

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 6.52 ▲	\$ 0.05 ▼	\$ (0.22) ▼

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 84.75 ▲	\$ 1.12 ▲	\$ 4.2 ▲

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 90.31 ▲	\$ 1.45 ▲	\$ 2.2 ▲

Page Menu

[Short-term Weather Model Outlooks](#)

[Lower 48 Component Models](#)

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

[Weather Model Storage Projection](#)

[Supply – Demand Trends](#)

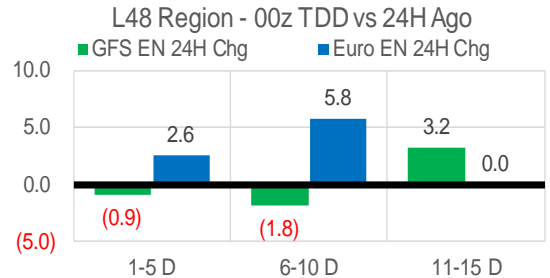
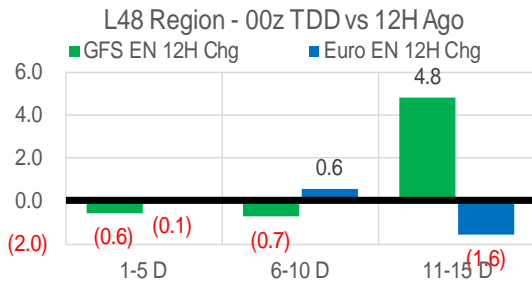
[Nat Gas Options Volume and Open Interest](#)

[Nat Gas Futures Open Interest](#)

[Price Summary](#)

Vs. 12H Ago

Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	101.1 ▼	-2.57 ▼	-1.31 ▼

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	32.2 ▲	1.09 ▲	2.17 ▲

	Current	Δ from YD	Δ from 7D Avg
US ResComm	13.8 ▼	-1.00 ▼	0.51 ▲

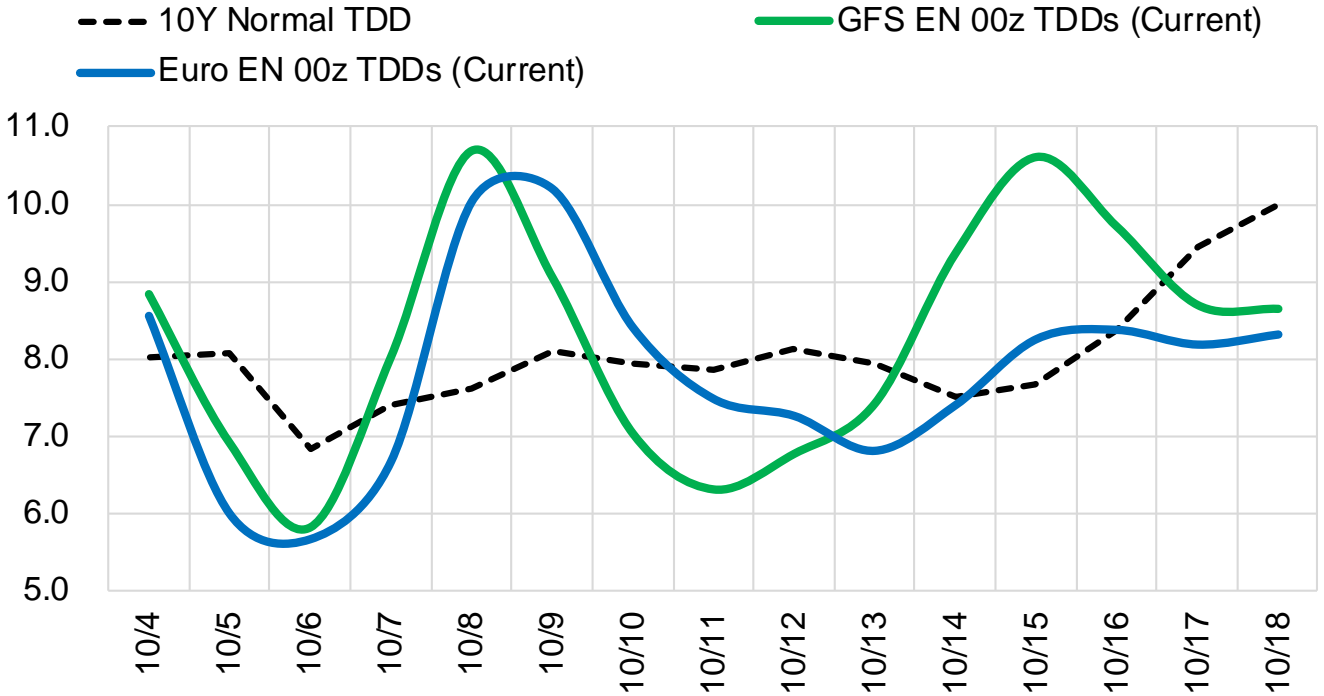
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	6.1 ▼	-0.06 ▼	-0.10 ▼

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	10.6 ▼	-0.01 ▼	-1.23 ▼

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.4 ▼	-0.06 ▼	-0.34 ▼

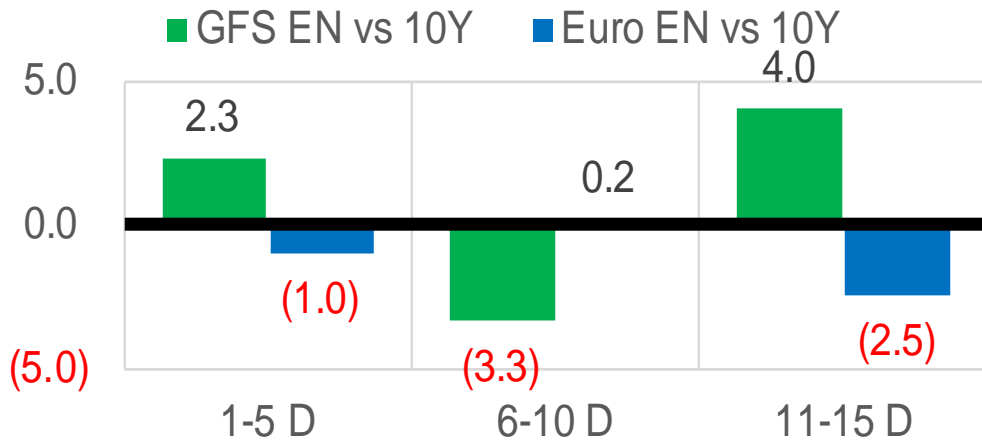
Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI, Bloomberg

Lower 48 Component Models

Daily Balances

	28-Sep	29-Sep	30-Sep	1-Oct	2-Oct	3-Oct	4-Oct	DoD	vs. 7D
Lower 48 Dry Production	101.7	102.1	102.1	102.7	103.3	103.7	101.1	▼-2.6	▼-1.5
Canadian Imports	6.3	6.1	6.1	6.1	6.1	6.1	6.1	▼-0.1	▼-0.1
L48 Power	30.9	30.2	29.6	28.0	28.4	31.1	32.2	▲ 1.1	▲ 2.5
L48 Residential & Commercial	13.9	13.5	13.3	12.4	12.7	14.8	13.8	▼-1.0	▲ 0.4
L48 Industrial	21.0	21.2	21.4	21.6	21.6	21.9	21.7	▼-0.1	▲ 0.3
L48 Lease and Plant Fuel	5.6	5.6	5.6	5.7	5.8	5.8	5.6	▼-0.2	▼-0.1
L48 Pipeline Distribution	2.8	2.7	2.7	2.5	2.5	2.8	2.8	▲ 0.0	▲ 0.2
L48 Regional Gas Consumption	74.2	73.2	72.6	70.3	71.0	76.4	76.2	▼-0.2	▲ 3.3
Net LNG Delivered	11.86	12.46	12.46	11.62	11.20	10.57	10.56	▼ 0.0	▼ -1.1
Total Mexican Exports	7.0	7.0	6.9	6.5	6.4	6.5	6.4	▼-0.1	▼-0.3
Implied Daily Storage Activity	14.9	15.5	16.2	20.5	20.8	16.3	14.0		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	LY 1-Oct	2-Sep	9-Sep	16-Sep	LW 23-Sep	Current 30-Sep	WoW	vs. LY
Lower 48 Dry Production	96.2	100.2	100.9	101.0	100.8	101.5	▲ 0.8	▲ 5.3
Canadian Imports	5.7	5.8	5.9	5.6	6.1	6.2	▲ 0.1	▲ 0.5
L48 Power	29.9	42.8	41.1	37.9	37.0	31.5	▼-5.5	1.6
L48 Residential & Commercial	9.2	7.9	7.6	8.0	8.2	11.9	▲ 3.7	2.7
L48 Industrial	22.0	21.8	21.4	20.9	21.4	20.7	▼-0.6	-1.3
L48 Lease and Plant Fuel	5.3	5.5	5.6	5.6	5.6	5.6	▲ 0.0	0.3
L48 Pipeline Distribution	2.4	3.0	3.0	2.8	2.8	2.7	▼-0.1	0.3
L48 Regional Gas Consumption	68.9	81.1	78.7	75.1	74.9	72.5	▼-2.5	▲ 3.6
Net LNG Exports	10.3	10.9	11.3	11.3	11.5	11.8	▲ 0.3	▲ 1.5
Total Mexican Exports	6.6	6.9	6.6	6.7	6.6	6.9	▲ 0.3	▲ 0.2
Implied Daily Storage Activity	16.1	7.2	10.2	13.4	13.9	16.6	2.7	0.5
EIA Reported Daily Storage Activity	16.9	7.7	11.0	14.7	14.7			
Daily Model Error	-0.8	-0.5	-0.8	-1.3	-0.8			

Monthly Balances

	2Yr Ago Oct-20	LY Oct-21	Jun-22	Jul-22	Aug-22	Sep-22	MTD Oct-22	MoM	vs. LY
Lower 48 Dry Production	88.5	95.5	97.3	97.7	99.1	101.0	103.2	▲ 2.2	▲ 7.8
Canadian Imports	4.3	5.4	5.7	5.9	5.4	5.9	6.1	▲ 0.2	▲ 0.8
L48 Power	30.6	30.4	38.3	44.3	43.1	36.9	29.2	▼-7.7	▼-1.3
L48 Residential & Commercial	15.5	12.6	8.9	8.3	8.0	9.0	13.3	▲ 4.3	▲ 0.7
L48 Industrial	22.7	21.7	19.1	19.8	21.1	21.1	21.7	▲ 0.6	▲ 0.0
L48 Lease and Plant Fuel	4.8	5.3	5.5	5.5	5.5	5.6	5.8	▲ 0.2	▲ 0.4
L48 Pipeline Distribution	2.5	2.7	2.9	3.1	3.0	2.8	2.6	▼-0.2	▼ 0.0
L48 Regional Gas Consumption	76.1	72.7	74.6	81.0	80.8	75.4	72.6	▼-2.9	▼-0.1
Net LNG Exports	8.0	10.6	11.2	10.9	11.0	11.5	11.1	▼-0.4	▲ 0.5
Total Mexican Exports	6.0	6.6	7.1	7.0	6.9	6.7	6.5	▼-0.2	▼-0.2
Implied Daily Storage Activity	2.7	11.0	10.0	4.7	5.8	13.4	19.2		
EIA Reported Daily Storage Activity									
Daily Model Error					0.0				

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	1-Oct	2-Oct	DoD	vs. 7D
NRC Nuclear Daily Output	84.7	84.6	84.1	81.4	81.5	79.9	80.2	0.3	-2.6
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	20.2	20.2	20.7	23.5	23.3	25.0	24.7	-0.3	2.6
NRC % Nuclear Cap Utilization	86.1	86.1	85.6	82.8	82.9	81.2	81.5	0.3	-2.6

Wind Generation Daily Average - MWh (EIA)

	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	1-Oct	2-Oct	DoD	vs. 7D
CALI Wind	1193	1632	1827	1549	1449	1808	1765	-43	189
TEXAS Wind	6870	8099	7871	6937	8028	8626	5976	-2650	-1763
US Wind	35542	34935	39654	34157	34600	39725	37162	-2563	726

Generation Daily Average - MWh (EIA)

	26-Sep	27-Sep	28-Sep	29-Sep	30-Sep	1-Oct	2-Oct	DoD	vs. 7D
US Wind	35542	34935	39654	34157	34600	39725	37162	-2563	726
US Solar	17172	15575	14633	13776	14185	15450	14618	-832	-514
US Petroleum	317	340	338	284	512	478	829	351	451
US Other	12219	12128	11508	10100	9953	10177	10325	147	-690
US Coal	80641	78597	76197	54443	54357	68217	68608	391	-134
US Nuke	85571	85543	84450	71198	88530	83105	81186	-1919	-1880
US Hydro	24443	24474	23452	22353	23679	19766	19198	-568	-3830
US Gas	186147	174836	167831	143486	152597	140667	150263	9596	-10665

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Storage Week Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)

	1-Oct	2-Sep	9-Sep	16-Sep	23-Sep	30-Sep	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	85.1	89.6	87.5	86.0	86.7	85.1	-1.7	0.3
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	19.8	15.2	17.4	18.9	18.1	19.8	1.7	
NRC % Nuclear Cap Utilization	86.5	91.2	88.9	87.4	88.2	86.5	-1.7	

Wind Generation Weekly Average - MWh (EIA)

	1-Oct	2-Sep	9-Sep	16-Sep	23-Sep	30-Sep	WoW	WoW Bcf/d Impact
CALI Wind	2467	1825	1285	2033	1941	1208	-733	0.1
TEXAS Wind	10364	6839	4092	8875	11580	8083	-3498	0.7
US Wind	43512	36122	27253	37396	47947	38901	-9046	1.7
							-19%	
							-0.3	

Generation Weekly Average - MWh (EIA)

	1-Oct	2-Sep	9-Sep	16-Sep	23-Sep	30-Sep	LY	Current	YoY	WoW Bcf/d Impact
US Wind	43512	36122	27253	37396	47947	38901			-9046	1.7
US Solar	12968	17072	16144	14887	17244	16208			-1036	0.2
US Petroleum	458	1075	1105	1029	1010	379			-632	0.1
US Other	8725	10580	9950	9950	10826	10917			91	0.0
US Coal	94602	113005	105981	91209	92461	74642			-17819	3.3
US Nuke	88422	92018	89638	88711	89298	85052			-4246	0.8
US Hydro	25385	27850	27950	25849	23537	22830			-707	0.1
US Gas	156149	232735	227619	201216	197532	168936			-28595	-5.4

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	Jul-22	Aug-22	Sep-22	Oct-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	NRC Nuclear Daily Output	87.3	86.2	90.6	90.5	86.2	79.9	85.2	-6.4
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	17.6	18.6	14.3	14.3	18.6	25.0	19.7	6.4	1.1
NRC % Nuclear Cap Utilization	88.7	87.7	92.1	92.1	87.7	81.2	86.6	-6.5	-1.1

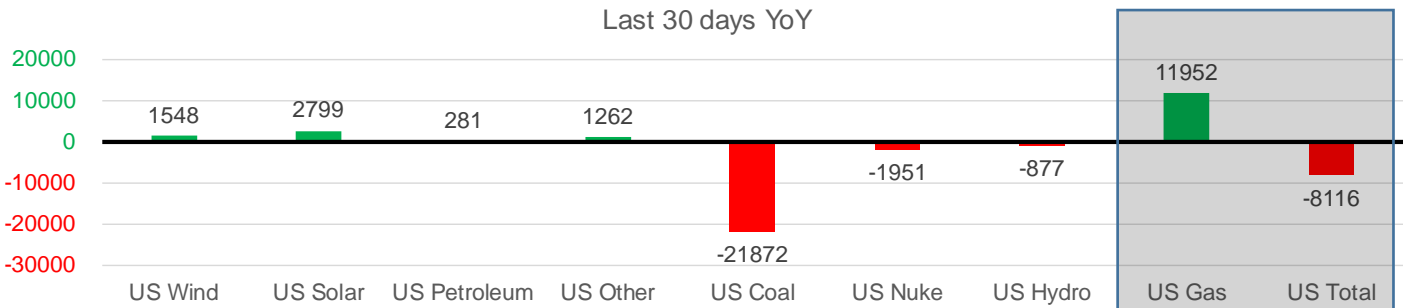
Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Jul-22	Aug-22	Sep-22	Oct-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	CALI Wind	1268	1788	2719	2028	1608	1776	1631	167
TEXAS Wind	7332	8226	11765	8440	7993	6638	8374	-1355	148
US Wind	31910	37141	39701	33222	37338	37802	38689	464	1548

Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Jul-22	Aug-22	Sep-22	Oct-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	US Wind	31910	37141	39701	33222	37338	37802	38689	▲ 886.2
US Solar	9062	13075	18598	16962	16043	14826	15874	▲ 1047.9	▲ 2799
US Petroleum	1003	559	1252	1253	864	741	841	▲ 99	▲ 281
US Other	8254	9177	10128	10426	10378	10288	10439	▲ 152	▲ 1262
US Coal	86336	107226	119788	117200	90642	68510	85354	▲ 16844	▼ -21872
US Nuke	90387	89120	92883	92976	88293	81666	87170	▲ 5504	▼ -1951
US Hydro	26027	25114	34227	30121	25102	19340	24237	▲ 4897	▼ -877
US Gas	173581	176273	235766	233741	198682	147864	188225	▲ 29429	▲ 11952
US Total	424726	457809	551821	535671	465960	382270	449693	▲ 57973	▼ -8116

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Regional S/D Models Storage Projection

Week Ending 30-Sep

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	17.7	-0.2	17.5	122
East	2.1	2.1	4.3	30
Midwest	4.2	0.1	4.3	30
Mountain	5.5	-4.2	1.3	9
South Central	5.1	2.0	7.1	50
Pacific	0.8	-0.3	0.5	3

*Adjustment Factor is calculated based on historical regional deltas

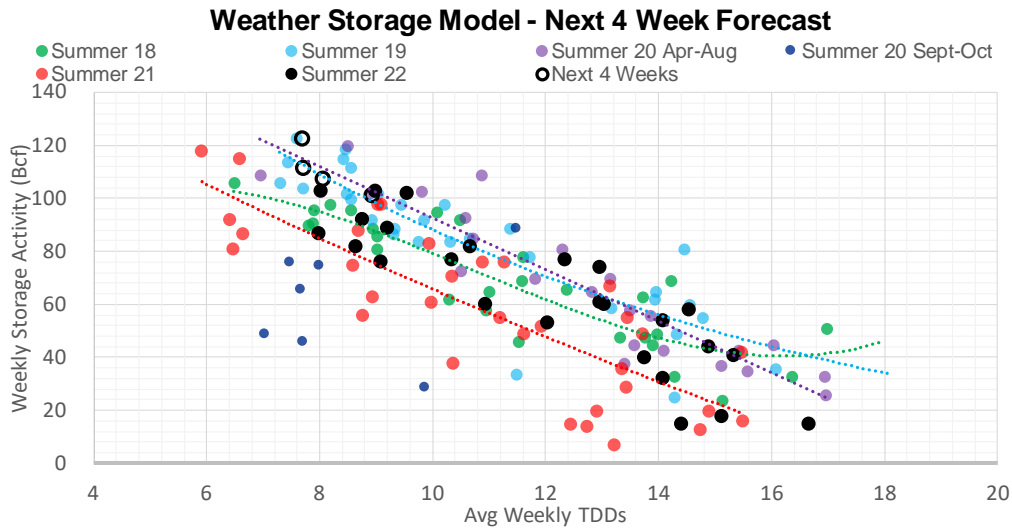
U.S. underground natural gas storage facilities by type (July 2015)



Weather Model Storage Projection

Next report
and beyond

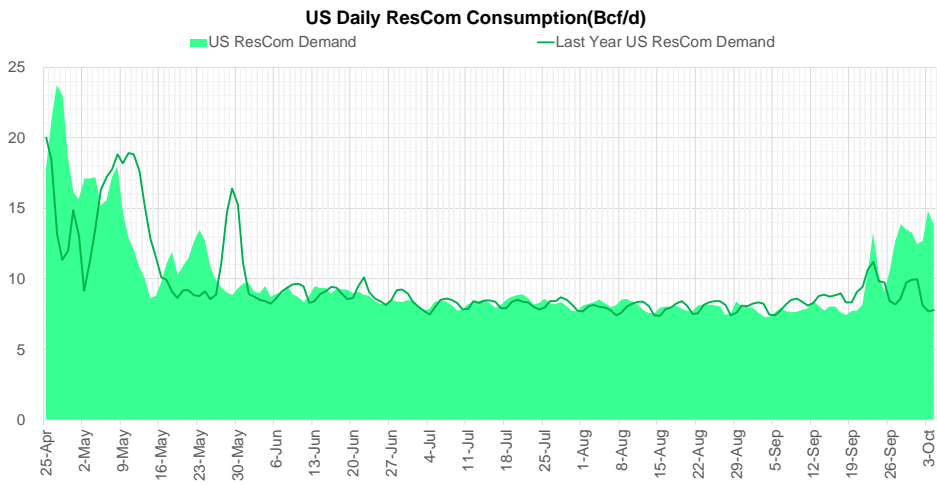
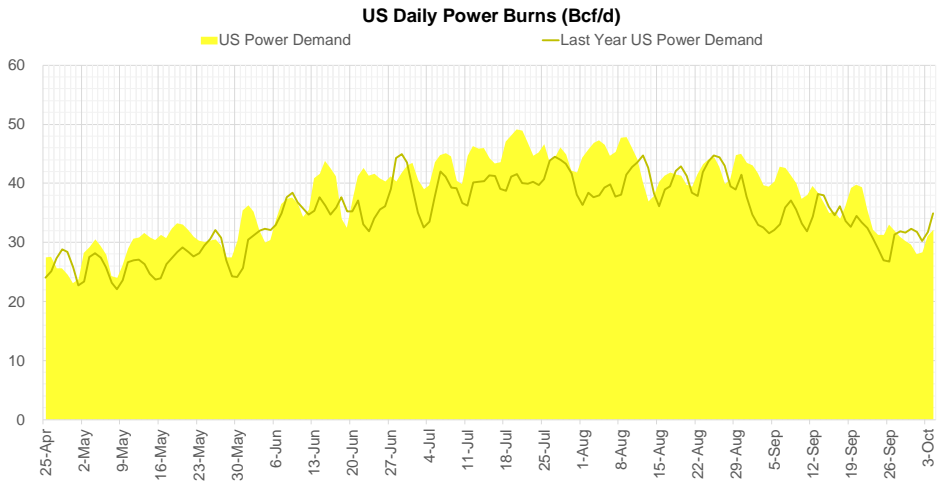
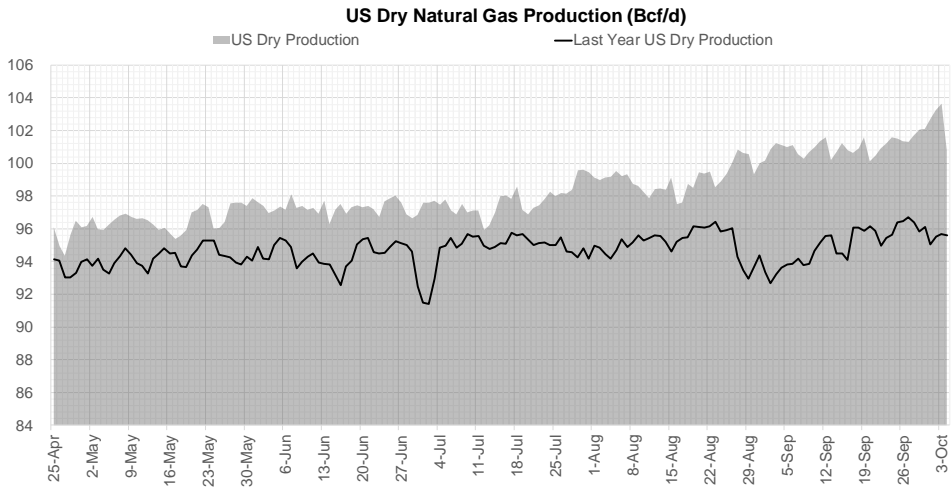
Week Ending	GWDDs	Week Storage Projection
30-Sep	7.7	122
07-Oct	7.7	111
14-Oct	8.1	107
21-Oct	8.9	101



Go to larger image



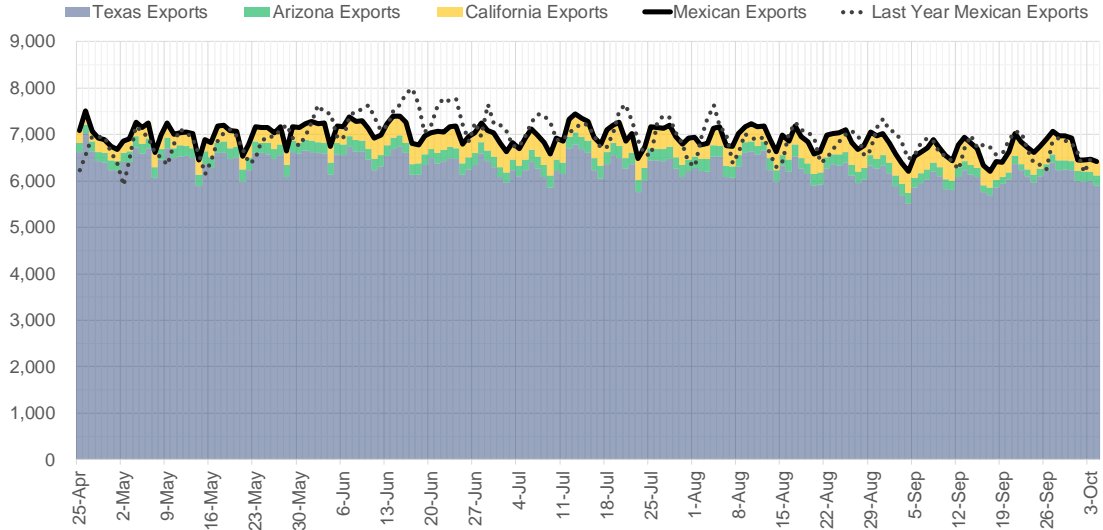
Supply – Demand Trends



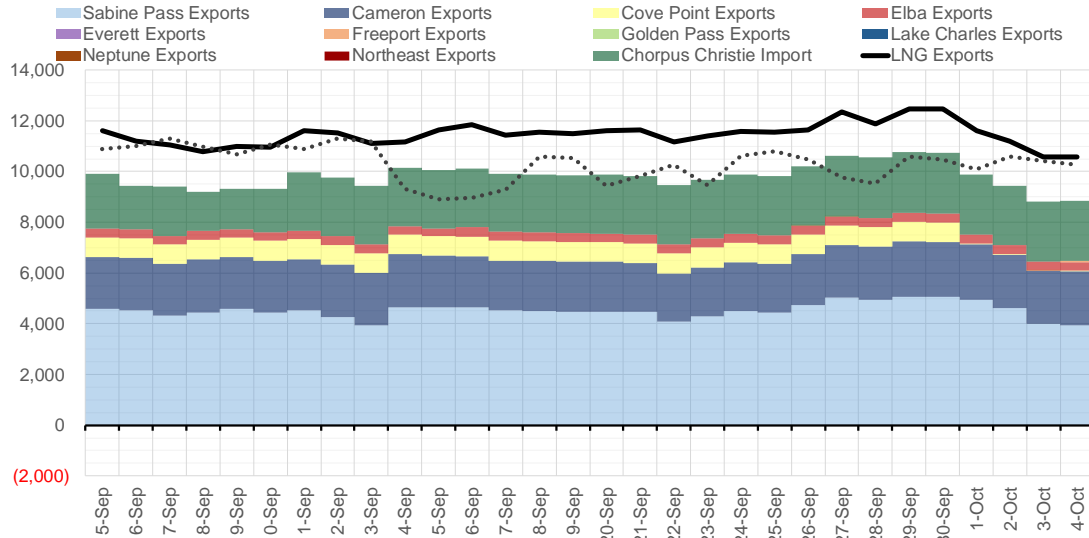
Source: Bloomberg

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

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.

Nat Gas Options Volume and Open Interest CME and ICE Combined

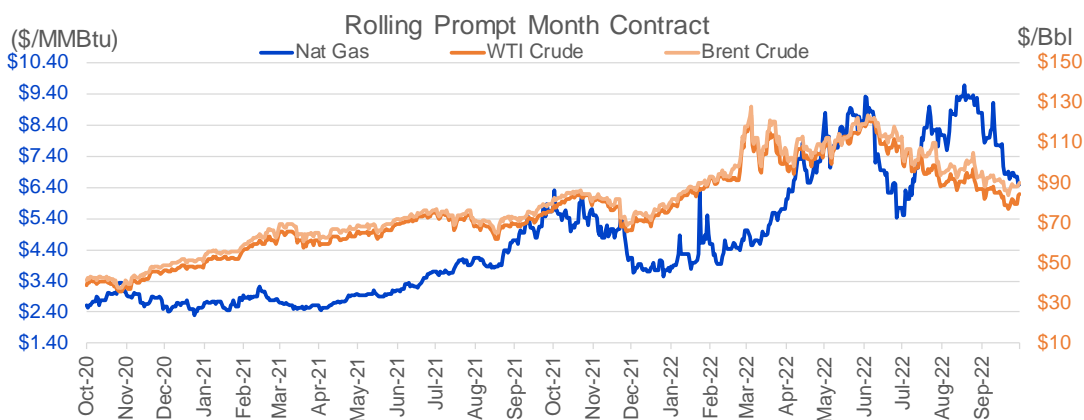
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
11	2022	P	6.00	5280	12	2022	P	4.00	25639
11	2022	C	8.00	4757	3	2023	C	10.00	25437
1	2023	C	20.00	2925	11	2022	P	4.00	24849
11	2022	P	5.00	2846	12	2022	P	5.00	23276
11	2022	P	5.50	2510	12	2022	P	6.00	22899
11	2022	C	7.50	2050	5	2023	P	2.00	22377
11	2022	P	6.25	2006	11	2022	P	5.00	21890
1	2023	C	10.00	1888	4	2023	P	3.00	21136
3	2023	C	10.00	1708	10	2023	P	3.00	19534
1	2023	C	15.00	1675	3	2023	P	4.00	19255
12	2022	C	7.50	1536	3	2023	C	20.00	19072
1	2024	C	6.00	1500	10	2023	P	2.50	18925
4	2023	C	5.00	1451	1	2023	C	10.00	18864
12	2022	P	6.00	1407	12	2022	C	5.00	18227
11	2022	P	5.75	1356	4	2023	P	3.50	18141
12	2022	P	4.00	1309	3	2023	P	3.00	17606
3	2023	P	2.75	1240	11	2022	C	10.00	17571
5	2023	C	7.00	1226	5	2023	P	3.00	17473
12	2022	C	11.50	1225	1	2023	P	4.00	17396
5	2023	C	5.00	1200	6	2023	P	3.00	17395
6	2023	C	5.00	1200	2	2023	C	10.00	17105
7	2023	C	5.00	1200	12	2022	P	5.50	16912
8	2023	C	5.00	1200	10	2023	P	4.00	16906
9	2023	C	5.00	1200	5	2023	P	3.50	16790
10	2023	C	5.00	1200	11	2022	C	12.00	16676
5	2023	C	5.50	1150	1	2023	P	5.00	16547
11	2022	C	9.00	1126	12	2022	C	4.00	16194
5	2023	C	8.50	1100	12	2022	C	10.00	16178
5	2023	P	2.50	1086	7	2023	P	3.00	15950
3	2023	P	4.50	1084	6	2023	P	3.50	15915
11	2022	P	4.00	1058	7	2023	P	3.50	15890
4	2023	C	7.00	1050	8	2023	P	3.50	15890
4	2023	C	10.00	1050	9	2023	P	3.50	15880
5	2023	C	10.00	1050	10	2023	P	3.50	15855
6	2023	C	10.00	1050	10	2023	P	2.00	15785
12	2022	C	17.00	1045	11	2022	C	4.00	15755
9	2023	C	7.00	1030	8	2023	P	3.00	15750
6	2023	C	7.00	1025	9	2023	P	3.00	15750
7	2023	C	7.00	1025	11	2022	P	6.00	15738
8	2023	C	7.00	1025	4	2023	P	4.00	15733
10	2023	C	7.00	1025	11	2022	C	8.00	15690
12	2022	C	12.50	1010	9	2023	P	4.00	15386
3	2023	C	7.50	1002	2	2023	C	9.00	15337
1	2023	P	2.75	1000	12	2022	P	7.00	14887
1	2023	P	4.25	1000	7	2023	P	4.00	14679
2	2023	P	2.75	1000	4	2023	P	2.00	14663
2	2023	P	4.25	1000	5	2023	P	4.00	14478
3	2023	P	4.25	1000	8	2023	P	4.00	14026
12	2022	C	15.00	983	11	2022	P	7.00	14000
					3	2023	P	2.75	13918

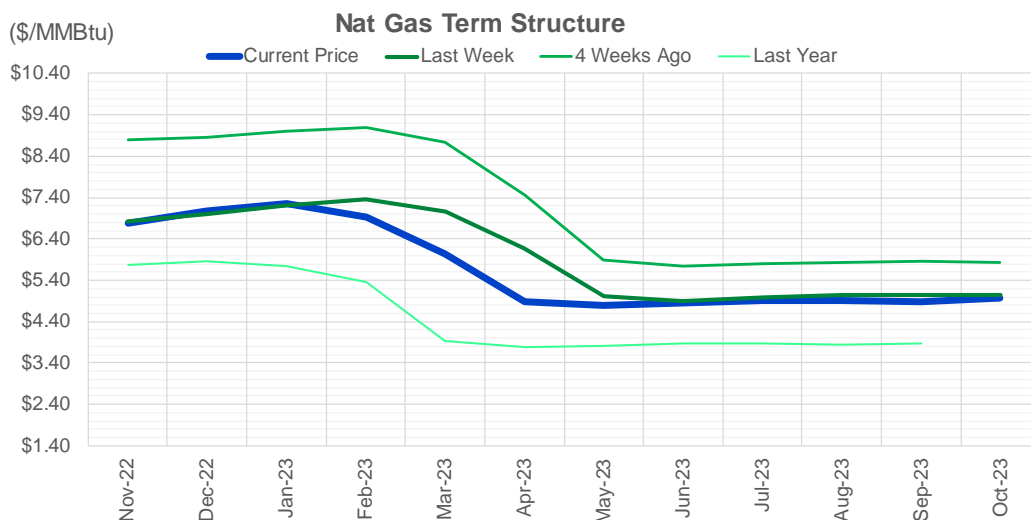
Source: CME, ICE

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
NOV 22	161649	159153	2496	NOV 22	71933	72253	-320
DEC 22	68268	66508	1760	DEC 22	73856	71853	2003
JAN 23	92503	92053	450	JAN 23	69860	69761	99
FEB 23	46704	44971	1733	FEB 23	64544	64678	-133
MAR 23	73987	72440	1547	MAR 23	57027	56695	332
APR 23	75908	76555	-647	APR 23	54741	54583	158
MAY 23	83113	82388	725	MAY 23	55182	54688	495
JUN 23	23729	23201	528	JUN 23	45612	45634	-22
JUL 23	25980	25706	274	JUL 23	46001	45405	596
AUG 23	20260	20177	83	AUG 23	44868	44355	513
SEP 23	22821	22849	-28	SEP 23	41636	41619	17
OCT 23	56024	54992	1032	OCT 23	54856	54855	1
NOV 23	18999	19441	-442	NOV 23	47500	47670	-170
DEC 23	15338	14939	399	DEC 23	40728	40562	166
JAN 24	26366	25607	759	JAN 24	43589	43646	-58
FEB 24	9747	9601	146	FEB 24	31227	31202	25
MAR 24	18980	19069	-89	MAR 24	36808	36716	92
APR 24	16018	16215	-197	APR 24	29810	29674	137
MAY 24	8041	8027	14	MAY 24	28378	28195	183
JUN 24	2771	2697	74	JUN 24	25684	25509	175
JUL 24	3691	3685	6	JUL 24	25267	25086	181
AUG 24	3714	3704	10	AUG 24	24967	24787	180
SEP 24	2289	2293	-4	SEP 24	24693	24519	174
OCT 24	9098	9103	-5	OCT 24	28842	28511	332
NOV 24	4983	4982	1	NOV 24	25990	25932	59
DEC 24	8247	8251	-4	DEC 24	29337	29291	45
JAN 25	17417	17398	19	JAN 25	23889	23946	-57
FEB 25	1636	1624	12	FEB 25	15891	15902	-11
MAR 25	5229	5209	20	MAR 25	18093	18050	43
APR 25	5171	5171	0	APR 25	16470	16496	-27

Source: CME, ICE



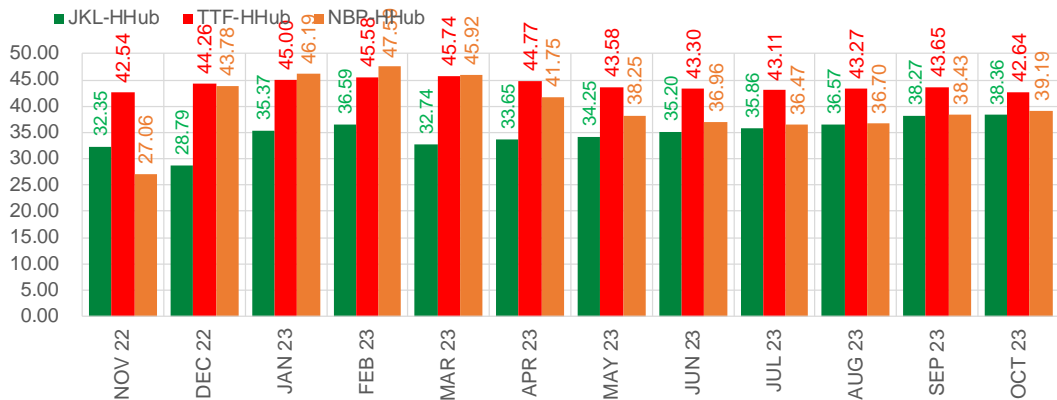
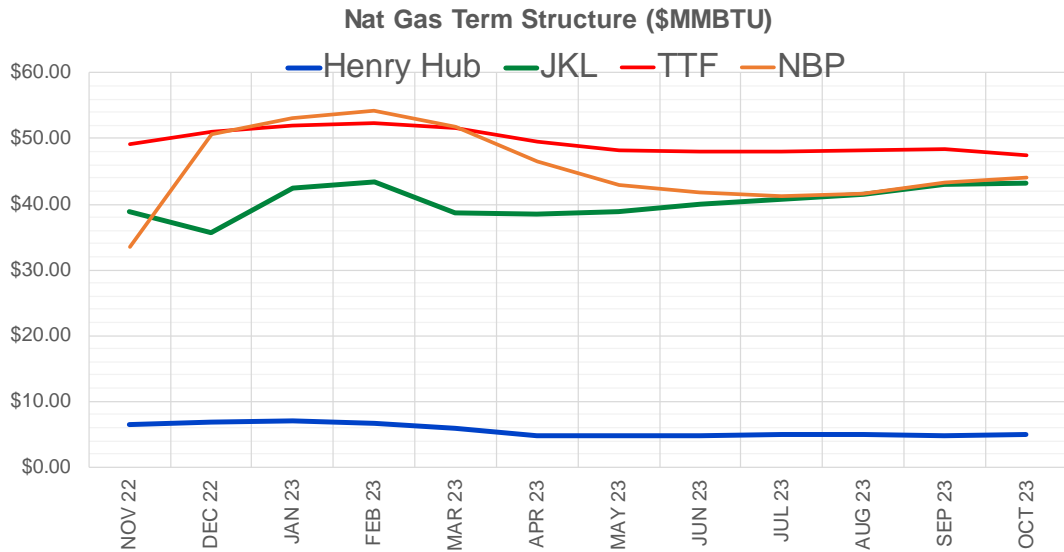


	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Current Price	\$6.766	\$7.065	\$7.247	\$6.937	\$6.028	\$4.887	\$4.784	\$4.848	\$4.914	\$4.924	\$4.894	\$4.965
Last Week	\$6.828	\$6.992	\$7.203	\$7.366	\$7.054	\$6.174	\$5.021	\$4.911	\$4.977	\$5.045	\$5.056	\$5.031
vs. Last Week	-\$0.062	\$0.073	\$0.044	-\$0.429	-\$1.026	-\$1.287	-\$0.237	-\$0.063	-\$0.063	-\$0.121	-\$0.162	-\$0.066
4 Weeks Ago	\$8.786	\$8.850	\$8.997	\$9.078	\$8.731	\$7.456	\$5.890	\$5.733	\$5.786	\$5.842	\$5.856	\$5.842
vs. 4 Weeks Ago	-\$2.020	-\$1.785	-\$1.750	-\$2.141	-\$2.703	-\$2.569	-\$1.106	-\$0.885	-\$0.872	-\$0.918	-\$0.962	-\$0.877
Last Year	\$5.619	\$5.763	\$5.853	\$5.742	\$5.367	\$3.940	\$3.787	\$3.820	\$3.861	\$3.869	\$3.851	\$3.880
vs. Last Year	\$1.147	\$1.302	\$1.394	\$1.195	\$0.661	\$0.947	\$0.997	\$1.028	\$1.053	\$1.055	\$1.043	\$1.085

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	5.10	5.10	0.00
TETCO M3	\$/MMBtu	4.81	4.97	0.16
FGT Zone 3	\$/MMBtu	4.95	7.46	2.51
Zone 6 NY	\$/MMBtu	4.95	4.53	-0.43
Chicago Citygate	\$/MMBtu	4.72	5.98	1.26
Michcon	\$/MMBtu	4.74	5.86	1.12
Columbia TCO Pool	\$/MMBtu	4.15	5.26	1.11
Ventura	\$/MMBtu	4.67	5.91	1.24
Rockies/Opal	\$/MMBtu	4.68	5.76	1.08
El Paso Permian Basin	\$/MMBtu	2.74	4.17	1.43
Socal Citygate	\$/MMBtu	5.49	6.42	0.93
Malin	\$/MMBtu	5.10	6.12	1.02
Houston Ship Channel	\$/MMBtu	4.68	5.87	1.19
Henry Hub Cash	\$/MMBtu	5.64	5.72	0.08
AECO Cash	C\$/GJ	3.27	3.22	-0.05
Station2 Cash	C\$/GJ	0.39	6.00	5.61
Dawn Cash	C\$/GJ	4.72	5.86	1.14

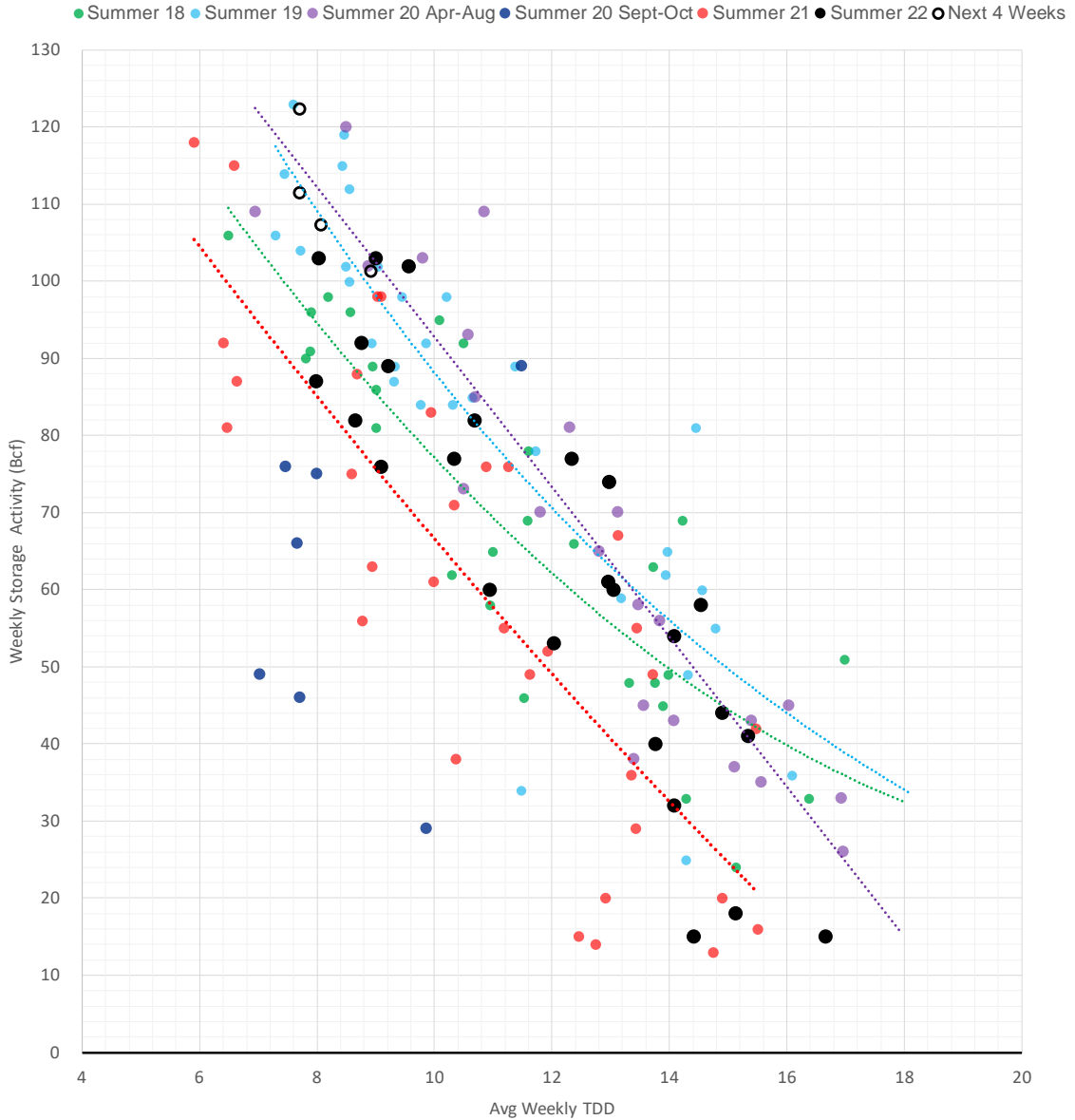
Source: CME, Bloomberg

	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	▲ 0.436
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -1.975
NatGas Apr22/Oct22	\$/MMBtu	1.532	▼ -0.035	▼ -1.918	▲ 1.611
WTI Crude	\$/Bbl	83.63	▲ 6.920	▼ -3.240	▲ 6.010
Brent Crude	\$/Bbl	88.86	▲ 4.800	▼ -6.880	▲ 7.600
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	336.91	▲ 24.000	▼ -20.890	▲ 93.250
Propane, Mt. Bel	cents/Gallon	0.86	▼ -0.132	▼ -0.225	▼ -0.643
Ethane, Mt. Bel	cents/Gallon	0.39	▼ -0.072	▼ -0.175	▼ -0.049
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			

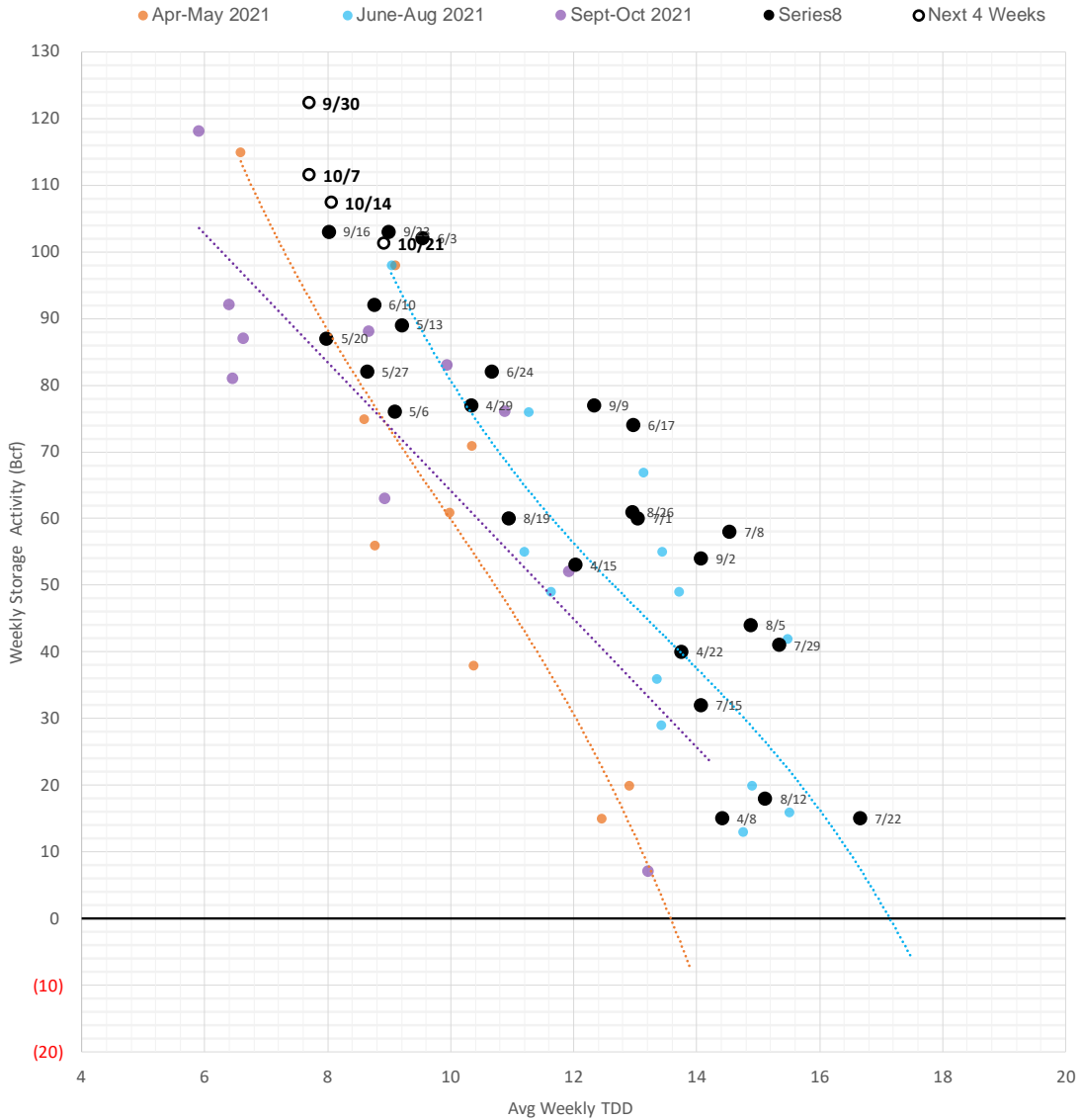


	NOV 22	DEC 22	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23	AUG 23	SEP 23	OCT 23
Henry Hub	\$6.517	\$6.847	\$7.008	\$6.734	\$5.947	\$4.812	\$4.701	\$4.769	\$4.853	\$4.855	\$4.820	\$4.905
JKL	\$38.870	\$35.640	\$42.380	\$43.325	\$38.685	\$38.465	\$38.950	\$39.965	\$40.715	\$41.425	\$43.090	\$43.260
JKL-HHHub	\$32.353	\$28.793	\$35.372	\$36.591	\$32.738	\$33.653	\$34.249	\$35.196	\$35.862	\$36.570	\$38.270	\$38.355
TTF	\$49.060	\$51.103	\$52.005	\$52.312	\$51.690	\$49.584	\$48.279	\$48.064	\$47.963	\$48.121	\$48.470	\$47.541
TTF-HHHub	\$42.543	\$44.256	\$44.997	\$45.578	\$45.743	\$44.772	\$43.578	\$43.295	\$43.110	\$43.266	\$43.650	\$42.636
NBP	\$33.580	\$50.631	\$53.194	\$54.320	\$51.865	\$46.566	\$42.950	\$41.731	\$41.327	\$41.550	\$43.254	\$44.096
NBP-HHHub	\$27.063	\$43.784	\$46.186	\$47.586	\$45.918	\$41.754	\$38.249	\$36.962	\$36.474	\$36.695	\$38.434	\$39.191

Weather Storage Model - Next 4 Week Forecast



Weather Storage Model - Next 4 Week Forecast



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.

