.00	1500	5	2023	P	4.00	17476
9	2023	P	2.00	1500	12	2022	C	6.00	17467
10	2023	P	2.00	1500	9	2023	P	4.00	17406
12	2022	C	15.00	1406	12	2022	P	5.50	17377
3	2023	C	7.00	1378	6	2023	P	4.00	17368
2	2023	C	7.10	1300	8	2023	P	3.50	17111
4	2023	C	5.50	1300	7	2023	P	3.50	16979
12	2022	P	3.50	1073	9	2023	P	3.50	16969
4	2023	P	2.50	1070	2	2023	C	8.00	16354
					3	2023	C	8	16261

Source: CME, ICE

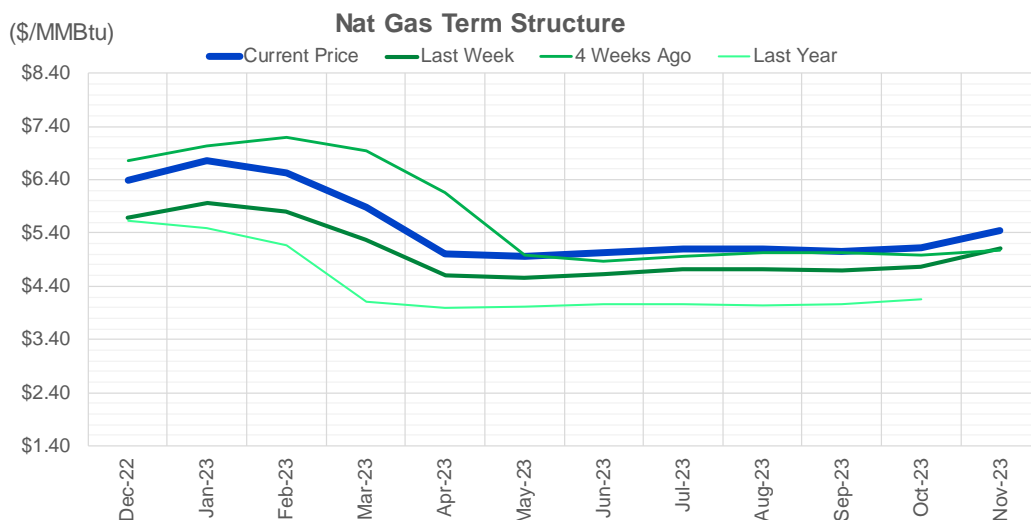
Nat Gas Futures Open Interest CME and ICE Combined

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	82435	88428	-5993	DEC 22	88582	85262	3320
JAN 23	145119	142062	3057	JAN 23	75499	73936	1564
FEB 23	62024	60548	1476	FEB 23	66329	66497	-168
MAR 23	99756	100951	-1195	MAR 23	61360	60820	540
APR 23	83145	82000	1145	APR 23	57958	57504	454
MAY 23	89538	86856	2682	MAY 23	59943	59808	135
JUN 23	23837	23789	48	JUN 23	49587	49670	-83
JUL 23	33473	33419	54	JUL 23	49982	49812	170
AUG 23	25276	24251	1025	AUG 23	47533	47382	151
SEP 23	30025	30076	-51	SEP 23	46073	45938	135
OCT 23	52051	52070	-19	OCT 23	59002	57664	1338
NOV 23	21292	21065	227	NOV 23	47772	47676	96
DEC 23	30886	29855	1031	DEC 23	43155	42369	786
JAN 24	35957	36309	-352	JAN 24	46410	46514	-105
FEB 24	12082	11955	127	FEB 24	30648	30873	-225
MAR 24	23484	23323	161	MAR 24	37847	37779	68
APR 24	22178	21667	511	APR 24	30806	30633	173
MAY 24	10002	10037	-35	MAY 24	30035	29811	224
JUN 24	3465	3507	-42	JUN 24	26737	26597	140
JUL 24	4857	4639	218	JUL 24	25659	25442	217
AUG 24	4527	4024	503	AUG 24	25084	24876	208
SEP 24	3248	3169	79	SEP 24	25015	24819	196
OCT 24	9652	9700	-48	OCT 24	29679	29426	253
NOV 24	4939	4936	3	NOV 24	26461	26296	166
DEC 24	8843	8854	-11	DEC 24	30304	30172	132
JAN 25	18387	18177	210	JAN 25	24602	24596	6
FEB 25	1814	1804	10	FEB 25	15759	15784	-25
MAR 25	6310	6321	-11	MAR 25	17731	17696	35
APR 25	6489	5738	751	APR 25	16539	16545	-6
MAY 25	2749	2668	81	MAY 25	15714	15746	-32

Source: CME, ICE



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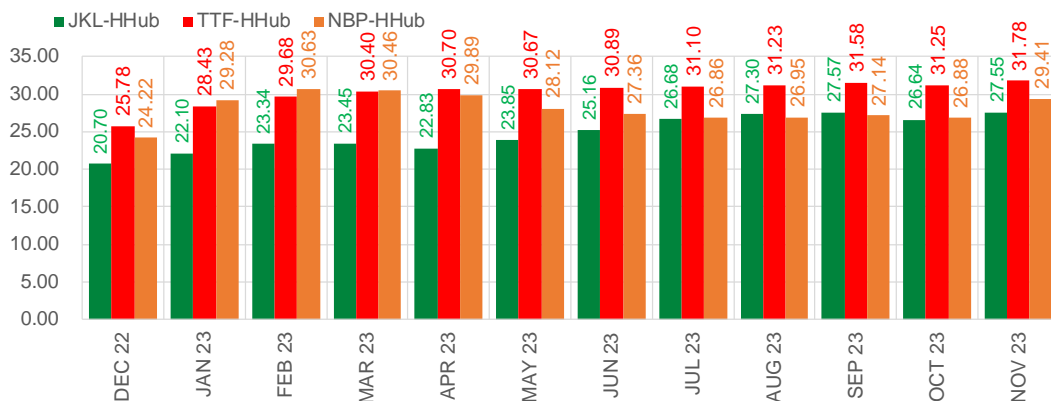
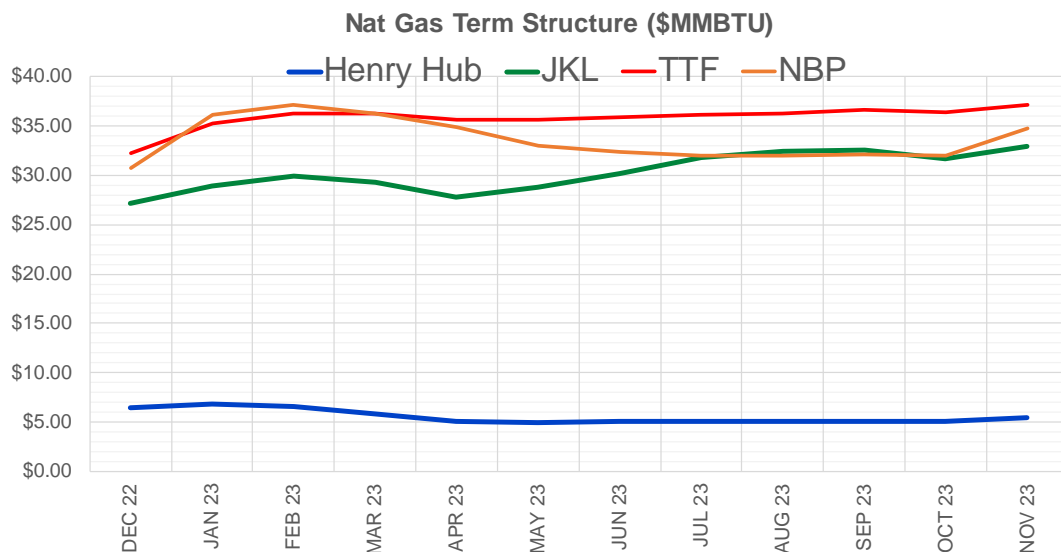


	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
Current Price	\$6.400	\$6.754	\$6.529	\$5.873	\$5.018	\$4.961	\$5.025	\$5.094	\$5.106	\$5.055	\$5.111	\$5.446
Last Week	\$5.684	\$5.953	\$5.794	\$5.276	\$4.601	\$4.556	\$4.630	\$4.708	\$4.727	\$4.688	\$4.756	\$5.116
vs. Last Week	\$0.716	\$0.801	\$0.735	\$0.597	\$0.417	\$0.405	\$0.395	\$0.386	\$0.379	\$0.367	\$0.355	\$0.330
4 Weeks Ago	\$6.748	\$7.047	\$7.203	\$6.940	\$6.161	\$4.976	\$4.872	\$4.950	\$5.027	\$5.032	\$4.993	\$5.065
vs. 4 Weeks Ago	-\$0.348	-\$0.293	-\$0.674	-\$1.067	-\$1.143	-\$0.015	\$0.153	\$0.144	\$0.079	\$0.023	\$0.118	\$0.381
Last Year	\$5.516	\$5.626	\$5.494	\$5.161	\$4.102	\$3.996	\$4.021	\$4.060	\$4.065	\$4.045	\$4.072	\$4.146
vs. Last Year	\$0.884	\$1.128	\$1.035	\$0.712	\$0.916	\$0.965	\$1.004	\$1.034	\$1.041	\$1.010	\$1.039	\$1.300

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	4.00	18.51	14.51
TETCO M3	\$/MMBtu	3.25	8.15	4.90
FGT Zone 3	\$/MMBtu	3.15	6.65	3.50
Zone 6 NY	\$/MMBtu	3.15	8.86	5.71
Chicago Citygate	\$/MMBtu	4.00	6.41	2.41
Michcon	\$/MMBtu	4.00	5.87	1.87
Columbia TCO Pool	\$/MMBtu	3.10	5.57	2.47
Ventura	\$/MMBtu	3.80	6.79	2.99
Rockies/Opal	\$/MMBtu	6.51	6.36	-0.15
El Paso Permian Basin	\$/MMBtu	3.50	4.79	1.29
Socal Citygate	\$/MMBtu	9.40	7.98	-1.42
Malin	\$/MMBtu	7.30	7.04	-0.26
Houston Ship Channel	\$/MMBtu	3.35	6.04	2.69
Henry Hub Cash	\$/MMBtu	4.20	5.85	1.65
AECO Cash	C\$/GJ	4.57	4.64	0.07
Station2 Cash	C\$/GJ	0.59	8.42	7.83
Dawn Cash	C\$/GJ	4.41	6.00	1.59

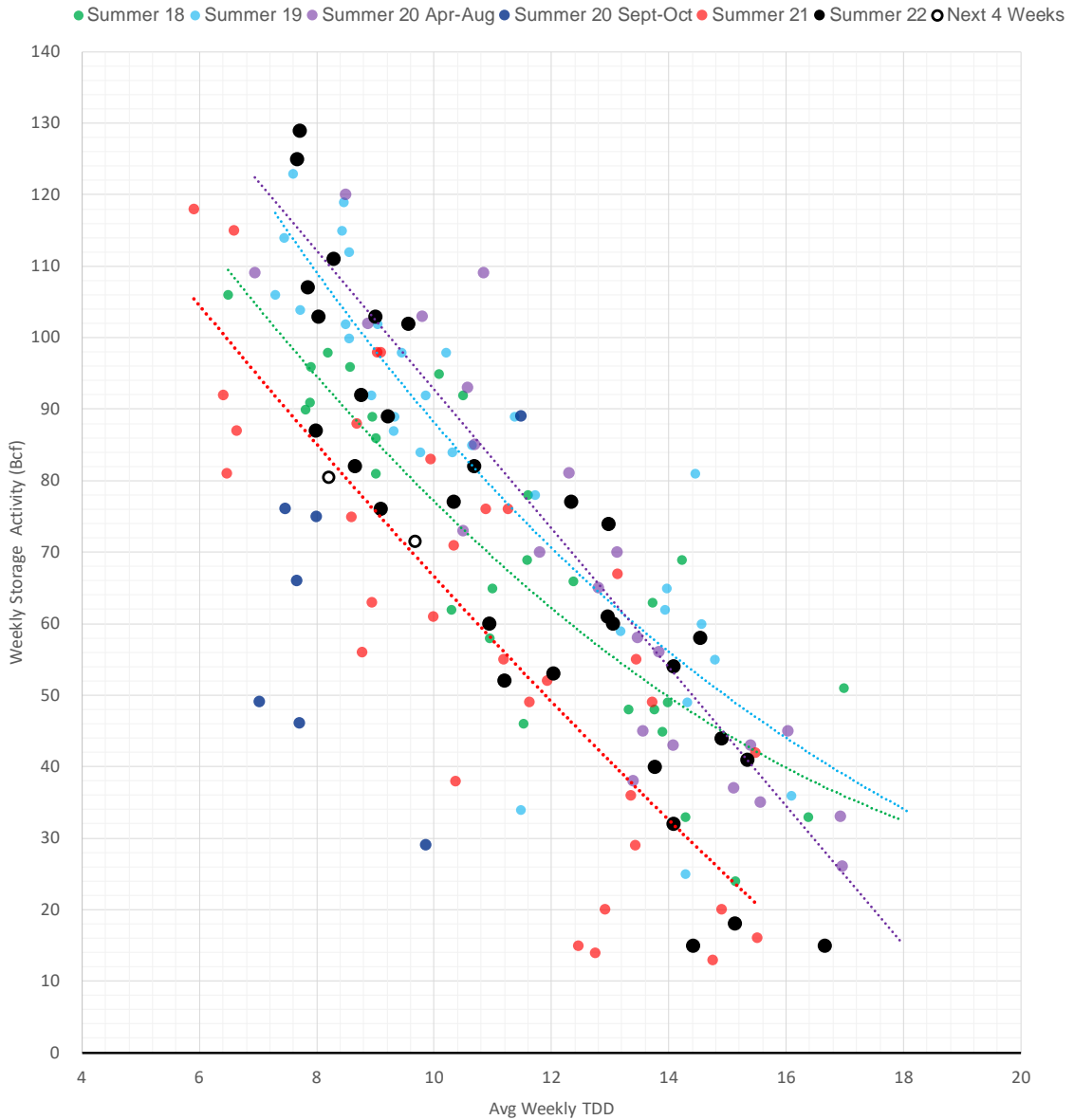
Source: CME, Bloomberg

	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	▼ -1.481
NatGas Apr22/Oct22	\$/MMBtu	1.532	▲ 0.000	▲ 0.000	▲ 1.552
WTI Crude	\$/Bbl	91.79	▲ 5.260	▲ 0.660	▲ 9.860
Brent Crude	\$/Bbl	97.92	▲ 3.090	▲ 1.730	▲ 14.490
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	378.11	▼ -40.980	▼ -13.360	▲ 131.400
Propane, Mt. Bel	cents/Gallon	0.90	▲ 0.040	▲ 0.013	▼ -0.491
Ethane, Mt. Bel	cents/Gallon	0.42	▲ 0.019	▲ 0.006	▼ -0.004
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			

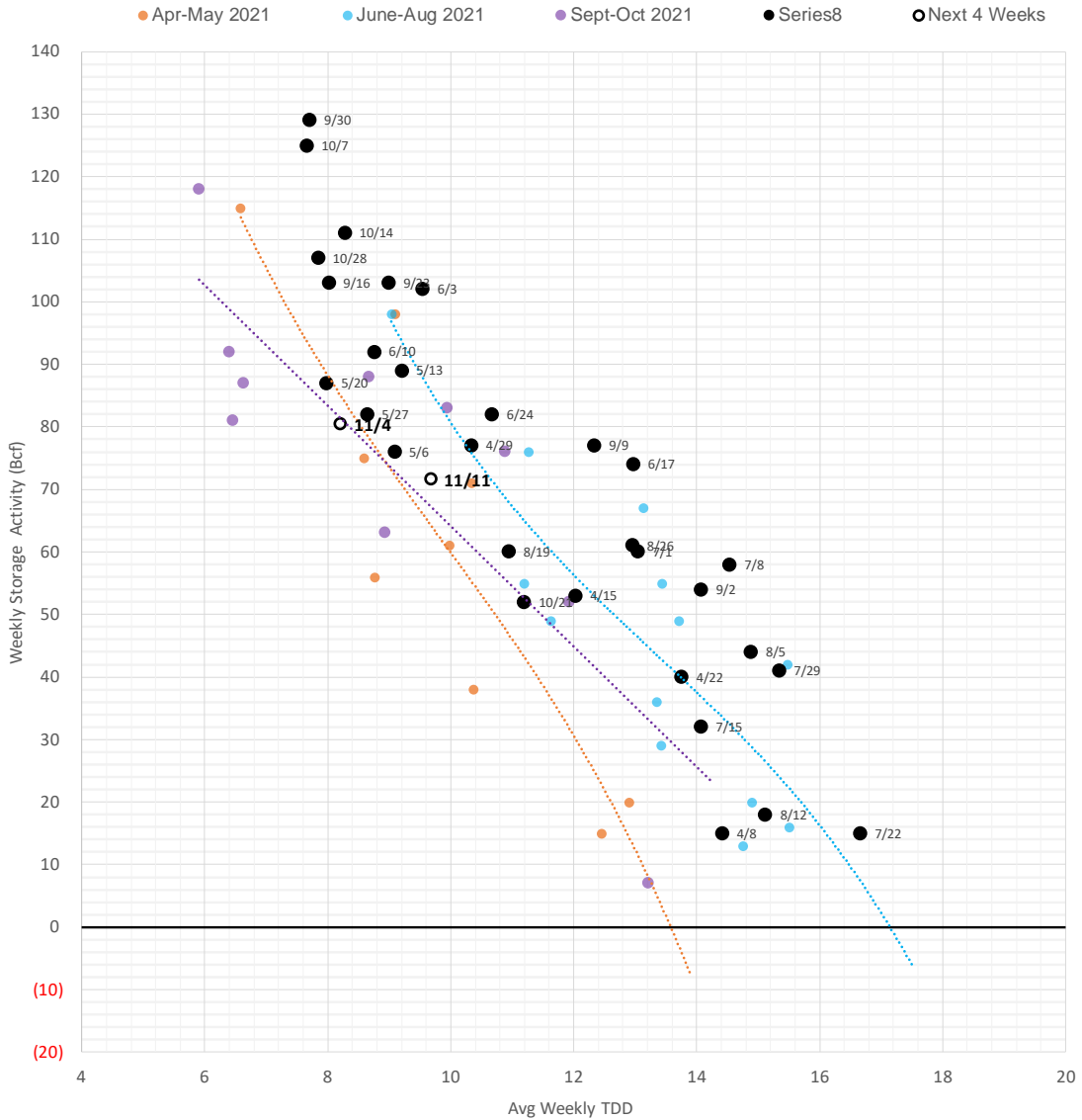


	DEC 22	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23	AUG 23	SEP 23	OCT 23	NOV 23
Henry Hub	\$6.493	\$6.863	\$6.591	\$5.830	\$5.009	\$4.956	\$5.024	\$5.114	\$5.107	\$5.050	\$5.102	\$5.420
JKL	\$27.195	\$28.960	\$29.935	\$29.280	\$27.835	\$28.810	\$30.180	\$31.790	\$32.410	\$32.620	\$31.740	\$32.965
JKL-HHHub	\$20.702	\$22.097	\$23.344	\$23.450	\$22.826	\$23.854	\$25.156	\$26.676	\$27.303	\$27.570	\$26.638	\$27.545
TTF	\$32.268	\$35.295	\$36.270	\$36.233	\$35.713	\$35.622	\$35.917	\$36.212	\$36.335	\$36.626	\$36.350	\$37.204
TTF-HHHub	\$25.775	\$28.432	\$29.679	\$30.403	\$30.704	\$30.666	\$30.893	\$31.098	\$31.228	\$31.576	\$31.248	\$31.784
NBP	\$30.708	\$36.141	\$37.224	\$36.285	\$34.900	\$33.080	\$32.388	\$31.978	\$32.057	\$32.190	\$31.977	\$34.830
NBP-HHHub	\$24.215	\$29.278	\$30.633	\$30.455	\$29.891	\$28.124	\$27.364	\$26.864	\$26.950	\$27.140	\$26.875	\$29.410

Weather Storage Model - Next 4 Week Forecast



Weather Storage Model - Next 4 Week Forecast



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