

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 6.22	▼ \$ (0.14)	▲ \$ 0.53

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 88.23	▲ \$ 1.70	▲ \$ 0.7

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 94.59	▼ \$ (0.24)	▼ \$ (0.9)

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[Lower 48 Component Models](#)

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

[Weather Model Storage Projection](#)

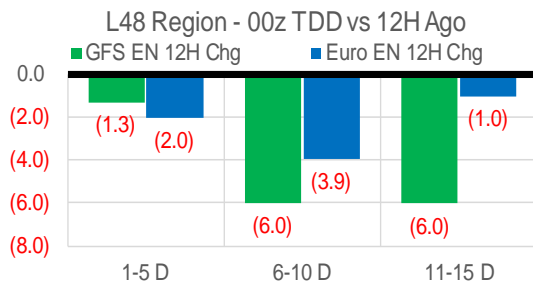
[Supply – Demand Trends](#)

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

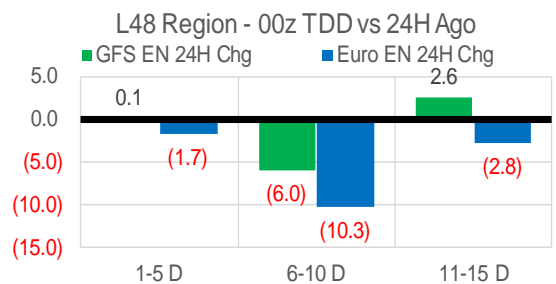
[Nat Gas Futures Open Interest](#)

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Vs. 12H Ago



Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	98.2	▼ -3.56	▼ -3.01

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	29.9	▼ -1.47	▲ 0.08

	Current	Δ from YD	Δ from 7D Avg
US ResComm	15.6	▼ -0.78	▼ -3.31

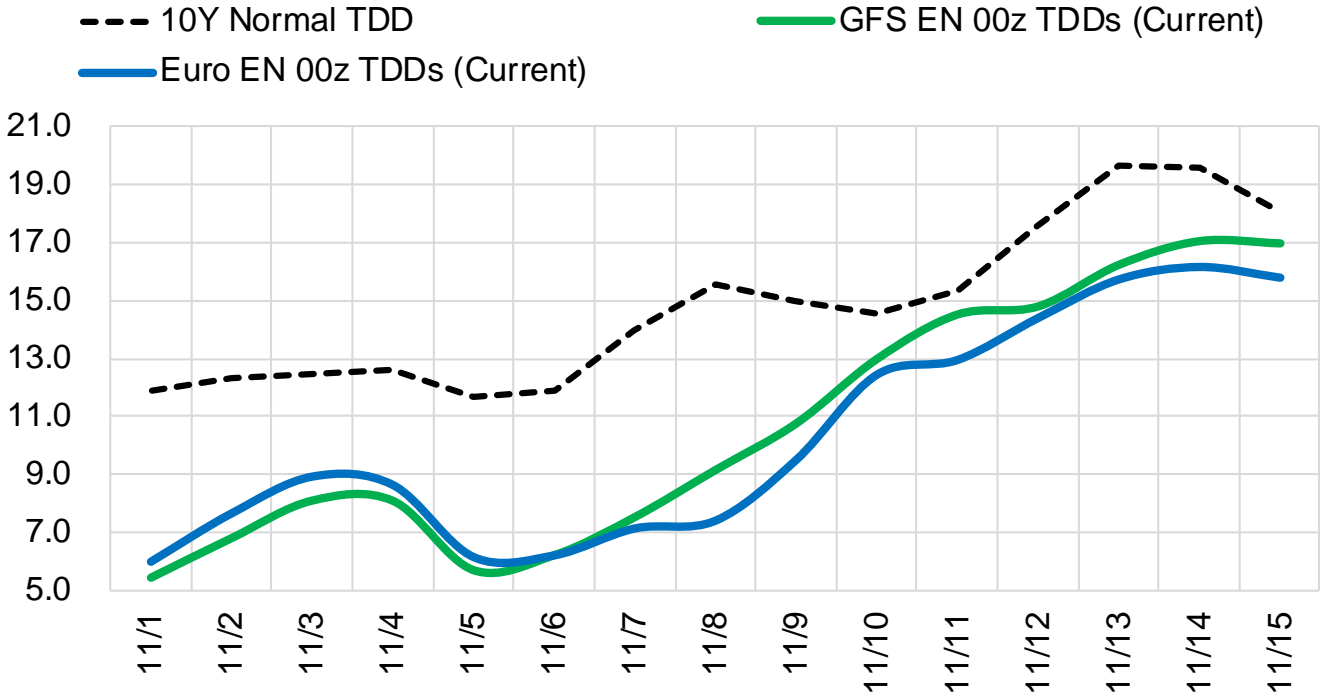
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	4.6	▼ -1.02	▼ -0.71

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	11.2	▼ -0.95	▼ -0.72

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	5.8	▼ -0.66	▼ -0.59

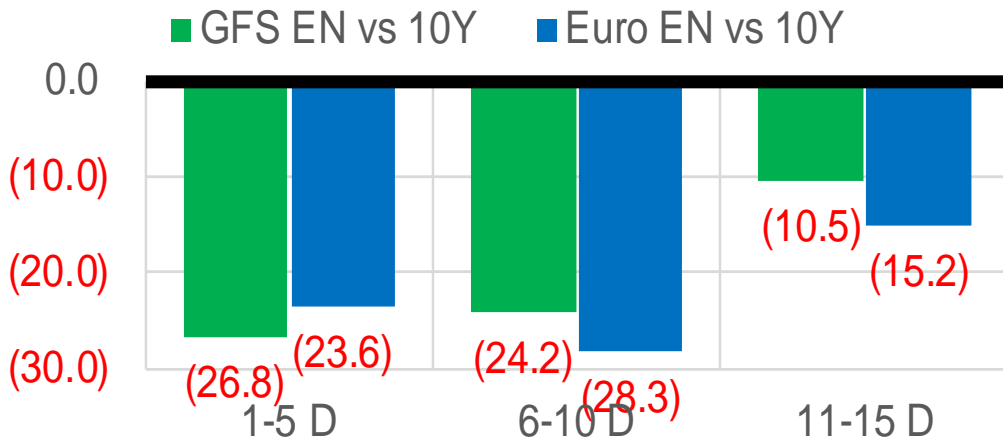
Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI, Bloomberg

Lower 48 Component Models

Daily Balances

	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct	1-Nov	DoD	vs. 7D
Lower 48 Dry Production	100.6	101.2	101.8	101.4	101.2	101.8	98.2	▼ -3.6	▼ -3.1
Canadian Imports	5.2	5.3	5.1	5.1	5.8	5.6	4.6	▼ -1.0	▼ -0.7
L48 Power	30.4	29.8	29.5	28.0	28.6	31.3	29.9	▼ -1.5	▲ 0.3
L48 Residential & Commercial	18.9	21.7	21.5	20.0	18.8	16.3	15.6	▼ -0.8	▼ -4.0
L48 Industrial	22.1	22.1	21.9	21.5	21.3	21.2	21.1	▼ -0.1	▼ -0.6
L48 Lease and Plant Fuel	5.6	5.7	5.7	5.7	5.7	5.7	5.5	▼ -0.2	▼ -0.2
L48 Pipeline Distribution	3.0	3.2	3.1	3.0	2.9	2.9	2.6	▼ -0.3	▼ -0.4
L48 Regional Gas Consumption	80.0	82.4	81.6	78.1	77.3	77.5	74.6	▼ -2.9	▼ -4.9
Net LNG Delivered	11.73	10.89	12.27	12.41	12.32	12.16	11.21	▼ -0.9	▼ -0.7
Total Mexican Exports	6.5	6.5	6.5	6.4	6.0	6.4	5.8	▼ -0.7	▼ -0.6
Implied Daily Storage Activity	7.6	6.7	6.5	9.6	11.4	11.3	11.3		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	LY				LW	Current		
	29-Oct	30-Sep	7-Oct	14-Oct	21-Oct	28-Oct	WoW	vs. LY
Lower 48 Dry Production	95.9	101.0	101.8	101.7	100.4	101.1	▲ 0.6	▲ 5.1
Canadian Imports	5.6	6.2	6.0	5.5	6.1	5.3	▼ -0.8	▼ -0.3
L48 Power	29.4	31.5	30.5	30.7	30.8	28.9	▼ -1.9	-0.4
L48 Residential & Commercial	17.3	11.7	12.9	14.7	20.9	15.9	▼ -5.0	-1.3
L48 Industrial	20.8	19.7	20.8	20.3	20.0	21.4	▲ 1.4	0.6
L48 Lease and Plant Fuel	5.4	5.6	5.7	5.7	5.6	5.6	▲ 0.0	0.3
L48 Pipeline Distribution	2.9	2.7	2.7	2.8	3.2	2.8	▼ -0.4	-0.1
L48 Regional Gas Consumption	75.6	71.3	72.6	74.1	80.6	74.7	▼ -5.9	▼ -1.0
Net LNG Exports	10.8	11.8	11.0	11.0	11.5	11.4	▼ -0.1	▲ 0.6
Total Mexican Exports	6.9	6.9	6.7	6.6	6.7	6.4	▼ -0.3	▼ -0.5
Implied Daily Storage Activity	8.2	17.2	17.5	15.6	7.7	14.0	6.3	5.7
EIA Reported Daily Storage Activity	9.0	18.4	17.9	15.9	7.4			
Daily Model Error	-0.8	-1.2	-0.3	-0.3	0.2			

Monthly Balances

	2Yr Ago	LY				MTD			
	Nov-20	Nov-21	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	MoM	vs. LY
Lower 48 Dry Production	91.2	96.4	97.3	97.8	98.2	100.6	101.3	▲ 0.7	▲ 4.8
Canadian Imports	4.6	5.3	5.7	5.9	5.4	5.9	5.7	▼ -0.3	▲ 0.4
L48 Power	25.7	29.3	38.4	44.8	43.8	37.0	30.1	▼ -6.8	▲ 0.8
L48 Residential & Commercial	24.4	28.2	8.9	8.2	7.8	8.9	16.6	▲ 7.7	▼ -11.6
L48 Industrial	22.5	23.3	19.0	19.4	19.7	20.5	20.8	▲ 0.3	▼ -2.6
L48 Lease and Plant Fuel	5.0	5.4	5.5	5.5	5.5	5.5	5.7	▲ 0.1	▲ 0.3
L48 Pipeline Distribution	2.7	3.3	2.9	3.1	3.0	2.8	2.9	▲ 0.0	▼ -0.4
L48 Regional Gas Consumption	80.3	89.5	74.6	81.0	79.9	74.7	76.0	▲ 1.3	▼ -13.5
Net LNG Exports	10.1	11.4	11.2	10.9	11.0	11.5	11.3	▼ -0.2	▼ -0.1
Total Mexican Exports	6.1	6.1	7.1	7.0	6.9	6.7	6.6	▼ -0.1	▲ 0.5
Implied Daily Storage Activity	-0.7	-5.3	10.0	4.8	5.8	13.6	13.1		
EIA Reported Daily Storage Activity									
Daily Model Error					0.0				

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	DoD	vs. 7D
NRC Nuclear Daily Output	74.2	74.3	74.6	75.4	76.6	76.6	76.6	0.0	1.3
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	30.7	30.6	30.3	29.5	28.3	28.3	28.3	0.0	-1.3
NRC % Nuclear Cap Utilization	75.4	75.5	75.8	76.6	77.9	77.9	77.9	0.0	1.4

Wind Generation Daily Average - MWh (EIA)

	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	DoD	vs. 7D
CALI Wind	779	1558	2755	1252	445	706	643	-63	-606
TEXAS Wind	18056	9223	11743	18095	15183	6441	1957	-4484	-11167
US Wind	67333	49567	48539	62784	43203	29325	17504	-11821	-32621

Generation Daily Average - MWh (EIA)

	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	DoD	vs. 7D
US Wind	67333	49567	48539	62784	43203	29325	17504	-11821	-32621
US Solar	12544	13489	12627	13154	11427	12169	12194	25	-374
US Petroleum	938	949	952	966	964	969	983	14	27
US Other	8854	8824	7952	8518	9551	9373	9500	128	655
US Coal	70036	74239	76736	73387	80614	77194	80592	3398	5225
US Nuke	77609	77929	78044	79172	80235	80034	79682	-353	845
US Hydro	19289	20223	20130	20302	20677	19449	17622	-1827	-2390
US Gas	155979	159701	157189	147907	157038	150203	156727	6524	2057

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Storage Week Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)

	29-Oct	30-Sep	7-Oct	14-Oct	21-Oct	28-Oct	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	71.6	84.9	80.5	76.2	74.4	74.4	0.0	0.0
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	33.3	20.0	24.4	28.7	30.5	30.5	0.0	
NRC % Nuclear Cap Utilization	72.8	86.4	81.9	77.5	75.6	75.6	0.0	

Wind Generation Weekly Average - MWh (EIA)

	29-Oct	30-Sep	7-Oct	14-Oct	21-Oct	28-Oct	WoW	WoW Bcf/d Impact
CALI Wind	2314	1208	1370	1087	944	1974	1029	-0.2
TEXAS Wind	15462	8083	6160	7842	9710	17228	7517	-1.4
US Wind	53987	40606	32707	41063	45156	64739	19583	-3.7
						0.8	43%	

Generation Weekly Average - MWh (EIA)

	29-Oct	30-Sep	7-Oct	14-Oct	21-Oct	28-Oct	LY	Current	WoW	WoW Bcf/d Impact
US Wind	53987	40606	32707	41063	45156	64739	19583			-3.7
US Solar	10171	16636	15455	14503	14546	13471	-1075			0.2
US Petroleum	907	379	664	842	957	933	-25			0.0
US Other	10232	11165	10786	11233	11769	9002	-2767			0.5
US Coal	75374	77592	74744	76322	79517	69842	-9675			1.8
US Nuke	74308	86665	83242	77235	76450	77712	1263			-0.2
US Hydro	23812	23101	21917	20001	19334	19097	-238			0.0
US Gas	155996	171876	171116	170286	162048	147631	-14417			-2.7

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		Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Jul-22	Aug-22	Sep-22	Oct-22			
	NRC Nuclear Daily Output	76.3	74.8	90.6	90.5	86.2			
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	28.6	30.0	14.3	14.3	18.7	25.0	29.0	6.3	-1.0
NRC % Nuclear Cap Utilization	77.5	76.1	92.1	92.1	87.7	81.2	77.1	-6.4	1.0

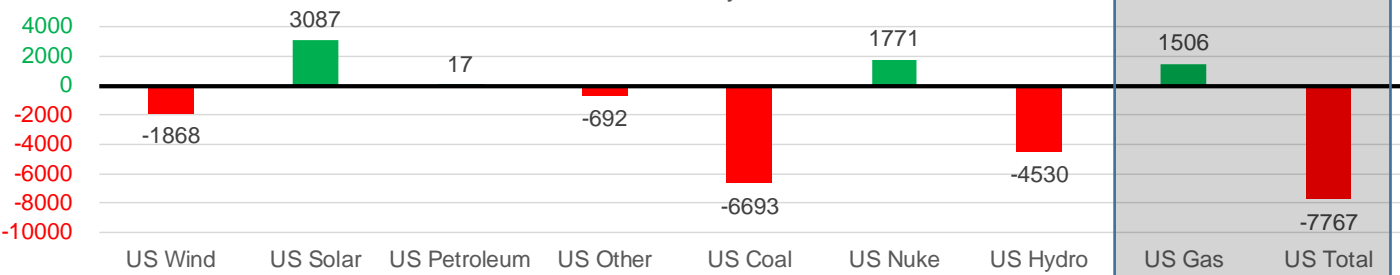
Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago		LY		MTD		Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Jul-22	Aug-22	Sep-22	Oct-22			
	CALI Wind	1336	1878	2719	2028	1608			
TEXAS Wind	9738	11989	11765	8440	7993	8626	9715	633	-2275
US Wind	39444	44779	39701	33222	38117	40279	42911	2162	-1868

Generation Monthly Average - MWh (EIA)

	2Yr Ago		LY		MTD		Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Jul-22	Aug-22	Sep-22	Oct-22			
	US Wind	39444	44779	39701	33222	38117			
US Solar	8186	10887	18617	16962	16163	16139	13975	▼ -2164.2	▲ 3087
US Petroleum	790	878	1252	1251	864	478	895	▲ 416	▲ 17
US Other	8316	11183	10156	10543	10467	10601	10491	▼ -111	▼ -692
US Coal	80890	83111	119788	117203	92002	66899	76418	▲ 9520	▼ -6693
US Nuke	79611	76418	92906	92976	89057	74774	78189	▲ 3415	▲ 1771
US Hydro	25360	24241	34227	30192	25202	19961	19710	▼ -251	▼ -4530
US Gas	160873	160896	235864	233739	199958	141933	162402	▲ 13458	▲ 1506
US Total	401999	412446	551987	535696	470459	386717	404678	▲ 24284	▼ -7767

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

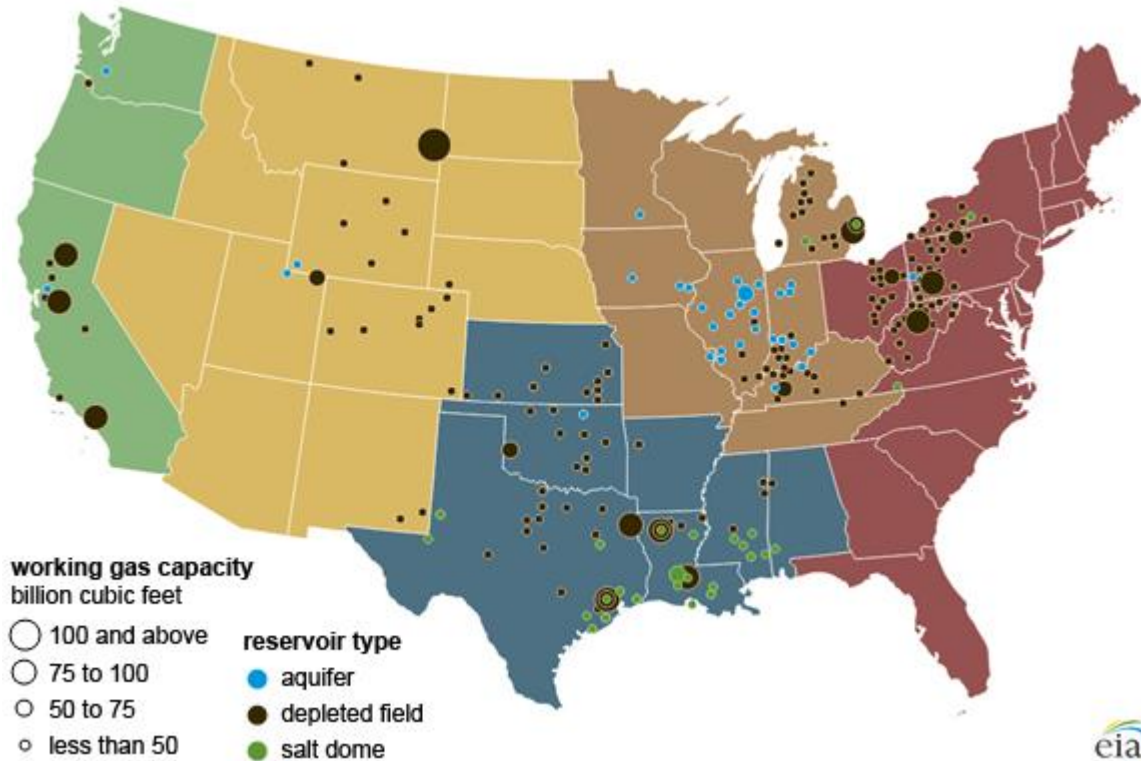
Regional S/D Models Storage Projection

Week Ending 28-Oct

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	15.0	-0.9	14.1	98
East	1.4	3.0	4.4	30
Midwest	4.7	0.7	5.4	38
Mountain	4.7	-4.2	0.4	3
South Central	4.2	0.2	4.3	30
Pacific	0.0	-0.6	-0.5	-4

*Adjustment Factor is calculated based on historical regional deltas

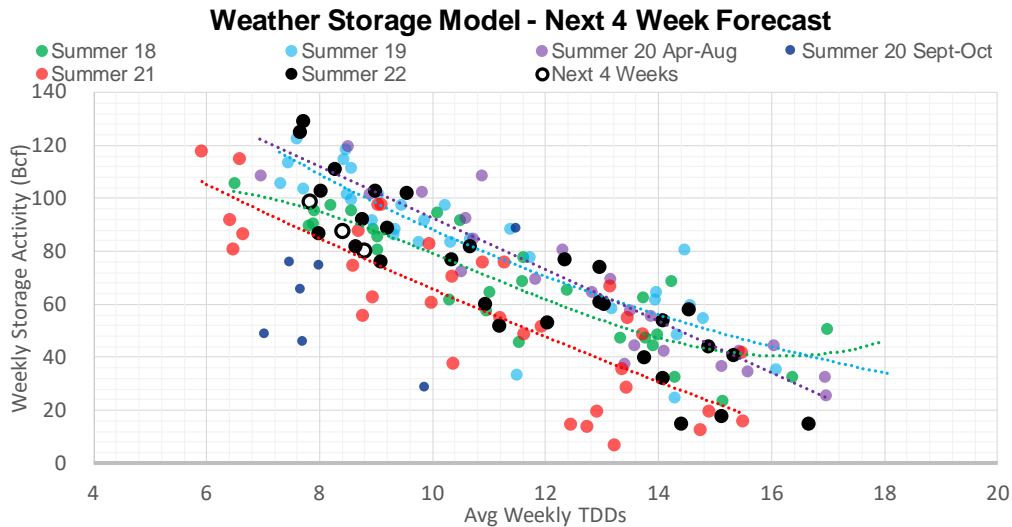
U.S. underground natural gas storage facilities by type (July 2015)



Weather Model Storage Projection

Next report
and beyond

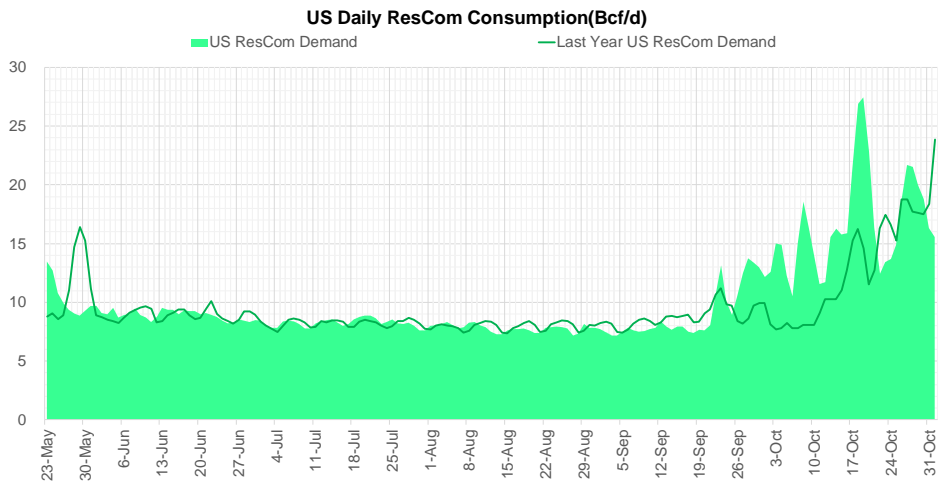
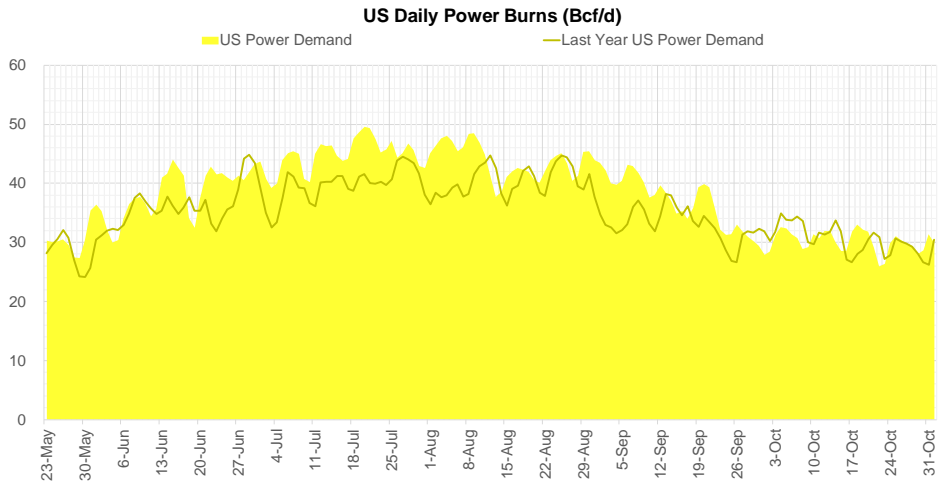
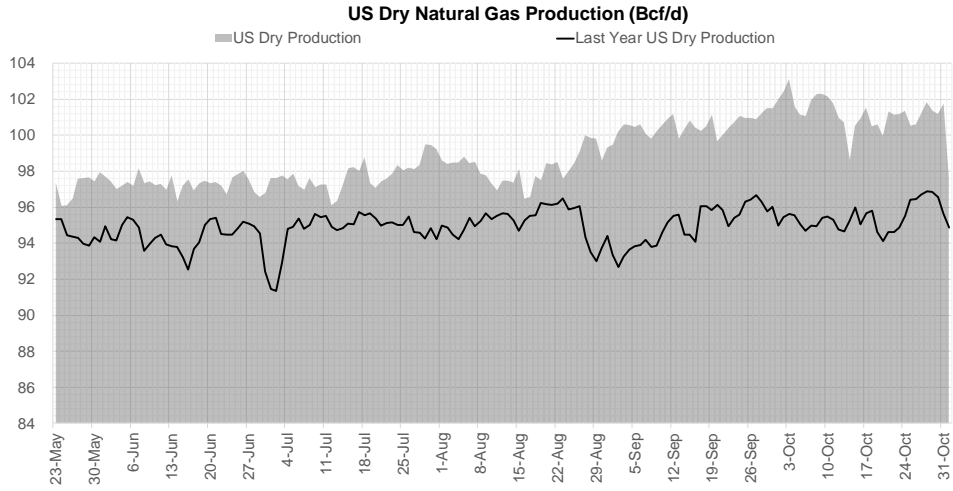
Week Ending	GWDDs	Week Storage Projection
28-Oct	7.9	98
04-Nov	8.4	88
11-Nov	8.8	80
18-Nov	#N/A	#N/A



[Go to larger image](#)



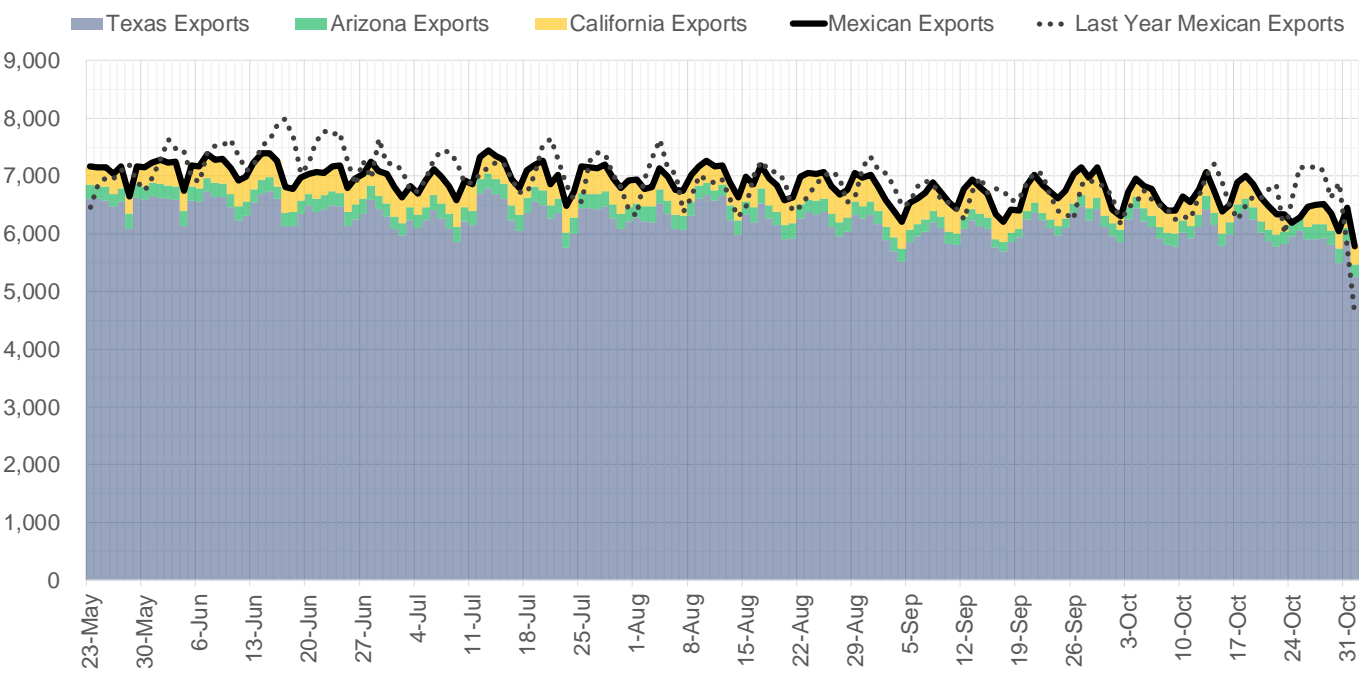
Supply – Demand Trends



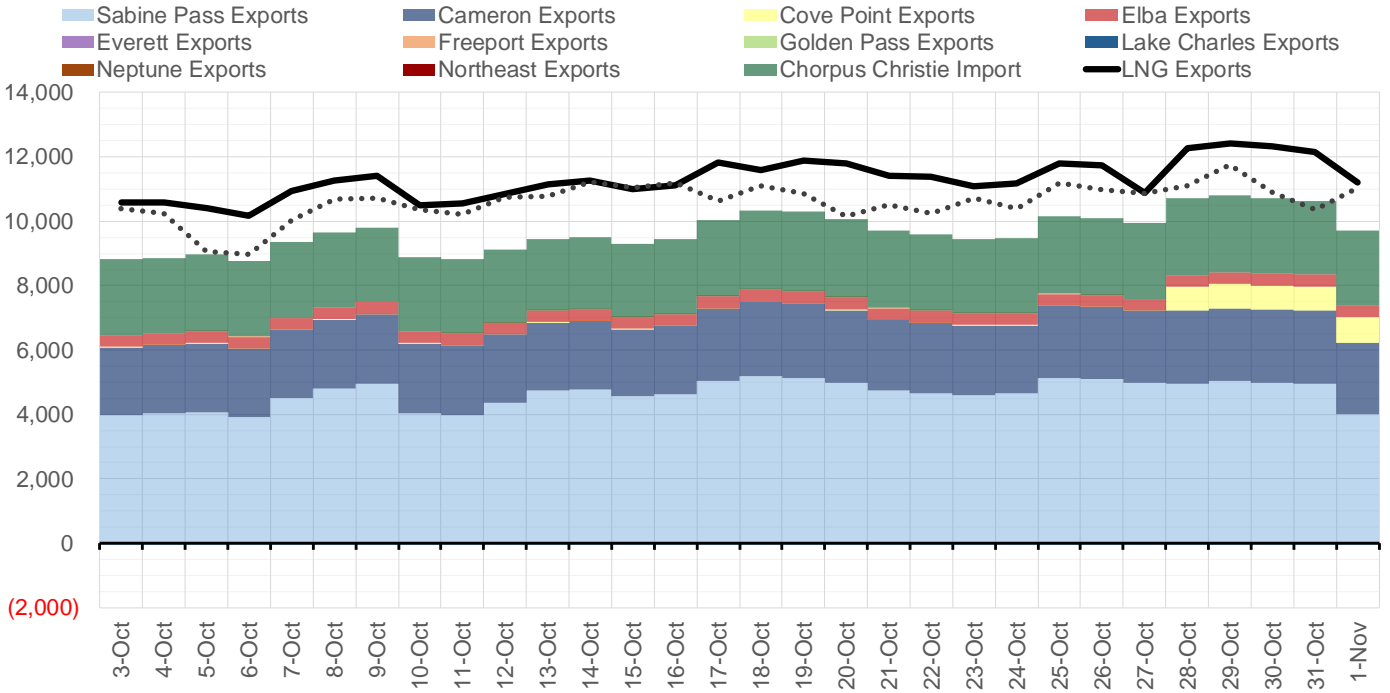
Source: Bloomberg

The risk of trading futures and options and other derivatives involves a substantial risk of loss and is not suitable for all persons. Each person must consider whether a particular trade, combination of trades, or strategy is suitable for that person's financial means and objectives. Past results are not necessarily indicative of future results. This communication may contain links to third party websites which are not under the control of and are not maintained by ION Energy Group, and ION Energy Group is not responsible for their content.

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

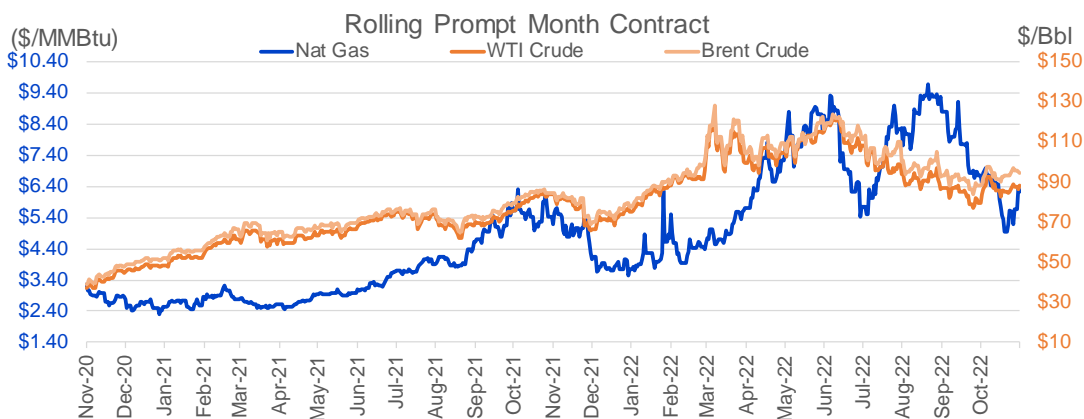
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
12	2022	P	4.00	13483	12	2022	P	4.00	52545
12	2022	P	4.50	8108	12	2022	P	5.00	33351
12	2022	P	5.50	6486	5	2023	P	2.00	27569
12	2022	P	5.00	5594	12	2022	P	4.50	26469
12	2022	C	7.00	5061	12	2022	P	3.50	25810
12	2022	P	3.50	5001	12	2022	P	6.00	25265
12	2022	P	4.25	4340	1	2023	C	10.00	24941
12	2022	P	6.00	3764	10	2023	P	3.00	23985
3	2023	P	3.00	3500	4	2023	P	3.00	22733
12	2022	P	4.75	3323	3	2023	C	10.00	21948
1	2023	P	3.00	3146	12	2022	C	10.00	20824
12	2022	P	3.75	2704	3	2023	P	4.00	20798
4	2023	C	10.00	2700	2	2023	C	10.00	20509
2	2023	P	4.50	2406	12	2022	C	8.00	19890
1	2023	P	5.00	2392	4	2023	P	2.00	19509
1	2023	C	10.00	2365	4	2023	P	3.50	19450
12	2022	C	10.00	2044	1	2023	P	4.00	19398
3	2023	C	6.00	2027	10	2023	P	4.00	19286
1	2023	P	4.00	1853	3	2023	C	20.00	18768
3	2023	C	5.50	1767	12	2022	P	3.00	18682
4	2023	P	3.25	1725	10	2023	P	2.00	18660
5	2023	P	3.25	1725	10	2023	P	2.50	18575
6	2023	P	3.25	1725	5	2023	P	3.00	18328
12	2022	P	3.00	1671	12	2022	C	5.00	18279
12	2022	C	12.00	1528	3	2023	P	3.00	18232
4	2023	P	3.50	1525	1	2023	P	5.00	18007
5	2023	P	3.50	1525	6	2023	P	3.00	17835
6	2023	P	3.50	1525	12	2022	P	5.50	17763
3	2023	C	1.00	1450	4	2023	P	4.00	17482
3	2023	P	1.00	1450	5	2023	P	3.50	17319
2	2023	C	7.50	1400	9	2023	P	4.00	17166
2	2023	C	7.65	1400	8	2023	P	3.00	17016
12	2022	C	15.00	1353	7	2023	P	3.00	16915
12	2022	P	5.25	1321	9	2023	P	3.00	16915
5	2023	P	4.00	1251	10	2023	P	3.50	16798
4	2023	P	4.00	1250	6	2023	P	3.50	16615
6	2023	P	4.00	1250	8	2023	P	3.50	16351
2	2023	C	8.00	1242	1	2023	P	3.00	16332
1	2023	P	5.50	1189	3	2023	C	8.00	16328
12	2022	P	6.50	1118	7	2023	P	3.50	16319
1	2023	C	8.00	1092	9	2023	P	3.50	16309
4	2023	P	4.25	1015	12	2022	C	4.00	16195
5	2023	P	4.25	1015	6	2023	P	2.00	16074
6	2023	P	4.25	1015	5	2023	P	2.50	15965
1	2023	P	6.00	1002	6	2023	P	4.00	15921
3	2023	P	2.75	1000	2	2023	C	8.00	15902
1	2023	C	5.95	980	7	2023	P	4.00	15849
2	2023	C	12.00	950	12	2022	C	7.00	15802
3	2023	C	8.00	806	5	2023	P	4.00	15653
					8	2023	P	4	15506

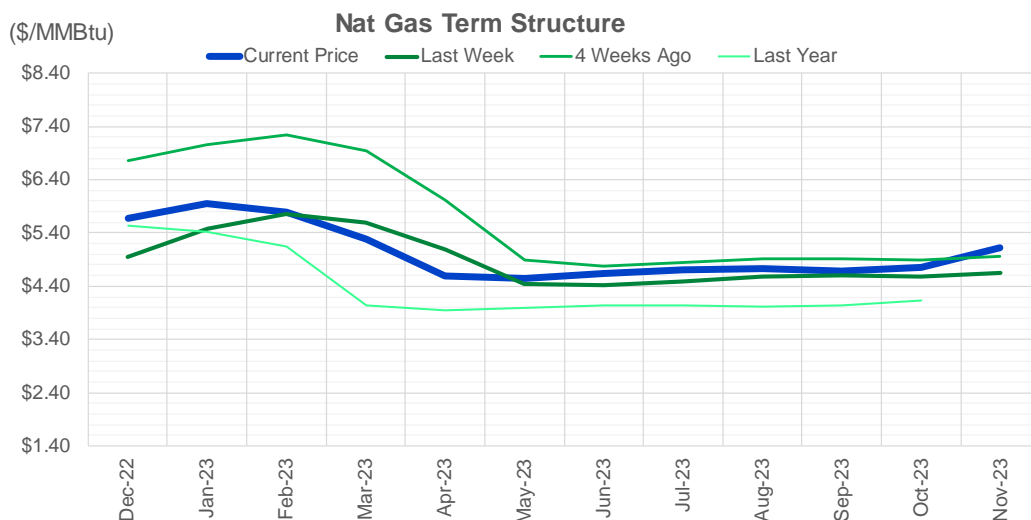
Source: CME, ICE

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
#/N/A Reques	102812	105949	-3137	#/N/A Reques	78138	77718	420
#/N/A Reques	139616	139107	509	#/N/A Reques	71320	73115	-1795
#/N/A Reques	59752	58758	994	#/N/A Reques	65570	66985	-1414
#/N/A Reques	97273	97232	41	#/N/A Reques	59276	59733	-457
#/N/A Reques	78228	76869	1359	#/N/A Reques	56282	57187	-905
#/N/A Reques	86044	86371	-327	#/N/A Reques	59935	59719	217
#/N/A Reques	24213	23837	376	#/N/A Reques	49428	49117	311
#/N/A Reques	33869	33817	52	#/N/A Reques	49524	49057	467
#/N/A Reques	22437	22387	50	#/N/A Reques	47553	47269	284
#/N/A Reques	29946	30015	-69	#/N/A Reques	45595	45355	240
#/N/A Reques	52557	51346	1211	#/N/A Reques	57473	56613	861
#/N/A Reques	21827	22155	-328	#/N/A Reques	47441	47349	93
#/N/A Reques	27157	26613	544	#/N/A Reques	41981	41788	193
#/N/A Reques	36590	37025	-435	#/N/A Reques	46148	45929	219
#/N/A Reques	10958	10537	421	#/N/A Reques	30915	30721	194
#/N/A Reques	22538	22301	237	#/N/A Reques	37222	36815	407
#/N/A Reques	20834	20650	184	#/N/A Reques	30547	30409	138
#/N/A Reques	8780	8767	13	#/N/A Reques	29289	29144	145
#/N/A Reques	3214	3219	-5	#/N/A Reques	26324	26199	125
#/N/A Reques	4205	4309	-104	#/N/A Reques	25629	25518	111
#/N/A Reques	3973	3972	1	#/N/A Reques	25139	25025	114
#/N/A Reques	2625	2616	9	#/N/A Reques	25001	24877	124
#/N/A Reques	9033	9022	11	#/N/A Reques	29328	29192	136
#/N/A Reques	4868	4883	-15	#/N/A Reques	26251	26258	-8
#/N/A Reques	8682	8634	48	#/N/A Reques	30150	30149	0
#/N/A Reques	17808	17790	18	#/N/A Reques	23602	23086	516
#/N/A Reques	1845	1845	0	#/N/A Reques	15739	15710	29
#/N/A Reques	6110	6099	11	#/N/A Reques	17699	17707	-8
#/N/A Reques	5862	5536	326	#/N/A Reques	16532	16508	24
#/N/A Reques	2585	2585	0	#/N/A Reques	15144	15117	27

Source: CME, ICE



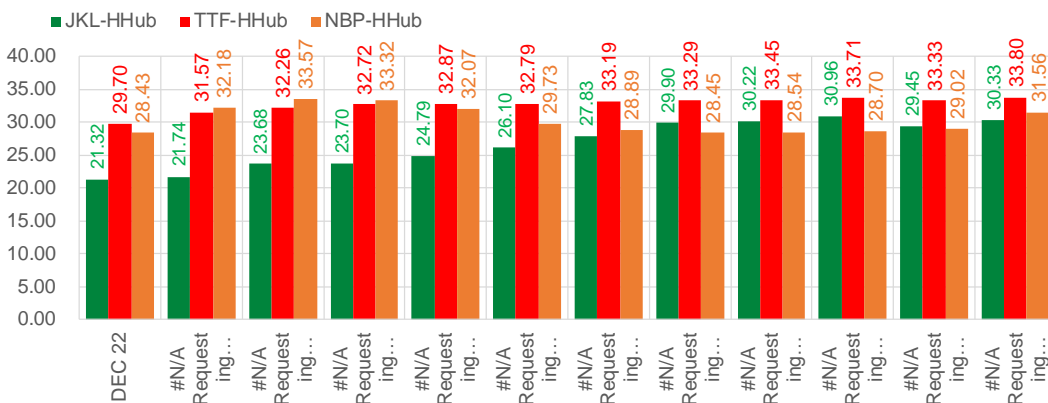
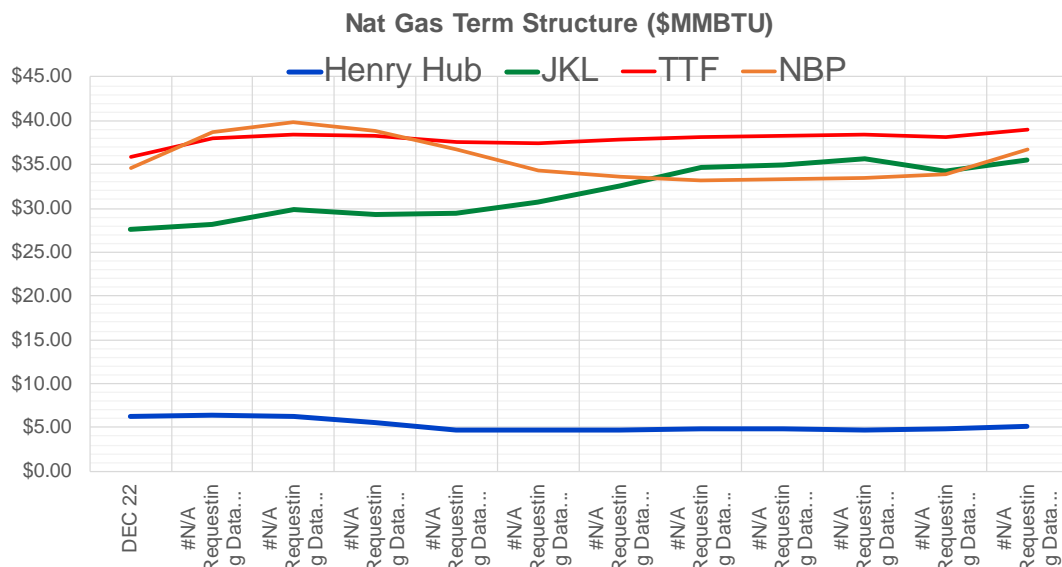


	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
Current Price	\$5.684	\$5.953	\$5.794	\$5.276	\$4.601	\$4.556	\$4.630	\$4.708	\$4.727	\$4.688	\$4.756	\$5.116
Last Week	\$4.959	\$5.472	\$5.754	\$5.587	\$5.086	\$4.448	\$4.417	\$4.494	\$4.579	\$4.604	\$4.574	\$4.648
vs. Last Week	\$0.725	\$0.481	\$0.040	-\$0.311	-\$0.485	\$0.108	\$0.213	\$0.214	\$0.148	\$0.084	\$0.182	\$0.468
4 Weeks Ago	\$6.766	\$7.065	\$7.247	\$6.937	\$6.028	\$4.887	\$4.784	\$4.848	\$4.914	\$4.924	\$4.894	\$4.965
vs. 4 Weeks Ago	-\$1.082	-\$1.112	-\$1.453	-\$1.661	-\$1.427	-\$0.331	-\$0.154	-\$0.140	-\$0.187	-\$0.236	-\$0.138	\$0.151
Last Year	\$5.426	\$5.529	\$5.433	\$5.145	\$4.047	\$3.955	\$3.989	\$4.031	\$4.035	\$4.018	\$4.050	\$4.140
vs. Last Year	\$0.258	\$0.424	\$0.361	\$0.131	\$0.554	\$0.601	\$0.641	\$0.677	\$0.692	\$0.670	\$0.706	\$0.976

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	3.75	6.80	3.05
TETCO M3	\$/MMBtu	3.00	4.57	1.57
FGT Zone 3	\$/MMBtu	3.25	5.35	2.10
Zone 6 NY	\$/MMBtu	3.25	4.64	1.39
Chicago Citygate	\$/MMBtu	4.36	4.83	0.47
Michcon	\$/MMBtu	4.60	4.73	0.13
Columbia TCO Pool	\$/MMBtu	3.49	4.29	0.80
Ventura	\$/MMBtu	4.51	4.99	0.48
Rockies/Opal	\$/MMBtu	5.31	4.60	-0.71
El Paso Permian Basin	\$/MMBtu	3.50	2.58	-0.92
Socal Citygate	\$/MMBtu	5.85	5.61	-0.24
Malin	\$/MMBtu	5.55	5.33	-0.22
Houston Ship Channel	\$/MMBtu	3.74	4.55	0.81
Henry Hub Cash	\$/MMBtu	5.02	4.53	-0.49
AECO Cash	C\$/GJ	4.44	3.82	-0.62
Station2 Cash	C\$/GJ	3.64	5.23	1.59
Dawn Cash	C\$/GJ	4.98	4.86	-0.12

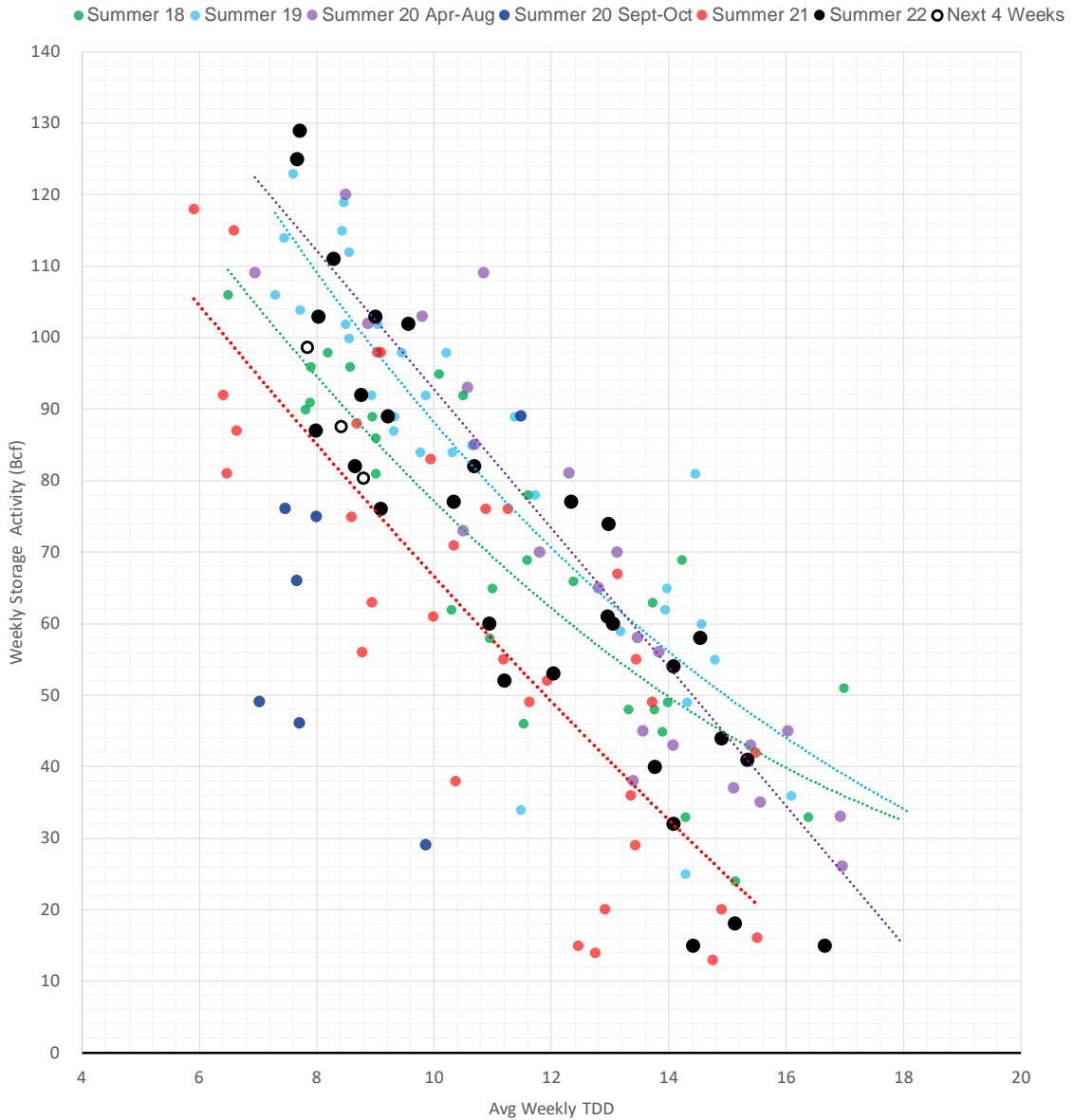
Source: CME, Bloomberg

	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	▼ -1.281
NatGas Apr22/Oct22	\$/MMBtu	1.532	▲ 0.000	▲ 0.000	▲ 1.530
WTI Crude	\$/Bbl	86.53	▲ 1.950	▲ 2.900	▲ 2.480
Brent Crude	\$/Bbl	94.83	▲ 1.570	▲ 5.970	▲ 10.120
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	419.09	▲ 27.080	▲ 82.180	▲ 168.780
Propane, Mt. Bel	cents/Gallon	0.86	▲ 0.007	▼ -0.002	▼ -0.567
Ethane, Mt. Bel	cents/Gallon	0.40	▲ 0.004	▲ 0.013	▼ -0.015
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			

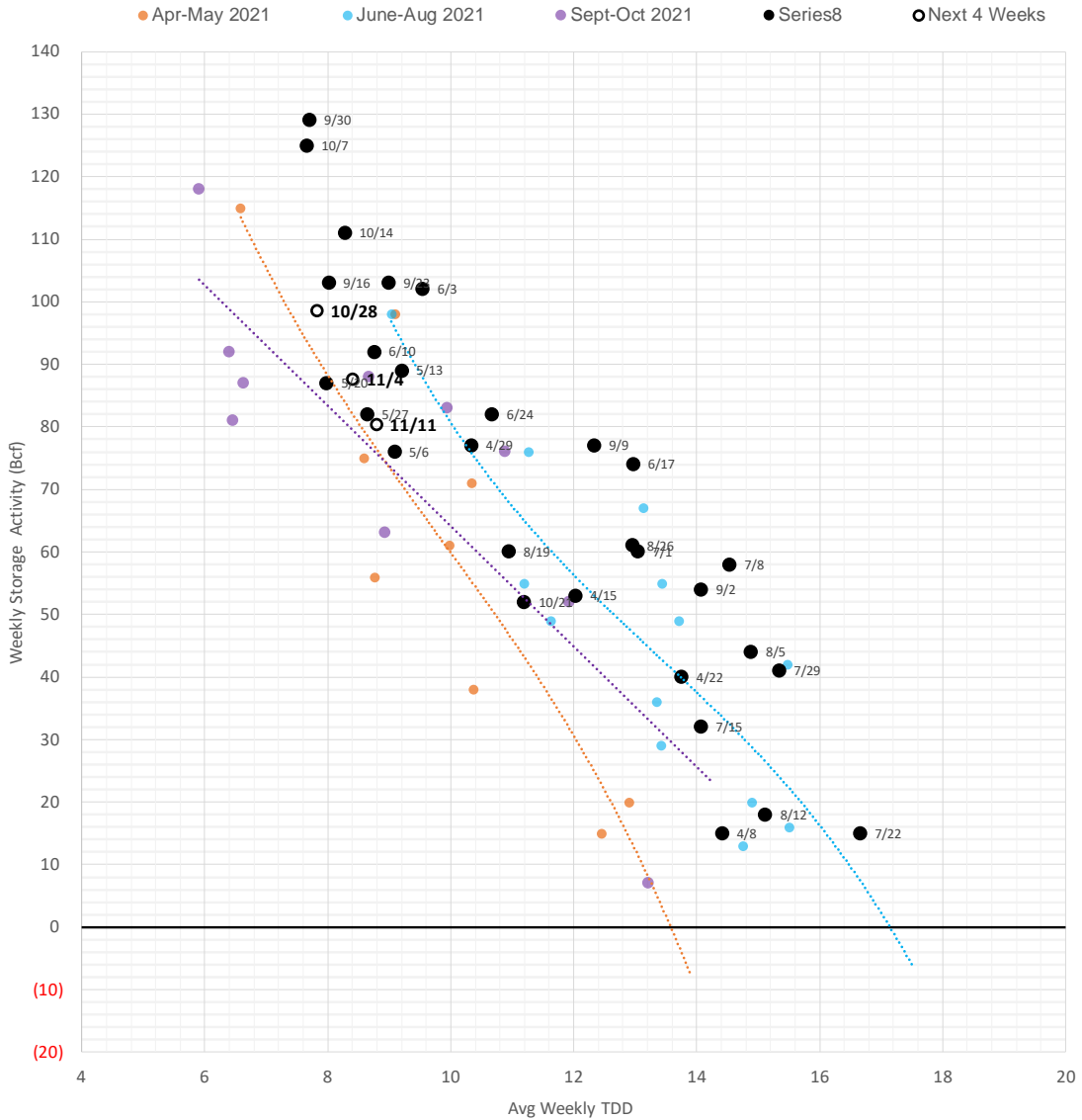


	DEC 22	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Henry Hub	\$6.217	\$6.452	\$6.220	\$5.546	\$4.704	\$4.633	\$4.716	\$4.785	\$4.802	\$4.759	\$4.820	\$5.147
JKL	\$27.535	\$28.190	\$29.900	\$29.250	\$29.495	\$30.735	\$32.545	\$34.685	\$35.025	\$35.720	\$34.270	\$35.480
JKL-HHub	\$21.318	\$21.738	\$23.680	\$23.704	\$24.791	\$26.102	\$27.829	\$29.900	\$30.223	\$30.961	\$29.450	\$30.333
TTF	\$35.918	\$38.019	\$38.482	\$38.270	\$37.569	\$37.426	\$37.903	\$38.077	\$38.247	\$38.464	\$38.147	\$38.945
TTF-HHub	\$29.701	\$31.567	\$32.262	\$32.724	\$32.865	\$32.793	\$33.187	\$33.292	\$33.445	\$33.705	\$33.327	\$33.798
NBP	\$34.645	\$38.631	\$39.787	\$38.868	\$36.777	\$34.364	\$33.608	\$33.239	\$33.343	\$33.455	\$33.842	\$36.707
NBP-HHub	\$28.428	\$32.179	\$33.567	\$33.322	\$32.073	\$29.731	\$28.892	\$28.454	\$28.541	\$28.696	\$29.022	\$31.560

Weather Storage Model - Next 4 Week Forecast



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