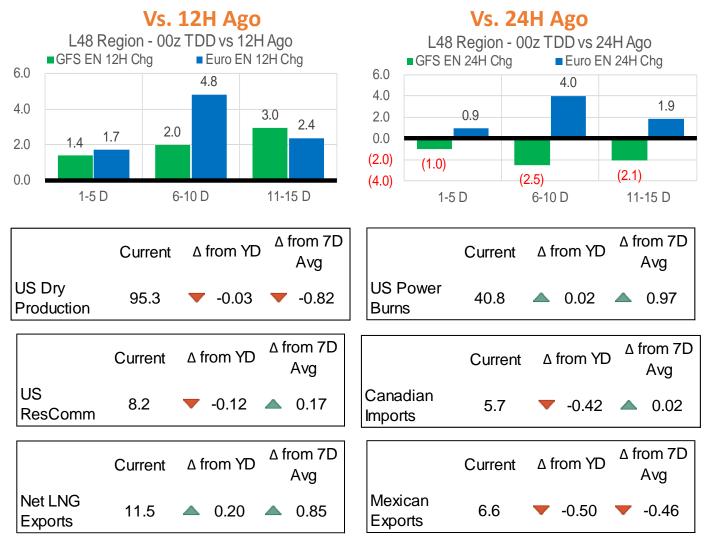


	Current	∆ from YD	∆ from 7D Avg
Brent Prompt	\$ 112.14	▼\$ (2.67)	5

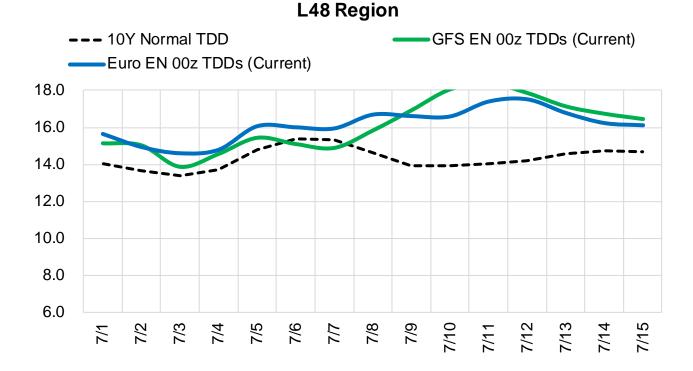
### Page Menu

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

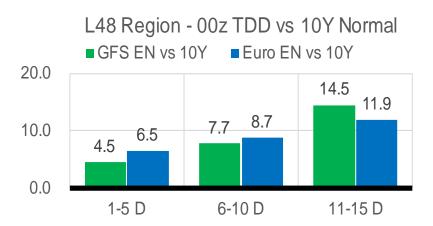




### Short-term Weather Model Outlooks (00z)



# Vs. 10Y Normal



Source: WSI, Bloomberg

ENERGY

### 1 July 2022

#### **Daily Balances**

	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	30-Jun	1-Jul	DoD	vs. 7D
Lower 48 Dry Production	96.9	96.7	96.5	95.8	95.5	95.4	95.3	▼ 0.0	▼ -0.8
Canadian Imports	5.4	5.6	5.6	5.8	5.8	6.1	5.7	▼ -0.4	▼ 0.0
L48 Power	39.5	39.0	39.8	39.0	40.2	40.8	40.8	<b>0</b> .0	<b>A</b> 1.1
L48 Residential & Commercial	7.8	7.9	8.2	8.1	8.0	8.3	8.2	<b>T</b> -0.1	<b>a</b> 0.2
L48 Industrial	19.0	19.0	19.1	19.1	19.1	19.3	19.4	<b>0.2</b>	<b>a</b> 0.3
L48 Lease and Plant Fuel	5.2	5.2	5.2	5.2	5.2	5.2	5.1	▼ 0.0	<b>V</b> -0.1
L48 Pipeline Distribution	2.6	2.6	2.6	2.6	2.6	2.7	2.6	▼ -0.1	<b>0</b> .0
L48 Regional Gas Consumption	74.1	73.6	74.9	73.9	75.2	76.2	76.1	▼ 0.0	<b>1.5</b>
Net LNG Delivered	10.31	10.43	10.61	11.02	10.46	11.29	11.49	<b>0.2</b>	<b>0.8</b>
Total Mexican Exports	7.0	6.9	6.9	7.2	7.1	7.1	6.6	<b>-0.5</b>	<b>v</b> -0.5
Implied Daily Storage Activity EIA Reported Daily Storage Activity Daily Model Error	10.9	11.4	9.6	9.5	8.6	6.9	6.8		

Lower 48 Component Models

Daily Model Error

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

	27-May	3-Jun	10-Jun	17-Jun	24-Jun	1-Jul	WoW	vs. 4W
Lower 48 Dry Production	96.2	96.9	96.4	96.0	95.9	96.2	<b>0.3</b>	▼-0.1
Canadian Imports	4.9	4.8	5.4	6.1	5.6	5.7	<b>0.1</b>	<b>0.2</b>
L48 Power	30.0	30.3	32.3	37.8	37.4	39.8	<b>2</b> .4	<b>5</b> .3
L48 Residential & Commercial	11.6	9.1	8.6	8.3	8.4	8.0	▼ -0.4	<b>-</b> 0.6
L48 Industrial	20.8	21.4	21.3	21.3	19.8	19.8	▲ 0.0	<b>T</b> -1.1
L48 Lease and Plant Fuel	5.2	5.2	5.2	5.2	5.2	5.2	▲ 0.0	▼ 0.0
L48 Pipeline Distribution	2.4	2.2	2.2	2.5	2.5	2.6	<b>A</b> 0.1	<b>a</b> 0.2
L48 Regional Gas Consumption	70.0	68.3	69.7	75.1	73.3	75.5	<b>2.1</b>	<b>3.8</b>
Net LNG Exports	13.0	12.8	12.3	10.7	10.6	10.6	<b>0.0</b>	<b>-0.9</b>
Total Mexican Exports	7.0	7.1	7.1	7.2	7.0	7.0	<b>0.1</b>	▼ 0.0
Implied Daily Storage Activity	11.0	13.6	12.7	9.1	10.5	8.7	-1.8	
EIA Reported Daily Storage Activity	11.7	14.6	13.1	10.6	11.7			
Daily Model Error	-0.7	-1.0	-0.4	-1.5	-1.2			

#### **Monthly Balances**

2Yr Ago	LY					MTD		
Jul-20	Jul-21	Feb-22	Mar-22	Apr-22	May-22	Jun-22	МоМ	vs. LY
89.0	93.5	92.7	93.5	96.0	96.0	96.1	<b>0.1</b>	<b>2.7</b>
4.4	5.2	6.5	5.2	5.8	5.1	5.6	<b>a</b> 0.5	<b>0.5</b>
43.8	39.7	28.7	25.4	24.7	28.9	36.6	<b>A</b> 7.8	▼ -3.0
7.9	8.1	43.3	31.5	22.5	12.3	8.4	▼ -3.9	<b>0.3</b>
20.1	20.8	22.0	19.7	21.5	21.1	20.5	<b>-</b> 0.6	<b>V</b> -0.3
4.9	5.1	5.1	5.2	5.2	5.2	5.2	<b>a</b> 0.0	<b>A</b> 0.1
2.6	2.5	3.5	2.9	2.6	2.3	2.5	<b>A</b> 0.1	<b>T</b> -0.1
79.3	76.2	102.6	84.7	76.6	69.8	73.2	<b>3.4</b>	▼ -3.0
3.3	10.8	12.4	12.9	12.3	12.5	11.2	▼-1.3	<b>0.4</b>
5.9	7.1	6.2	6.5	6.7	7.0	7.1	<b>A</b> 0.1	▲ 0.0
4.9	4.6	-22.1	-5.4	6.2	11.8	10.4		
	Jul-20 89.0 4.4 43.8 7.9 20.1 4.9 2.6 79.3 3.3 5.9	Jul-20 Jul-21   89.0 93.5   4.4 5.2   43.8 39.7   7.9 8.1   20.1 20.8   4.9 5.1   2.6 2.5   79.3 76.2   3.3 10.8   5.9 7.1	Jul-20 Jul-21 Feb-22   89.0 93.5 92.7   4.4 5.2 6.5   43.8 39.7 28.7   7.9 8.1 43.3   20.1 20.8 22.0   4.9 5.1 5.1   2.6 2.5 3.5   79.3 76.2 102.6   3.3 10.8 12.4   5.9 7.1 6.2	Jul-20 Jul-21 Feb-22 Mar-22   89.0 93.5 92.7 93.5   4.4 5.2 6.5 5.2   43.8 39.7 28.7 25.4   7.9 8.1 43.3 31.5   20.1 20.8 22.0 19.7   4.9 5.1 5.1 5.2   2.6 2.5 3.5 2.9   79.3 76.2 102.6 84.7   3.3 10.8 12.4 12.9   5.9 7.1 6.2 6.5	Jul-20 Jul-21 Feb-22 Mar-22 Apr-22   89.0 93.5 92.7 93.5 96.0   4.4 5.2 6.5 5.2 5.8   43.8 39.7 28.7 25.4 24.7   7.9 8.1 43.3 31.5 22.5   20.1 20.8 22.0 19.7 21.5   4.9 5.1 5.1 5.2 5.2   2.6 2.5 3.5 2.9 2.6   79.3 76.2 102.6 84.7 76.6   3.3 10.8 12.4 12.9 12.3   5.9 7.1 6.2 6.5 6.7	Jul-20 Jul-21 Feb-22 Mar-22 Apr-22 May-22   89.0 93.5 92.7 93.5 96.0 96.0   4.4 5.2 6.5 5.2 5.8 5.1   43.8 39.7 28.7 25.4 24.7 28.9   7.9 8.1 43.3 31.5 22.5 12.3   20.1 20.8 22.0 19.7 21.5 21.1   4.9 5.1 5.1 5.2 5.2 5.2   2.6 2.5 3.5 2.9 2.6 2.3   79.3 76.2 102.6 84.7 76.6 69.8   3.3 10.8 12.4 12.9 12.3 12.5   5.9 7.1 6.2 6.5 6.7 7.0	Jul-20 Jul-21 Feb-22 Mar-22 Apr-22 May-22 Jun-22   89.0 93.5 92.7 93.5 96.0 96.0 96.1   4.4 5.2 6.5 5.2 5.8 5.1 5.6   43.8 39.7 28.7 25.4 24.7 28.9 36.6   7.9 8.1 43.3 31.5 22.5 12.3 8.4   20.1 20.8 22.0 19.7 21.5 21.1 20.5   4.9 5.1 5.1 5.2 5.2 5.2 5.2   2.6 2.5 3.5 2.9 2.6 2.3 2.5   79.3 76.2 102.6 84.7 76.6 69.8 73.2   3.3 10.8 12.4 12.9 12.3 12.5 11.2   5.9 7.1 6.2 6.5 6.7 7.0 7.1	Jul-20 Jul-21 Feb-22 Mar-22 Apr-22 May-22 Jun-22 Mom   89.0 93.5 92.7 93.5 96.0 96.0 96.1 ▲ 0.1   4.4 5.2 6.5 5.2 5.8 5.1 5.6 ▲ 0.5   43.8 39.7 28.7 25.4 24.7 28.9 36.6 ▲ 7.8   7.9 8.1 43.3 31.5 22.5 12.3 8.4 ▼-3.9   20.1 20.8 22.0 19.7 21.5 21.1 20.5 ▼-0.6   4.9 5.1 5.1 5.2 5.2 5.2 ▲ 0.1   20.6 2.5 3.5 2.9 2.6 2.3 2.5 ▲ 0.1   2.6 2.5 3.5 2.9 2.6 2.3 2.5 ▲ 0.1   79.3 76.2 102.6 84.7 76.6 69.8 73.2 ▲ 3.4   3.3 10.8 12.4 12.9 12.3

Source: Bloomberg, analytix.ai

# **Daily** Average Generation Data

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

ENERGY

	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	DoD	vs.7D
NRC Nuclear Daily Output	90.1	90.3	87.3	87.9	88.1	88.5	90.0	1.5	1.3
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	14.8	14.6	17.6	17.0	16.8	16.4	14.9	-1.5	-1.3
NRC % Nuclear Cap Utilization	91.6	91.8	88.8	89.4	89.6	89.9	91.5	1.5	1.3

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

	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	DoD	vs.7D
CALI Wind	2048	2048	2048	2048	2048	2048	2048	0	0
TEXAS Wind	22879	22879	22879	22879	22879	22879	22879	0	0
US Wind	63443	63443	63443	63443	63443	63443	63443	0	0

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

EIA 930 data is not being updated. EIA experiencing some issues.

1 July 2022

	23-Jun	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun	DoD	vs.7D
US Wind	63443	63443	63443	63443	63443	63443	63443	0	0
US Solar	19728	19728	19728	19728	19728	19728	19728	0	0
US Petroleum	1333	1333	1333	1333	1333	1333	1333	0	0
US Other	9775	9775	9775	9775	9775	9775	9775	0	0
US Coal	119543	119543	119543	119543	119543	119543	119543	0	0
US Nuke	90696	90696	90696	90696	90696	90696	90696	0	0
US Hydro	39690	39690	39690	39690	39690	39690	39690	0	0
US Gas	220700	220700	220700	220700	220700	220700	220700	0	0

# See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

# Storage Week Average Generation Data

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

	27-May	3-Jun	10-Jun	17-Jun	24-Jun	1-Jul	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	84.2	86.2	88.3	88.2	89.0	88.9	-0.1	0.0
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	20.6	18.7	16.6	16.7	15.9	16.0	0.1	
NRC % Nuclear Cap Utilization	85.7	87.6	89.8	89.7	90.5	90.4	-0.1	

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

	27-May	3-Jun	10-Jun	17-Jun	24-Jun	1-Jul	WoW	WoW Bcf/d Impact
CALI Wind	2798	3268	3842	3032	2048	2048	0	0.0
TEXAS Wind	14010	17915	12449	20462	22879	22879	0	0.0
US Wind	50129	57939	37417	57090	63443	63443	0	0.0
							0%	

#### Ge

Generation Weekly Average - N	EIA 930 data is not being updated. EIA experiencing							
						some issue	es.	loW
	27-May	3-Jun	10-Jun	17-Jun	24-Jun	1-Jul	WoW	Bcf/d
								Impact
US Wind	50129	57939	37417	57090	63443	63443	0	0.0
US Solar	17534	18656	18807	18731	19728	19728	0	0.0
US Petroleum	448	863	968	1244	1333	1333	0	0.0
US Other	7684	7866	8001	8688	9775	9775	0	0.0
US Coal	88570	89706	95415	106566	119543	119543	0	0.0
US Nuke	88016	89728	91641	91235	90696	90696	0	0.0
US Hydro	33772	35051	36328	37495	39690	39690	0	0.0
US Gas	160070	163383	178204	201845	220700	220700	0	0.0

# See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

0.0



# Monthly Average Generation Data

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

	2Yr Ago	LY				MTD			
	Same 30 days	Same 30 days	Mar-22	Apr-22	May-22	Jun-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
NRC Nuclear Daily Output	90.4	88.7	81.3	73.3	81.7	87.8	88.6	6.2	-0.1
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	14.5	16.2	23.6	31.6	23.2	17.1	16.3	-6.2	0.1
NRC % Nuclear Cap Utilization	91.9	90.2	82.7	74.5	83.0	89.3	90.1	6.3	-0.1

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

	2Yr Ago	LY				MTD			
	Same 30 days	Same 30 days	Mar-22	Apr-22	May-22	Jun-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
CALI Wind	2602	2909	2250	3186	3361	1603	2739	-1758	-170
TEXAS Wind	11750	9727	14837	16311	16756	14995	19335	-1761	9608
US Wind	41327	37628	58528	64183	56462	41942	54731	-14520	17103

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

	2Yr Ago	LY				MTD			
	Same 30 days	Same 30 days	Mar-22	Apr-22	May-22	Jun-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
US Wind	41327	37628	58528	64183	56462	41942	54731	<b>12789.2</b>	<b>A</b> 17103
US Solar	11785	14495	14061	16296	18186	20099	19204	▼ -895.4	<b>4709</b>
US Petroleum	884	1001	985	985	518	1005	1215	<b>A</b> 211	<b>214</b>
US Other	8426	8270	7206	7386	7724	8329	9042	<b>A</b> 713	<b>A</b> 773
US Coal	92708	122694	82290	77545	85273	102773	110265	<b>4</b> 7492	▼-12429
US Nuke	93938	92114	85256	77217	85496	91515	91046	🔽 -469	▼ -1068
US Hydro	36755	32582	33959	29022	31369	36067	38274	<b>2207</b>	<b>5692</b>
US Gas	188495	193456	137232	133068	157565	196246	205483	<b>A</b> 22047	<b>A</b> 12027
US Total	472983	502525	419838	406223	443965	502315	532640	<b>A</b> 31304	<b>a</b> 30115



# See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

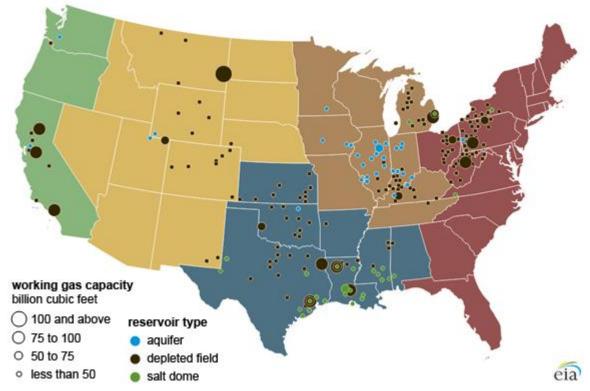


### Regional S/D Models Storage Projection

Week Ending	1-Jul			
	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	9.6	0.1	9.7	68
East	1.0	2.1	3.1	22
Midwest	5.0	-1.4	3.6	25
Mountain	4.7	-3.9	0.8	6
South Central	-2.8	4.2	1.4	10
Pacific	1.6	-0.9	0.8	5

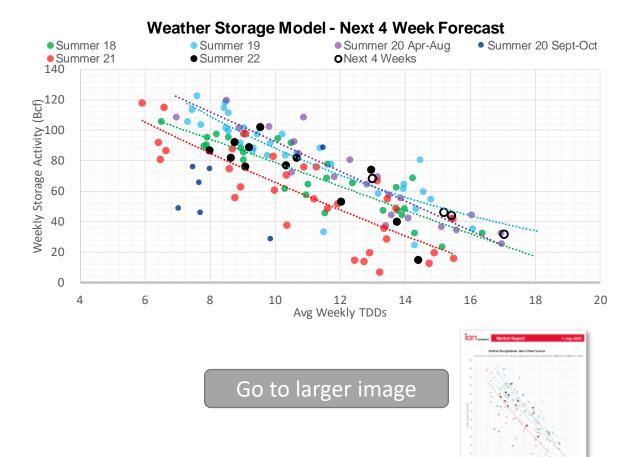
\*Adjustment Factor is calcuated based on historical regional deltas

### 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
01-Jul	13.0	68
08-Jul	15.2	46
15-Jul	17.1	31
22-Jul	15.4	44



120

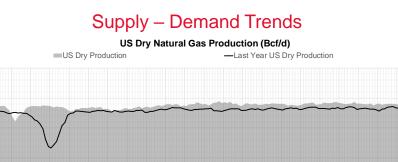
100

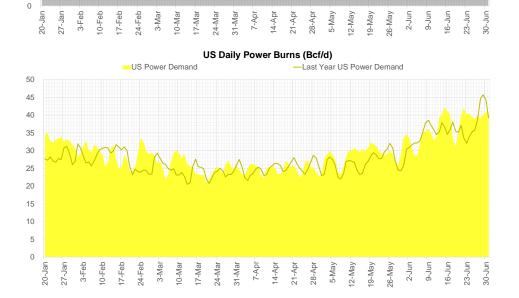
80

60

40

20

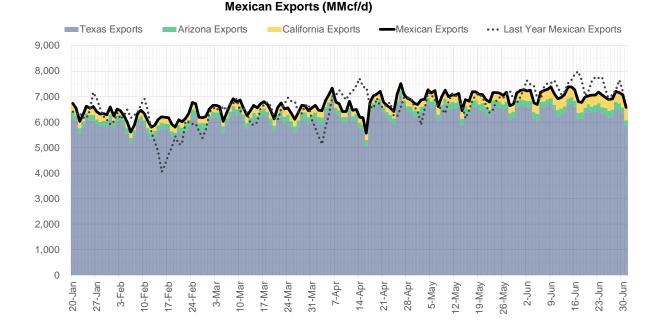


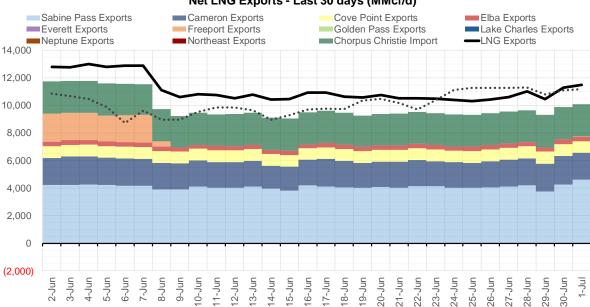


US Daily ResCom Consumption(Bcf/d) US ResCom Demand -Last Year US ResCom Demand 70 60 50 40 30 20 10 0 20-Jan 27-Jan 3-Feb 10-Feb 17-Feb 24-Feb 16-Jun 23-Jun 30-Jun 17-Mar 7-Apr 14-Apr 21-Apr 28-Apr 2-Jun 9-Jun 3-Mar 24-Mar 31-Mar 5-May 12-May 19-May 26-May 10-Mar

Source: Bloomberg







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

Source: Bloomberd

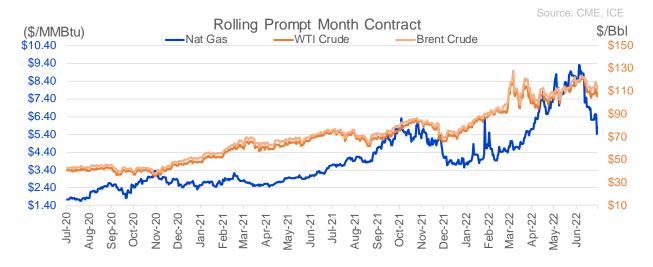


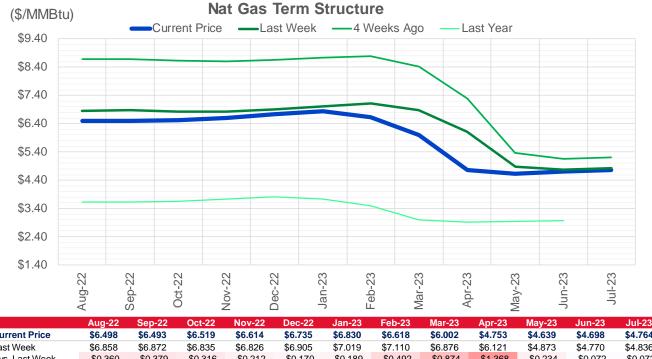
### Nat Gas Options Volume and Open Interest CME and ICE Combined

CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
8	2022	Р	5.00	9151	8	2022	С	10.00	41863
8	2022	С	7.00	3480	8	2022	С	12.00	38204
8	2022	Р	5.50	3439	10	2022	С	6.00	35600
3	2023	С	6.00	3170	8	2022	С	10.50	30510
2	2023	С	6.00	3134	10	2022	Р	6.00	24271
3	2023	С	5.00	3130	10	2022	Р	3.00	23928
1	2023	С	6.00	3125	9	2022	С	6.00	23732
1	2023	С	5.00	3100	10	2022	С	5.00	23365
2	2023	С	5.00	3100	8	2022	С	7.00	22322
8	2022	Р	6.00	2888	8	2022	Р	6.00	22040
3	2023	С	10.00	2605	8	2022	С	12.10	22003
10	2022	Р	3.00	2429	9	2022	С	10.00	21500
8	2022	С	8.00	2377	10	2022	Р	3.50	20685
8	2022	С	7.50	2126	10	2022	Р	2.50	19851
9	2022	Р	5.00	2019	8	2022	С	6.00	19756
10	2022	Р	2.00	2000	9	2022	Р	4.00	19485
3	2023	Р	3.00	1990	5	2023	Р	2.00	19352
8	2022	Р	5.25	1987	8	2022	С	8.00	18911
9	2022	Р	5.50	1965	8	2022	С	9.00	18532
10	2022	Р	4.00	1939	1	2023	С	10.00	18404
8	2022	С	9.50	1936	3	2023	С	10.00	18372
8	2022	Р	4.50	1932	9	2022	С	7.00	18247
8	2022	С	8.50	1805	12	2022	С	5.00	18221
8	2022	Р	4.75	1801	10	2022	Р	2.00	17308
8	2022	С	6.75	1738	8	2022	Р	7.00	17206
8	2022	Р	6.50	1613	10	2023	P	2.00	16730
8	2022	С	6.50	1482	2	2023	С	10.00	16049
9	2022	С	12.00	1430	10 9	2022	P	4.00	15971
8	2022	C	10.00	1401		2022 2022	C C	4.00	15970
8	2022	Р	7.00	1347	10	2022	P	10.00	15756
8	2022	С	7.10	1341	8 10	2022	P	5.50	15737
9	2022	Р	6.00	1332	10	2022	P	5.00 5.00	15516 15421
9	2022	С	7.00	1322	9	2022	P	5.00 2.50	15421
8	2022	Р	7.10	1201	9	2022	P	3.00	15295
8	2022	С	10.50	1156	8	2022	P	5.00	15014
8	2022	P	5.55	1127	8	2022	P	3.00	14914
10	2022	Р	6.00	1125	9	2022	P	2.75	14887
8	2022	С	5.75	1093	10	2022	P	3.25	14398
8	2022	С	9.00	1081	10	2022	C	8.00	14357
1	2023	C	4.00	1020	10	2022	P	3.00	14205
2	2023	C	4.00	1020	4	2023	P	3.00	14082
3	2023	C	4.00	1020	12	2023	C	6.00	13921
3	2023	C	9.00	1015	8	2022	P	4.00	13742
10	2022	c	9.00	1013	10	2022	C	7.00	13627
11	2022	P	4.00	1002	9	2022	c	9.00	13386
2	2023	C	8.00	1000	10	2022	c	4.00	13308
2	2023	č	9.00	1000	8	2022	c	3.00	13226
8	2022	P	6.45	998	9	2022	c	3.00	13225
8	2022	P	6.15	973	10	2022			
							Source	e: CME, ICE	

### Nat Gas Futures Open Interest CME and ICE Combined

CME Henry H	lub Futures (1)	0,000 MMBt		ICE Henry	Hub Futures Cont	tract Equiva	alent (10,000 MM			
	Current	Prior	Daily Change		Current	Prior	Daily Change			
AUG 22	103824	102482	1342	AUG 22	78296	76982	1314			
SEP 22	141033	142464	-1431	SEP 22	79303	78861	442			
OCT 22	95600	96345	-745	OCT 22	73286	73299	-14			
NOV 22	55584	54931	653	NOV 22	60362	59940	422			
DEC 22	54218	52409	1809	DEC 22	64603	64683	-80			
JAN 23	60657	61940	-1283	JAN 23	64461	65678	-1217			
FEB 23	30982	30670	312	FEB 23	53853	53430	423			
MAR 23	48677	48240	437	MAR 23	50304	51302	-998			
APR 23	68196	67372	824	APR 23	50170	51304	-1134			
MAY 23	57980	58574	-594	MAY 23	51161	50845	316			
JUN 23	21227	21628	-401	JUN 23	44373	44441	-69			
JUL 23	22883	24073	-1190	JUL 23	44055	43979	76			
AUG 23	15334	15816	-482	AUG 23	42946	42990	-45			
SEP 23	16196	16635	-439	SEP 23	42059	42277	-219			
OCT 23	39122	38496	626	OCT 23	49332	49790	-458			
NOV 23	12283	12441	-158	NOV 23	44435	44309	126			
DEC 23	12192	12287	-95	DEC 23	40353	40480	-127			
JAN 24	18294	18221	73	JAN 24	39509	39457	52			
FEB 24	7808	7175	633	FEB 24	28435	28374	61			
MAR 24	16022	15667	355	MAR 24	32926	32921	5			
APR 24	12904	13770	-866	APR 24	27541	27197	343			
MAY 24	6145	6201	-56	MAY 24	26367	26241	126			
JUN 24	2262	2216	46	JUN 24	23329	23132	197			
JUL 24	1965	1945	20	JUL 24	23255	23066	190			
AUG 24	3013	3005	8	AUG 24	23591	23409	182			
SEP 24	1397	1385	12	SEP 24	23027	22856	171			
OCT 24	7188	6921	267	OCT 24	25716	25644	72			
NOV 24	4571	4558	13	NOV 24	24254	24161	93			
DEC 24	7156	7119	37	DEC 24	26165	26272	-107			
JAN 25	13394	13174	220	JAN 25	17522	18053	-531			





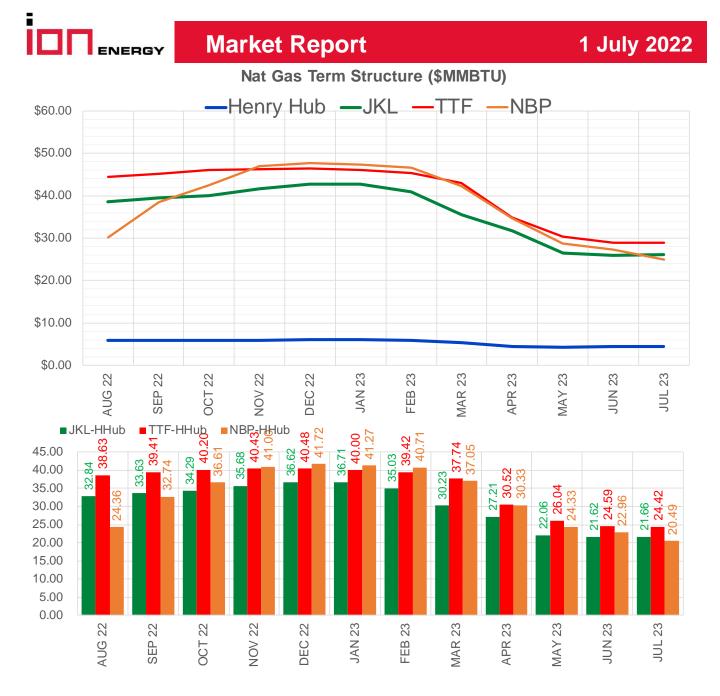
Current Price	<b>0.490</b>	<b>\$0.495</b>	\$0.519	<b>\$0.014</b>	<b>\$0.735</b>	<b>40.030</b>	<b>\$0.010</b>	\$0.00Z	<b>\$4.755</b>	<b><b></b></b>	<b><b></b></b>	<b>φ4.704</b>
Last Week	\$6.858	\$6.872	\$6.835	\$6.826	\$6.905	\$7.019	\$7.110	\$6.876	\$6.121	\$4.873	\$4.770	\$4.836
vs. Last Week	-\$0.360	-\$0.379	-\$0.316	-\$0.212	-\$0.170	-\$0.189	-\$0.492	-\$0.874	-\$1.368	-\$0.234	-\$0.072	-\$0.072
4 Weeks Ago	\$8.696	\$8.686	\$8.643	\$8.614	\$8.657	\$8.726	\$8.797	\$8.426	\$7.277	\$5.361	\$5.162	\$5.214
vs. 4 Weeks Ago	-\$2.198	-\$2.193	-\$2.124	-\$2.000	-\$1.922	-\$1.896	-\$2.179	-\$2.424	-\$2.524	-\$0.722	-\$0.464	-\$0.450
Last Year	\$3.650	\$3.624	\$3.619	\$3.658	\$3.743	\$3.807	\$3.725	\$3.488	\$2.998	\$2.917	\$2.943	\$2.977
vs. Last Year	\$2.848	\$2.869	\$2.900	\$2.956	\$2.992	\$3.023	\$2.893	\$2.514	\$1.755	\$1.722	\$1.755	\$1.787

	Unite	Cash	Prompt	Cash to
	Units	Settled	Settle	Prompt
AGT Citygate	\$/MMBtu	6.59	6.00	-0.59
TETCO M3	\$/MMBtu	5.78	5.65	-0.13
FGT Zone 3	\$/MMBtu	6.46	6.77	0.31
Zone 6 NY	\$/MMBtu	6.46	5.62	-0.84
Chicago Citygate	\$/MMBtu	6.07	6.01	-0.06
Michcon	\$/MMBtu	6.29	5.92	-0.37
Columbia TCO Pool	\$/MMBtu	5.59	5.48	-0.12
Ventura	\$/MMBtu	5.95	5.88	-0.07
Rockies/Opal	\$/MMBtu	6.41	5.69	-0.72
El Paso Permian Basin	\$/MMBtu	5.92	5.43	-0.49
Socal Citygate	\$/MMBtu	6.39	6.49	0.10
Malin	\$/MMBtu	6.02	5.91	-0.11
Houston Ship Channel	\$/MMBtu	6.30	5.91	-0.39
Henry Hub Cash	\$/MMBtu	6.50	5.84	-0.66
AECO Cash	C\$/GJ	4.50	4.99	0.49
Station2 Cash	C\$/GJ	4.79	5.51	0.72
Dawn Cash	C\$/GJ	6.21	6.01	-0.21

Source: CME, Bloomberg

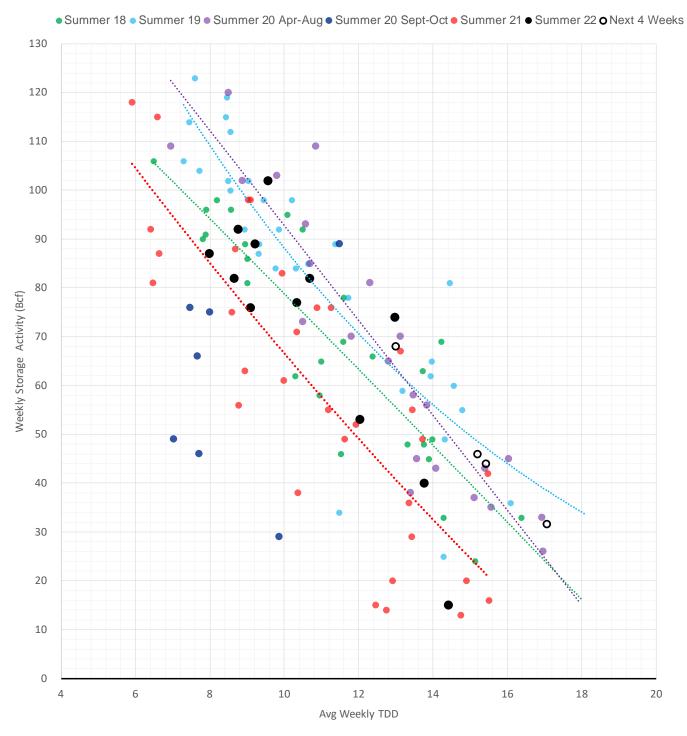


				vs. 4 Weeks	
	Units	<b>Current Price</b>	vs. Last Week	Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	<b>a</b> 0.000	<b>a</b> 0.000	<b>2.218</b>
NatGas Oct21/Nov21	\$/MMBtu	0.361	<b>a</b> 0.000	<b>a</b> 0.000	<b>a</b> 0.319
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	<b>0.000</b>	-2.008
NatGas Apr22/Oct22	\$/MMBtu	0.073	-0.880	-3.000	<b>a</b> 0.081
WTI Crude	\$/Bbl	105.76	<b>1</b> .490	<b>-</b> 11.110	<b>a</b> 30.530
Brent Crude	\$/Bbl	114.81	<b>4</b> .760	-2.800	<b>a</b> 38.970
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
Heating Oil	cents/Gallon	389.82	<b>-</b> 43.970	-31.020	<b>1</b> 74.200
Propane, Mt. Bel	cents/Gallon	1.21	<b>a</b> 0.004	-0.015	<b>a</b> 0.114
Ethane, Mt. Bel	cents/Gallon	0.65	<b>a</b> 0.010	<b>a</b> 0.007	<b>a</b> 0.344
Coal, PRB	\$/MTon	12.30	<b>a</b> 0.000	<b>0.000</b>	<b>0.000</b>
Coal, PRB	\$/MMBtu	0.70			
Coal, ILB	\$/MTon	31.05	<b>a</b> 0.000	<b>0.000</b>	<b>0.000</b>
Coal, ILB	\$/MMBtu	1.32			

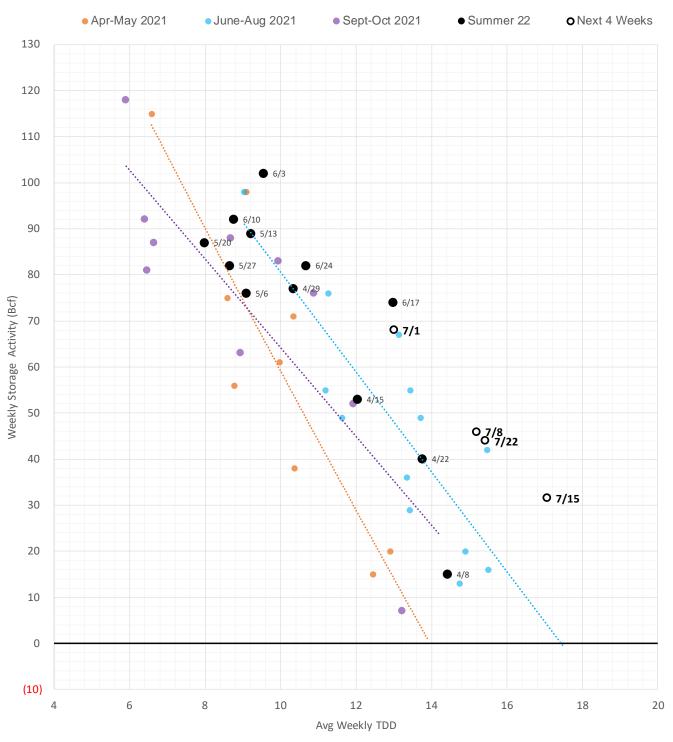


	AUG 22	SEP 22	<b>OCT 22</b>	NOV 22	<b>DEC 22</b>	<b>JAN 23</b>	FEB 23	MAR 23	APR 23	MAY 23	<b>JUN 23</b>	JUL 23
Henry Hub	\$5.823	\$5.787	\$5.806	\$5.905	\$6.030	\$6.091	\$5.905	\$5.245	\$4.406	\$4.313	\$4.371	\$4.423
JKL	\$38.660	\$39.415	\$40.095	\$41.580	\$42.645	\$42.805	\$40.930	\$35.475	\$31.620	\$26.375	\$25.995	\$26.085
JKL-HHub	\$32.837	\$33.628	\$34.289	\$35.675	\$36.615	\$36.714	\$35.025	\$30.230	\$27.214	\$22.062	\$21.624	\$21.662
TTF	\$44.456	\$45.194	\$46.005	\$46.333	\$46.509	\$46.089	\$45.320	\$42.986	\$34.927	\$30.357	\$28.959	\$28.843
TTF-HHub	\$38.633	\$39.407	\$40.199	\$40.428	\$40.479	\$39.998	\$39.415	\$37.741	\$30.521	\$26.044	\$24.588	\$24.420
NBP	\$30.182	\$38.528	\$42.419	\$46.906	\$47.751	\$47.358	\$46.612	\$42.298	\$34.739	\$28.642	\$27.327	\$24.910
NBP-HHub	\$24.359	\$32.741	\$36.613	\$41.001	\$41.721	\$41.267	\$40.707	\$37.053	\$30.333	\$24.329	\$22.956	\$20.487

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







Weather Storage Model - Next 4 Week Forecast

ENERGY

## 1 July 2022

