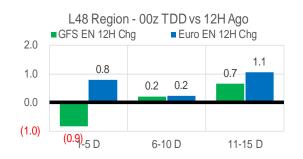


# Vs. 12H Ago

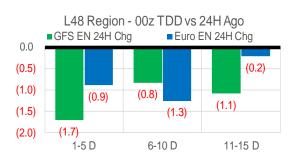


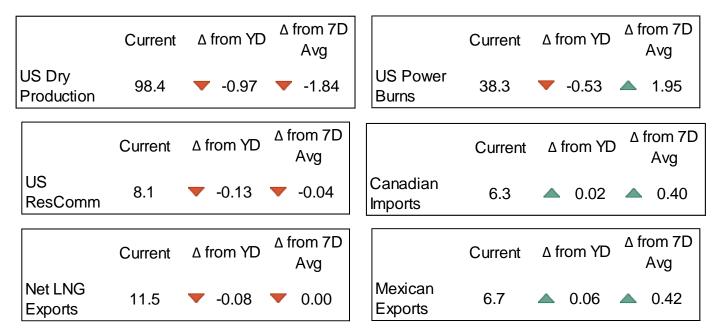
### Page Menu

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** 

**21 September 2022** 

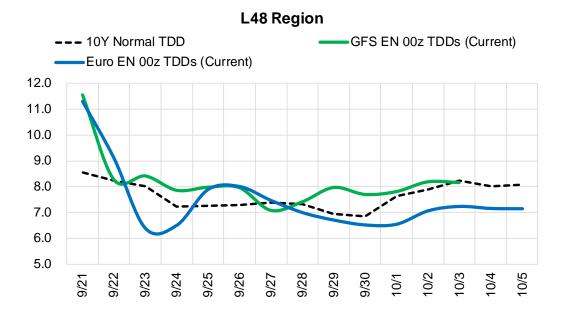
### Vs. 24H Ago



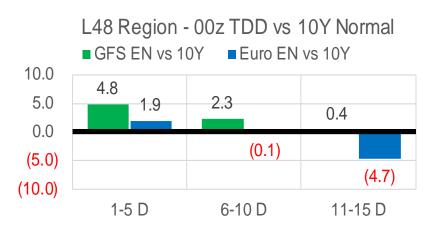




Short-term Weather Model Outlooks (00z)



# Vs. 10Y Normal



Source: WSI, Bloomberg

# **Market Report**

## 21 September 2022

#### **Daily Balances**

	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep	DoD	vs. 7D
Lower 48 Dry Production	100.6	100.3	100.1	100.3	100.9	99.4	98.4	▼ -1.0	▼ -1.9
Canadian Imports	5.5	5.7	5.9	6.2	6.1	6.2	6.3	▲ 0.0	<b>0.3</b>
L48 Power	35.4	35.2	33.8	35.6	38.9	38.8	38.3	<b>-</b> 0.5	<b>2</b> .0
L48 Residential & Commercial	8.3	8.4	8.0	7.8	8.0	8.2	8.1	▼ -0.1	▼ 0.0
L48 Industrial	20.6	20.9	21.2	21.5	21.7	21.9	21.8	<b>T</b> -0.1	<b>a</b> 0.5
L48 Lease and Plant Fuel	5.4	5.4	5.4	5.4	5.5	5.4	5.3	▼ -0.1	▼ -0.1
L48 Pipeline Distribution	2.4	2.4	2.3	2.4	2.6	2.6	2.6	▼ 0.0	<b>0</b> .1
L48 Regional Gas Consumption	72.2	72.3	70.7	72.7	76.7	76.9	76.0	▼ -0.8	<b>2.4</b>
Net LNG Delivered	11.64	11.83	11.44	11.54	11.55	11.61	11.54	<b>T</b> -0.1	▼ -0.1
Total Mexican Exports	6.6	6.2	5.5	6.3	6.2	6.6	6.7	<b>0.1</b>	<b>0.5</b>
Implied Daily Storage Activity EIA Reported Daily Storage Activity Daily Model Error	15.6	15.7	18.4	16.0	12.5	10.5	10.4		

Lower 48 Component Models

Daily Model Error

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

-	LY				LW	Current		
	17-Sep	19-Aug	26-Aug	2-Sep	9-Sep	16-Sep	WoW	vs. LY
Lower 48 Dry Production	93.3	97.8	98.6	99.8	100.4	100.4	<b>T</b> -0.1	<b>7.1</b>
Canadian Imports	5.0	4.8	5.4	5.7	5.8	5.5	<b>-0.3</b>	<b>0.4</b>
L48 Power	35.1	39.6	41.2	42.6	41.0	37.9	▼ -3.1	2.7
L48 Residential & Commercial	8.5	8.1	8.2	8.2	7.9	8.3	<b>0</b> .4	-0.3
L48 Industrial	20.5	21.3	21.0	21.9	21.2	21.2	<b>0.0</b>	0.7
L48 Lease and Plant Fuel	5.1	5.3	5.4	5.4	5.4	5.4	▼ 0.0	0.4
L48 Pipeline Distribution	2.4	2.5	2.6	2.7	2.7	2.6	<b>T</b> -0.2	0.1
L48 Regional Gas Consumption	71.6	76.8	78.5	80.8	78.2	75.3	<b>-2.9</b>	<b>3.7</b>
Net LNG Exports	10.2	10.9	11.1	10.9	11.3	11.3	▼ 0.0	▲ 1.1
Total Mexican Exports	6.6	7.0	6.9	6.9	6.6	6.7	<b>0.1</b>	▲ 0.0
Implied Daily Storage Activity EIA Reported Daily Storage Activity	9.8 10.9	7.9 8.6	7.6 8.7	7.0 7.7	10.2 11.0	12.6	2.4	2.8
Daily Model Error	-1.1	-0.6	-1.1	-0.7	-0.8			

#### **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	97.1	98.6	100.3	<b>1.7</b>	<b>6.8</b>
Canadian Imports	3.8	5.1	5.1	5.7	5.9	5.4	5.8	<b>0.4</b>	<b>0.6</b>
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	8.1	▼ -0.2	▼ -0.7
L48 Industrial	19.9	20.2	19.7	18.7	19.5	21.3	21.0	<b>V</b> -0.3	<b>0.7</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>a</b> 0.4
L48 Pipeline Distribution	2.4	2.3	2.4	2.5	2.8	2.7	2.6	<b>T</b> -0.1	<b>a</b> 0.3
L48 Regional Gas Consumption	70.4	69.5	69.5	73.7	80.2	80.3	75.9	▼ -4.3	<b>6.4</b>
Net LNG Exports	5.9	10.3	12.5	11.2	10.9	11.0	11.3	<b>0.4</b>	<b>1.0</b>
Total Mexican Exports	6.1	6.7	7.0	7.1	7.0	6.9	6.5	<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	4.9	5.8	12.3		
Daily Model Error					0.2				

Source: Bloomberg, analytix.ai

# **Daily** Average Generation Data

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

ENERGY

	13-Sep	14-Sep	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	DoD	vs. 7D
NRC Nuclear Daily Output	86.0	86.1	86.4	86.9	86.4	86.1	86.5	0.4	0.2
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	18.9	18.8	18.5	18.0	18.5	18.7	18.3	-0.4	-0.2
NRC % Nuclear Cap Utilization	87.4	87.5	87.9	88.4	87.8	87.6	88.0	0.4	0.2

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

	13-Sep	14-Sep	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	DoD	vs.7D
CALI Wind	3334	2462	2883	2474	3033	2068	1239	-829	-1470
TEXAS Wind	9897	13152	12794	14525	16597	13917	10744	-3173	-2736
US Wind	35948	51272	52821	48839	55278	46302	42932	-3370	-5478

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

	13-Sep	14-Sep	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	DoD	vs.7D
US Wind	35948	51272	52821	48839	55278	46302	42932	-3370	-5478
US Solar	15356	16544	17256	17709	16714	16225	16261	36	-373
US Petroleum	983	937	943	963	965	988	1137	149	174
US Other	10071	9660	9788	10583	10268	10331	10943	612	826
US Coal	89595	85291	86422	88829	82040	87278	94889	7611	8313
US Nuke	89230	88923	89429	89636	89013	88591	89348	757	211
US Hydro	24999	24121	24077	24122	22212	22404	24877	2473	1221
US Gas	205934	184599	179376	180975	169311	182023	215959	33936	32256

# See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Market Report

# **Storage Week** Average Generation Data

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

	17-Sep	19-Aug	26-Aug	2-Sep	9-Sep	16-Sep	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	86.7	91.2	90.3	89.6	87.5	86.0	-1.5	0.3
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	18.2	13.7	14.5	15.2	17.4	18.9	1.5	
NRC % Nuclear Cap Utilization	88.2	92.8	91.9	91.2	88.9	87.4	-1.5	

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

	17-Sep	19-Aug	26-Aug	2-Sep	9-Sep	16-Sep	WoW	WoW Bcf/d Impact
CALI Wind	2083	1953	2324	1825	1285	2033	748	-0.1
TEXAS Wind	9541	7139	5879	6839	4092	8875	4783	-0.9
US Wind	42417	28474	23582	36122	27253	37391	10138	-1.8
							37%	
						1.2		

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

					<u> </u>	Ounoni		
	17-Sep	19-Aug	26-Aug	2-Sep	9-Sep	16-Sep	ΥοΥ	WoW Bcf/d Impact
US Wind	42417	28474	23582	36122	27253	37391	10138	-1.8
US Solar	14069	16951	15905	17073	16144	14588	-1555	0.3
US Petroleum	425	1045	1047	1075	1105	1029	-76	0.0
US Other	9289	9882	10332	10580	9947	9830	-118	0.0
US Coal	114911	112914	114538	113005	105982	91205	-14778	2.7
US Nuke	89509	94032	92872	92018	89638	88711	-927	0.2
US Hydro	24153	30431	30663	27850	27940	25841	-2099	0.4
US Gas	184243	218153	227218	232735	227615	200779	-26837	-4.8

# See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

LY

Current



# Monthly Average Generation Data

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

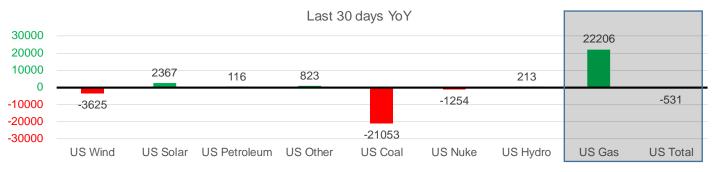
	2Yr Ago	LY				MTD			
	Same 30 days	Same 30 days	Jun-22	Jul-22	Aug-22	Sep-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
NRC Nuclear Daily Output	89.9	88.9	88.6	90.6	90.5	86.8	87.8	-3.7	-1.1
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	104.9	0.0	0.0
NRC Nuclear Outage	15.0	16.0	16.3	14.3	14.3	18.1	17.1	3.7	1.1
NRC % Nuclear Cap Utilization	91.4	90.4	90.1	92.1	92.1	88.3	89.3	-3.8	-1.1

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

	2Yr Ago	o 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	1416	1945	2892	2719	2028	1717	1751	-311	-194
TEXAS Wind	6871	8939	13378	11765	8440	8162	7490	-278	-1449
US Wind	30458	38189	46918	39701	33222	36038	34564	2816	-3625

#### **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	30458	38189	46918	39701	33222	36038	34564	▼-1473.9	▼ -3625
US Solar	9494	13721	19376	18598	16998	15727	16089	<b>a</b> 361.5	<b>2367</b>
US Petroleum	983	951	1001	1252	1253	1049	1067	<b>1</b> 9	🔺 116
US Other	8809	9458	8608	10129	10424	10112	10282	<b>1</b> 70	<b>A</b> 823
US Coal	109639	123434	105517	119788	117200	97047	102381	<b>5</b> 334	<b>T-21053</b>
US Nuke	92625	91513	89949	92883	92969	89290	90259	<b>A</b> 969	💌 -1254
US Hydro	27534	26789	37531	34227	30121	26098	27002	<b>4</b> 904	<b>213</b>
US Gas	194133	195355	200872	235766	233735	210461	217561	<b>6284</b>	<b>A 22206</b>
US Total	471680	499486	509350	551822	535671	485564	498955	<b>A</b> 14041	🔻 -531



# See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

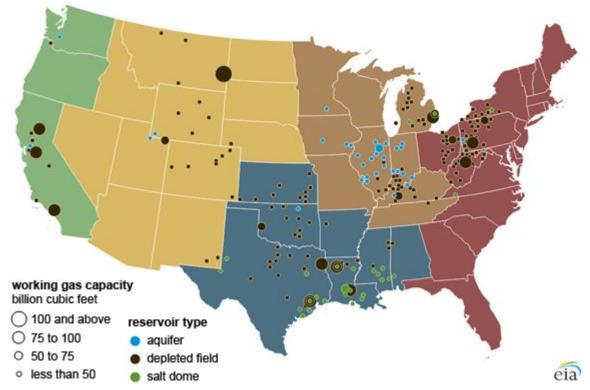


### Regional S/D Models Storage Projection

Week Ending	16-Sep			
			Daily Average	Weekly
	Daily Raw Storage	Daily Adjustment Factor	Storage Activity (Adjusted) *	Adjusted Storage Activity
L48	13.6	-0.1	13.6	95
East	1.8	1.8	3.6	25
Midwest	5.2	0.1	5.3	37
Mountain	4.9	-4.2	0.7	5
South Central	0.8	2.8	3.6	25
Pacific	0.9	-0.6	0.3	2

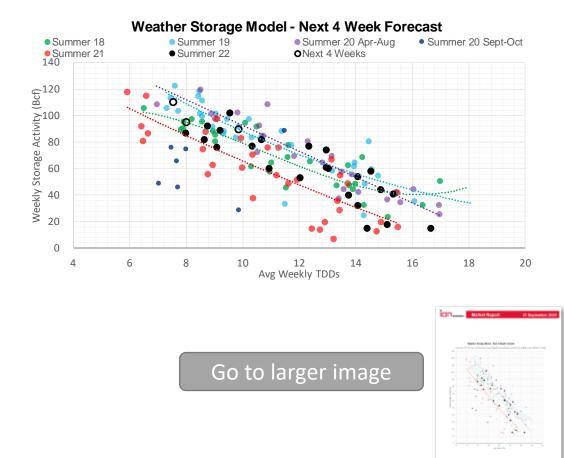
\*Adjustment Factor is calcuated based on historical regional deltas

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

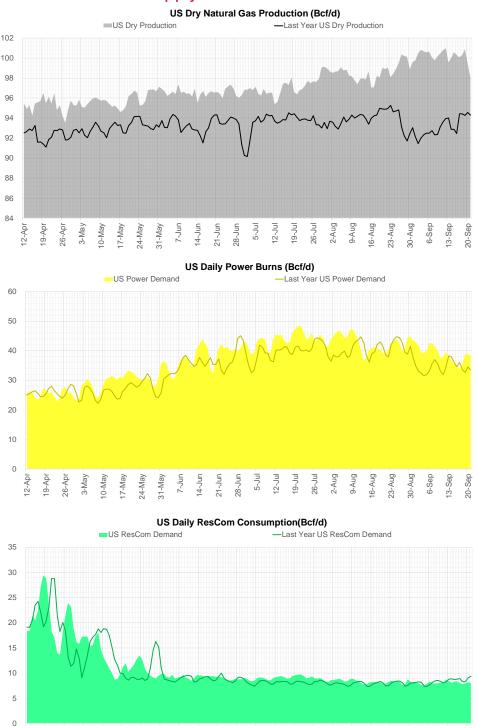


### Weather Model Storage Projection

Next report and beyond		
Week Ending	GWDDs	Week Storage Projection
16-Sep	8.0	95
23-Sep	9.9	90
30-Sep	7.6	110
07-Oct	#N/A	#N/A



### Supply – Demand Trends



Source: Bloomberg

13-Sep

6-Sep

20-Sep

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.

21-Jun 28-Jun 5-Jul 12-Jul 19-Jul

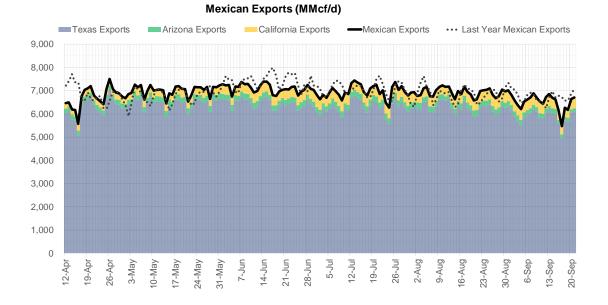
7-Jun 14-Jun

31-May

26-Jul 2-Aug 9-Aug 16-Aug 23-Aug 30-Aug

12-Apr 19-Apr 26-Apr

3-May 10-May 17-May 24-Mav NERGY



#### Net LNG Exports - Last 30 days (MMcf/d) Sabine Pass Exports Cove Point Exports Cameron Exports Elba Exports Lake Charles Exports Everett 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) 24-Aug 1-Sep 4-Sep 5-Sep 6-Sep 7-Sep 9-Sep 23-Aug 25-Aug 26-Aug 28-Aug 30-Aug 31-Aug 2-Sep 3-Sep 8-Sep 10-Sep 11-Sep 13-Sep 29-Aug 12-Sep 27-Aug 14-Sep 15-Sep 16-Sep 17-Sep Sep 19-Sep 20-Sep 21-Sep ά

Source: Bloomberg



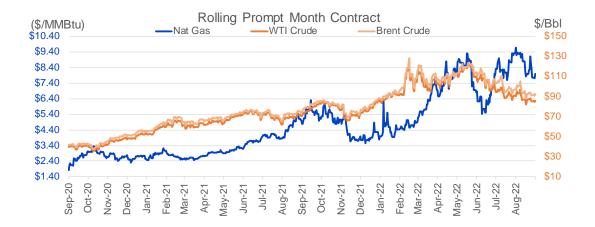
### Nat Gas Options Volume and Open Interest CME and ICE Combined

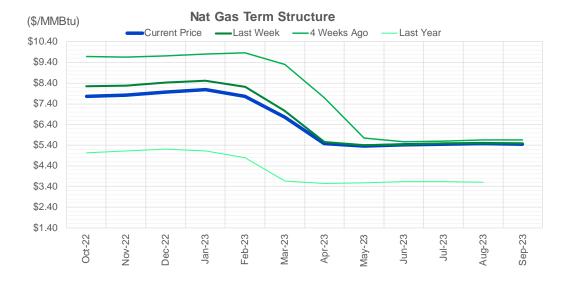
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
10	2022	Р	7.00	5608	10	2022	Р	3.00	36677
10	2022	С	9.00	3373	10	2022	С	6.00	36015
3	2023	Р	4.00	3250	10	2022	Р	6.00	35908
10	2022	Р	7.50	2926	10	2022	Р	5.00	30776
12	2022	Р	6.00	2763	10	2022	Р	2.50	28006
10	2022	С	11.00	2555	10	2022	С	10.00	25895
12	2022	Р	6.50	1855	10	2022	С	5.00	23569
10	2022	С	9.25	1781	3	2023	С	10.00	23345
10	2022	С	10.50	1734	10	2022	С	12.00	22937
10	2022	С	8.00	1713	11	2022	Р	4.00	22725
10	2022	С	8.50	1604	10	2022	Р	7.00	22444
3	2023	Р	4.50	1575	10	2022	Р	3.50	22296
10	2022	Р	6.75	1496	5	2023	Р	2.00	22227
3	2023	С	10.00	1460	12	2022	Р	5.00	21877
10	2022	С	8.25	1438	10	2022	Р	4.00	21627
10	2022	С	9.50	1397	4	2023	Р	3.00	21336
10	2022	Р	6.50	1368	10	2022	P P	8.00	20608
3	2023	Р	5.50	1250	10	2023	P	3.00	20018
10	2022	Р	6.25	1171	4	2023	P C	3.50	19371
10	2022	Р	5.00	1161	10	2022		8.00	18940
3	2023	С	12.00	1050	3 12	2023 2022	C C	20.00 5.00	18899
11	2022	С	18.00	1029	12	2022	c	5.00 9.00	18222 18007
10	2022	С	10.00	989	10		P	9.00 6.00	17964
10	2022	Р	6.00	951	12	2022 2023	P	6.00 2.50	17964
12	2022	Р	4.00	901	5	2023	P	2.50	17850
4	2023	С	4.00	750	3	2023	P	3.00	17699
5	2023	С	4.00	750	6	2023	P	3.00	17699
6	2023	С	4.00	750	5	2023	P	3.00	17648
7	2023	С	4.00	750	1	2023	C	10.00	17430
8	2023	С	4.00	750	11	2023	P	5.00	17409
9	2023	С	4.00	750	7	2022	P	3.50	17320
10	2023	С	4.00	750	8	2023	P	3.50	17320
11	2023	С	4.00	750	9	2023	P	3.50	17310
12	2023	С	4.00	750	10	2023	P	3.50	17285
10	2022	С	8.75	733	6	2023	P	3.50	17195
4	2023	С	7.00	601	10	2022	P	2.00	16759
4	2023	Р	4.00	600	10	2022	P	5.50	16653
5	2023	С	7.00	600	7	2023	P	3.00	16300
5	2023	Р	4.00	600	12	2022	P	4.00	16239
6	2023	Р	4.00	600	12	2022	C	4.00	16194
7	2023	Р	4.00	600	8	2023	P	3.00	16100
8	2023	Р	4.00	600	9	2023	Р	3.00	16100
9	2023	Р	4.00	600	11	2022	С	12.00	16038
10	2023	Р	4.00	600	11	2022	P	6.00	16013
10	2022	Р	7.25	595	10	2023	Р	4.00	15986
6	2023	Р	3.50	550	11	2022	C	4.00	15755
12	2022	Р	5.50	502	2	2023	C	10.00	15689
1	2023	С	4.00	500	4	2023	Р	4.00	15571
1	2023	Р	4.00	500	10	2023	P	e: CME, ICE	15510
							Source	e: 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	J	Current	Prior	Daily Change			
OCT 22	47966	56587	-8621	OCT 22	73541	74013	-473			
NOV 22	155902	154846	1056	NOV 22	71803	71772	31			
DEC 22	64989	64777	212	DEC 22	68564	68230	334			
JAN 23	86164	86917	-753	JAN 23	65450	65198	252			
FEB 23	39296	39311	-15	FEB 23	66464	67171	-706			
MAR 23	71696	71078	618	MAR 23	56293	55941	352			
APR 23	75274	75105	169	APR 23	52516	52397	119			
MAY 23	79197	78869	328	MAY 23	52961	52785	176			
JUN 23	23682	23731	-49	JUN 23	45129	45038	91			
JUL 23	23523	23288	235	JUL 23	43941	43910	31			
AUG 23	19748	19773	-25	AUG 23	42968	42595	373			
SEP 23	22524	22678	-154	SEP 23	42431	42638	-207			
OCT 23	54470	54885	-415	OCT 23	51694	51587	107			
NOV 23	17171	17077	94	NOV 23	46748	46607	141			
DEC 23	14400	14364	36	DEC 23	40347	40490	-143			
JAN 24	24125	23448	677	JAN 24	41450	40719	731			
FEB 24	9224	9005	219	FEB 24	30569	30513	56			
MAR 24	19035	18707	328	MAR 24	36450	35880	570			
APR 24	14904	15004	-100	APR 24	29032	29060	-27			
MAY 24	7551	7549	2	MAY 24	27642	27657	-15			
JUN 24	2898	2931	-33	JUN 24	24951	24971	-20			
JUL 24	3492	3462	30	JUL 24	24730	24729	1			
AUG 24	3416	3426	-10	AUG 24	24428	24426	3			
SEP 24	2250	2239	11	SEP 24	24156	24168	-12			
OCT 24	8736	8638	98	OCT 24	28076	27985	91			
NOV 24	4878	4886	-8	NOV 24	25420	25414	6			
DEC 24	8193	8196	-3	DEC 24	28794	28785	9			
JAN 25	17791	17673	118	JAN 25	23022	22955	68			
FEB 25	1579	1563	16	FEB 25	15575	15524	51			
MAR 25	5198	5198	0	MAR 25	17704	17507	197			

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	\$7.752	\$7.804	\$7.966	\$8.074	\$7.764	\$6.764	\$5.466	\$5.347	\$5.402	\$5.458	\$5.469	\$5.450
Last Week	\$8.249	\$8.287	\$8.420	\$8.517	\$8.206	\$7.057	\$5.547	\$5.390	\$5.437	\$5.488	\$5.499	\$5.481
vs. Last Week	-\$0.497	-\$0.483	-\$0.454	-\$0.443	-\$0.442	-\$0.293	-\$0.081	-\$0.043	-\$0.035	-\$0.030	-\$0.030	-\$0.031
4 Weeks Ago	\$9.680	\$9.647	\$9.710	\$9.810	\$9.862	\$9.309	\$7.687	\$5.752	\$5.557	\$5.602	\$5.649	\$5.662
vs. 4 Weeks Ago	-\$1.928	-\$1.843	-\$1.744	-\$1.736	-\$2.098	-\$2.545	-\$2.221	-\$0.405	-\$0.155	-\$0.144	-\$0.180	-\$0.212
Last Year	\$4.985	\$5.022	\$5.132	\$5.202	\$5.117	\$4.795	\$3.670	\$3.548	\$3.583	\$3.626	\$3.631	\$3.614
vs. Last Year	\$2.767	\$2.782	\$2.834	\$2.872	\$2.647	\$1.969	\$1.796	\$1.799	\$1.819	\$1.832	\$1.838	\$1.836

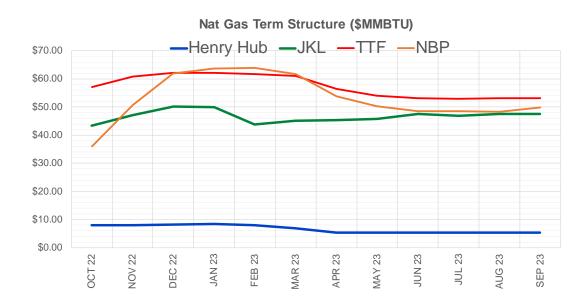
		Cash	Prompt	Cash to
	Units	Settled	Settle	Prompt
AGT Citygate	\$/MMBtu	7.30	7.72	0.42
TETCO M3	\$/MMBtu	6.88	7.05	0.17
FGT Zone 3	\$/MMBtu	7.01	9.03	2.01
Zone 6 NY	\$/MMBtu	7.01	7.05	0.04
Chicago Citygate	\$/MMBtu	7.00	7.77	0.77
Michcon	\$/MMBtu	6.98	7.69	0.71
Columbia TCO Pool	\$/MMBtu	6.82	7.10	0.28
Ventura	\$/MMBtu	5.95	7.74	1.79
Rockies/Opal	\$/MMBtu	7.05	7.46	0.41
El Paso Permian Basin	\$/MMBtu	5.25	6.19	0.94
Socal Citygate	\$/MMBtu	7.30	7.96	0.66
Malin	\$/MMBtu	6.91	7.69	0.78
Houston Ship Channel	\$/MMBtu	7.15	7.63	0.48
Henry Hub Cash	\$/MMBtu	7.94	7.53	-0.41
AECO Cash	C\$/GJ	3.48	4.09	0.61
Station2 Cash	C\$/GJ	1.24	7.66	6.42
Dawn Cash	C\$/GJ	6.99	7.63	0.64

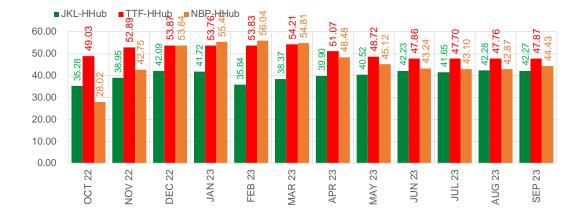
Source: CME, Bloomberg



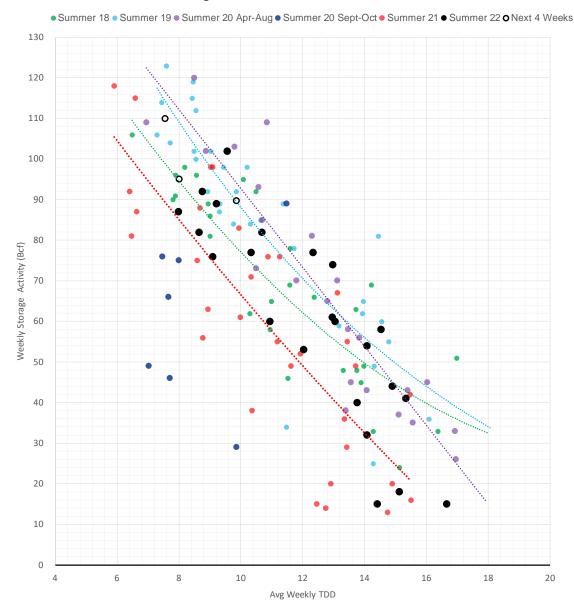
				vs. 4 Weeks	
	Units	<b>Current Price</b>	vs. Last Week	Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	<b>a</b> 0.000	<b>0.000</b>	<b>1</b> .036
NatGas Oct21/Nov21	\$/MMBtu	0.361	<b>0.000</b>	<b>0.000</b>	<b>a</b> 0.324
NatGas Oct21/Jan22	\$/MMBtu	-1.817	<b>0.000</b>	<b>0.000</b>	-2.035
NatGas Apr22/Oct22	\$/MMBtu	2.381	-0.567	<b>-</b> 1.438	<b>2</b> .405
WTI Crude	\$/Bbl	84.45	-2.860	-9.290	<b>1</b> 3.890
Brent Crude	\$/Bbl	90.62	-2.550	-9.600	<b>1</b> 6.260
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	<b>0.000</b>	<b>0.000</b>	▲ 0.000
Heating Oil	cents/Gallon	337.22	<b>-</b> 16.910	-46.970	<b>119.840</b>
Propane, Mt. Bel	cents/Gallon	1.03	-0.033	-0.066	<b>-</b> 0.243
Ethane, Mt. Bel	cents/Gallon	0.48	-0.031	-0.124	<b>a</b> 0.104
Coal, PRB	\$/MTon	12.30	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
Coal, PRB	\$/MMBtu	0.70			
Coal, ILB	\$/MTon	31.05	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
Coal, ILB	\$/MMBtu	1.32			

ENERGY

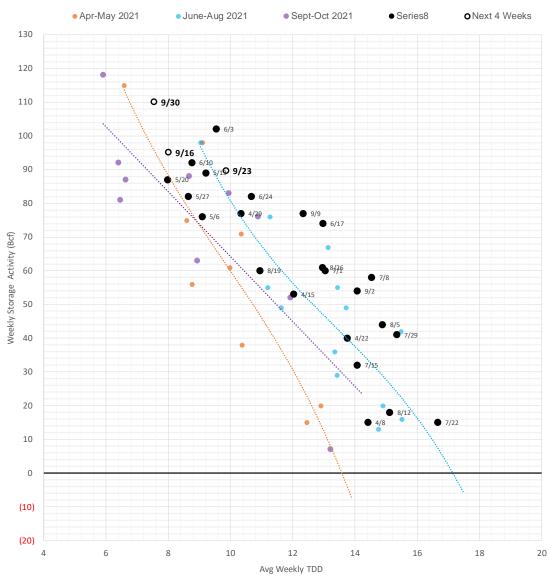




	OCT 22	NOV 22	<b>DEC 22</b>	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	<b>JUN 23</b>	JUL 23	AUG 23	SEP 23
Henry Hub	\$8.005	\$8.064	\$8.210	\$8.319	\$7.964	\$6.852	\$5.384	\$5.233	\$5.292	\$5.347	\$5.379	\$5.330
JKL	\$43.285	\$47.015	\$50.295	\$50.035	\$43.800	\$45.220	\$45.285	\$45.750	\$47.520	\$46.995	\$47.660	\$47.595
JKL-HHub	\$35.280	\$38.951	\$42.085	\$41.716	\$35.836	\$38.368	\$39.901	\$40.517	\$42.228	\$41.648	\$42.281	\$42.265
TTF	\$57.037	\$60.949	\$62.083	\$62.083	\$61.797	\$61.062	\$56.457	\$53.950	\$53.151	\$53.051	\$53.136	\$53.203
TTF-HHub	\$49.032	\$52.885	\$53.873	\$53.764	\$53.833	\$54.210	\$51.073	\$48.717	\$47.859	\$47.704	\$47.757	\$47.873
NBP	\$36.024	\$50.817	\$62.054	\$63.717	\$64.008	\$61.658	\$53.868	\$50.351	\$48.535	\$48.449	\$48.251	\$49.764
NBP-HHub	\$28.019	\$42.753	\$53.844	\$55.398	\$56.044	\$54.806	\$48.484	\$45.118	\$43.243	\$43.102	\$42.872	\$44.434

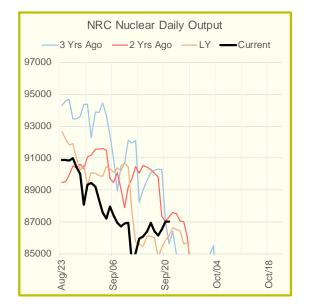


#### Weather Storage Model - Next 4 Week Forecast



Weather Storage Model - Next 4 Week Forecast

# **Market Report**



ENERGY

