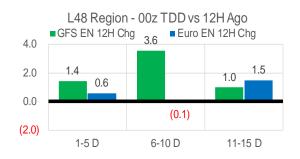


### Vs. 12H Ago

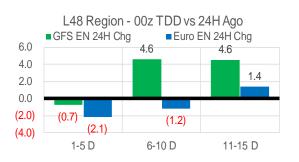


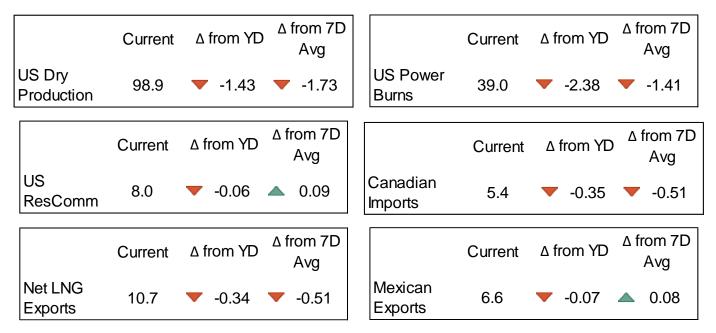
#### Page Menu

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

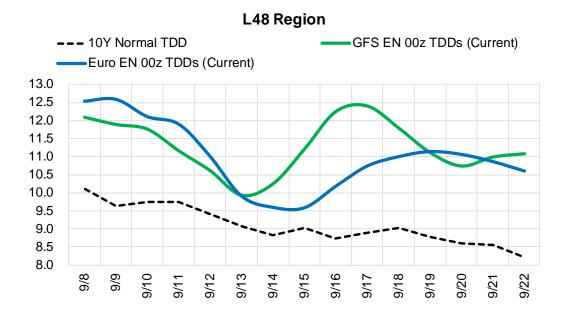
8 September 2022

### Vs. 24H Ago

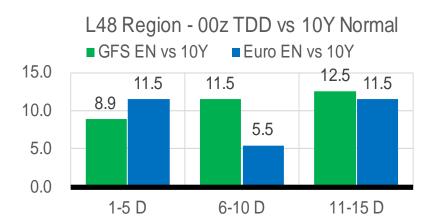




Short-term Weather Model Outlooks (00z)



# Vs. 10Y Normal



Source: WSI, Bloomberg

# **Market Report**

### 8 September 2022

#### **Daily Balances**

	2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	7-Sep	8-Sep	DoD	vs. 7D
Lower 48 Dry Production	100.6	101.0	100.9	100.7	100.8	100.3	98.9	▼ -1.4	<b>v</b> -1.9
Canadian Imports	5.5	6.0	6.1	6.1	6.2	5.7	5.4	▼ -0.4	<b>v</b> -0.5
L48 Power	41.0	38.8	38.7	39.2	41.6	41.4	39.0	▼ -2.4	▼ -1.1
L48 Residential & Commercial	7.9	7.6	7.6	7.9	8.1	8.1	8.0	▼ -0.1	<b>a</b> 0.1
L48 Industrial	21.6	21.4	21.3	21.3	21.4	21.4	21.3	▼ -0.1	<b>—</b> -0.1
L48 Lease and Plant Fuel	5.4	5.5	5.5	5.5	5.5	5.4	5.3	<b>T</b> -0.1	<b>v</b> -0.1
L48 Pipeline Distribution	2.7	2.6	2.6	2.6	2.8	2.7	2.6	▼ -0.1	<b>v</b> -0.1
L48 Regional Gas Consumption	78.7	75.9	75.6	76.5	79.4	79.1	76.3	<b>T</b> -2.8	▼ -1.2
Net LNG Delivered	10.97	11.67	11.87	11.60	11.21	11.08	10.74	<b>T</b> -0.3	▼ -0.7
Total Mexican Exports	6.6	6.5	6.2	6.6	6.6	6.7	6.6	<b>T</b> -0.1	<b>0.1</b>
Implied Daily Storage Activity EIA Reported Daily Storage Activity Daily Model Error	9.7	12.9	13.3	12.2	9.9	9.2	10.5		

Lower 48 Component Models

Daily Model Error

#### **EIA Storage Week Balances**

	29-Jul	5-Aug	12-Aug	19-Aug	26-Aug	2-Sep	WoW	vs. 4W
Lower 48 Dry Production	97.5	98.8	98.3	97.9	98.7	99.8	▲ 1.1	▲ 1.4
Canadian Imports	5.9	5.7	5.4	4.8	5.4	5.7	<b>0.3</b>	<b>0.4</b>
L48 Power	44.6	44.1	45.5	39.6	41.2	42.0	<b>a</b> 0.8	<b>V</b> -0.6
L48 Residential & Commercial	9.1	8.6	8.6	8.1	8.2	8.2	▼ 0.0	<b>-</b> 0.2
L48 Industrial	19.1	20.4	21.2	21.3	21.0	21.7	<b>0.7</b>	<b>a</b> 0.7
L48 Lease and Plant Fuel	5.3	5.4	5.3	5.3	5.4	5.4	<b>a</b> 0.1	<b>a</b> 0.1
L48 Pipeline Distribution	2.9	2.8	2.9	2.5	2.6	2.7	<b>a</b> 0.1	▼ 0.0
L48 Regional Gas Consumption	81.0	81.3	83.5	76.8	78.4	80.0	<b>1.6</b>	▲ 0.0
Net LNG Exports	10.7	10.9	10.9	10.9	11.1	10.9	<b>-0.2</b>	<b>▼-0.1</b>
Total Mexican Exports	6.9	6.9	7.0	7.0	6.9	6.8	▼ -0.1	<b>T</b> -0.1
Implied Daily Storage Activity EIA Reported Daily Storage Activity	4.8 5.9	5.4 6.3	2.3 2.6	7.9 8.6	7.6 8.7	7.8	0.2	
Daily Model Error	-1.1	-0.9	-0.3	-0.6	-1.1			

#### **Monthly Balances**

	2Yr Ago	LY					MTD		
	Sep-20	Sep-21	May-22	Jun-22	Jul-22	Aug-22	Sep-22	МоМ	vs. LY
Lower 48 Dry Production	88.9	93.6	95.8	96.5	97.2	98.6	100.6	<b>2.0</b>	▲ 7.0
Canadian Imports	3.8	5.1	5.1	5.7	5.9	5.4	5.9	<b>a</b> 0.5	▲ 0.8
L48 Power	34.4	33.1	29.8	38.0	43.7	42.5	40.4	▼ -2.1	<b>A</b> 7.3
L48 Residential & Commercial	8.9	8.7	12.4	9.1	9.0	8.3	7.9	<b>-</b> 0.4	<b>V</b> -0.8
L48 Industrial	19.9	20.2	19.7	18.7	19.5	21.2	21.4	<b>A</b> 0.2	<b>1.2</b>
L48 Lease and Plant Fuel	4.8	5.1	5.3	5.3	5.3	5.4	5.4	<b>A</b> 0.1	<b>0</b> .4
L48 Pipeline Distribution	2.4	2.3	2.4	2.5	2.8	2.7	2.7	▼ 0.0	<b>0</b> .4
L48 Regional Gas Consumption	70.4	69.5	69.5	73.7	80.2	80.1	77.9	▼ -2.2	<b>8.4</b>
Net LNG Exports	5.9	10.3	12.5	11.2	10.9	11.0	11.2	<b>a</b> 0.3	<b>0.9</b>
Total Mexican Exports	6.1	6.7	7.0	7.1	7.0	6.9	6.6	<b>-0.4</b>	<b>T</b> -0.2
Implied Daily Storage Activity EIA Reported Daily Storage Activity	10.3	12.1	11.9	10.2	5.0	6.0	10.8		
Daily Model Error					0.2				

Source: Bloomberg, analytix.ai

# **Daily** Average Generation Data

#### Nuclear Generation Daily Average - GWh (NRC)

ENERGY

	31-Aug	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	DoD	vs. 7D
NRC Nuclear Daily Output	89.4	89.2	88.4	87.6	87.2	87.9	87.4	-0.5	-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	15.4	15.7	16.5	17.3	17.7	16.9	17.5	0.5	0.9
NRC % Nuclear Cap Utilization	90.9	90.7	89.9	89.1	88.7	89.4	88.9	-0.6	-0.9

#### Wind Generation Daily Average - MWh (EIA)

	31-Aug	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	DoD	vs.7D
CALI Wind	1598	1545	2440	1512	935	836	747	-89	-730
TEXAS Wind	2588	3353	5093	3186	3509	5082	4315	-767	514
US Wind	23843	25054	31429	29315	24871	26490	20483	-6007	-6350

#### **Generation Daily Average - MWh (EIA)**

	31-Aug	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	DoD	vs.7D
US Wind	23843	25054	31429	29315	24871	26490	20483	-6007	-6350
US Solar	16419	15315	16034	15796	15538	15981	16393	412	546
US Petroleum	1109	755	1008	942	966	1004	1206	202	242
US Other	10157	9697	9745	9737	9377	9602	10056	454	337
US Coal	115901	114856	111854	102342	98206	98748	109208	10460	2223
US Nuke	91770	91365	90597	89351	89038	90447	89668	-779	-760
US Hydro	28045	28213	27036	23896	23961	26788	32196	5408	5873
US Gas	245426	239482	231904	217392	210056	212805	243808	31003	17630

## See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

# Storage Week Average Generation Data

#### Nuclear Generation Weekly Average - GWh (NRC)

	29-Jul	5-Aug	12-Aug	19-Aug	26-Aug	2-Sep	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	90.1	90.6	90.7	91.2	90.3	89.6	-0.7	0.1
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	14.8	14.3	14.1	13.7	14.5	15.2	0.7	
NRC % Nuclear Cap Utilization	91.6	92.1	92.3	92.8	91.9	91.2	-0.7	

#### Wind Generation Weekly Average - MWh (EIA)

	29-Jul	5-Aug	12-Aug	19-Aug	26-Aug	2-Sep	WoW	WoW Bcf/d Impact
CALI Wind	3049	1933	1901	1953	2324	1825	-499	0.1
TEXAS Wind	14533	14443	8762	7139	5879	6839	960	-0.2
US Wind	44003	43887	32976	28474	23562	36126	12563	-2.3
							53%	
						0.2		

#### Generation Weekly Average - MWh (EIA)

	29-Jul	5-Aug	12-Aug	19-Aug	26-Aug	2-Sep	WoW	WoW Bcf/d Impact
US Wind	44003	43887	32976	28474	23562	36126	12563	-2.3
US Solar	18095	17578	17568	16951	15881	16933	1052	-0.2
US Petroleum	1465	1131	1737	1045	1047	1075	28	0.0
US Other	10861	10500	10725	9882	10331	10525	194	0.0
US Coal	128742	122297	122575	112824	114385	113005	-1380	0.2
US Nuke	92281	92607	92966	94032	92872	92018	-854	0.2
US Hydro	32211	31338	30400	30431	30472	27849	-2623	0.5
US Gas	238166	236192	252451	218061	226873	232350	5477	1.0

## See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

est.



# 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	90.4	91.3	88.6	90.6	90.5	87.7	89.8	-2.8	-1.5
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	14.5	13.5	16.3	14.3	14.3	17.2	15.1	2.8	1.5
NRC % Nuclear Cap Utilization	91.9	92.9	90.1	92.1	92.1	89.2	91.3	-2.9	-1.5

#### Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY							
	Same 30 S 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	1828	2261	2892	2719	2028	1189	1807	-839	-454
TEXAS Wind	8261	9515	13378	11765	8440	4146	5925	-4294	-3589
US Wind	31662	36398	46918	39701	33219	24826	27897	-8393	-8501

#### 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	31662	36398	46918	39701	33219	24826	27897	<b>3071.2</b>	▼ -8501
US Solar	10278	13782	19381	18598	16974	15980	16490	<b>5</b> 09.4	<b>2708</b>
US Petroleum	1078	1374	1001	1252	1253	1037	1077	<b>4</b> 0	<b>-298</b>
US Other	9443	9855	8580	10129	10418	9791	10172	<b>a</b> 381	<b>A</b> 317
US Coal	123260	134012	105517	119788	117145	106704	111963	<b>5259</b>	<b>T-22049</b>
US Nuke	92646	93904	89978	92883	92969	89975	92313	<b>a</b> 2338	<b>T</b> -1590
US Hydro	29081	28738	37531	34185	30078	28310	29375	<b>1065</b>	<b>637</b>
US Gas	215354	208609	200787	235766	233590	230383	228424	<b>A</b> 12663	<b>A</b> 19815
US Total	510580	<b>526500</b>	509265	551823	535474	506545	517507	<b>A</b> 22255	▼ -8993



## See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

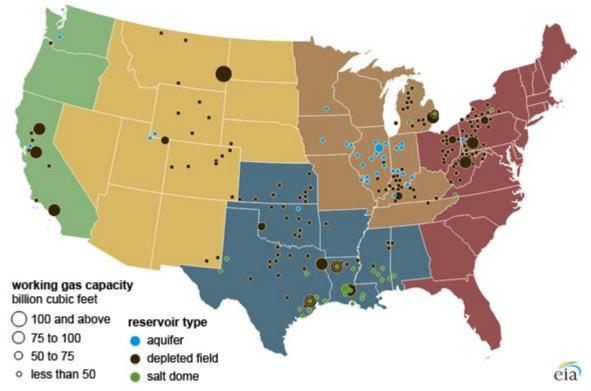


### Regional S/D Models Storage Projection

Week Ending	2-Sep			
			Daily	
			Average	Weekly
		Daily	Storage	Adjusted
	Daily Raw	Adjustment	Activity	Storage
	Storage	Factor	(Adjusted) *	Activity
	o <b>-</b>	<b>0</b> (		
L48	8.7	0.1	8.8	62
East	1.0	1.6	2.7	19
Midwest	4.3	-0.2	4.1	29
Mountain	4.5	-4.0	0.4	3
South Central	-1.5	3.4	1.9	13
Pacific	0.4	-0.7	-0.3	-2

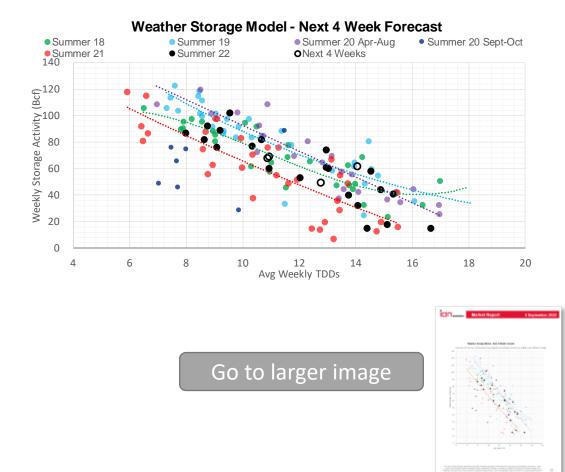
\*Adjustment Factor is calcuated based on historical regional deltas

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



### Weather Model Storage Projection

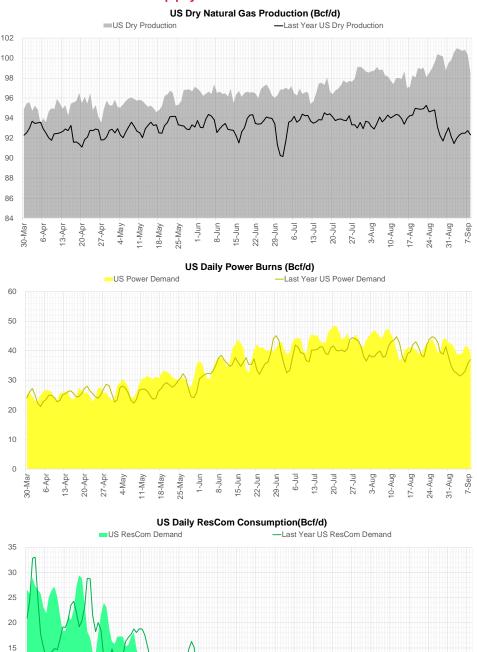
Next report and beyond		
Week Ending	GWDDs	Week Storage Projection
02-Sep	14.1	62
09-Sep	12.8	49
16-Sep	10.9	68
23-Sep	11.0	69



30-Mar 6-Apr 13-Apr

20-Apr 27-Apr 4-May 11-May 18-May 25-May





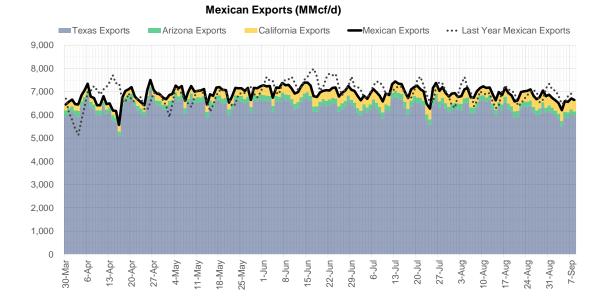
Source: Bloomberg The risk of trading futures and options and other derivatives involves a substantial risk of loss and is not suitable for all persons. Each person must consider whether a particular trade, combination of trades, or strategy is suitable for that person's financial means and objectives. 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.

1-Jun 8-Jun 15-Jun 22-Jun 29-Jun 20-Jul 27-Jul

6-Jul 13-Jul 10-Aug 17-Aug 24-Aug 31-Aug 7-Sep

3-Aug

NERGY



Sabine Pass Exports Cameron Exports Cove Point Exports Elba Exports Everett Exports Lake Charles Exports Freeport Exports Golden Pass Exports Neptune Exports Northeast Exports Chorpus Christie Import LNG Exports 14,000 12,000 •••• · · · · · · 10,000 8,000 6,000 4,000 2,000 0 (2,000) 10-Aug 1-Aug 19-Aug 21-Aug 22-Aug 23-Aug 24-Aug 25-Aug 26-Aug 27-Aug 28-Aug 29-Aug 30-Aug 12-Aug 17-Aug 18-Aug 20-Aug 5-Aug 16-Aug 31-Aug 3-Aug 14-Aug 1-Sep 2-Sep 3-Sep 4-Sep 5-Sep 6-Sep 7-Sep 8-Sep

Net LNG Exports - Last 30 days (MMcf/d)

Source: Bloomberg



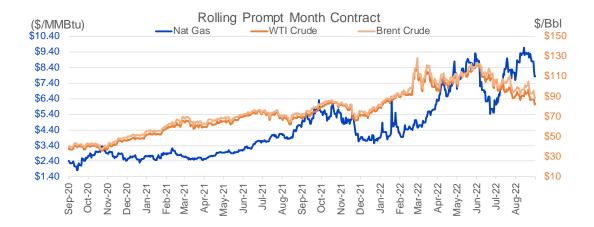
### Nat Gas Options Volume and Open Interest CME and ICE Combined

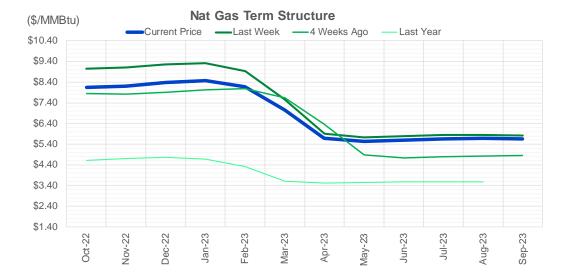
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
10	2022	Р	6.00	7492	10	2022	Р	3.00	36676
10	2022	Р	7.00	5697	10	2022	С	6.00	36015
10	2022	Р	7.50	2546	10	2022	Р	6.00	34042
10	2022	С	9.00	2488	10	2022	Р	5.00	29563
1	2023	С	10.00	1977	10	2022	Р	2.50	28006
10	2022	Р	6.50	1966	10	2022	С	12.00	23974
1	2023	С	8.00	1965	10	2022	С	5.00	23269
10	2022	С	10.00	1603	12	2022	Р	5.00	23122
12	2022	С	10.00	1487	10	2022	С	10.00	22389
10	2022	Р	5.00	1393	10	2022	Р	3.50	22294
1	2023	С	11.00	1327	5	2023	Р	2.00	22127
10	2022	Р	8.00	1279	3	2023	С	10.00	21996
11	2022	Р	6.50	1260	11	2022	Р	4.00	21526
11	2022	Р	6.25	1254	10	2022	Р	4.00	21422
11	2022	С	10.00	1197	4	2023	Р	3.00	19961
2	2023	С	11.00	1150	4	2023	Р	3.50	19541
12	2022	С	11.00	1128	10	2023	P	3.00	19208
2	2023	С	20.00	1125	12	2022	C P	5.00 3.50	18218
2	2023	С	8.00	1100	5 3	2023 2023	P	3.50 3.00	18040
10	2022	Р	6.25	1086	3	2023	P C	20.00	18017 17902
11	2022	Р	5.00	1079	3 10	2023	P	8.00	17902
11	2022	Р	7.00	1031	7	2022	P	3.50	17715
11	2022	Р	5.75	1010	8	2023	P	3.50	17715
10	2022	Р	5.50	1005	8 9	2023	P	3.50	17715
10	2022	Р	6.70	1002	10	2023	P	5.50	17674
2	2023	С	10.00	1000	10	2022	P	3.50	17615
2	2023	С	22.00	1000	10	2023	P	5.00	17604
11	2022	Р	6.00	971	6	2022	P	3.50	17465
1	2023	С	8.70	950	10	2022	P	7.00	17410
10	2022	С	8.00	918	1	2023	C	10.00	17151
10	2022	С	7.50	901	10	2023	P	2.50	17100
11	2022	С	20.00	876	10	2022	C	8.00	16959
12	2022	С	8.00	865	10	2022	P	2.00	16759
10	2023	Р	3.00	860	6	2023	Р	3.00	16345
4	2023	Р	4.00	825	5	2023	Р	3.00	16248
11	2022	С	7.85	801	12	2022	С	4.00	16194
4	2023	Р	3.00	800	11	2022	Р	6.00	16087
5	2023	Р	3.00	800	10	2023	Р	4.00	15986
6	2023	Р	3.00	800	12	2022	Р	4.00	15971
7	2023	Р	3.00	800	7	2023	Р	3.00	15825
8	2023	Р	3.00	800	11	2022	С	4.00	15755
9	2023	Р	3.00	800	8	2023	Р	3.00	15625
10	2022	С	11.00	784	9	2023	Р	3.00	15625
5	2023	Р	4.00	725	10	2023	Р	2.00	15610
6	2023	P	4.00	725	1	2023	Р	5.00	15444
1	2023	С	15.00	706	2	2023	С	10.00	15239
11	2022	P	4.00	702	10	2022	Р	3.25	15196
1	2023	С	13.00	700	10	2022	С	12.50	15141
4	2023	Р	4.50	675	10	2022	C Source	e: CME, ICE	15046

#### 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										
CME Henry F				ICE Henry I			N			
	Current	Prior	Daily Change		Current	Prior	Daily Change			
OCT 22	105984	111341	-5357	OCT 22	79802	78273	1529			
NOV 22	127732	130856	-3124	NOV 22	72314	71709	605			
DEC 22	68280	69041	-761	DEC 22	67235	66587	648			
JAN 23	87159	86812	347	JAN 23	66779	66940	-162			
FEB 23	41021	41071	-50	FEB 23	65175	64765	410			
MAR 23	66842	65864	978	MAR 23	57160	56404	757			
APR 23	72467	71623	844	APR 23	53091	53726	-635			
MAY 23	78270	77890	380	MAY 23	52620	52627	-7			
JUN 23	24658	24570	88	JUN 23	45215	45291	-77			
JUL 23	25048	25062	-14	JUL 23	44306	44424	-119			
AUG 23	20173	20015	158	AUG 23	43238	43442	-203			
SEP 23	23310	22920	390	SEP 23	42703	42855	-152			
OCT 23	54060	53454	606	OCT 23	50833	50760	73			
NOV 23	16186	15778	408	NOV 23	46633	46730	-97			
DEC 23	12873	12817	56	DEC 23	40570	40636	-66			
JAN 24	20023	19719	304	JAN 24	40186	40317	-131			
FEB 24	8787	8534	253	FEB 24	31070	31073	-3			
MAR 24	18649	18674	-25	MAR 24	36225	36282	-57			
APR 24	14699	14692	7	APR 24	28535	28564	-29			
MAY 24	7427	7455	-28	MAY 24	27398	27444	-46			
JUN 24	2937	2925	12	JUN 24	24799	24842	-44			
JUL 24	3408	3395	13	JUL 24	24515	24578	-62			
AUG 24	3430	3425	5	AUG 24	24252	24317	-65			
SEP 24	2107	2024	83	SEP 24	24055	24113	-58			
OCT 24	8716	8375	341	OCT 24	27469	27776	-307			
NOV 24	4879	4869	10	NOV 24	25118	25144	-26			
DEC 24	8182	8105	77	DEC 24	28464	28511	-47			
JAN 25	17629	17070	559	JAN 25	23130	22427	703			
FEB 25	1507	1256	251	FEB 25	15279	14757	522			
MAR 25	5131	5273	-142	MAR 25	17248	17133	115			

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	\$8.145	\$8.212	\$8.367	\$8.458	\$8.158	\$7.031	\$5.681	\$5.544	\$5.599	\$5.657	\$5.672	\$5.659
Last Week	\$9.042	\$9.103	\$9.240	\$9.310	\$8.916	\$7.576	\$5.902	\$5.736	\$5.783	\$5.832	\$5.842	\$5.826
vs. Last Week	-\$0.897	-\$0.891	-\$0.873	-\$0.852	-\$0.758	-\$0.545	-\$0.221	-\$0.192	-\$0.184	-\$0.175	-\$0.170	-\$0.167
4 Weeks Ago	\$7.833	\$7.825	\$7.902	\$8.018	\$8.080	\$7.649	\$6.355	\$4.890	\$4.742	\$4.789	\$4.835	\$4.848
vs. 4 Weeks Ago	\$0.312	\$0.387	\$0.465	\$0.440	\$0.078	-\$0.618	-\$0.674	\$0.654	\$0.857	\$0.868	\$0.837	\$0.811
Last Year	\$4.568	\$4.615	\$4.704	\$4.764	\$4.669	\$4.324	\$3.608	\$3.522	\$3.551	\$3.584	\$3.591	\$3.577
vs. Last Year	\$3.577	\$3.597	\$3.663	\$3.694	\$3.489	\$2.707	\$2.073	\$2.022	\$2.048	\$2.073	\$2.081	\$2.082

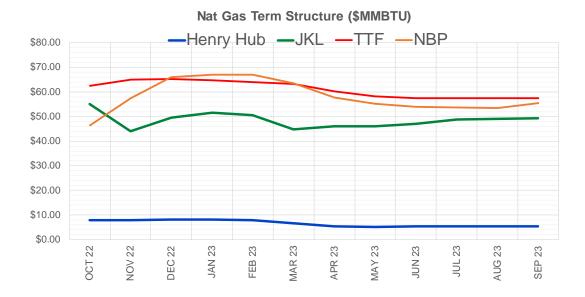
		Cash	Prompt	Cash to
	Units	Settled	Settle	Prompt
AGT Citygate	\$/MMBtu	7.95	8.53	0.58
TETCO M3	\$/MMBtu	7.50	7.75	0.25
FGT Zone 3	\$/MMBtu	7.60	9.74	2.14
Zone 6 NY	\$/MMBtu	7.60	7.72	0.12
Chicago Citygate	\$/MMBtu	7.61	8.45	0.84
Michcon	\$/MMBtu	7.64	8.28	0.64
Columbia TCO Pool	\$/MMBtu	7.30	7.80	0.50
Ventura	\$/MMBtu	5.95	8.43	2.48
Rockies/Opal	\$/MMBtu	8.03	8.22	0.19
El Paso Permian Basin	\$/MMBtu	6.66	6.91	0.25
Socal Citygate	\$/MMBtu	13.05	8.73	-4.32
Malin	\$/MMBtu	9.11	8.50	-0.62
Houston Ship Channel	\$/MMBtu	7.54	8.32	0.77
Henry Hub Cash	\$/MMBtu	8.12	8.09	-0.03
AECO Cash	C\$/GJ	3.27	4.68	1.41
Station2 Cash	C\$/GJ	-0.23	8.44	8.67
Dawn Cash	C\$/GJ	7.68	8.39	0.71

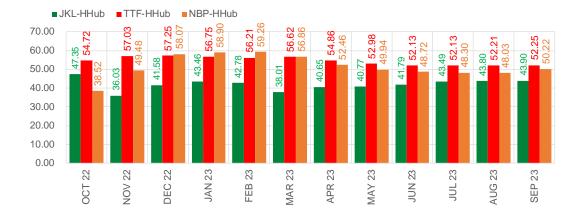
Source: CME, Bloomberg



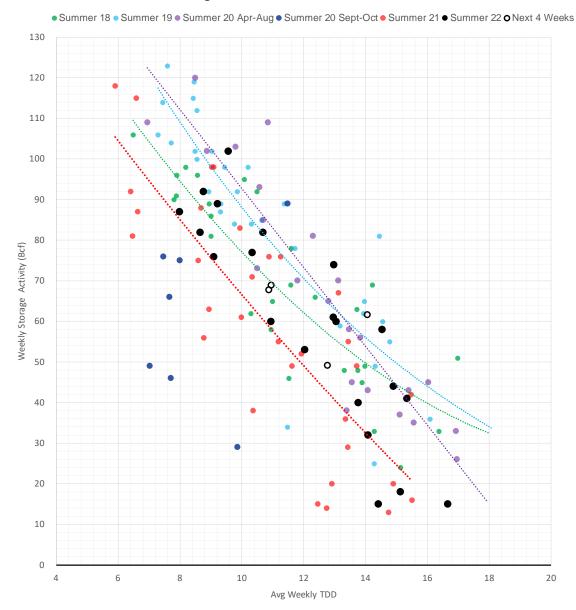
					VS	s. 4 Weeks		
	Units	<b>Current Price</b>	VS.	Last Week		Ago	٧	s. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224		0.000		0.000		0.927
NatGas Oct21/Nov21	\$/MMBtu	0.361		0.000		0.000		0.313
NatGas Oct21/Jan22	\$/MMBtu	-1.817		0.000		0.000	▼	-2.006
NatGas Apr22/Oct22	\$/MMBtu	2.506	▼	-1.285		-0.351		2.550
WTI Crude	\$/Bbl	81.94	▼	-7.610		-9.990		12.640
Brent Crude	\$/Bbl	88.00	$\mathbf{T}$	-8.490	▼	-9.400		15.400
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18		0.000		0.000		0.000
Heating Oil	cents/Gallon	358.60	$\mathbf{T}$	-12.940		17.570		144.960
Propane, Mt. Bel	cents/Gallon	1.06		-0.036		-0.019		-0.133
Ethane, Mt. Bel	cents/Gallon	0.52	▼	-0.077	▼	-0.048		0.156
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						

ENERGY

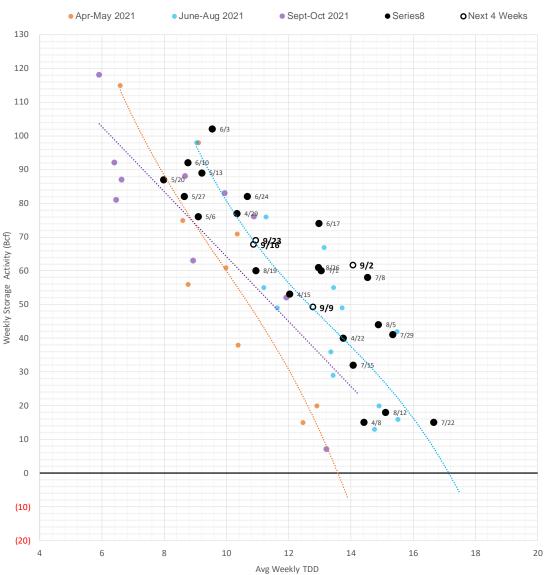




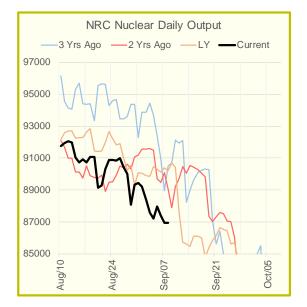
	OCT 22	NOV 22	<b>DEC 22</b>	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	<b>JUN 23</b>	JUL 23	AUG 23	SEP 23
Henry Hub	\$7.849	\$7.909	\$8.038	\$8.106	\$7.805	\$6.690	\$5.330	\$5.203	\$5.263	\$5.332	\$5.352	\$5.328
JKL	\$55.200	\$43.935	\$49.620	\$51.565	\$50.580	\$44.700	\$45.975	\$45.975	\$47.055	\$48.820	\$49.150	\$49.230
JKL-HHub	\$47.351	\$36.026	\$41.582	\$43.459	\$42.775	\$38.010	\$40.645	\$40.772	\$41.792	\$43.488	\$43.798	\$43.902
TTF	\$62.564	\$64.942	\$65.289	\$64.855	\$64.011	\$63.313	\$60.189	\$58.182	\$57.397	\$57.459	\$57.564	\$57.579
TTF-HHub	\$54.715	\$57.033	\$57.251	\$56.749	\$56.206	\$56.623	\$54.859	\$52.979	\$52.134	\$52.127	\$52.212	\$52.251
NBP	\$46.369	\$57.387	\$66.109	\$67.009	\$67.065	\$63.547	\$57.793	\$55.144	\$53.984	\$53.629	\$53.377	\$55.548
NBP-HHub	\$38.520	\$49.478	\$58.071	\$58.903	\$59.260	\$56.857	\$52.463	\$49.941	\$48.721	\$48.297	\$48.025	\$50.220



#### Weather Storage Model - Next 4 Week Forecast



Weather Storage Model - Next 4 Week Forecast



ENERGY

