

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 6.82	▼ \$ (0.15)	▲ \$ 0.03

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 89.85	▲ \$ 1.40	▲ \$ 6.3

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 95.77	▲ \$ 1.35	▲ \$ 5.4

Page Menu

[Short-term Weather Model Outlooks](#)

[Lower 48 Component Models](#)

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

[Weather Model Storage Projection](#)

[Supply – Demand Trends](#)

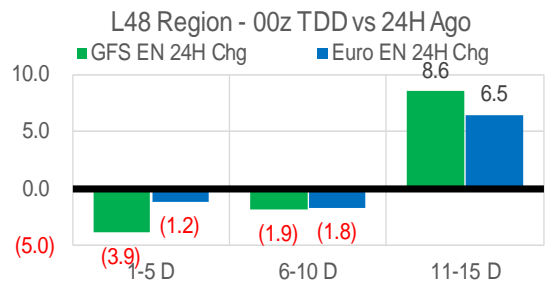
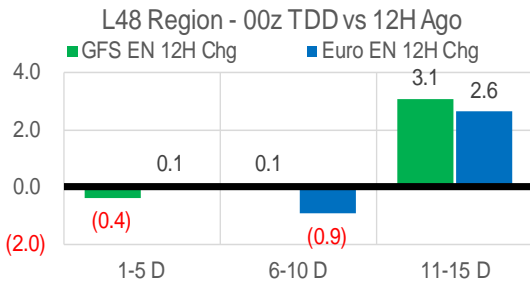
[Nat Gas Options Volume and Open Interest](#)

[Nat Gas Futures Open Interest](#)

[Price Summary](#)

Vs. 12H Ago

Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	101.5	▼ -0.08	▼ -0.84

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	31.4	▼ -0.51	▲ 0.87

	Current	Δ from YD	Δ from 7D Avg
US ResComm	14.0	▲ 2.92	▲ 0.80

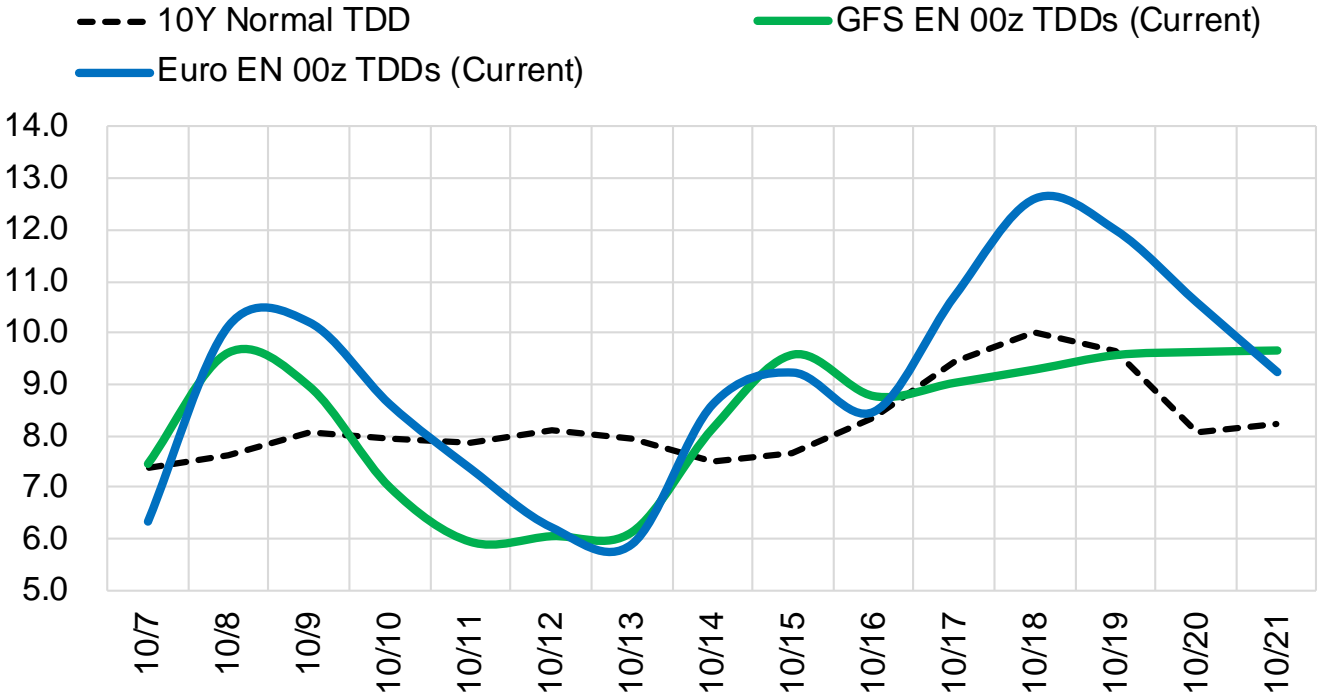
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	5.5	▼ -0.04	▼ -0.47

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	11.1	▲ 0.83	▲ 0.09

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.4	▼ -0.36	▼ -0.23

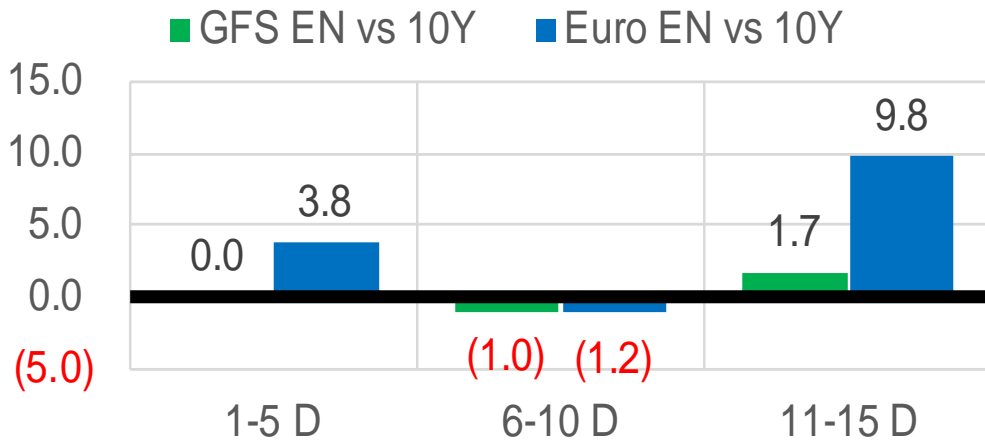
Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI , Bloomberg

Lower 48 Component Models

Daily Balances

	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	DoD	vs. 7D
Lower 48 Dry Production	102.6	103.1	103.6	102.0	101.5	101.6	101.5	▼ -0.1	▼ -0.9
Canadian Imports	6.1	6.1	6.2	6.0	5.8	5.6	5.5	▼ 0.0	▼ -0.5
L48 Power	27.9	28.5	31.3	32.5	32.5	32.0	31.4	▼ -0.5	▲ 0.7
L48 Residential & Commercial	12.4	12.8	15.1	15.2	12.6	11.1	14.0	▲ 2.9	▲ 0.8
L48 Industrial	20.9	21.0	21.3	21.4	21.4	21.5	22.3	▲ 0.8	▲ 1.0
L48 Lease and Plant Fuel	5.7	5.8	5.8	5.7	5.7	5.7	5.7	▼ 0.0	▼ -0.1
L48 Pipeline Distribution	2.5	2.5	2.9	2.9	2.8	2.7	2.8	▲ 0.1	▲ 0.1
L48 Regional Gas Consumption	69.3	70.5	76.4	77.7	74.9	72.8	76.1	▲ 3.3	▲ 2.5
Net LNG Delivered	11.62	11.20	10.57	10.60	10.40	10.27	11.11	▲ 0.8	▲ 0.3
Total Mexican Exports	6.4	6.3	6.4	6.8	6.8	6.8	6.4	▼ -0.4	▼ -0.2
Implied Daily Storage Activity	21.4	21.2	16.5	12.8	15.2	17.3	13.4		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	LY 8-Oct	9-Sep	16-Sep	23-Sep	LW 30-Sep	Current 7-Oct	WoW	vs. LY
Lower 48 Dry Production	95.3	100.9	101.0	100.8	101.6	102.3	▲ 0.7	▲ 7.1
Canadian Imports	5.3	5.9	5.6	6.1	6.2	6.0	▼ -0.2	▲ 0.7
L48 Power	32.9	41.1	37.9	37.0	31.5	30.6	▼ -0.9	-2.4
L48 Residential & Commercial	8.2	7.6	8.0	8.2	11.9	13.2	▲ 1.3	5.0
L48 Industrial	23.6	21.4	20.9	21.3	20.2	21.2	▲ 1.0	-2.4
L48 Lease and Plant Fuel	5.3	5.6	5.6	5.6	5.6	5.7	▲ 0.1	0.4
L48 Pipeline Distribution	2.5	3.0	2.8	2.8	2.7	2.7	▲ 0.0	0.2
L48 Regional Gas Consumption	72.6	78.7	75.1	74.9	71.9	73.3	▲ 1.5	▲ 0.7
Net LNG Exports	9.9	11.3	11.3	11.5	11.8	11.0	▼ -0.8	▲ 1.1
Total Mexican Exports	6.5	6.6	6.7	6.6	6.9	6.6	▼ -0.3	▲ 0.1
Implied Daily Storage Activity	11.5	10.2	13.4	14.0	17.2	17.4	0.2	5.8
EIA Reported Daily Storage Activity	11.6	11.0	14.7	14.7	18.4			
Daily Model Error	0.0	-0.8	-1.3	-0.8	-1.3			

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	101.1	102.4	▲ 1.3	▲ 6.9
Canadian Imports	4.3	5.4	5.7	5.9	5.4	5.9	6.0	▲ 0.0	▲ 0.6
L48 Power	30.6	30.4	38.3	44.3	43.1	36.8	30.8	▼ -6.1	▲ 0.3
L48 Residential & Commercial	15.5	12.6	8.9	8.3	8.0	9.0	13.2	▲ 4.2	▲ 0.6
L48 Industrial	22.7	21.7	19.1	19.8	21.1	21.0	21.2	▲ 0.3	▼ -0.4
L48 Lease and Plant Fuel	4.8	5.3	5.5	5.5	5.5	5.6	5.7	▲ 0.1	▲ 0.4
L48 Pipeline Distribution	2.5	2.7	2.9	3.1	3.0	2.8	2.7	▼ -0.1	▲ 0.1
L48 Regional Gas Consumption	76.1	72.7	74.6	81.0	80.8	75.2	73.6	▼ -1.6	▲ 0.9
Net LNG Exports	8.0	10.6	11.2	10.9	11.0	11.5	10.8	▼ -0.7	▲ 0.2
Total Mexican Exports	6.0	6.6	7.1	7.0	6.9	6.7	6.6	▼ -0.1	▼ 0.0
Implied Daily Storage Activity	2.7	11.0	10.0	4.7	5.8	13.6	17.4		
EIA Reported Daily Storage Activity									
Daily Model Error					0.0				

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	29-Sep	30-Sep	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	DoD	vs. 7D
NRC Nuclear Daily Output	81.4	81.5	79.9	80.2	79.7	80.8	81.3	0.5	0.7
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	23.5	23.3	25.0	24.7	25.2	24.1	23.6	-0.5	-0.7
NRC % Nuclear Cap Utilization	82.8	82.9	81.2	81.5	81.1	82.2	82.6	0.5	0.7

Wind Generation Daily Average - MWh (EIA)

	29-Sep	30-Sep	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	DoD	vs. 7D
CALI Wind	1549	1449	1808	1765	1633	1077	913	-164	-634
TEXAS Wind	6937	8028	8626	5976	5616	6402	5625	-777	-1306
US Wind	45876	45893	40261	37167	34235	25876	18801	-7075	-19417

Generation Daily Average - MWh (EIA)

	29-Sep	30-Sep	1-Oct	2-Oct	3-Oct	4-Oct	5-Oct	DoD	vs. 7D
US Wind	45876	45893	40261	37167	34235	25876	18801	-7075	-19417
US Solar	14562	14930	15450	14640	14298	15325	15212	-113	344
US Petroleum	284	512	478	829	759	850	765	-86	146
US Other	10723	10593	10205	10328	10635	10673	10496	-177	-31
US Coal	74265	74506	68885	68608	74706	76643	80927	4284	7991
US Nuke	82368	100142	83579	81186	81026	81914	82188	274	-2848
US Hydro	23234	24507	19805	19216	21940	21885	22316	431	551
US Gas	160012	169570	141291	150263	176065	185799	189031	3233	25198

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Storage Week Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)

	8-Oct	9-Sep	16-Sep	23-Sep	30-Sep	7-Oct	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	82.1	87.5	86.0	86.7	84.9	80.5	-4.4	0.8
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	22.7	17.4	18.9	18.1	20.0	24.4	4.4	
NRC % Nuclear Cap Utilization	83.5	88.9	87.4	88.2	86.4	81.9	-4.5	

Wind Generation Weekly Average - MWh (EIA)

	8-Oct	9-Sep	16-Sep	23-Sep	30-Sep	7-Oct	WoW	WoW Bcf/d Impact
CALI Wind	1099	1285	2033	1941	1208	1365	158	0.0
TEXAS Wind	4890	4092	8875	11580	8083	6557	-1526	0.3
US Wind	20468	27253	37396	47947	40597	31576	-9021	1.7
							-22%	
						-0.2		

Generation Weekly Average - MWh (EIA)

	8-Oct	9-Sep	16-Sep	23-Sep	30-Sep	7-Oct	LY	Current	WoW	WoW Bcf/d Impact
US Wind	20468	27253	37396	47947	40597	31576			-9021	1.7
US Solar	11296	16138	14887	17244	16568	15010			-1559	0.3
US Petroleum	949	1105	1029	1010	379	708			330	-0.1
US Other	10985	9948	10065	10826	11112	10489			-623	0.1
US Coal	100817	105981	91209	92461	77587	75029			-2559	0.5
US Nuke	83696	89638	88711	89298	86646	84603			-2043	0.4
US Hydro	24553	27950	25849	23537	23067	21712			-1355	0.3
US Gas	179856	227619	201189	197536	171781	171578			-203	0.0

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	86.1	85.3	90.6	90.5	86.2	80.3	84.5	-5.9
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	18.8	19.6	14.3	14.3	18.7	24.5	20.4	5.9	0.9
NRC % Nuclear Cap Utilization	87.6	86.8	92.1	92.1	87.7	81.7	85.9	-6.0	-0.9

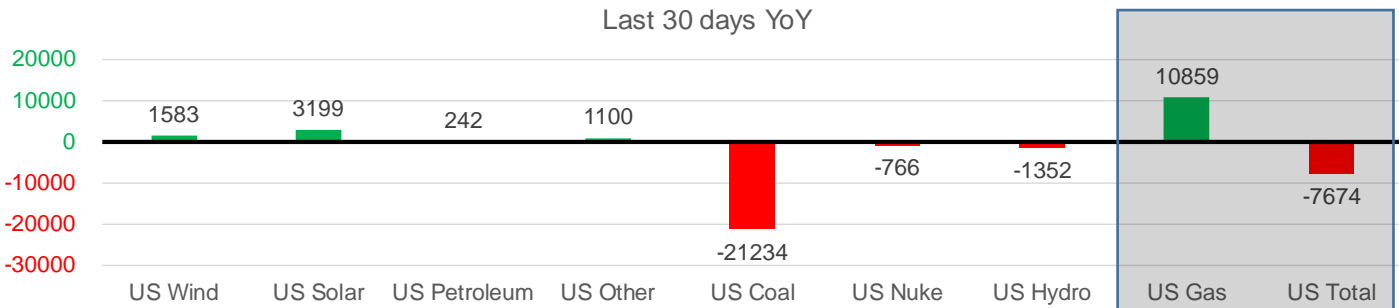
Wind Generation Monthly Average - MWh (EIA)

	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	1233	1869	2719	2028	1608	1289	1596	-320
TEXAS Wind	7319	8513	11765	8440	7993	6214	8468	-1780	-46
US Wind	31514	36944	39701	33222	38110	27706	38527	-10405	1583

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	31514	36944	39701	33222	38110	27706	38527	▲10820.9
US Solar	8939	12648	18599	16965	16150	15050	15847	▲ 797.1	▲ 3199
US Petroleum	1002	563	1252	1253	864	744	805	▲ 61	▲ 242
US Other	8220	9499	10142	10543	10471	10475	10600	▲ 124	▲ 1100
US Coal	83334	105806	119788	117200	92001	75946	84573	▲ 8627	▼ -21234
US Nuke	89329	87971	92883	92976	89052	82038	87205	▲ 5166	▼ -766
US Hydro	25860	25072	34227	30121	25185	21399	23720	▲ 2320	▼ -1352
US Gas	174012	176203	235752	233741	199906	174359	187062	▲ 27917	▲ 10859
US Total	420340	454801	551815	535704	470337	408070	447127	▲ 45012	▼ -7674

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Regional S/D Models Storage Projection

Week Ending 7-Oct

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	18.5	0.0	18.5	129
East	0.6	2.4	3.0	21
Midwest	4.8	0.5	5.3	37
Mountain	5.4	-4.3	1.1	8
South Central	6.9	1.7	8.5	60
Pacific	0.9	-0.3	0.5	4

*Adjustment Factor is calculated based on historical regional deltas

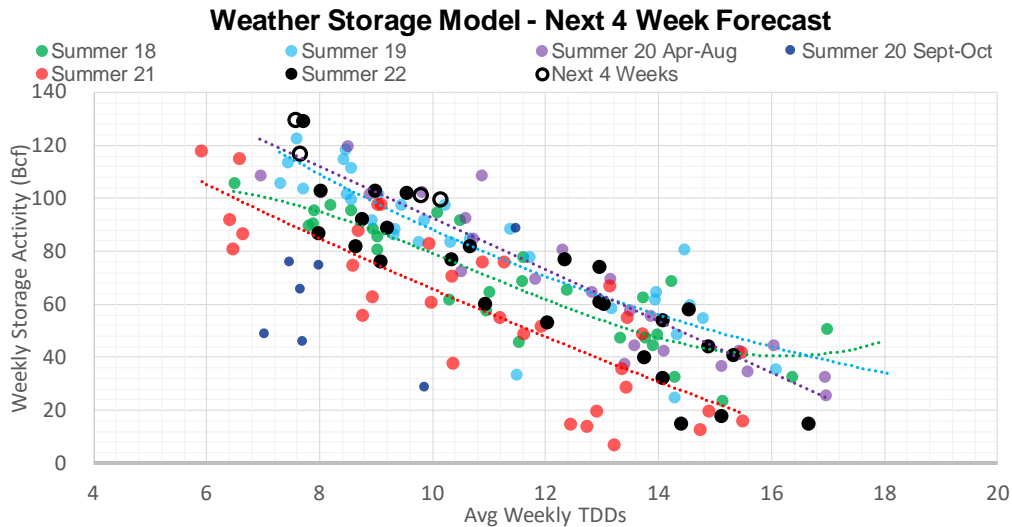
U.S. underground natural gas storage facilities by type (July 2015)



Weather Model Storage Projection

Next report
and beyond

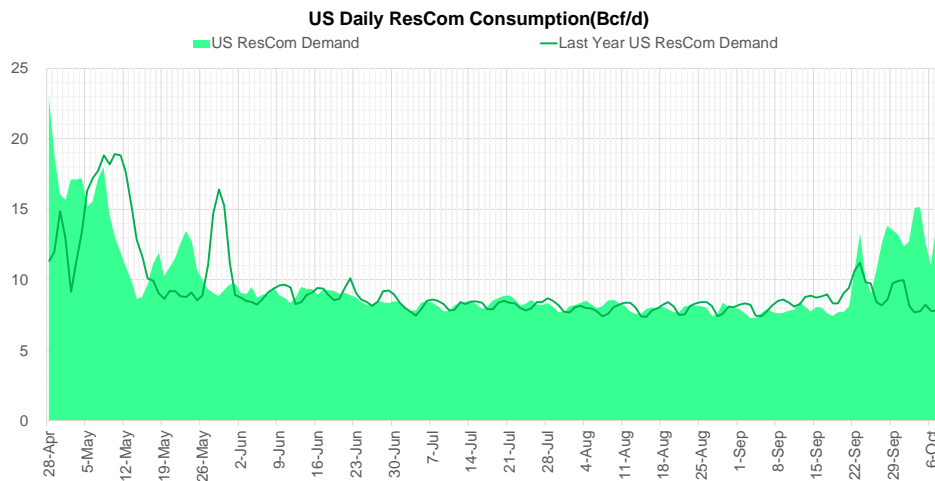
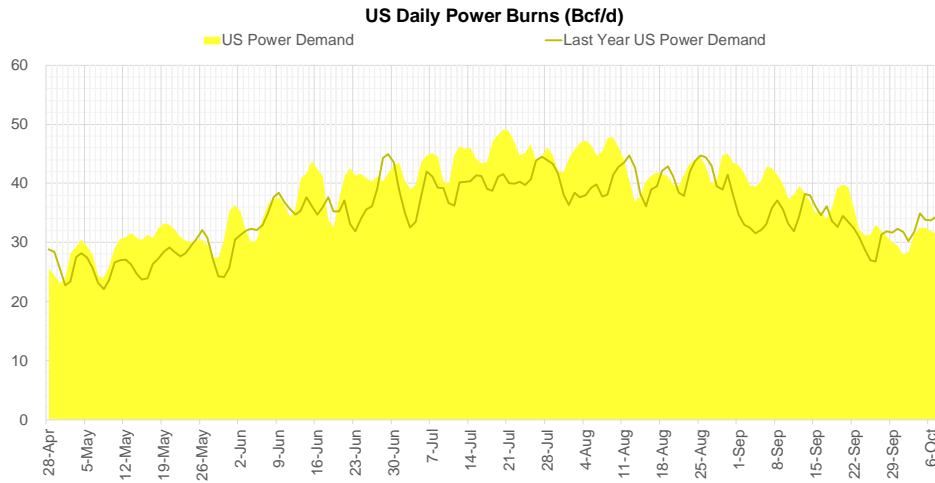
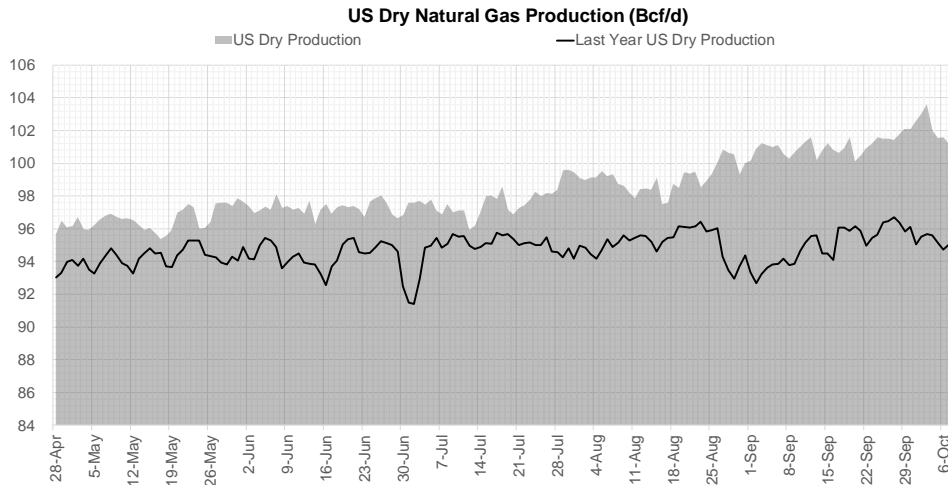
Week Ending	GWDDs	Week Storage Projection
07-Oct	7.6	129
14-Oct	7.7	117
21-Oct	9.8	101
28-Oct	10.2	99



Go to larger image



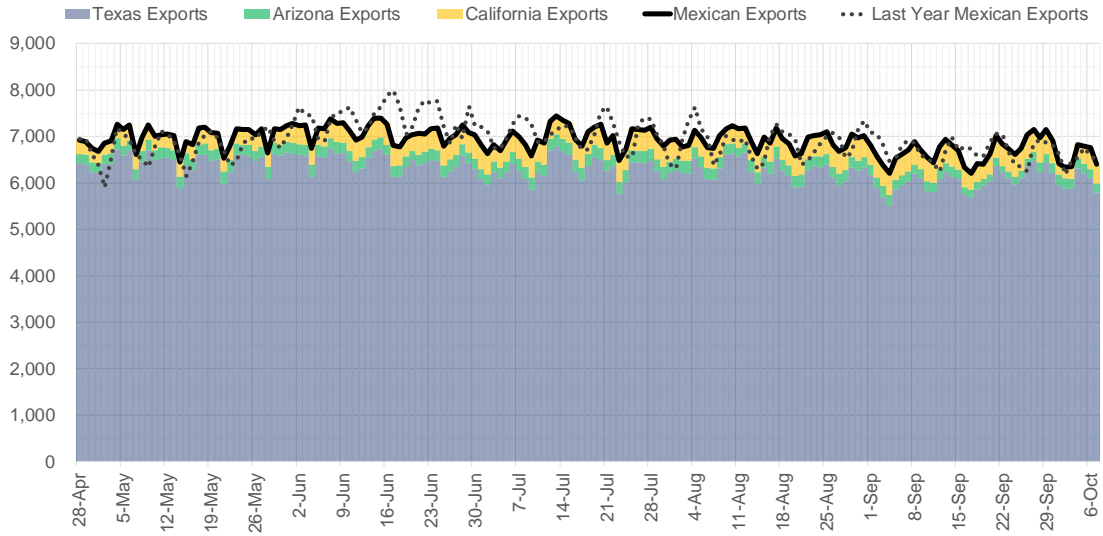
Supply – Demand Trends



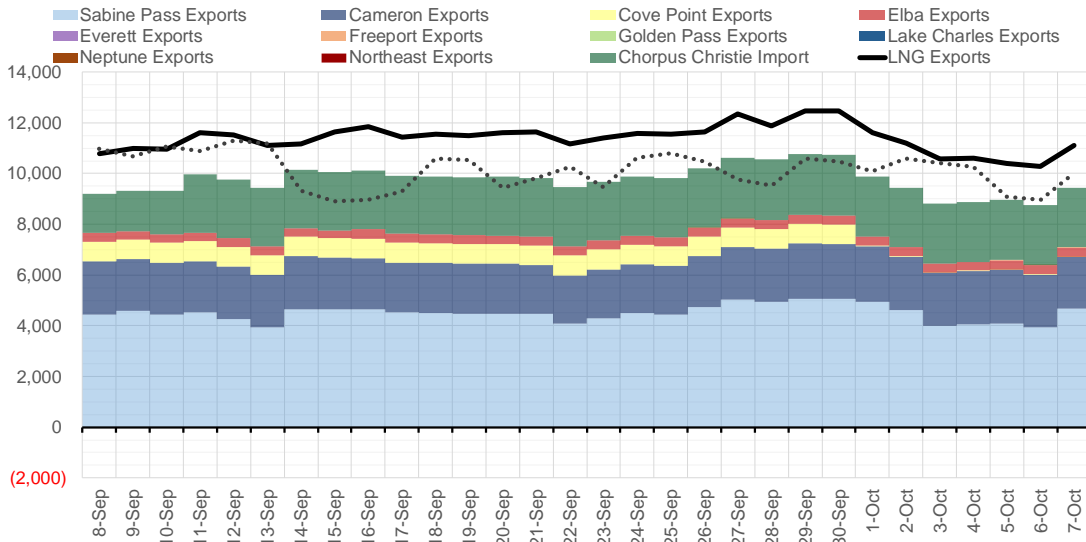
Source: Bloomberg

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

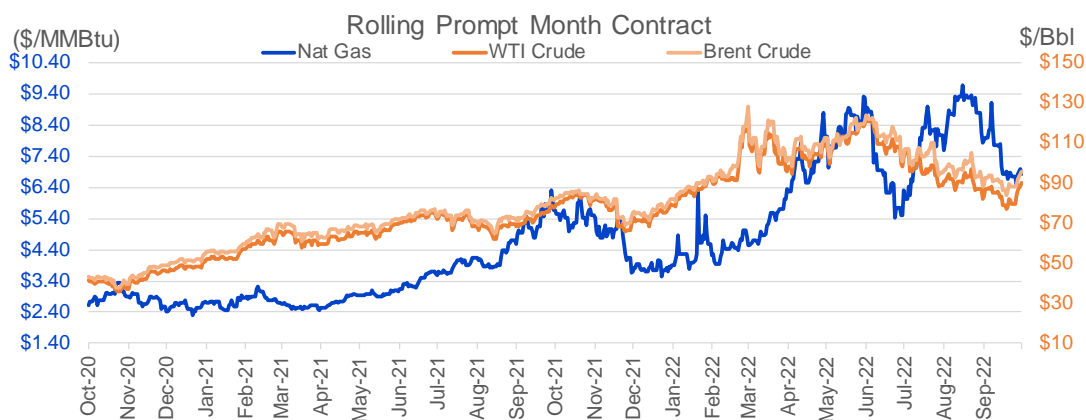
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
11	2022	C	10.00	8877	3	2023	C	10.00	26403
11	2022	P	5.50	6240	12	2022	P	4.00	25914
11	2022	P	5.25	5888	11	2022	P	6.00	25825
10	2023	P	3.00	3695	11	2022	P	4.00	24546
11	2022	C	8.00	3666	12	2022	P	6.00	24191
10	2023	C	6.00	3350	12	2022	P	5.00	23923
10	2023	C	6.50	3350	11	2022	C	10.00	23726
10	2023	P	2.00	3250	5	2023	P	2.00	22397
11	2022	C	7.25	2780	4	2023	P	3.00	20919
11	2022	C	9.00	2738	11	2022	P	5.00	20539
11	2022	P	5.00	2266	3	2023	P	4.00	19605
11	2022	P	6.00	2167	3	2023	C	20.00	19302
11	2022	P	6.25	2012	1	2023	C	10.00	19198
11	2022	C	11.00	1978	10	2023	P	3.00	18919
12	2022	C	8.00	1625	10	2023	P	2.50	18850
12	2022	C	15.00	1557	12	2022	C	5.00	18227
11	2022	P	6.50	1556	4	2023	P	3.50	18116
1	2023	C	15.00	1502	6	2023	P	3.00	17455
12	2022	C	7.50	1372	11	2022	C	8.00	17389
12	2022	C	12.00	1106	10	2023	P	4.00	17291
12	2022	C	10.00	1078	5	2023	P	3.00	17133
11	2022	C	7.50	914	2	2023	C	10.00	17102
3	2023	P	4.00	884	11	2022	C	12.00	17051
11	2022	C	7.00	852	3	2023	P	3.00	17006
11	2022	C	11.50	802	1	2023	P	4.00	16830
11	2022	C	12.00	786	5	2023	P	3.50	16715
4	2023	P	4.00	725	12	2022	C	10.00	16713
5	2023	P	4.00	725	12	2022	P	5.50	16250
6	2023	P	4.00	725	10	2023	P	2.00	16204
7	2023	P	4.00	725	12	2022	C	4.00	16195
8	2023	P	4.00	725	2	2023	C	9.00	15967
9	2023	P	4.00	725	3	2023	P	2.75	15950
10	2023	P	4.00	725	4	2023	P	4.00	15943
11	2022	C	7.85	701	8	2023	P	3.50	15897
1	2023	P	4.00	612	6	2023	P	3.50	15890
1	2023	C	20.00	605	10	2023	P	3.50	15884
1	2023	P	5.00	599	7	2023	P	3.50	15865
11	2022	C	8.50	594	9	2023	P	3.50	15855
4	2023	P	2.75	550	11	2022	C	4.00	15755
5	2023	P	2.75	550	9	2023	P	4.00	15591
6	2023	P	2.75	550	7	2023	P	3.00	15415
7	2023	P	2.75	550	1	2023	P	5.00	15400
8	2023	P	2.75	550	8	2023	P	3.00	15215
9	2023	P	2.75	550	9	2023	P	3.00	15215
9	2023	P	2.75	550	4	2023	P	2.00	15158
10	2023	P	2.75	550	11	2022	P	5.50	15136
5	2023	P	4.25	525	12	2022	P	7.00	15019
11	2022	P	7.00	523	7	2023	P	4.00	14984
12	2022	P	5.50	513	5	2023	P	4.00	14543
12	2022	P	6.00	513	8	2023	P	4	14406

Source: CME, ICE

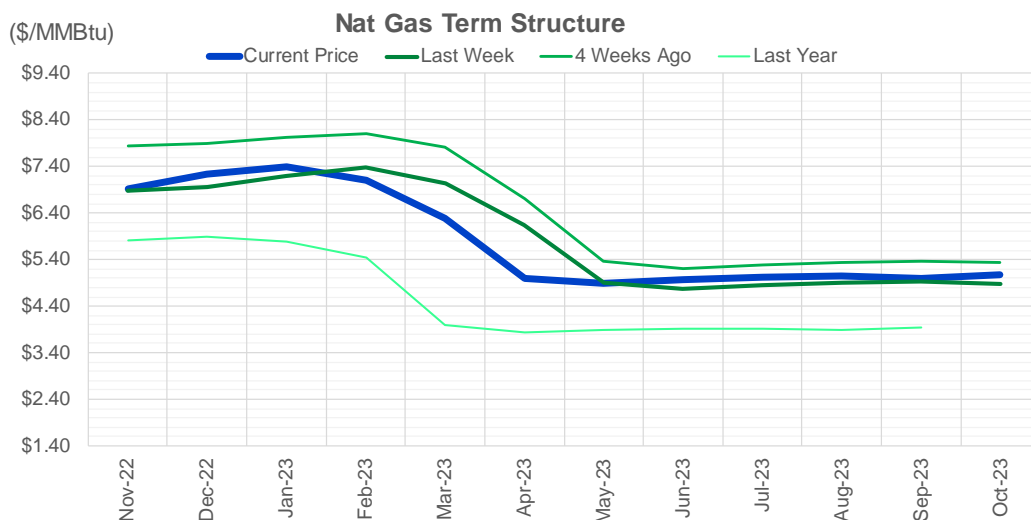
Nat Gas Futures Open Interest CME and ICE Combined

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	151654	158037	-6383	NOV 22	69442	70079	-636
DEC 22	70568	72777	-2209	DEC 22	74817	73946	871
JAN 23	96363	94309	2054	JAN 23	70893	70020	873
FEB 23	46094	46448	-354	FEB 23	65823	65687	136
MAR 23	76800	75969	831	MAR 23	56106	57102	-996
APR 23	77330	76553	777	APR 23	54764	55102	-338
MAY 23	82697	82504	193	MAY 23	55329	55318	11
JUN 23	24352	24483	-131	JUN 23	45957	45900	58
JUL 23	26157	25806	351	JUL 23	46255	46150	105
AUG 23	20748	20658	90	AUG 23	44877	44786	91
SEP 23	24477	23560	917	SEP 23	41744	41801	-57
OCT 23	56847	56599	248	OCT 23	54881	54884	-3
NOV 23	20449	20002	447	NOV 23	47703	47637	67
DEC 23	16930	16245	685	DEC 23	40909	40479	430
JAN 24	29562	28643	919	JAN 24	43813	43819	-6
FEB 24	9643	9589	54	FEB 24	30928	30865	63
MAR 24	19564	19383	181	MAR 24	36291	36249	42
APR 24	17272	16736	536	APR 24	30002	29807	195
MAY 24	8407	8417	-10	MAY 24	28430	28398	32
JUN 24	2949	2854	95	JUN 24	25796	25733	62
JUL 24	4004	3895	109	JUL 24	25342	25281	61
AUG 24	3799	3744	55	AUG 24	25079	25018	61
SEP 24	2372	2299	73	SEP 24	24771	24734	38
OCT 24	8842	8825	17	OCT 24	28857	28790	67
NOV 24	4978	4970	8	NOV 24	26083	26030	53
DEC 24	8217	8225	-8	DEC 24	29849	29826	23
JAN 25	17488	17482	6	JAN 25	23834	23807	27
FEB 25	1638	1636	2	FEB 25	15884	15876	8
MAR 25	5157	5277	-120	MAR 25	18059	18054	5
APR 25	5282	5162	120	APR 25	16349	16367	-18

Source: CME, ICE



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.

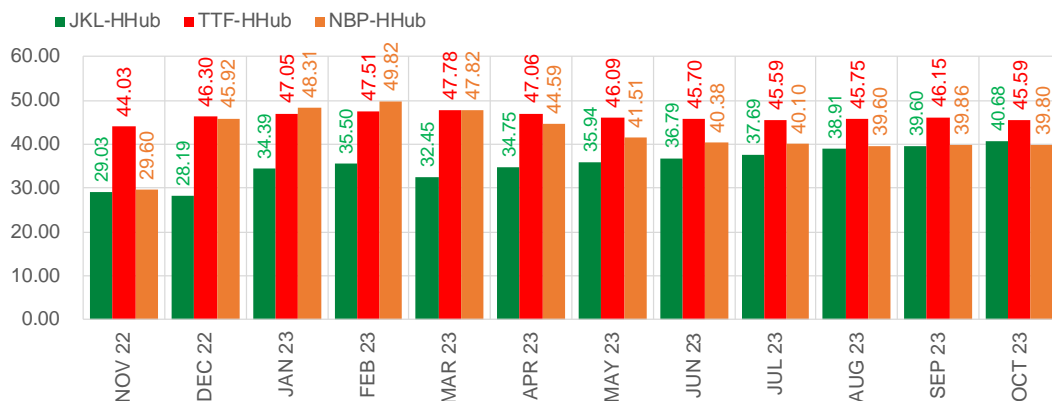
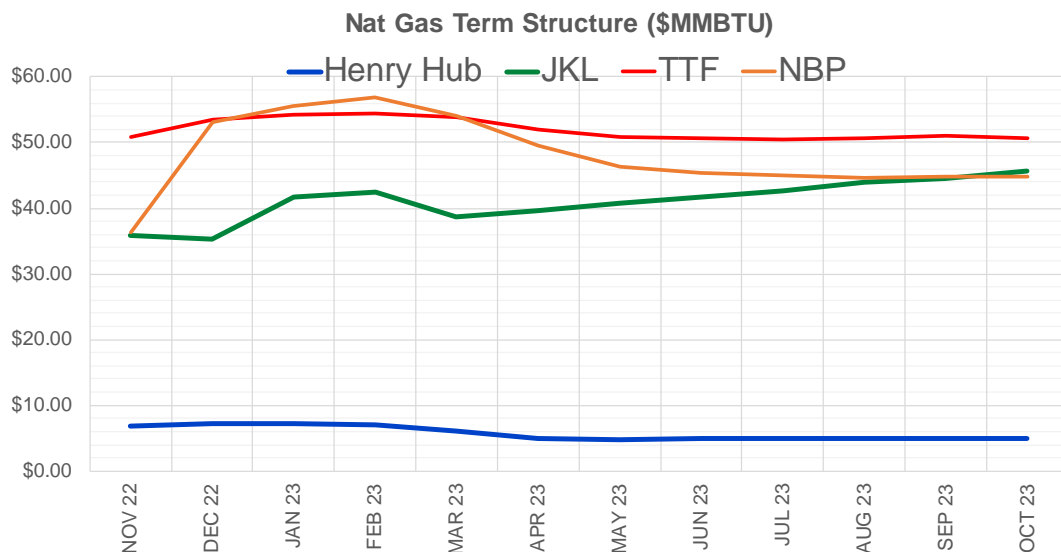


	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Current Price	\$6.930	\$7.236	\$7.385	\$7.110	\$6.290	\$5.006	\$4.886	\$4.960	\$5.033	\$5.041	\$5.007	\$5.079
Last Week	\$6.868	\$6.955	\$7.200	\$7.370	\$7.042	\$6.132	\$4.902	\$4.782	\$4.844	\$4.906	\$4.917	\$4.889
vs. Last Week	\$0.062	\$0.281	\$0.185	-\$0.260	-\$0.752	-\$1.126	-\$0.016	\$0.178	\$0.189	\$0.135	\$0.090	\$0.190
4 Weeks Ago	\$7.842	\$7.901	\$8.035	\$8.115	\$7.818	\$6.705	\$5.352	\$5.219	\$5.278	\$5.340	\$5.357	\$5.345
vs. 4 Weeks Ago	-\$0.912	-\$0.665	-\$0.650	-\$1.005	-\$1.528	-\$1.699	-\$0.466	-\$0.259	-\$0.245	-\$0.299	-\$0.350	-\$0.266
Last Year	\$5.675	\$5.803	\$5.888	\$5.787	\$5.437	\$3.997	\$3.841	\$3.877	\$3.919	\$3.922	\$3.901	\$3.931
vs. Last Year	\$1.255	\$1.433	\$1.497	\$1.323	\$0.853	\$1.009	\$1.045	\$1.083	\$1.114	\$1.119	\$1.106	\$1.148

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	6.15	10.83	4.68
TETCO M3	\$/MMBtu	5.98	6.18	0.20
FGT Zone 3	\$/MMBtu	5.92	7.48	1.56
Zone 6 NY	\$/MMBtu	5.92	6.51	0.59
Chicago Citygate	\$/MMBtu	6.37	6.34	-0.03
Michcon	\$/MMBtu	6.31	6.21	-0.11
Columbia TCO Pool	\$/MMBtu	6.05	5.88	-0.17
Ventura	\$/MMBtu	6.15	6.34	0.19
Rockies/Opal	\$/MMBtu	6.29	6.10	-0.19
El Paso Permian Basin	\$/MMBtu	4.05	4.46	0.41
Socal Citygate	\$/MMBtu	7.24	6.72	-0.52
Malin	\$/MMBtu	6.59	6.54	-0.05
Houston Ship Channel	\$/MMBtu	6.16	6.00	-0.16
Henry Hub Cash	\$/MMBtu	6.92	5.98	-0.94
AECO Cash	C\$/GJ	3.91	4.26	0.35
Station2 Cash	C\$/GJ	2.08	7.15	5.07
Dawn Cash	C\$/GJ	6.33	6.48	0.15

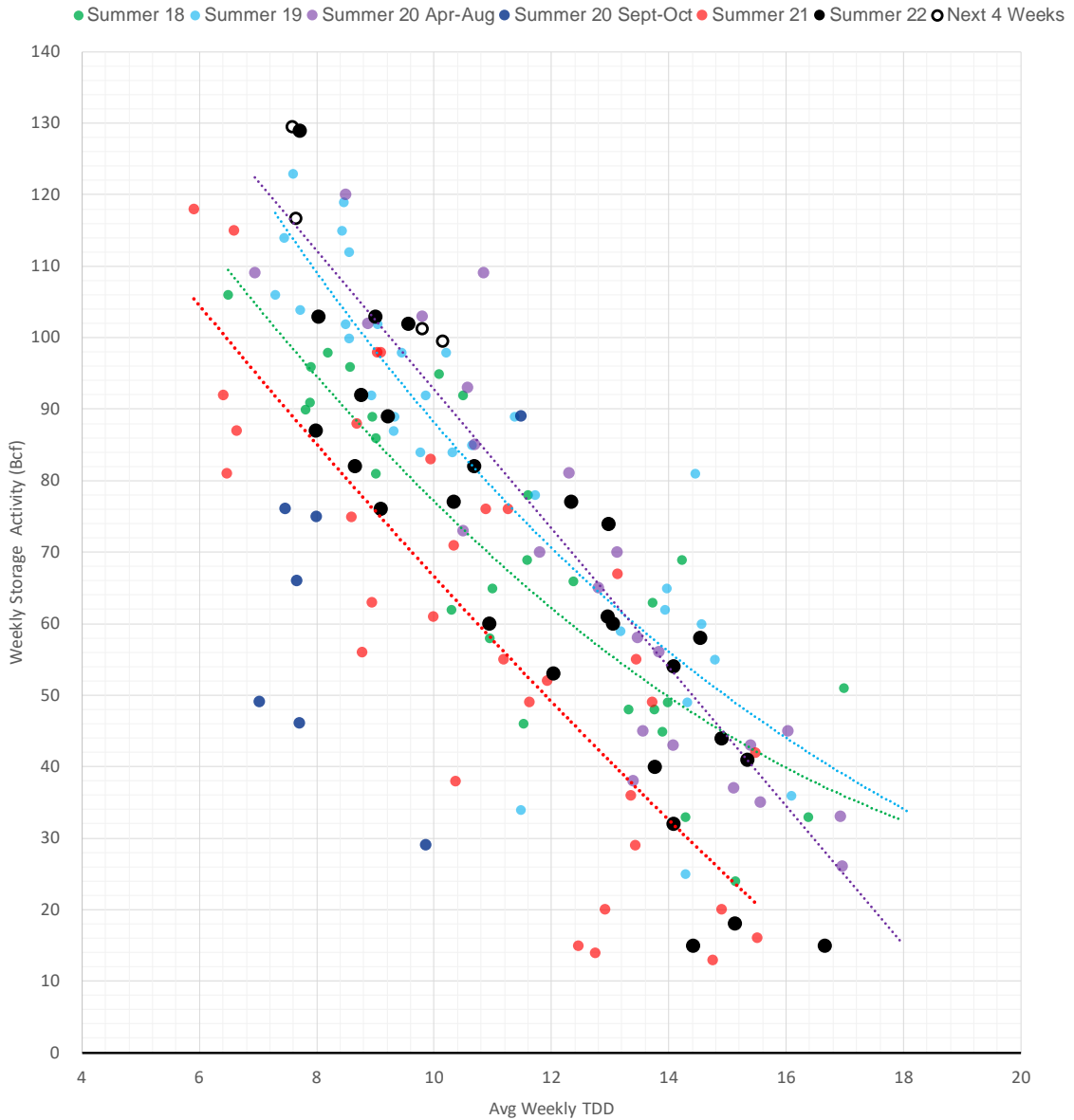
Source: CME, Bloomberg

	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	▲ 0.525
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -1.886
NatGas Apr22/Oct22	\$/MMBtu	1.532	▲ 0.000	▼ -1.047	▲ 1.593
WTI Crude	\$/Bbl	88.45	▲ 7.220	▲ 4.910	▲ 10.150
Brent Crude	\$/Bbl	94.42	▲ 5.930	▲ 5.270	▲ 12.470
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	386.49	▲ 45.030	▲ 32.480	▲ 140.530
Propane, Mt. Bel	cents/Gallon	0.92	▼ -0.075	▼ -0.127	▼ -0.551
Ethane, Mt. Bel	cents/Gallon	0.42	▼ -0.041	▼ -0.095	▼ -0.014
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			

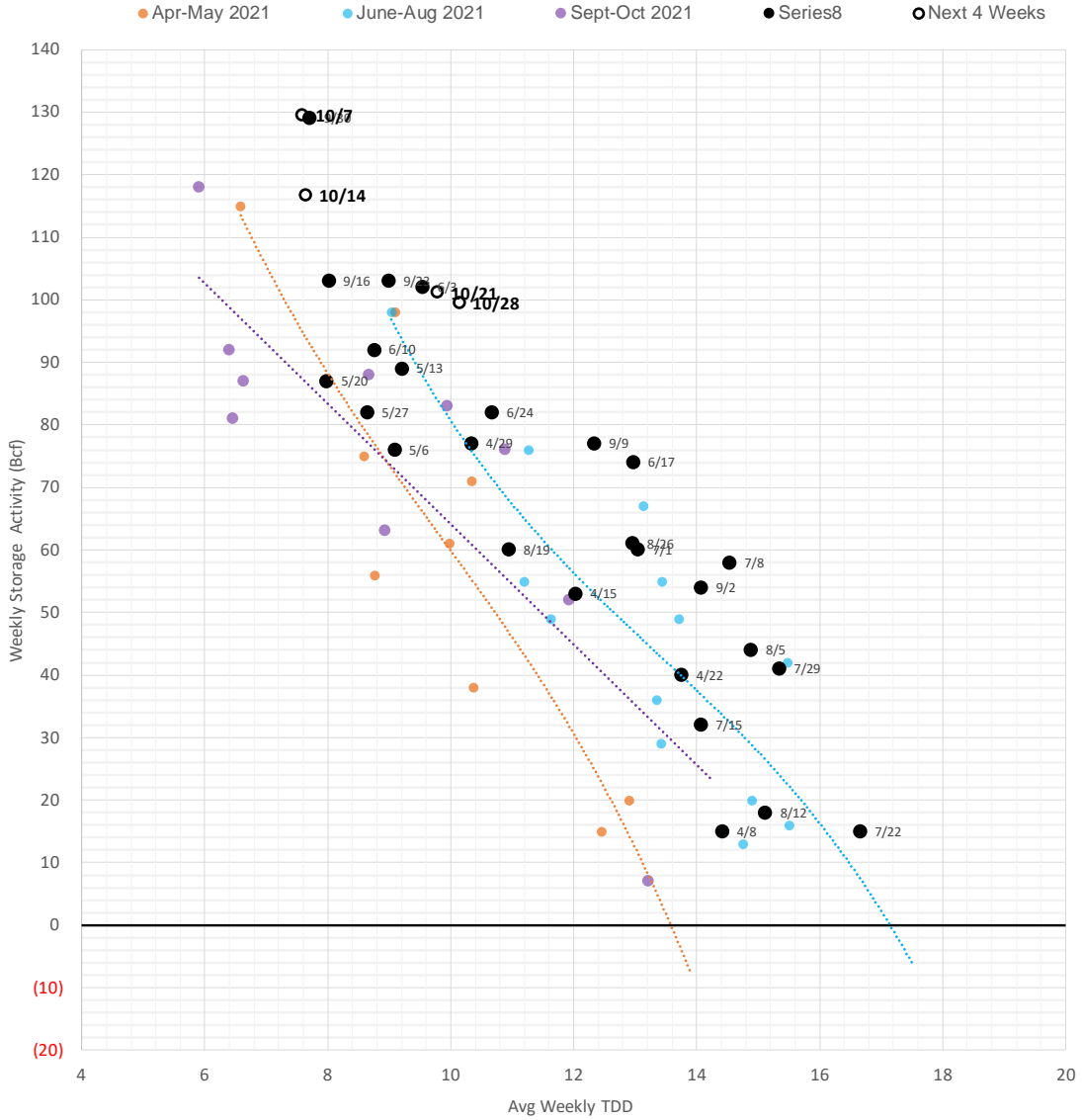


	NOV 22	DEC 22	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23	AUG 23	SEP 23	OCT 23
Henry Hub	\$6.821	\$7.116	\$7.260	\$6.992	\$6.162	\$4.951	\$4.832	\$4.919	\$4.956	\$4.971	\$4.944	\$5.001
JKL	\$35.855	\$35.310	\$41.645	\$42.490	\$38.610	\$39.700	\$40.770	\$41.710	\$42.650	\$43.885	\$44.545	\$45.685
JKL-HHHub	\$29.034	\$28.194	\$34.385	\$35.498	\$32.448	\$34.749	\$35.938	\$36.791	\$37.694	\$38.914	\$39.601	\$40.684
TTF	\$50.852	\$53.416	\$54.306	\$54.503	\$53.943	\$52.011	\$50.924	\$50.615	\$50.544	\$50.719	\$51.091	\$50.587
TTF-HHHub	\$44.031	\$46.300	\$47.046	\$47.511	\$47.781	\$47.060	\$46.092	\$45.696	\$45.588	\$45.748	\$46.147	\$45.586
NBP	\$36.420	\$53.037	\$55.565	\$56.810	\$53.984	\$49.539	\$46.337	\$45.295	\$45.055	\$44.574	\$44.799	\$44.796
NBP-HHHub	\$29.599	\$45.921	\$48.305	\$49.818	\$47.822	\$44.588	\$41.505	\$40.376	\$40.099	\$39.603	\$39.855	\$39.795

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.

