

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 5.90 ▲	\$ 0.18 ▲	\$ 0.20

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 87.86 ▼	\$ (0.51) ▼	\$ (0.1)

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 94.14 ▼	\$ (0.51) ▼	\$ (1.5)

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[Supply – Demand Trends](#)

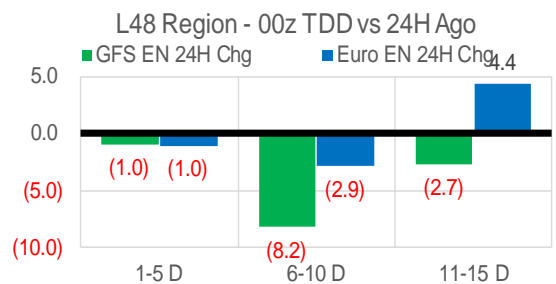
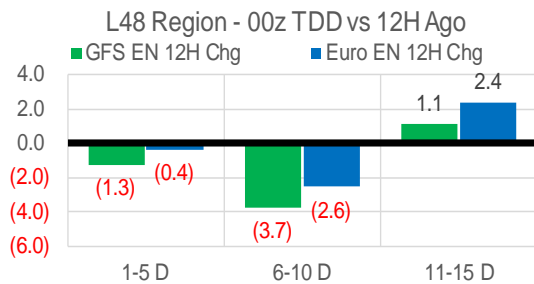
[Nat Gas Options Volume and Open Interest](#)

[Nat Gas Futures Open Interest](#)

[Price Summary](#)

Vs. 12H Ago

Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	99.6 ▼	-0.13 ▼	-1.47

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	29.3 ▼	-0.93 ▼	-0.44

	Current	Δ from YD	Δ from 7D Avg
US ResComm	16.7 ▲	1.32	▼ -2.23

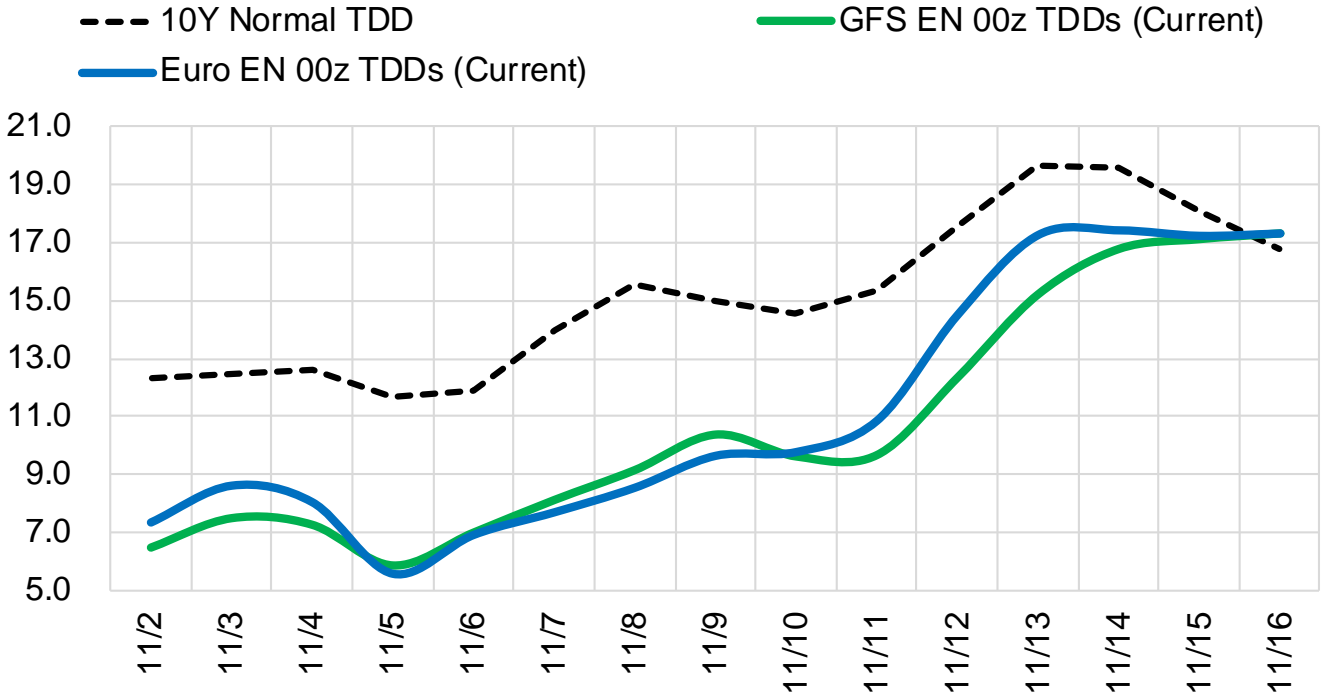
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	3.9 ▼	-0.73 ▼	▼ -1.36

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	11.5 ▲	0.02	▼ -0.38

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.1 ▼	-0.29 ▼	▼ -0.36

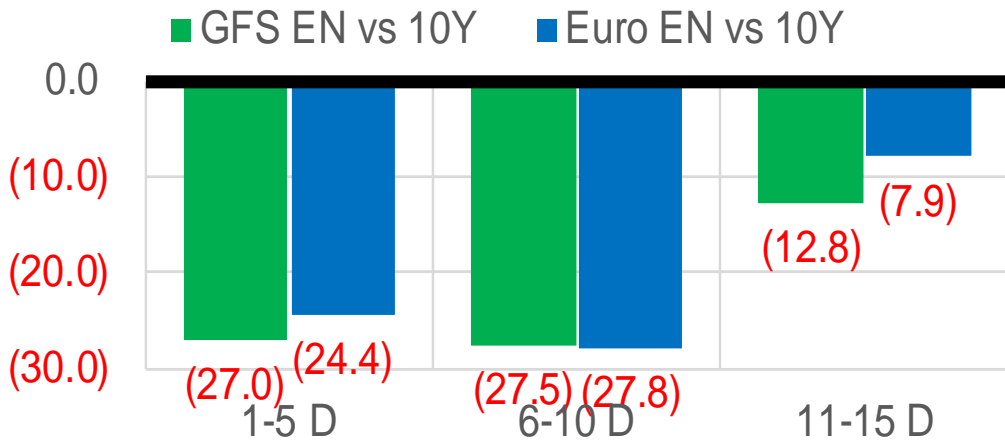
Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI , Bloomberg

Lower 48 Component Models

Daily Balances

	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct	1-Nov	2-Nov	DoD	vs. 7D
Lower 48 Dry Production	101.3	101.9	101.3	101.1	101.7	99.8	99.6	▼ -0.1	▼ -1.5
Canadian Imports	5.3	5.1	5.1	5.8	5.8	4.6	3.9	▼ -0.7	▼ -1.4
L48 Power	29.8	29.5	28.1	28.8	31.4	30.2	29.3	▼ -0.9	▼ -0.3
L48 Residential & Commercial	21.7	21.5	20.0	18.8	16.2	15.4	16.7	▲ 1.3	▼ -2.2
L48 Industrial	22.0	21.7	21.3	21.0	20.9	21.0	20.9	▼ -0.2	▼ -0.4
L48 Lease and Plant Fuel	5.7	5.7	5.7	5.6	5.7	5.6	5.5	▼ 0.0	▼ -0.1
L48 Pipeline Distribution	3.2	3.1	3.0	2.9	2.9	2.6	2.6	▲ 0.0	▼ -0.3
L48 Regional Gas Consumption	82.3	81.5	78.0	77.2	77.1	74.9	75.1	▲ 0.2	▼ -3.4
Net LNG Delivered	10.89	12.27	12.41	12.32	12.16	11.49	11.51	▲ 0.0	▼ -0.4
Total Mexican Exports	6.6	6.6	6.4	6.0	6.4	6.3	6.1	▼ -0.3	▼ -0.3
Implied Daily Storage Activity	6.8	6.6	9.6	11.4	11.8	11.7	10.9		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	LY		LW		Current		WoW	vs. LY
	29-Oct	30-Sep	7-Oct	14-Oct	21-Oct	28-Oct		
Lower 48 Dry Production	95.9	101.0	101.8	101.7	100.4	101.1	▲ 0.7	▲ 5.2
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	20.9	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	▼ -0.4
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			MoM	vs. LY
	Nov-20	Nov-21	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	
Lower 48 Dry Production	91.2	96.4	97.8	98.2	100.6	101.3	99.8	▼ -1.5 ▲ 3.3
Canadian Imports	4.6	5.3	5.9	5.4	5.9	5.7	4.6	▼ -1.0 ▼ -0.7
L48 Power	25.7	29.3	44.8	43.8	37.0	30.2	30.2	▲ 0.1 ▲ 0.9
L48 Residential & Commercial	24.4	28.2	8.2	7.8	8.9	16.6	15.4	▼ -1.2 ▼ -12.8
L48 Industrial	22.5	23.3	19.4	19.7	20.5	20.7	21.0	▲ 0.3 ▼ -2.3
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	76.0	74.9	▼ -1.1 ▼ -14.7
Net LNG Exports	10.1	11.4	10.9	11.0	11.5	11.3	11.5	▲ 0.2 ▲ 0.1
Total Mexican Exports	6.1	6.1	7.0	6.9	6.7	6.6	6.3	▼ -0.2 ▲ 0.2
Implied Daily Storage Activity	-0.7	-5.3	4.8	5.8	13.6	13.1	11.7	
EIA Reported Daily Storage Activity								
Daily Model Error					-0.5			

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct	DoD	vs. 7D
NRC Nuclear Daily Output	74.3	74.6	75.4	76.6	76.6	76.6	74.8	-1.8	-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	30.6	30.3	29.5	28.3	28.3	28.3	30.1	1.8	0.9
NRC % Nuclear Cap Utilization	75.5	75.8	76.6	77.9	77.9	77.9	76.0	-1.9	-0.9

Wind Generation Daily Average - MWh (EIA)

	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct	DoD	vs. 7D
CALI Wind	1558	2755	1252	445	706	643	429	-214	-798
TEXAS Wind	9223	11743	18095	15183	6441	1957	5260	3303	-5180
US Wind	49567	48539	62784	43203	29325	17504	24521	7017	-17299

Generation Daily Average - MWh (EIA)

	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct	DoD	vs. 7D
US Wind	49567	48539	62784	43203	29325	17504	24521	7017	-17299
US Solar	13489	12627	13154	11427	12169	12188	10928	-1260	-1581
US Petroleum	949	952	966	964	969	983	1023	40	60
US Other	8835	7952	8518	9551	9373	9503	9603	100	648
US Coal	74239	76736	73387	80614	77196	80592	83177	2585	6050
US Nuke	77929	78044	79172	80235	80034	79682	78723	-959	-460
US Hydro	20223	20130	20302	20687	19460	17627	22279	4651	2540
US Gas	159732	157189	147907	157038	150203	156730	171989	15259	17189

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	45195	64739	19544	-3.7
							43%	
						0.8		

Generation Weekly Average - MWh (EIA)

	29-Oct	30-Sep	7-Oct	14-Oct	21-Oct	28-Oct	WoW	WoW Bcf/d Impact
					LY	Current		
US Wind	53987	40606	32707	41063	45195	64739	19544	-3.7
US Solar	10171	16636	15455	14503	14546	13554	-991	0.2
US Petroleum	907	379	664	842	1054	933	-121	0.0
US Other	10232	11165	10786	11233	11611	9039	-2572	0.5
US Coal	75374	77592	74744	76322	79517	69841	-9675	1.8
US Nuke	74308	86665	83242	77235	76567	77712	1146	-0.2
US Hydro	23812	23101	21917	20001	19318	19097	-221	0.0
US Gas	155996	171876	171116	170286	162257	147736	-14522	-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	Aug-22	Sep-22	Oct-22	Nov-22					
NRC Nuclear Daily Output	76.1	74.5	90.5	86.2	76.2	75.8	75.8	-0.3	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	28.8	30.4	14.3	18.7	28.7	29.0	29.1	0.3	-1.3		
NRC % Nuclear Cap Utilization	77.4	75.7	92.1	87.7	77.4	77.1	77.0	-0.3	1.3		

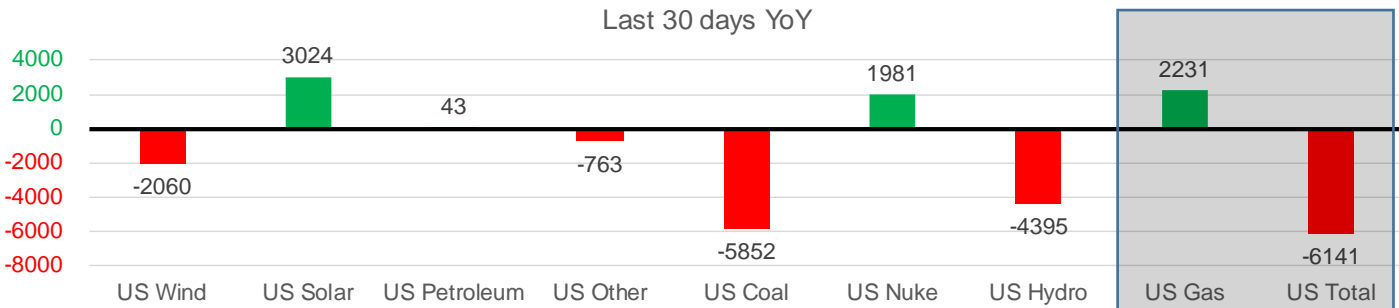
Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Aug-22	Sep-22	Oct-22	Nov-22					
CALI Wind	1325	1917	2028	1608	1239	429	1135	-810	-782		
TEXAS Wind	9637	12198	8440	7993	9916	5260	9923	-4656	-2275		
US Wind	39977	45124	33222	38117	43696	24521	43064	-19175	-2060		

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	Aug-22	Sep-22	Oct-22	Nov-22					
US Wind	39977	45124	33222	38117	43696	24521	43064	▲18543.3	▼-2060		
US Solar	8158	10773	16962	16163	14123	10928	13797	▲2869.3	▲3024		
US Petroleum	782	886	1251	864	899	1023	929	▼-95	▲43		
US Other	8373	11192	10543	10467	10512	9603	10429	▲826	▼-763		
US Coal	81985	82725	117203	92002	75808	83177	76873	▼-6304	▼-5852		
US Nuke	79436	76095	92976	89057	78123	78723	78076	▼-647	▲1981		
US Hydro	25546	24416	30192	25202	19923	22279	20021	▼-2257	▼-4395		
US Gas	160414	161125	233739	199958	162105	171989	163357	▲12936	▲2231		
US Total	403218	412386	535696	470459	405408	402099	406246	▲7328	▼-6141		

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

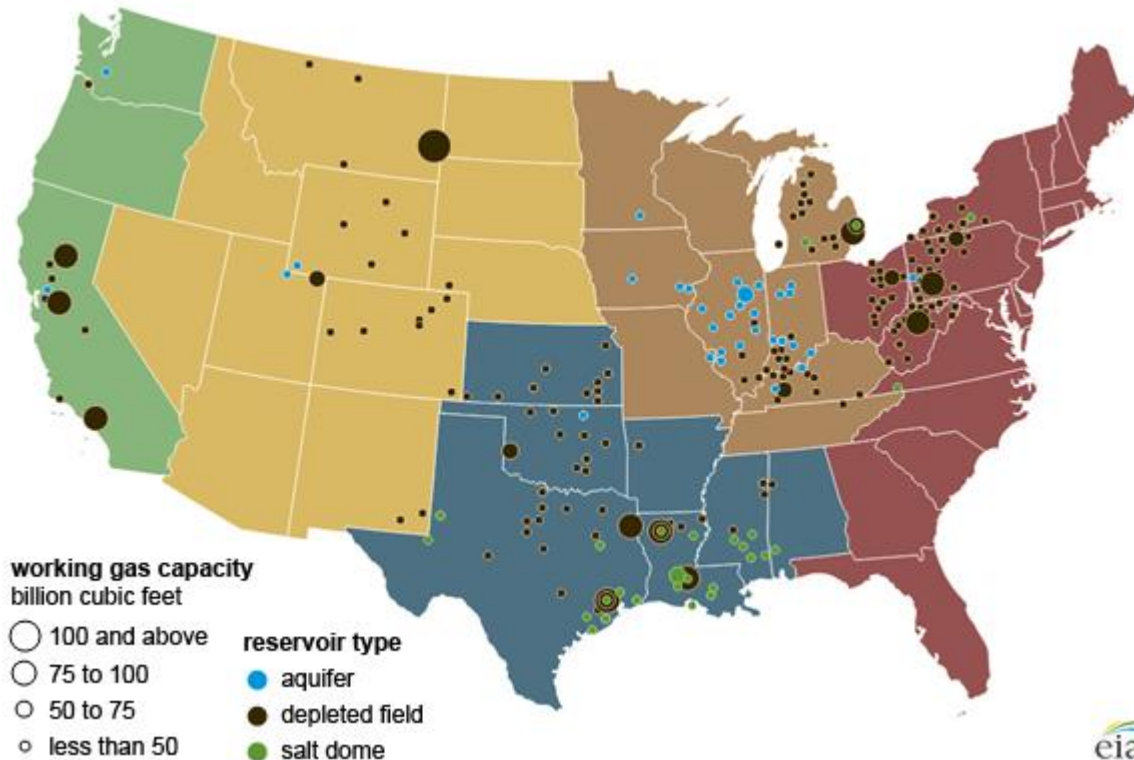
Regional S/D Models Storage Projection

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	0.1	4.3	30
Pacific	0.0	-0.6	-0.5	-4

*Adjustment Factor is calculated based on historical regional deltas

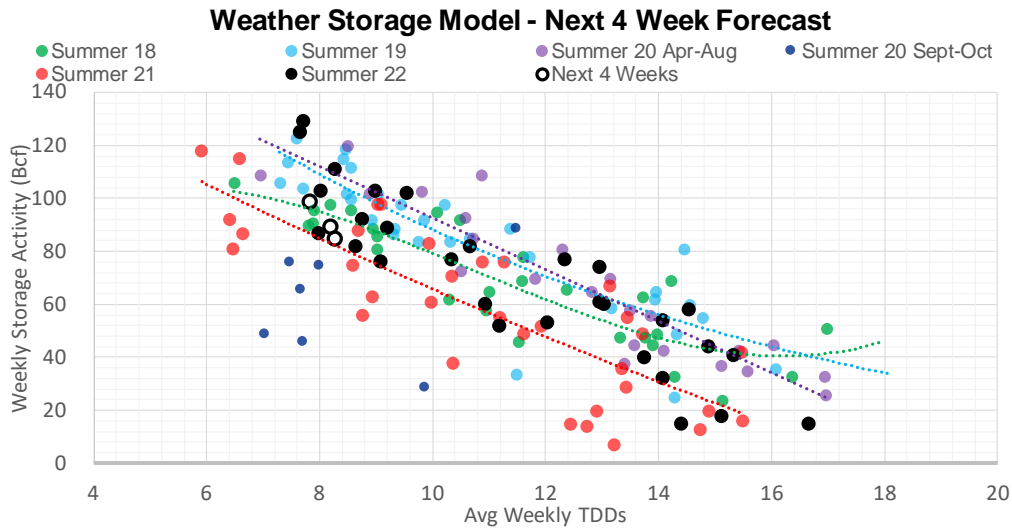
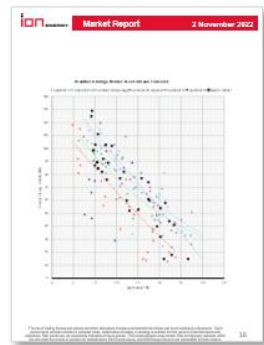
U.S. underground natural gas storage facilities by type (July 2015)



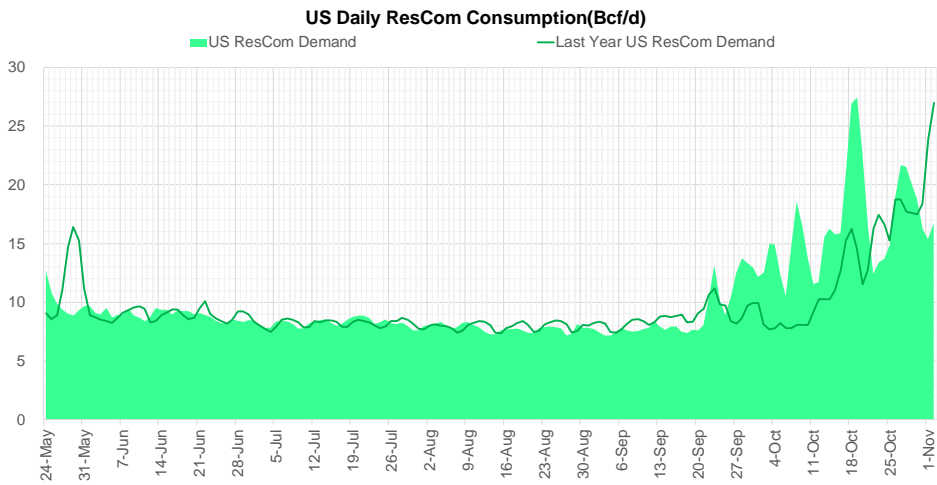
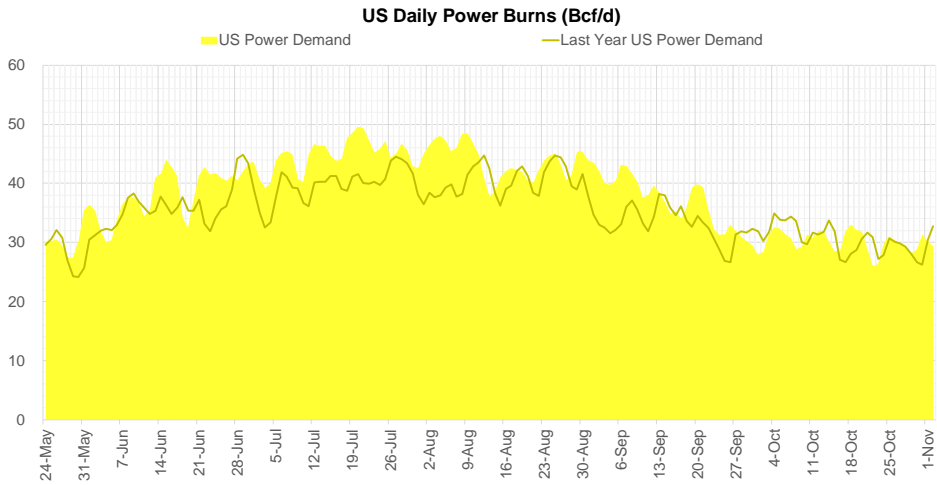
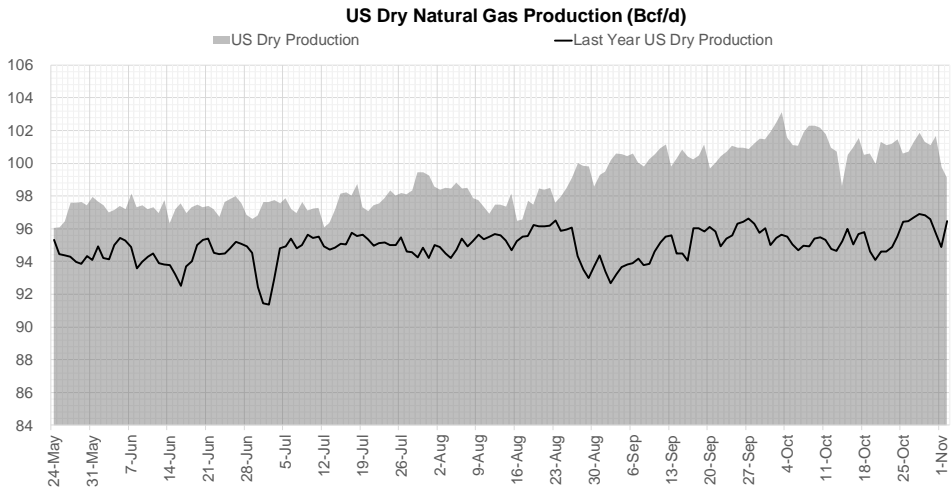
Weather Model Storage Projection

Next report and beyond

Week Ending	GWDDs	Week Storage Projection
28-Oct	7.9	98
04-Nov	8.2	89
11-Nov	8.3	85
18-Nov	#N/A	#N/A


[Go to larger image](#)


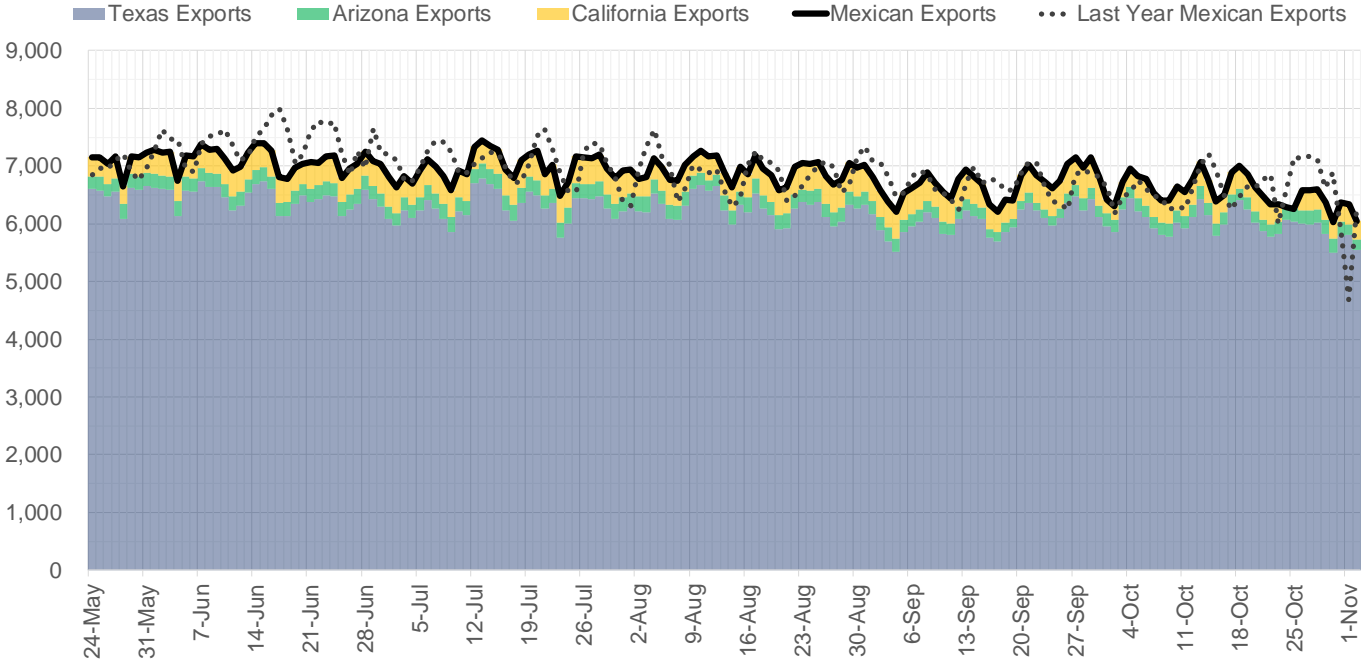
Supply – Demand Trends



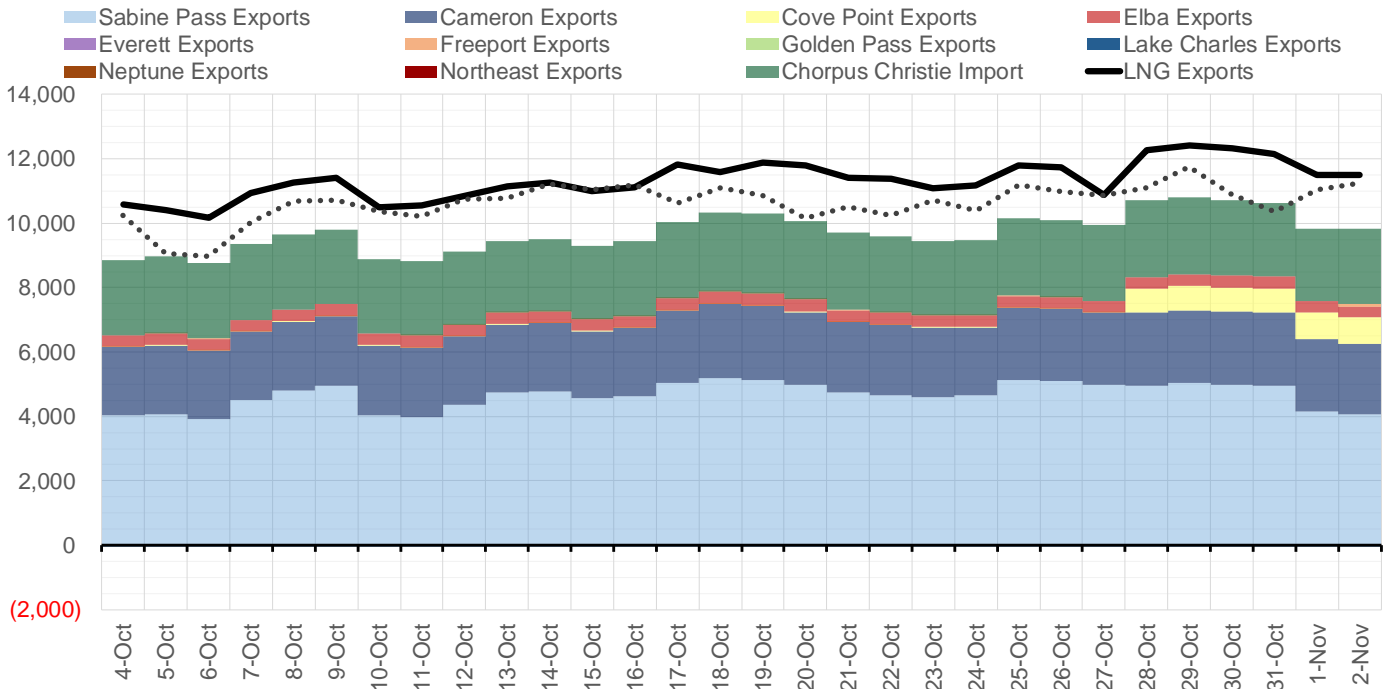
Source: Bloomberg

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

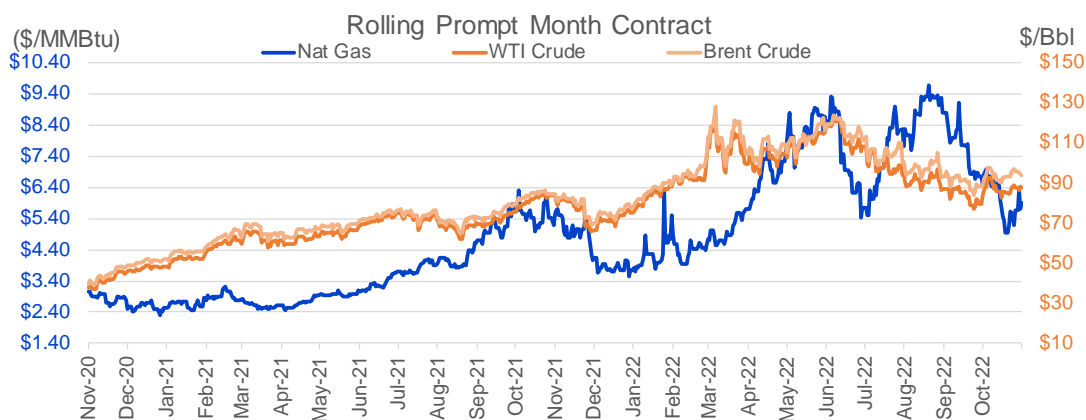
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
12	2022	P	4.00	9616	12	2022	P	4.00	50841
12	2022	P	4.50	5839	12	2022	P	5.00	33578
12	2022	P	3.50	5523	12	2022	P	4.50	27733
12	2022	C	7.00	4784	5	2023	P	2.00	27569
12	2022	P	4.75	4729	12	2022	P	6.00	26143
12	2022	C	8.00	4552	12	2022	P	3.50	25963
12	2022	P	4.25	4446	1	2023	C	10.00	24490
12	2022	P	5.00	4188	10	2023	P	3.00	24435
12	2022	P	5.50	4115	4	2023	P	3.00	23183
4	2023	C	10.00	2600	3	2023	C	10.00	22238
12	2022	C	10.00	2507	12	2022	C	10.00	21219
12	2022	C	6.00	2460	3	2023	P	4.00	20806
4	2023	P	2.50	2456	2	2023	C	10.00	20534
5	2023	P	2.50	2455	4	2023	P	3.50	20241
6	2023	P	2.50	2455	12	2022	C	8.00	19917
7	2023	P	2.50	2455	1	2023	P	4.00	19750
8	2023	P	2.50	2455	4	2023	P	2.00	19509
9	2023	P	2.50	2455	10	2023	P	4.00	19386
10	2023	P	2.50	2455	1	2023	P	3.00	19335
12	2022	P	3.75	2378	12	2022	P	5.50	18913
12	2022	C	6.50	1922	3	2023	C	20.00	18768
12	2022	C	7.25	1903	5	2023	P	3.00	18728
12	2022	C	7.50	1719	12	2022	P	3.00	18687
12	2022	P	3.00	1716	10	2023	P	2.00	18660
1	2023	C	10.00	1606	10	2023	P	2.50	18575
1	2023	P	5.00	1386	12	2022	C	5.00	18313
5	2023	P	2.00	1266	6	2023	P	3.00	18235
2	2023	C	8.00	1159	4	2023	P	4.00	18110
4	2023	P	2.00	1111	5	2023	P	3.50	17660
4	2023	P	3.75	1100	6	2023	P	3.50	17600
1	2023	P	4.50	1021	12	2022	C	7.00	17518
1	2023	P	5.50	901	8	2023	P	3.00	17416
12	2022	P	5.55	865	7	2023	P	3.00	17315
12	2022	P	6.00	856	9	2023	P	3.00	17315
1	2023	P	4.00	834	1	2023	P	5.00	17310
2	2023	C	7.65	800	9	2023	P	4.00	17216
12	2022	C	12.00	735	10	2023	P	3.50	17183
12	2022	P	5.25	727	3	2023	P	3.00	16953
10	2023	P	3.00	694	8	2023	P	3.50	16636
4	2023	P	3.00	660	7	2023	P	3.50	16604
5	2023	P	3.00	660	9	2023	P	3.50	16594
6	2023	P	3.00	660	6	2023	P	4.00	16549
7	2023	P	3.00	660	5	2023	P	4.00	16281
8	2023	P	3.00	660	3	2023	C	8.00	16247
9	2023	P	3.00	660	12	2022	C	4.00	16195
1	2023	C	8.50	636	6	2023	P	2.00	16074
6	2023	P	2.00	611	2	2023	C	8.00	16005
7	2023	P	2.00	611	5	2023	P	2.50	15965
8	2023	P	2.00	611	7	2023	P	4.00	15949
					3	2023	P	2.75	15880

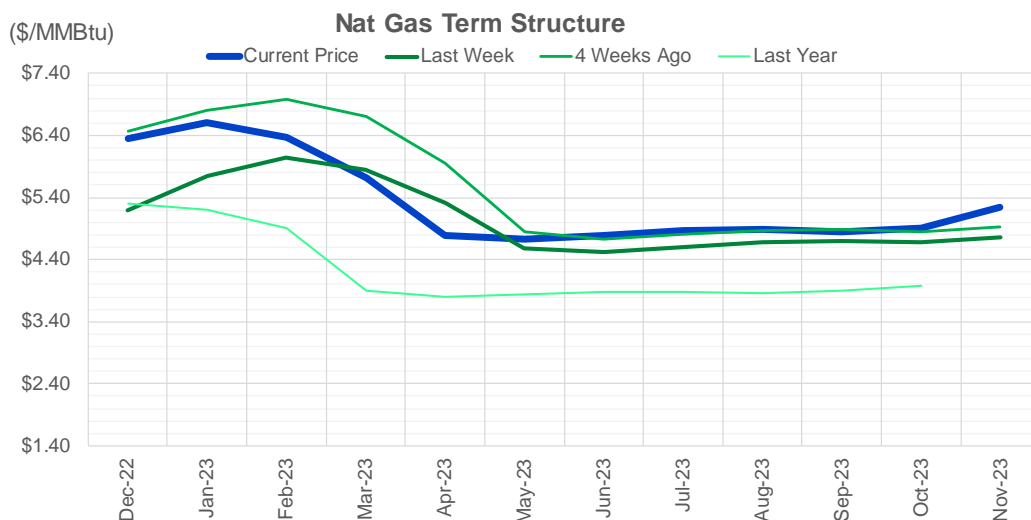
Source: CME, ICE

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	103639	102841	798	DEC 22	78138	77718	420
JAN 23	143140	139615	3525	JAN 23	71320	73115	-1795
FEB 23	59949	59752	197	FEB 23	65570	66985	-1414
MAR 23	98826	97267	1559	MAR 23	59276	59733	-457
APR 23	78931	78231	700	APR 23	56282	57187	-905
MAY 23	86176	86044	132	MAY 23	59935	59719	217
JUN 23	23343	24213	-870	JUN 23	49428	49117	311
JUL 23	34130	33869	261	JUL 23	49524	49057	467
AUG 23	22433	22416	17	AUG 23	47553	47269	284
SEP 23	29863	29946	-83	SEP 23	45595	45355	240
OCT 23	52143	52557	-414	OCT 23	57473	56613	861
NOV 23	21515	21867	-352	NOV 23	47441	47349	93
DEC 23	28138	27239	899	DEC 23	41981	41788	193
JAN 24	36733	36594	139	JAN 24	46148	45929	219
FEB 24	11363	10958	405	FEB 24	30915	30721	194
MAR 24	22442	22538	-96	MAR 24	37222	36815	407
APR 24	21593	20834	759	APR 24	30547	30409	138
MAY 24	8776	8780	-4	MAY 24	29289	29144	145
JUN 24	3218	3214	4	JUN 24	26324	26199	125
JUL 24	4211	4205	6	JUL 24	25629	25518	111
AUG 24	3973	3973	0	AUG 24	25139	25025	114
SEP 24	2626	2625	1	SEP 24	25001	24877	124
OCT 24	9056	9033	23	OCT 24	29328	29192	136
NOV 24	4892	4868	24	NOV 24	26251	26258	-8
DEC 24	8681	8682	-1	DEC 24	30150	30149	0
JAN 25	17810	17808	2	JAN 25	23602	23086	516
FEB 25	1789	1845	-56	FEB 25	15739	15710	29
MAR 25	6155	6110	45	MAR 25	17699	17707	-8
APR 25	5829	5862	-33	APR 25	16532	16508	24
MAY 25	2618	2585	33	MAY 25	15144	15117	27

Source: CME, ICE



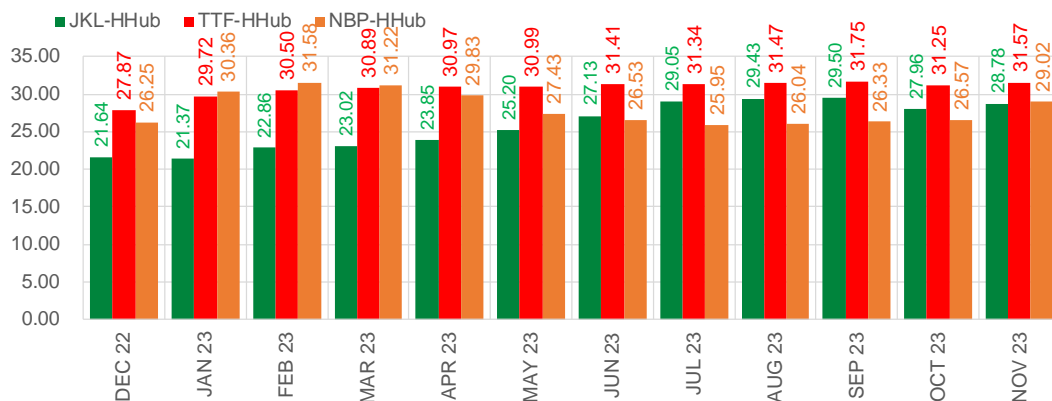
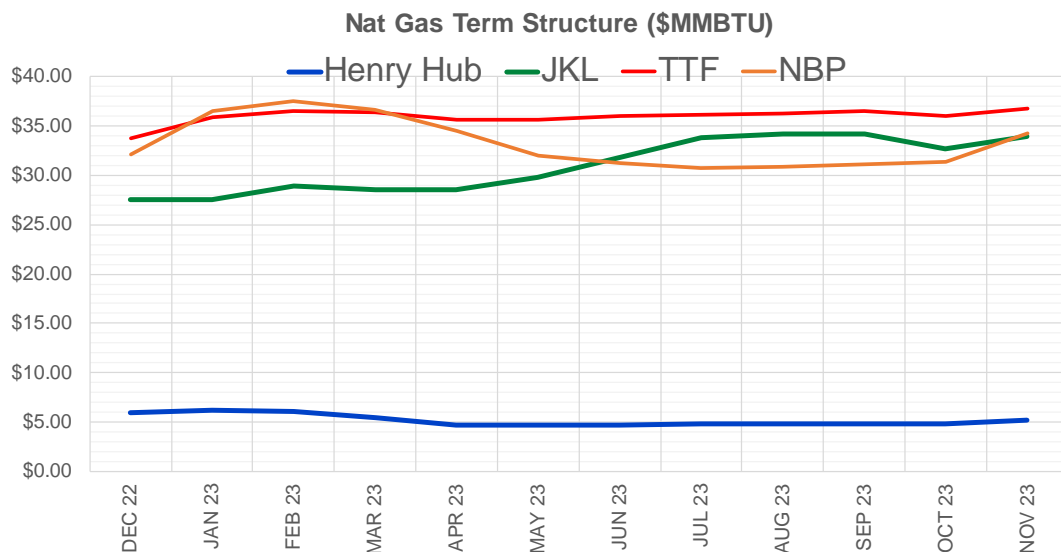


	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
Current Price	\$6.355	\$6.607	\$6.379	\$5.717	\$4.793	\$4.728	\$4.795	\$4.865	\$4.883	\$4.843	\$4.907	\$5.249
Last Week	\$5.199	\$5.753	\$6.034	\$5.847	\$5.312	\$4.576	\$4.527	\$4.602	\$4.685	\$4.706	\$4.673	\$4.749
vs. Last Week	\$1.156	\$0.854	\$0.345	-\$0.130	-\$0.519	\$0.152	\$0.268	\$0.263	\$0.198	\$0.137	\$0.234	\$0.500
4 Weeks Ago	\$6.470	\$6.803	\$6.989	\$6.715	\$5.945	\$4.840	\$4.735	\$4.805	\$4.875	\$4.886	\$4.854	\$4.929
vs. 4 Weeks Ago	-\$0.115	-\$0.196	-\$0.610	-\$0.998	-\$1.152	-\$0.112	\$0.060	\$0.060	\$0.008	-\$0.043	\$0.053	\$0.320
Last Year	\$5.186	\$5.305	\$5.202	\$4.912	\$3.893	\$3.799	\$3.836	\$3.880	\$3.882	\$3.865	\$3.895	\$3.984
vs. Last Year	\$1.169	\$1.302	\$1.177	\$0.805	\$0.900	\$0.929	\$0.959	\$0.985	\$1.001	\$0.978	\$1.012	\$1.265

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	3.65	6.88	3.23
TETCO M3	\$/MMBtu	3.06	4.69	1.63
FGT Zone 3	\$/MMBtu	3.32	5.68	2.36
Zone 6 NY	\$/MMBtu	3.32	4.85	1.53
Chicago Citygate	\$/MMBtu	3.65	5.25	1.60
Michcon	\$/MMBtu	3.73	5.15	1.42
Columbia TCO Pool	\$/MMBtu	3.15	4.70	1.55
Ventura	\$/MMBtu	3.81	5.40	1.59
Rockies/Opal	\$/MMBtu	6.75	5.02	-1.73
El Paso Permian Basin	\$/MMBtu	2.37	3.16	0.79
Socal Citygate	\$/MMBtu	7.72	6.02	-1.70
Malin	\$/MMBtu	7.40	5.75	-1.65
Houston Ship Channel	\$/MMBtu	2.59	4.97	2.38
Henry Hub Cash	\$/MMBtu	5.04	4.94	-0.10
AECO Cash	C\$/GJ	4.05	4.49	0.44
Station2 Cash	C\$/GJ	0.71	5.64	4.93
Dawn Cash	C\$/GJ	4.13	5.28	1.15

Source: CME, Bloomberg

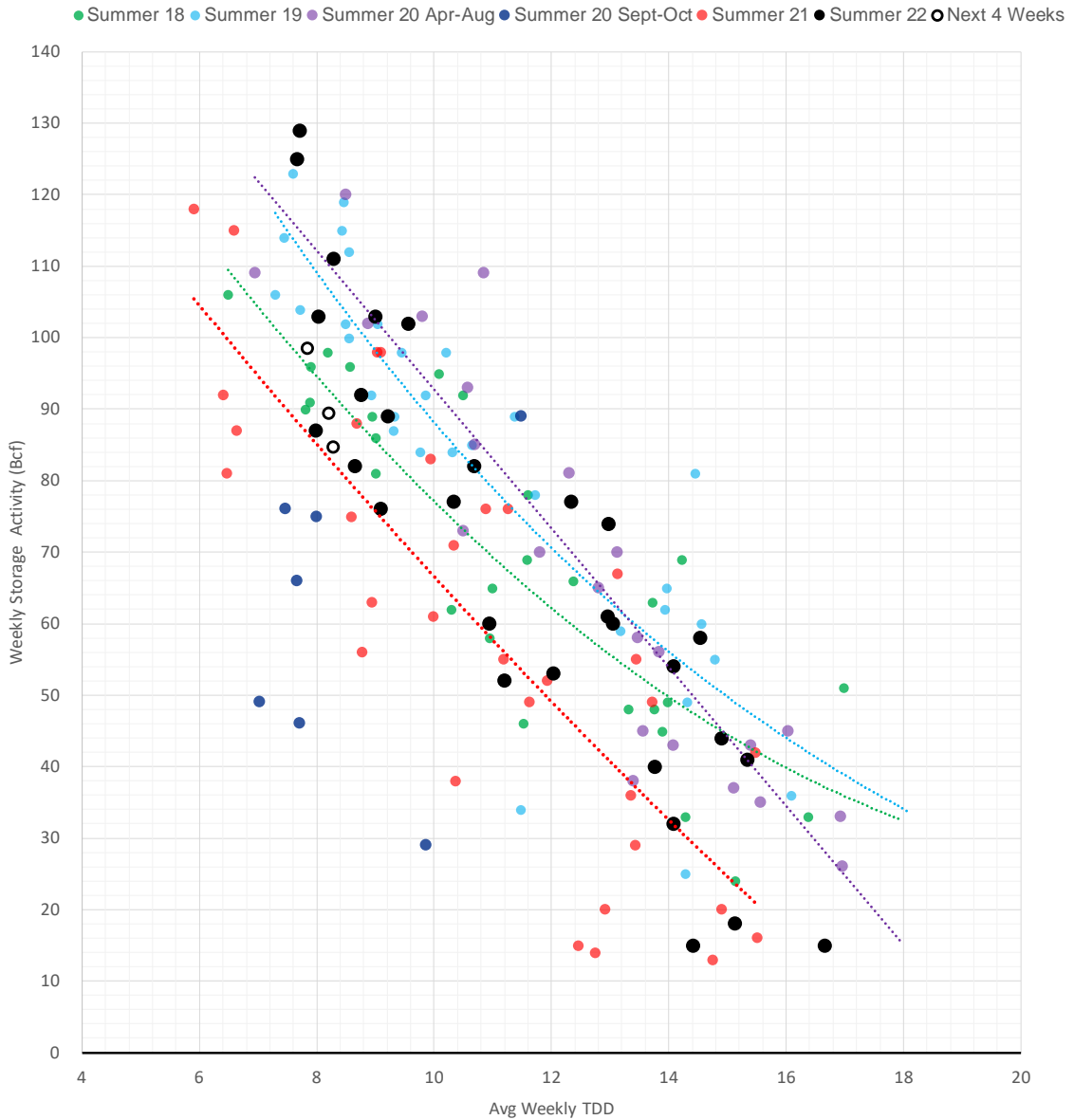
	Units	Current Price	vs. Last Week	vs. 4 Weeks Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 0.000
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.000
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -1.616
NatGas Apr22/Oct22	\$/MMBtu	1.532	▲ 0.000	▲ 0.000	▲ 1.556
WTI Crude	\$/Bbl	88.37	▲ 3.050	▲ 1.850	▲ 4.460
Brent Crude	\$/Bbl	94.65	▲ 1.130	▲ 2.850	▲ 9.930
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	362.11	▼ -34.610	▲ 8.530	▲ 111.290
Propane, Mt. Bel	cents/Gallon	0.88	▲ 0.026	▲ 0.002	▼ -0.533
Ethane, Mt. Bel	cents/Gallon	0.38	▼ -0.022	▼ -0.019	▼ -0.042
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	\$5.897	\$6.235	\$6.021	\$5.481	\$4.652	\$4.626	\$4.684	\$4.782	\$4.792	\$4.744	\$4.791	\$5.197
JKL	\$27.540	\$27.605	\$28.880	\$28.505	\$28.505	\$29.825	\$31.810	\$33.830	\$34.220	\$34.245	\$32.755	\$33.975
JKL-HHub	\$21.643	\$21.370	\$22.859	\$23.024	\$23.853	\$25.199	\$27.126	\$29.048	\$29.428	\$29.501	\$27.964	\$28.778
TTF	\$33.767	\$35.952	\$36.523	\$36.366	\$35.626	\$35.613	\$36.091	\$36.123	\$36.257	\$36.491	\$36.040	\$36.763
TTF-HHub	\$27.870	\$29.717	\$30.502	\$30.885	\$30.974	\$30.987	\$31.407	\$31.341	\$31.465	\$31.747	\$31.249	\$31.566
NBP	\$32.142	\$36.591	\$37.603	\$36.705	\$34.480	\$32.058	\$31.210	\$30.729	\$30.832	\$31.072	\$31.360	\$34.220
NBP-HHub	\$26.245	\$30.356	\$31.582	\$31.224	\$29.828	\$27.432	\$26.526	\$25.947	\$26.040	\$26.328	\$26.569	\$29.023

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Weather Storage Model - Next 4 Week Forecast



Weather Storage Model - Next 4 Week Forecast



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