

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 7.18 ▲	\$ 0.09 ▲	\$ (0.48) ▼

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 80.77 ▼	\$ (2.72) ▼	\$ (3.8) ▼

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 87.83 ▼	\$ (2.63) ▼	\$ (3.2) ▼

Page Menu

[Short-term Weather Model Outlooks](#)

[Lower 48 Component Models](#)

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

[Weather Model Storage Projection](#)

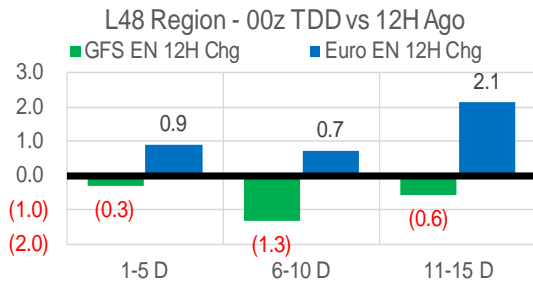
[Supply – Demand Trends](#)

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

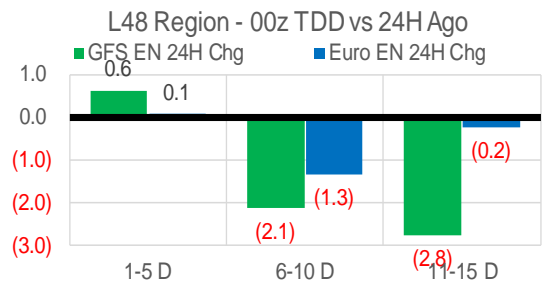
[Nat Gas Futures Open Interest](#)

[Price Summary](#)

Vs. 12H Ago



Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	99.1 ▼	-1.08 ▼	-1.02 ▼

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	34.1 ▼	-1.96 ▼	-2.92 ▼

	Current	Δ from YD	Δ from 7D Avg
US ResComm	11.7 ▲	0.72 ▲	3.17 ▲

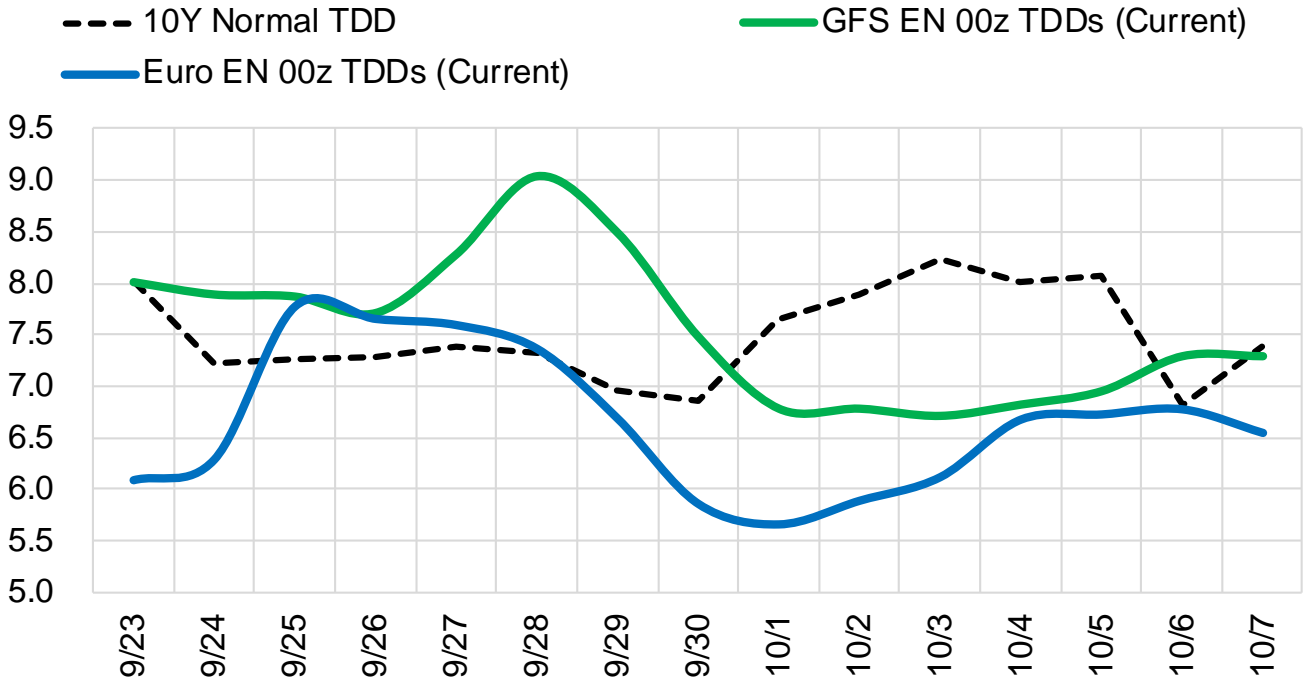
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	6.3 ▲	0.04 ▲	0.21 ▲

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	11.3 ▼	-0.02 ▼	-0.23 ▼

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.5 ▼	-0.34 ▼	0.16 ▲

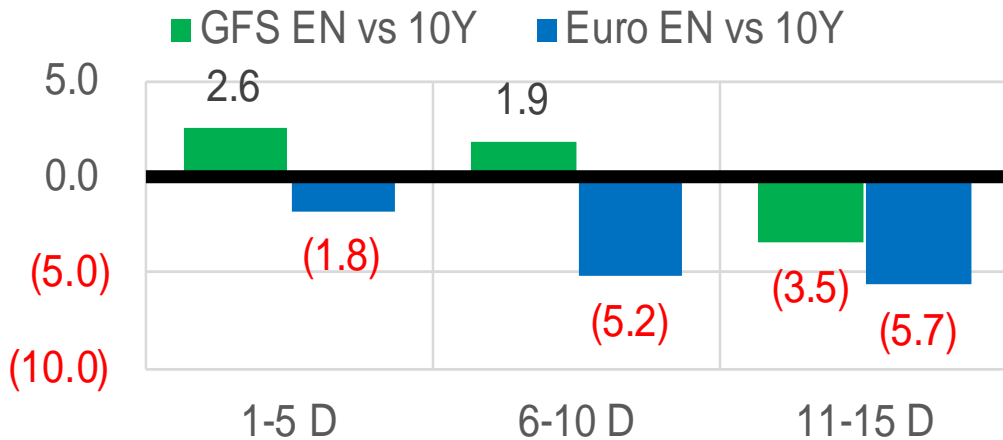
Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI , Bloomberg

Lower 48 Component Models

Daily Balances

	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	22-Sep	23-Sep	DoD	vs. 7D
Lower 48 Dry Production	100.1	100.3	100.9	99.5	99.7	100.2	99.1	▼ -1.1	▼ -1.0
Canadian Imports	5.9	6.2	6.1	6.2	6.1	6.2	6.3	▲ 0.0	▲ 0.2
L48 Power	33.8	35.8	39.2	39.8	39.0	36.0	34.1	▼ -2.0	▼ -3.2
L48 Residential & Commercial	7.9	7.7	8.0	8.1	8.5	11.0	11.7	▲ 0.7	▲ 3.1
L48 Industrial	21.1	21.4	21.7	22.0	22.3	22.9	23.0	▲ 0.1	▲ 1.1
L48 Lease and Plant Fuel	5.4	5.4	5.5	5.4	5.4	5.4	5.4	▼ -0.1	▼ -0.1
L48 Pipeline Distribution	2.3	2.4	2.6	2.7	2.6	2.6	2.5	▼ -0.1	▼ 0.0
L48 Regional Gas Consumption	70.6	72.8	77.0	78.0	77.8	77.9	76.6	▼ -1.3	▲ 0.9
Net LNG Delivered	11.44	11.54	11.48	11.61	11.63	11.34	11.32	▼ 0.0	▼ -0.2
Total Mexican Exports	5.5	6.3	6.2	6.5	7.0	6.8	6.5	▼ -0.3	▲ 0.1
Implied Daily Storage Activity	18.5	15.9	12.2	9.6	9.4	10.4	11.0		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	LY 24-Sep	26-Aug	2-Sep	9-Sep	LW 16-Sep	Current 23-Sep	WoW	vs. LY
Lower 48 Dry Production	94.2	98.6	99.8	100.4	100.4	100.1	▼ -0.3	▲ 5.9
Canadian Imports	5.2	5.4	5.7	5.8	5.5	6.1	▲ 0.6	▲ 0.9
L48 Power	33.4	41.2	42.6	41.0	37.9	37.0	▼ -0.9	3.6
L48 Residential & Commercial	9.4	8.2	8.2	7.9	8.2	8.5	▲ 0.3	-0.9
L48 Industrial	20.3	21.0	21.9	21.2	20.4	21.8	▲ 1.3	1.4
L48 Lease and Plant Fuel	5.1	5.4	5.4	5.4	5.4	5.4	▼ 0.0	0.3
L48 Pipeline Distribution	2.4	2.6	2.7	2.7	2.6	2.5	▼ 0.0	0.2
L48 Regional Gas Consumption	70.5	78.5	80.8	78.2	74.6	75.2	▲ 0.6	▲ 4.7
Net LNG Exports	9.9	11.1	10.9	11.3	11.3	11.6	▲ 0.3	▲ 1.6
Total Mexican Exports	6.8	6.9	6.9	6.6	6.7	6.3	▼ -0.4	▼ -0.5
Implied Daily Storage Activity	12.1	7.6	7.0	10.2	13.3	13.1	-0.2	1.0
EIA Reported Daily Storage Activity	12.6	8.7	7.7	11.0	14.7			
Daily Model Error	-0.5	-1.1	-0.7	-0.8	-1.4			

Monthly Balances

	2Yr Ago Sep-20	LY Sep-21	May-22	Jun-22	Jul-22	Aug-22	MTD Sep-22	MoM	vs. LY
Lower 48 Dry Production	88.9	93.6	95.8	96.5	97.1	98.6	100.3	▲ 1.7	▲ 6.7
Canadian Imports	3.8	5.1	5.1	5.7	5.9	5.4	5.8	▲ 0.4	▲ 0.7
L48 Power	34.4	33.1	29.8	38.0	43.7	42.6	38.8	▼ -3.8	▲ 5.7
L48 Residential & Commercial	8.9	8.7	12.4	9.1	9.0	8.3	8.2	▼ -0.1	▼ -0.5
L48 Industrial	19.9	20.2	19.7	18.7	19.5	21.3	21.1	▼ -0.1	▲ 0.9
L48 Lease and Plant Fuel	4.8	5.1	5.3	5.3	5.3	5.4	5.4	▲ 0.1	▲ 0.4
L48 Pipeline Distribution	2.4	2.3	2.4	2.5	2.8	2.7	2.6	▼ -0.1	▲ 0.3
L48 Regional Gas Consumption	70.4	69.5	69.5	73.7	80.2	80.3	76.2	▼ -4.1	▲ 6.7
Net LNG Exports	5.9	10.3	12.5	11.2	10.9	11.0	11.3	▲ 0.4	▲ 1.0
Total Mexican Exports	6.1	6.7	7.0	7.1	7.0	6.9	6.5	▼ -0.4	▼ -0.2
Implied Daily Storage Activity	10.3	12.1	11.9	10.2	4.9	5.8	12.0		
EIA Reported Daily Storage Activity									
Daily Model Error					0.2				

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	DoD	vs. 7D
NRC Nuclear Daily Output	86.4	86.9	86.4	86.1	86.5	87.0	87.1	0.1	0.5
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	18.5	18.0	18.5	18.7	18.3	17.9	17.8	-0.1	-0.5
NRC % Nuclear Cap Utilization	87.9	88.4	87.8	87.6	88.0	88.5	88.6	0.1	0.6

Wind Generation Daily Average - MWh (EIA)

	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	DoD	vs. 7D
CALI Wind	2883	2474	3033	2068	1239	1192	2218	1026	70
TEXAS Wind	12794	14525	16597	13917	10744	10293	8907	-1386	-4238
US Wind	52821	48839	55278	46302	42932	48455	50945	2490	1840

Generation Daily Average - MWh (EIA)

	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	DoD	vs. 7D
US Wind	52821	48839	55278	46302	42932	48455	50945	2490	1840
US Solar	17256	17709	16714	16225	16213	16191	16166	-25	-552
US Petroleum	943	963	965	988	1137	1059	979	-80	-30
US Other	9800	10583	10268	10331	10946	10582	10801	219	383
US Coal	86422	88829	82040	87278	94896	99454	98225	-1229	8405
US Nuke	89429	89636	89013	88591	89348	89352	89445	93	217
US Hydro	24094	24107	22212	22423	24903	24562	24357	-205	640
US Gas	179409	180975	169311	182023	215964	215515	211435	-4081	20902

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Storage Week Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)

	24-Sep	26-Aug	2-Sep	9-Sep	16-Sep	23-Sep	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	85.9	90.3	89.6	87.5	86.0	86.7	0.8	-0.1
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	19.0	14.5	15.2	17.4	18.9	18.1	-0.8	
NRC % Nuclear Cap Utilization	87.3	91.9	91.2	88.9	87.4	88.2	0.8	

Wind Generation Weekly Average - MWh (EIA)

	24-Sep	26-Aug	2-Sep	9-Sep	16-Sep	23-Sep	WoW	WoW Bcf/d Impact
CALI Wind	1936	2324	1825	1285	2033	2063	30	0.0
TEXAS Wind	9780	5879	6839	4092	8875	11984	3110	-0.6
US Wind	43289	23582	36122	27253	37393	49099	11707	-2.1
							31%	
						0.4		

Generation Weekly Average - MWh (EIA)

	24-Sep	26-Aug	2-Sep	9-Sep	16-Sep	23-Sep	YoY	WoW Bcf/d Impact
					LY	Current		
US Wind	43289	23582	36122	27253	37393	49099	11707	-2.1
US Solar	12204	15905	17073	16144	14785	16484	1699	-0.3
US Petroleum	415	1047	1075	1105	1029	1010	-19	0.0
US Other	9130	10332	10580	9947	9906	10616	710	-0.1
US Coal	108923	114538	113005	105982	91205	92707	1502	-0.3
US Nuke	88789	92872	92018	89638	88711	89261	551	-0.1
US Hydro	25369	30663	27850	27940	25849	23846	-2003	0.4
US Gas	177557	227218	232735	227615	201052	198094	-2958	-0.5

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	Jun-22	Jul-22	Aug-22	Sep-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	NRC Nuclear Daily Output	89.8	88.5	88.6	90.6	90.5	86.8	87.6	-3.7
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	15.1	16.4	16.3	14.3	14.3	18.0	17.3	3.7	1.0
NRC % Nuclear Cap Utilization	91.3	90.0	90.1	92.1	92.1	88.3	89.0	-3.8	-1.0

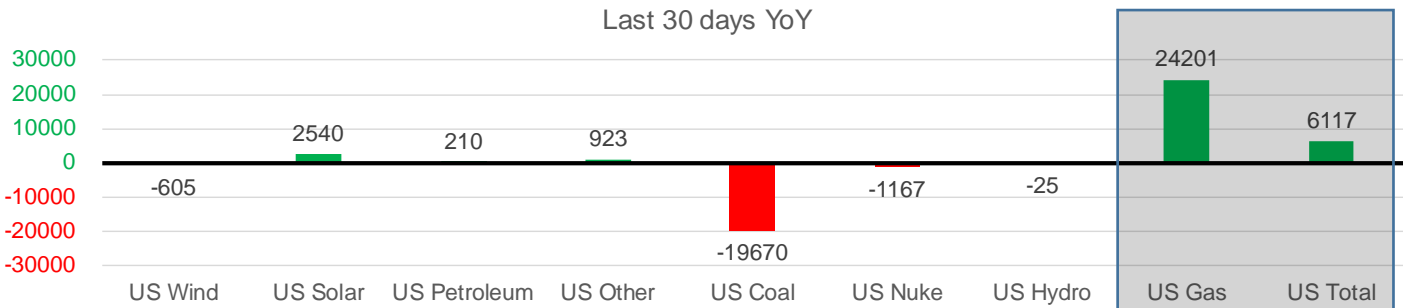
Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Jun-22	Jul-22	Aug-22	Sep-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	CALI Wind	1473	1911	2892	2719	2028	1801	1819	-227
TEXAS Wind	6620	8542	13378	11765	8440	8127	7789	-313	-753
US Wind	30282	37834	46918	39701	33222	37923	37229	4701	-605

Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Jun-22	Jul-22	Aug-22	Sep-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	US Wind	30282	37834	46918	39701	33222	37923	37229	▼-694.3
US Solar	9549	13566	19376	18598	16998	15816	16105	▲289.4	▲2540
US Petroleum	965	844	1001	1252	1253	1032	1053	▲21	▲210
US Other	8661	9370	8608	10129	10425	10173	10293	▲120	▲923
US Coal	106346	120949	105517	119788	117200	97493	101279	▲3786	▼-19670
US Nuke	92592	91178	89949	92883	92969	89308	90010	▲703	▼-1167
US Hydro	27278	26529	37531	34227	30121	25913	26504	▲590	▼-25
US Gas	190456	191520	200872	235766	233735	210413	215721	▲4815	▲24201
US Total	464146	491847	509350	551822	535672	487822	497963	▲10325	▲6117

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Regional S/D Models Storage Projection

Week Ending 23-Sep

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	14.3	0.1	14.4	101
East	2.5	2.0	4.5	32
Midwest	4.4	-0.1	4.3	30
Mountain	5.1	-4.2	0.9	7
South Central	0.9	3.0	3.9	27
Pacific	1.4	-0.7	0.7	5

*Adjustment Factor is calculated based on historical regional deltas

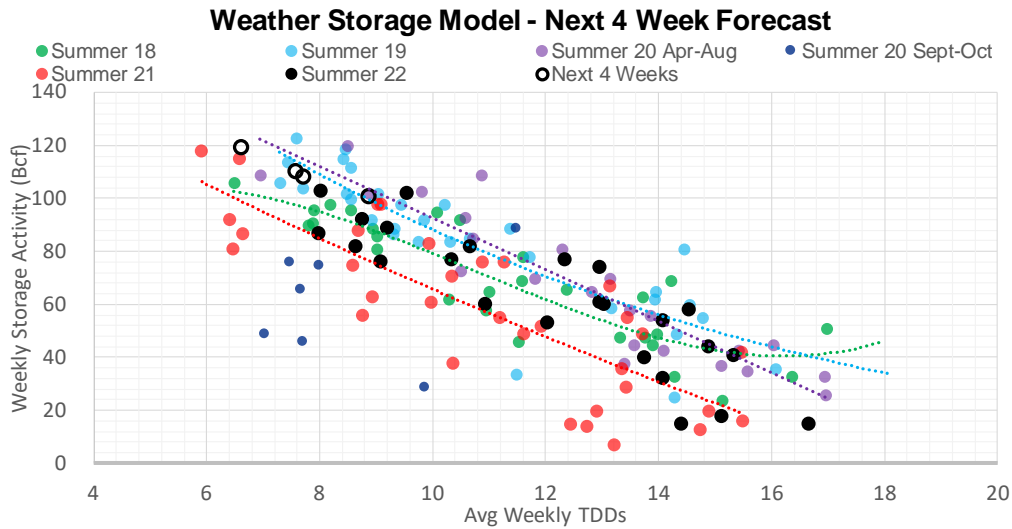
U.S. underground natural gas storage facilities by type (July 2015)



Weather Model Storage Projection

Next report
and beyond

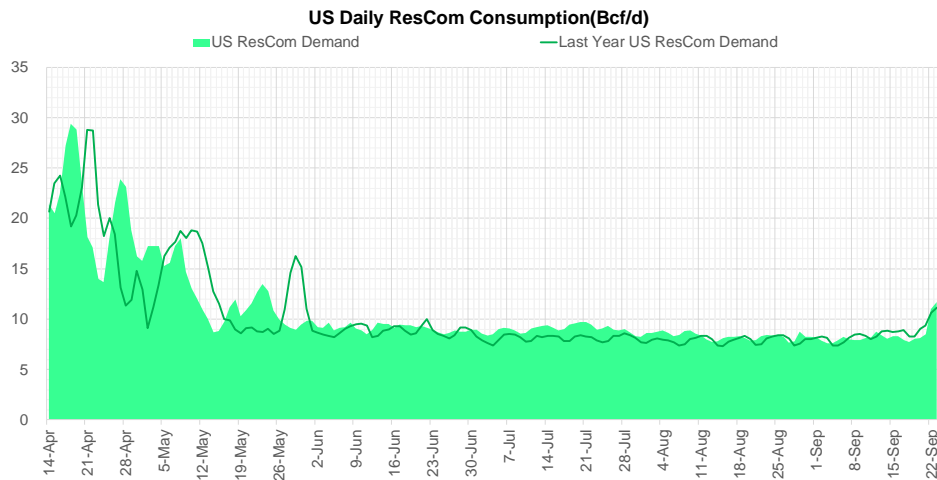
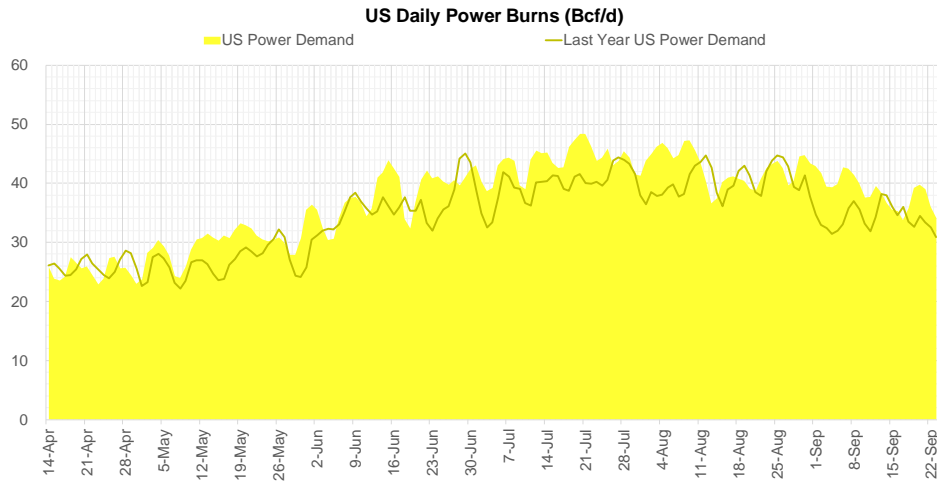
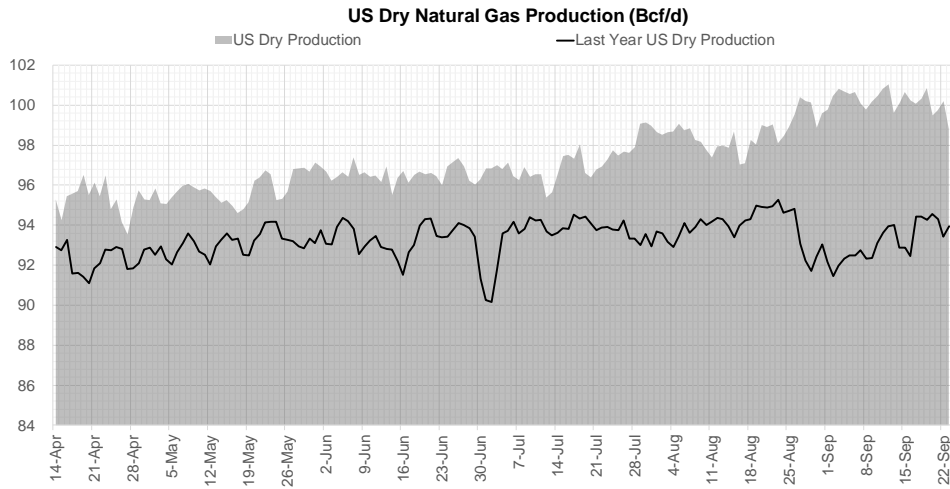
Week Ending	GWDDs	Week Storage Projection
23-Sep	8.9	101
30-Sep	7.6	110
07-Oct	6.6	119
14-Oct	7.7	108



Go to larger image



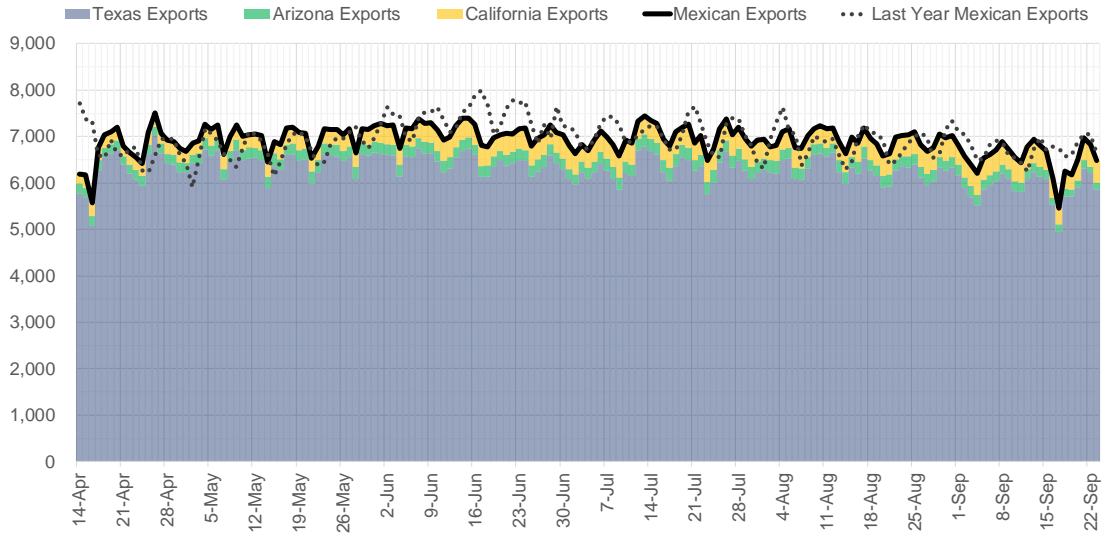
Supply – Demand Trends



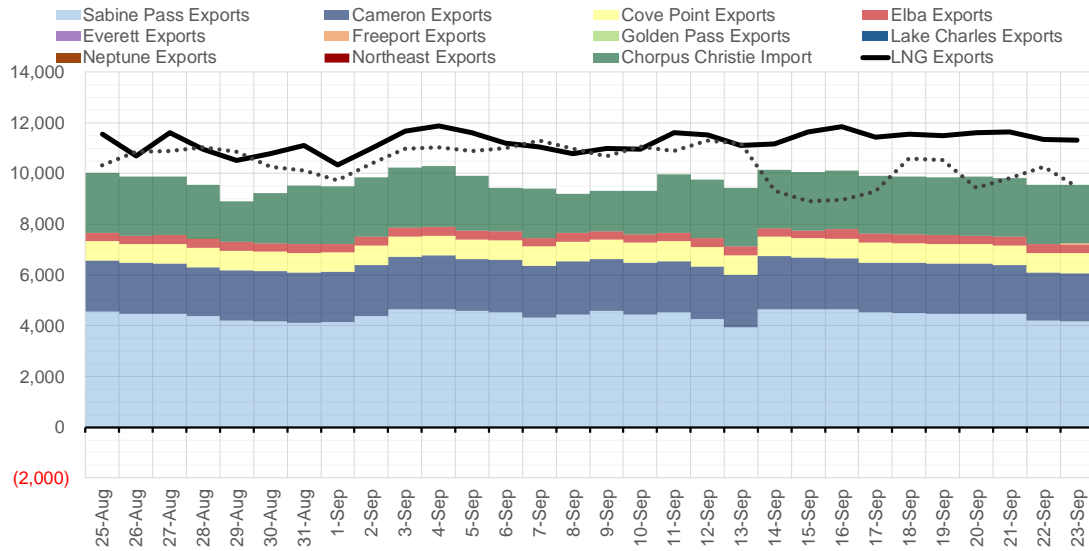
Source: Bloomberg

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

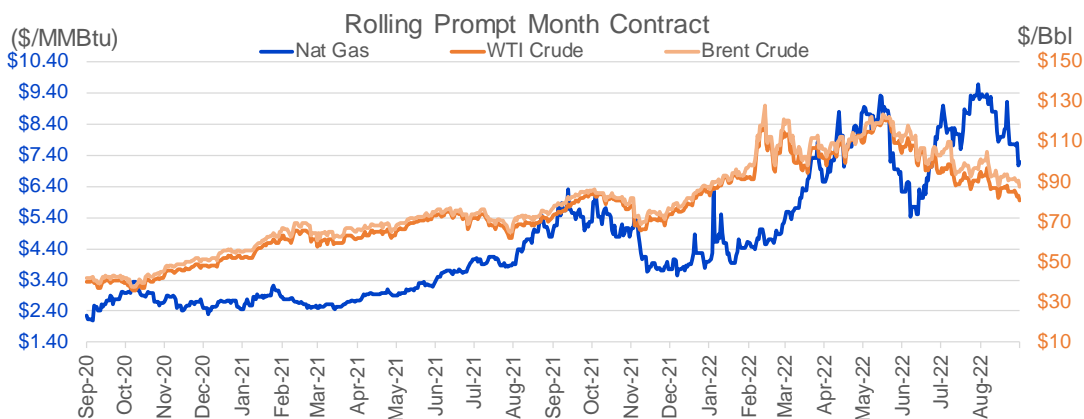
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
10	2022	P	7.00	5068	10	2022	P	3.00	36677
10	2022	P	6.50	4944	10	2022	C	6.00	36013
10	2022	C	8.00	3691	10	2022	P	6.00	35575
10	2022	P	6.00	3033	10	2022	P	5.00	30833
10	2022	P	6.75	2942	10	2022	P	2.50	28006
12	2022	P	7.00	2635	10	2022	C	10.00	25621
10	2022	P	7.50	2241	3	2023	C	10.00	23755
3	2023	P	4.00	2230	10	2022	C	5.00	23569
12	2022	P	6.00	2122	10	2022	C	12.00	22936
11	2022	P	5.25	2003	12	2022	P	5.00	22578
11	2022	P	5.00	1997	11	2022	P	4.00	22475
11	2022	C	10.00	1927	10	2022	P	3.50	22296
12	2022	P	5.00	1811	5	2023	P	2.00	22227
10	2022	C	9.00	1777	10	2022	P	4.00	21627
11	2022	P	7.00	1748	4	2023	P	3.00	21536
11	2022	P	4.50	1724	10	2022	P	7.00	20791
1	2023	P	4.00	1720	10	2022	P	8.00	20369
11	2022	P	6.50	1663	10	2023	P	3.00	20168
10	2022	P	7.25	1494	4	2023	P	3.50	19571
1	2023	P	6.00	1435	10	2022	C	8.00	19162
10	2022	C	9.25	1313	3	2023	C	20.00	19015
2	2023	P	4.00	1220	10	2022	C	9.00	18797
10	2022	C	7.50	1214	12	2022	C	5.00	18222
11	2022	P	6.00	1213	12	2022	P	6.00	18111
10	2022	P	6.25	1097	5	2023	P	3.50	17970
12	2022	P	6.50	1090	11	2022	P	5.00	17902
11	2022	C	8.00	1078	6	2023	P	3.00	17870
4	2023	C	7.00	1075	10	2023	P	2.50	17850
11	2022	P	5.75	1072	5	2023	P	3.00	17848
12	2022	P	4.50	1052	3	2023	P	3.00	17759
10	2022	P	5.50	1030	1	2023	C	10.00	17666
9	2023	C	7.00	1030	3	2023	P	4.00	17475
5	2023	C	7.00	1025	7	2023	P	3.50	17470
6	2023	C	7.00	1025	8	2023	P	3.50	17470
7	2023	C	7.00	1025	9	2023	P	3.50	17460
8	2023	C	7.00	1025	6	2023	P	3.50	17445
10	2023	C	7.00	1025	10	2023	P	3.50	17435
11	2022	C	18.00	1006	10	2022	P	2.00	16759
10	2022	C	10.50	1004	10	2022	P	5.50	16627
12	2022	C	10.00	926	12	2022	P	4.00	16612
1	2023	P	5.00	768	7	2023	P	3.00	16450
10	2022	C	8.75	758	8	2023	P	3.00	16250
3	2023	P	4.50	750	9	2023	P	3.00	16250
11	2023	C	7.00	750	12	2022	C	4.00	16194
12	2023	C	7.00	750	10	2023	P	4.00	16011
11	2022	C	9.50	720	11	2022	C	12.00	15968
3	2023	P	5.00	710	11	2022	C	4.00	15755
1	2023	C	15.00	705	2	2023	C	10.00	15700
3	2023	C	10.00	695	1	2023	P	4.00	15574
					1	2023	P	5	15570

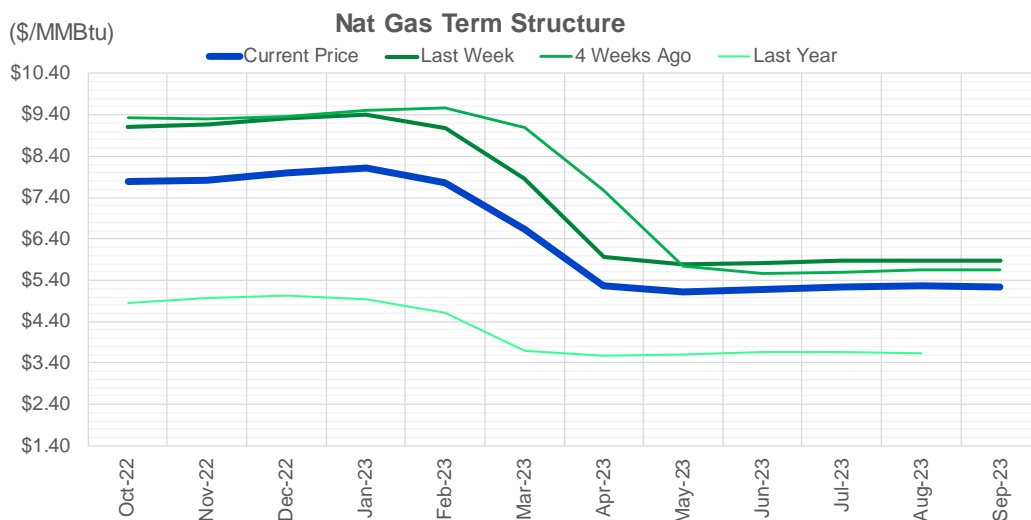
Source: CME, ICE

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
OCT 22	21762	36551	-14789	OCT 22	72885	72955	-70
NOV 22	158271	159475	-1204	NOV 22	73155	71209	1946
DEC 22	65938	65905	33	DEC 22	69214	68517	697
JAN 23	87560	85847	1713	JAN 23	64946	65477	-532
FEB 23	40010	39410	600	FEB 23	65840	66337	-497
MAR 23	72594	71741	853	MAR 23	56287	56511	-224
APR 23	76461	76209	252	APR 23	52503	52556	-53
MAY 23	79574	78985	589	MAY 23	52670	53097	-427
JUN 23	23331	23432	-101	JUN 23	44963	45093	-129
JUL 23	24009	23748	261	JUL 23	44126	44042	84
AUG 23	19761	19684	77	AUG 23	42831	43108	-278
SEP 23	21895	22201	-306	SEP 23	42683	42615	69
OCT 23	54868	54568	300	OCT 23	52406	52164	242
NOV 23	18158	17318	840	NOV 23	46865	47181	-316
DEC 23	14700	14438	262	DEC 23	40546	40769	-223
JAN 24	25116	24972	144	JAN 24	42577	42009	568
FEB 24	9135	9248	-113	FEB 24	30853	30769	84
MAR 24	18752	18700	52	MAR 24	36635	36523	112
APR 24	14847	14890	-43	APR 24	29346	29276	70
MAY 24	7518	7657	-139	MAY 24	27971	27899	72
JUN 24	2849	2926	-77	JUN 24	25280	25210	70
JUL 24	3595	3512	83	JUL 24	24869	24799	70
AUG 24	3574	3418	156	AUG 24	24560	24490	70
SEP 24	2290	2236	54	SEP 24	24286	24216	70
OCT 24	8839	8734	105	OCT 24	28265	28088	177
NOV 24	4904	4882	22	NOV 24	25446	25360	86
DEC 24	8200	8200	0	DEC 24	28797	28739	58
JAN 25	17320	17251	69	JAN 25	23155	23106	49
FEB 25	1580	1579	1	FEB 25	15665	15601	65
MAR 25	5188	5218	-30	MAR 25	17949	17835	114

Source: CME, ICE



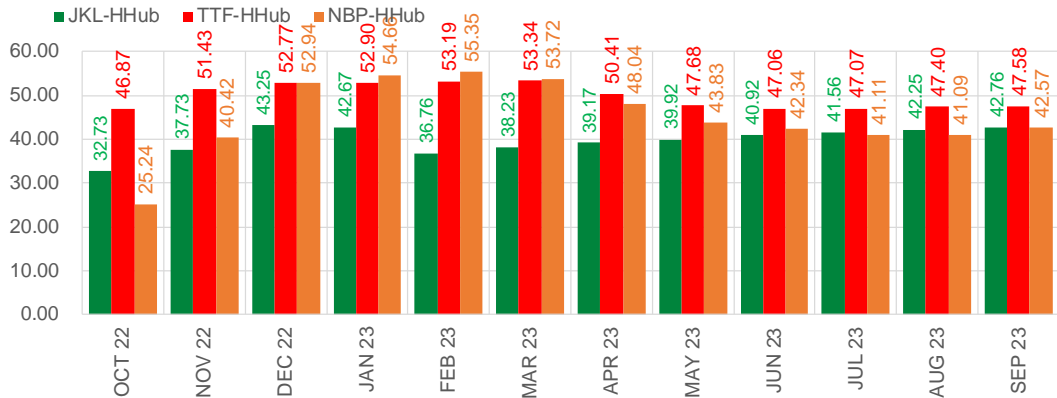
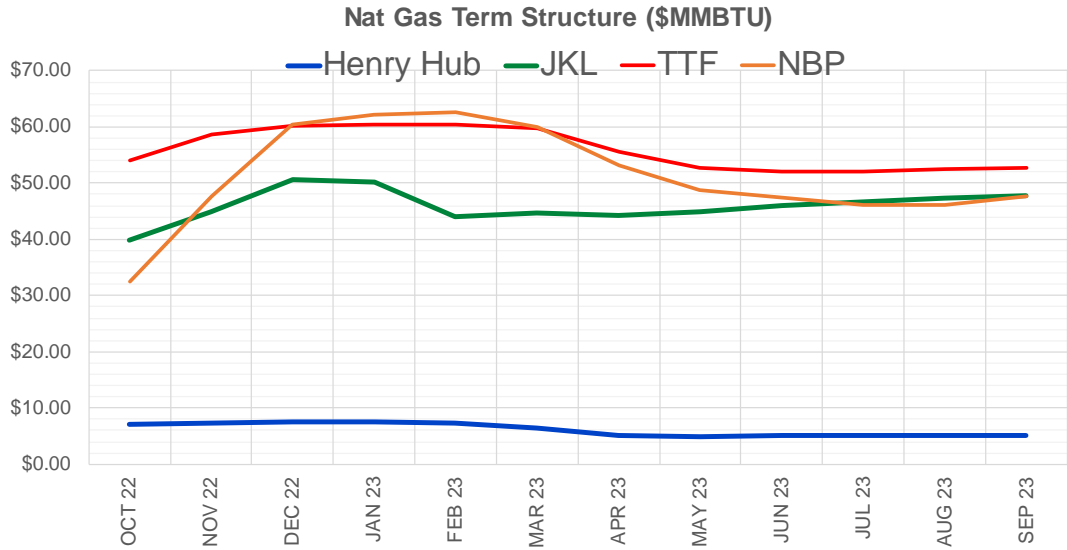


	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Current Price	\$7.779	\$7.827	\$7.990	\$8.109	\$7.753	\$6.631	\$5.257	\$5.124	\$5.183	\$5.243	\$5.254	\$5.229
Last Week	\$9.114	\$9.167	\$9.310	\$9.407	\$9.073	\$7.850	\$5.954	\$5.779	\$5.823	\$5.872	\$5.882	\$5.861
vs. Last Week	-\$1.335	-\$1.340	-\$1.320	-\$1.298	-\$1.320	-\$1.219	-\$0.697	-\$0.655	-\$0.640	-\$0.629	-\$0.628	-\$0.632
4 Weeks Ago	\$9.330	\$9.300	\$9.369	\$9.504	\$9.570	\$9.079	\$7.578	\$5.740	\$5.551	\$5.596	\$5.642	\$5.653
vs. 4 Weeks Ago	-\$1.551	-\$1.473	-\$1.379	-\$1.395	-\$1.817	-\$2.448	-\$2.321	-\$0.616	-\$0.368	-\$0.353	-\$0.388	-\$0.424
Last Year	\$4.805	\$4.855	\$4.969	\$5.042	\$4.952	\$4.628	\$3.696	\$3.578	\$3.612	\$3.657	\$3.663	\$3.643
vs. Last Year	\$2.974	\$2.972	\$3.021	\$3.067	\$2.801	\$2.003	\$1.561	\$1.546	\$1.571	\$1.586	\$1.591	\$1.586

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	6.35	7.69	1.34
TETCO M3	\$/MMBtu	5.56	7.02	1.46
FGT Zone 3	\$/MMBtu	6.32	9.03	2.71
Zone 6 NY	\$/MMBtu	6.32	7.05	0.73
Chicago Citygate	\$/MMBtu	6.34	7.71	1.37
Michcon	\$/MMBtu	6.54	7.65	1.11
Columbia TCO Pool	\$/MMBtu	6.11	7.06	0.95
Ventura	\$/MMBtu	5.95	7.71	1.76
Rockies/Opal	\$/MMBtu	6.48	7.44	0.96
El Paso Permian Basin	\$/MMBtu	4.58	5.96	1.38
Socal Citygate	\$/MMBtu	6.90	7.97	1.07
Malin	\$/MMBtu	6.76	7.66	0.90
Houston Ship Channel	\$/MMBtu	6.89	7.60	0.71
Henry Hub Cash	\$/MMBtu	7.76	7.51	-0.25
AECO Cash	C\$/GJ	4.25	3.51	-0.74
Station2 Cash	C\$/GJ	2.81	7.61	4.80
Dawn Cash	C\$/GJ	6.14	7.60	1.46

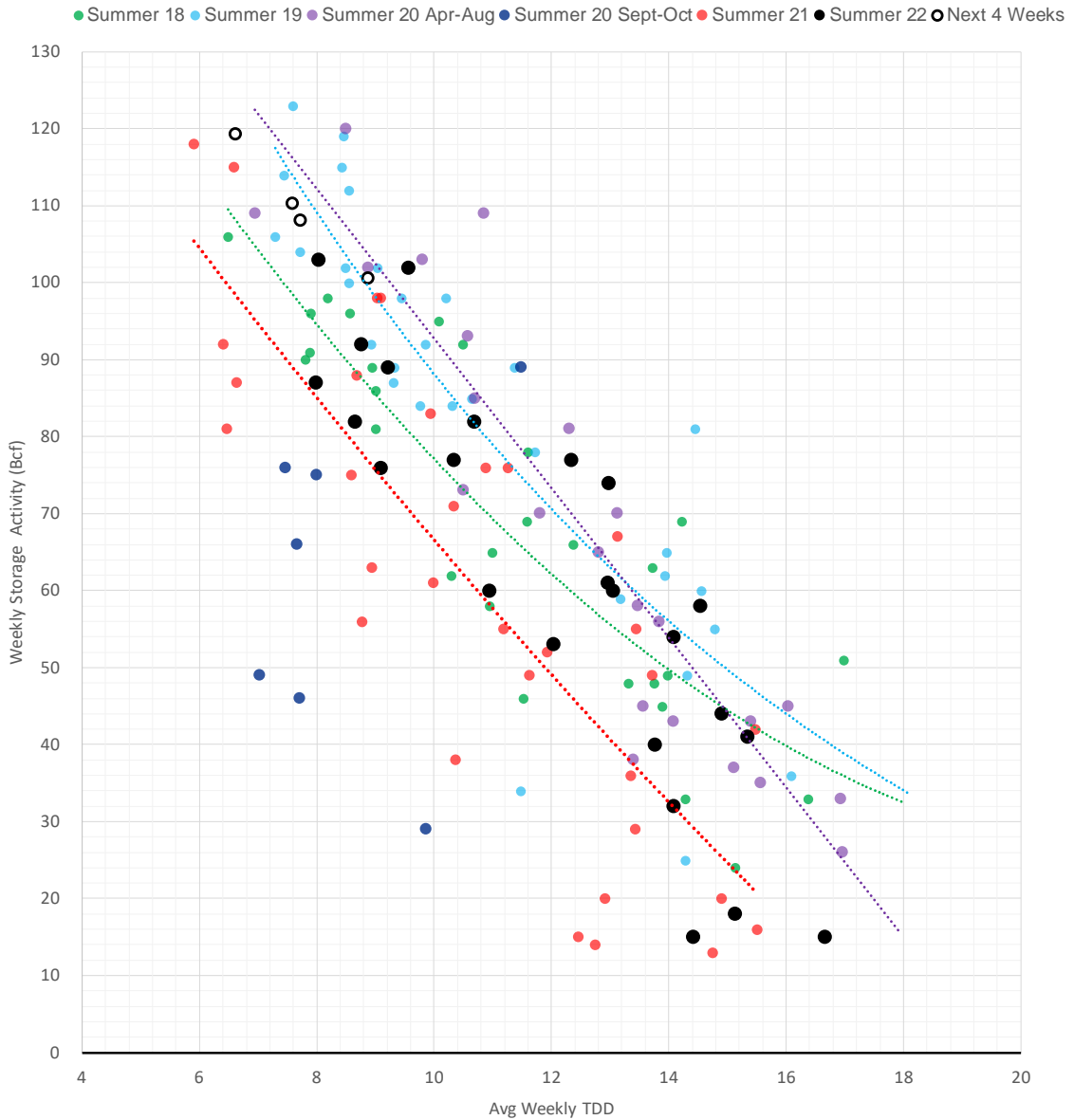
Source: CME, Bloomberg

	Units	Current Price	vs. Last Week	vs. 4 Weeks Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 0.865
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.294
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -2.073
NatGas Apr22/Oct22	\$/MMBtu	1.753	▼ -1.235	▼ -2.255	▲ 1.795
WTI Crude	\$/Bbl	83.49	▼ -1.610	▼ -9.030	▲ 10.190
Brent Crude	\$/Bbl	90.46	▼ -0.380	▼ -8.880	▲ 13.210
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	341.15	▲ 20.630	▼ -53.760	▲ 116.240
Propane, Mt. Bel	cents/Gallon	1.01	▼ -0.036	▼ -0.081	▼ -0.267
Ethane, Mt. Bel	cents/Gallon	0.47	▼ -0.032	▼ -0.132	▲ 0.092
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			

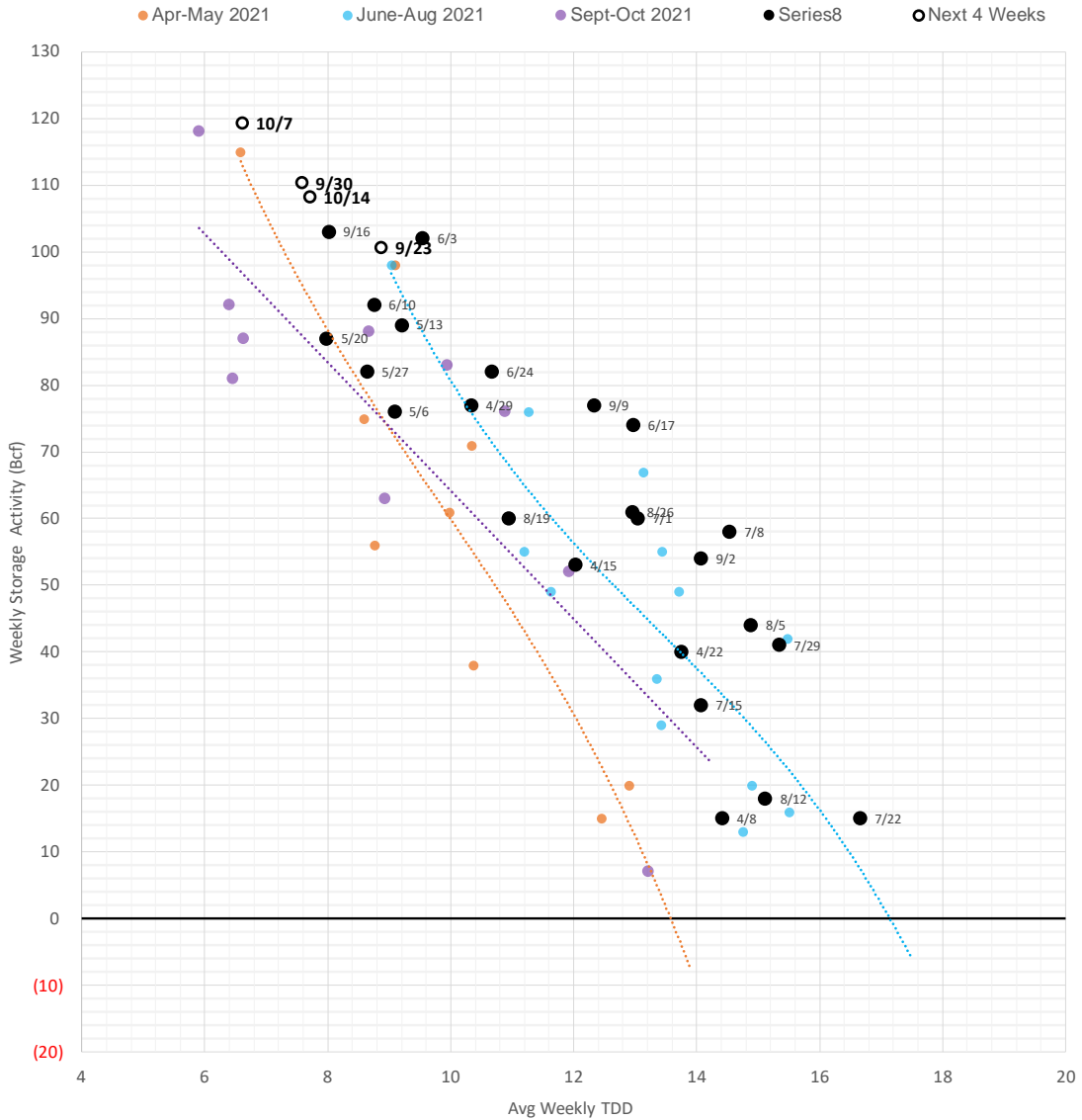


	OCT 22	NOV 22	DEC 22	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23	AUG 23	SEP 23
Henry Hub	\$7.179	\$7.276	\$7.448	\$7.589	\$7.262	\$6.370	\$5.077	\$4.945	\$5.010	\$5.074	\$5.046	\$5.053
JKL	\$39.910	\$45.005	\$50.695	\$50.260	\$44.020	\$44.595	\$44.250	\$44.865	\$45.930	\$46.635	\$47.300	\$47.810
JKL-HHub	\$32.731	\$37.729	\$43.247	\$42.671	\$36.758	\$38.225	\$39.173	\$39.920	\$40.920	\$41.561	\$42.254	\$42.757
TTF	\$54.052	\$58.705	\$60.220	\$60.488	\$60.453	\$59.709	\$55.487	\$52.627	\$52.067	\$52.148	\$52.449	\$52.630
TTF-HHub	\$46.873	\$51.429	\$52.772	\$52.899	\$53.191	\$53.339	\$50.410	\$47.682	\$47.057	\$47.074	\$47.403	\$47.577
NBP	\$32.420	\$47.691	\$60.386	\$62.251	\$62.611	\$60.089	\$53.112	\$48.771	\$47.350	\$46.186	\$46.131	\$47.619
NBP-HHub	\$25.241	\$40.415	\$52.938	\$54.662	\$55.349	\$53.719	\$48.035	\$43.826	\$42.340	\$41.112	\$41.085	\$42.566

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.

