

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 8.00	▼ \$ (0.14)	▼ \$ (0.81)

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 86.79	▼ \$ (0.09)	▼ \$ (0.4)

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 92.66	▼ \$ (0.17)	▼ \$ (1.1)

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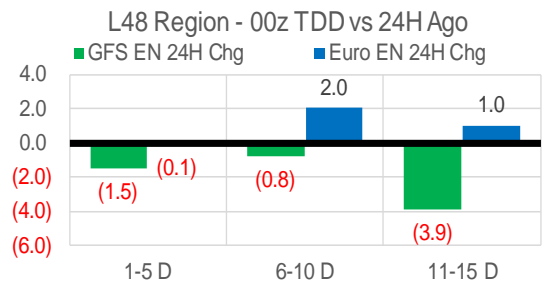
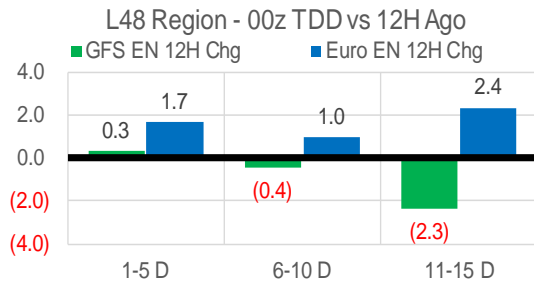
[Nat Gas Options Volume and Open Interest](#)

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### Vs. 12H Ago

### Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	98.9	▼ -1.97	▼ -1.48

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	39.1	▼ -2.28	▼ -1.56

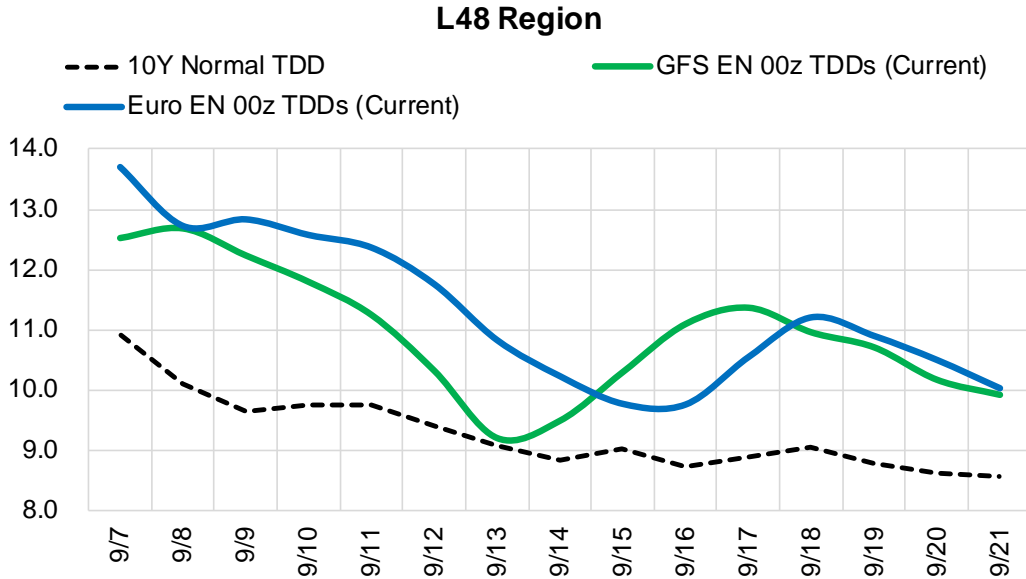
	Current	Δ from YD	Δ from 7D Avg
US ResComm	7.9	▼ -0.15	▼ -0.04

	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	5.8	▼ -0.14	▼ -0.08

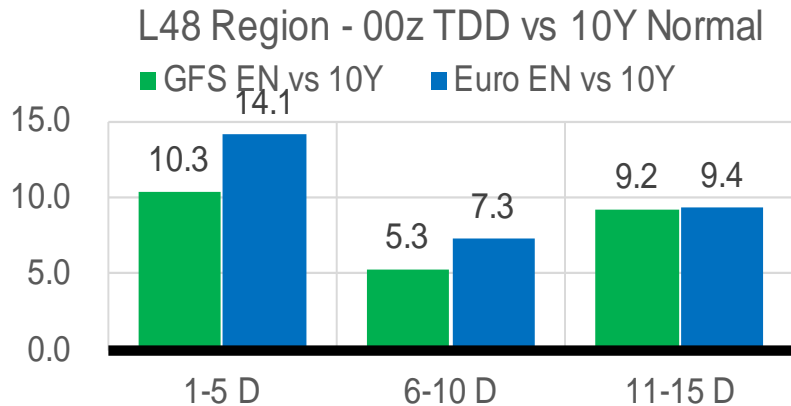
	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	11.2	▲ 0.07	▼ -0.04

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.7	▲ 0.06	▲ 0.08

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



## Vs. 10Y Normal



Source: WSI , Bloomberg

## Lower 48 Component Models

### Daily Balances

	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	7-Sep	DoD	vs. 7D
<b>Lower 48 Dry Production</b>	<b>99.8</b>	<b>100.5</b>	<b>100.9</b>	<b>100.8</b>	<b>100.6</b>	<b>100.9</b>	<b>98.9</b>	▼-2.0	▼-1.6
<b>Canadian Imports</b>	<b>5.7</b>	<b>5.5</b>	<b>6.0</b>	<b>6.1</b>	<b>6.1</b>	<b>5.9</b>	<b>5.8</b>	▼-0.1	▼-0.1
L48 Power	42.3	41.1	38.9	38.8	39.3	41.4	39.1	▼-2.3	▼-1.2
L48 Residential & Commercial	8.2	8.0	7.6	7.7	7.9	8.1	7.9	▼-0.2	▲0.0
L48 Industrial	21.7	21.9	21.9	21.8	21.8	21.9	21.6	▼-0.2	▼-0.2
L48 Lease and Plant Fuel	5.4	5.4	5.5	5.5	5.5	5.5	5.3	▼-0.1	▼-0.1
L48 Pipeline Distribution	2.8	2.7	2.6	2.6	2.6	2.7	2.6	▼-0.1	▼-0.1
<b>L48 Regional Gas Consumption</b>	<b>80.5</b>	<b>79.2</b>	<b>76.4</b>	<b>76.2</b>	<b>77.0</b>	<b>79.5</b>	<b>76.6</b>	▼-2.9	▼-1.5
<b>Net LNG Delivered</b>	<b>10.34</b>	<b>10.97</b>	<b>11.67</b>	<b>11.87</b>	<b>11.60</b>	<b>11.14</b>	<b>11.21</b>	▲0.1	▼-0.1
<b>Total Mexican Exports</b>	<b>6.7</b>	<b>6.6</b>	<b>6.5</b>	<b>6.2</b>	<b>6.6</b>	<b>6.6</b>	<b>6.7</b>	▲0.1	▲0.1
<b>Implied Daily Storage Activity</b>	<b>7.9</b>	<b>9.2</b>	<b>12.3</b>	<b>12.6</b>	<b>11.5</b>	<b>9.6</b>	<b>10.3</b>		
<b>EIA Reported Daily Storage Activity</b>									
<b>Daily Model Error</b>									

### EIA Storage Week Balances

	29-Jul	5-Aug	12-Aug	19-Aug	26-Aug	2-Sep	WoW	vs. 4W
<b>Lower 48 Dry Production</b>	<b>97.5</b>	<b>98.8</b>	<b>98.3</b>	<b>97.9</b>	<b>98.7</b>	<b>99.8</b>	▲1.1	▲1.4
<b>Canadian Imports</b>	<b>5.9</b>	<b>5.7</b>	<b>5.4</b>	<b>4.8</b>	<b>5.4</b>	<b>5.7</b>	▲0.3	▲0.4
L48 Power	44.6	44.1	45.5	39.6	41.2	42.0	▲0.8	▼-0.6
L48 Residential & Commercial	9.1	8.6	8.6	8.1	8.2	8.2	▼0.0	▼-0.2
L48 Industrial	19.1	20.4	21.2	21.3	21.0	21.7	▲0.7	▲0.7
L48 Lease and Plant Fuel	5.3	5.4	5.3	5.3	5.4	5.4	▲0.1	▲0.1
L48 Pipeline Distribution	2.9	2.8	2.9	2.5	2.6	2.7	▲0.1	▼0.0
<b>L48 Regional Gas Consumption</b>	<b>81.0</b>	<b>81.3</b>	<b>83.5</b>	<b>76.8</b>	<b>78.5</b>	<b>80.0</b>	▲1.6	▲0.0
<b>Net LNG Exports</b>	<b>10.7</b>	<b>10.9</b>	<b>10.9</b>	<b>10.9</b>	<b>11.1</b>	<b>10.9</b>	▼-0.2	▼-0.1
<b>Total Mexican Exports</b>	<b>6.9</b>	<b>6.9</b>	<b>7.0</b>	<b>7.0</b>	<b>6.9</b>	<b>6.8</b>	▼-0.1	▼-0.1
<b>Implied Daily Storage Activity</b>	<b>4.8</b>	<b>5.4</b>	<b>2.3</b>	<b>8.0</b>	<b>7.6</b>	<b>7.8</b>	<b>0.2</b>	
<b>EIA Reported Daily Storage Activity</b>	<b>5.9</b>	<b>6.3</b>	<b>2.6</b>	<b>8.6</b>	<b>8.7</b>			
<b>Daily Model Error</b>	<b>-1.1</b>	<b>-0.9</b>	<b>-0.3</b>	<b>-0.6</b>	<b>-1.1</b>			

### Monthly Balances

	2Yr Ago Sep-20	LY Sep-21	May-22	Jun-22	Jul-22	Aug-22	MTD Sep-22	MoM	vs. LY
<b>Lower 48 Dry Production</b>	<b>88.9</b>	<b>93.6</b>	<b>95.8</b>	<b>96.5</b>	<b>97.2</b>	<b>98.6</b>	<b>100.6</b>	▲2.0	▲7.0
<b>Canadian Imports</b>	<b>3.8</b>	<b>5.1</b>	<b>5.1</b>	<b>5.7</b>	<b>5.9</b>	<b>5.4</b>	<b>5.9</b>	▲0.5	▲0.8
L48 Power	34.4	33.1	29.8	38.0	43.7	42.5	40.3	▼-2.2	▲7.1
L48 Residential & Commercial	8.9	8.7	12.4	9.1	9.0	8.3	7.9	▼-0.4	▼-0.8
L48 Industrial	19.9	20.2	19.7	18.7	19.5	21.2	21.8	▲0.6	▲1.6
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	2.7	▼0.0	▲0.4
<b>L48 Regional Gas Consumption</b>	<b>70.4</b>	<b>69.5</b>	<b>69.5</b>	<b>73.7</b>	<b>80.2</b>	<b>80.1</b>	<b>78.2</b>	▼-2.0	▲8.6
<b>Net LNG Exports</b>	<b>5.9</b>	<b>10.3</b>	<b>12.5</b>	<b>11.2</b>	<b>10.9</b>	<b>11.0</b>	<b>11.3</b>	▲0.3	▲0.9
<b>Total Mexican Exports</b>	<b>6.1</b>	<b>6.7</b>	<b>7.0</b>	<b>7.1</b>	<b>7.0</b>	<b>6.9</b>	<b>6.5</b>	▼-0.4	▼-0.2
<b>Implied Daily Storage Activity</b>	<b>10.3</b>	<b>12.1</b>	<b>11.9</b>	<b>10.2</b>	<b>5.0</b>	<b>6.0</b>	<b>10.5</b>		
<b>EIA Reported Daily Storage Activity</b>									
<b>Daily Model Error</b>					<b>0.2</b>				

Source: Bloomberg, analytix.ai

## Daily Average Generation Data

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

	30-Aug	31-Aug	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	DoD	vs. 7D
NRC Nuclear Daily Output	89.3	89.4	89.2	88.4	87.6	87.2	87.9	0.8	-0.6
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	15.5	15.4	15.7	16.5	17.3	17.7	16.9	-0.8	0.6
NRC % Nuclear Cap Utilization	90.8	90.9	90.7	89.9	89.1	88.7	89.4	0.8	-0.6

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

	30-Aug	31-Aug	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	DoD	vs. 7D
CALI Wind	1383	1598	1545	2440	1512	935	836	-99	-733
TEXAS Wind	4912	2588	3353	5093	3186	3509	5082	1573	1309
US Wind	25993	23843	25054	31429	29315	24871	26490	1619	-260

### Generation Daily Average - MWh (EIA)

	30-Aug	31-Aug	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	DoD	vs. 7D
US Wind	25993	23843	25054	31429	29315	24871	26490	1619	-260
US Solar	16081	16419	15315	16034	15796	15538	15981	443	117
US Petroleum	1198	1109	755	1008	942	966	1004	38	8
US Other	10724	10150	9697	9745	9737	9377	9596	219	-309
US Coal	119199	115901	114856	111854	102342	98206	98748	542	-11645
US Nuke	91492	91770	91365	90597	89351	89038	90447	1408	-155
US Hydro	27987	28045	28213	27036	23896	23961	26788	2827	265
<b>US Gas</b>	<b>247524</b>	<b>245366</b>	<b>239482</b>	<b>231904</b>	<b>217392</b>	<b>210056</b>	<b>212805</b>	<b>2749</b>	<b>-19149</b>

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	36121	12558	-2.3
							53%	

### Generation Weekly Average - MWh (EIA)

	29-Jul	5-Aug	12-Aug	19-Aug	26-Aug	2-Sep	WoW	WoW Bcf/d Impact
							0.2	
							est.	
US Wind	44003	43887	32976	28474	23562	36121	12558	-2.3
US Solar	18098	17577	17568	16951	15881	16860	979	-0.2
US Petroleum	1465	1131	1737	1045	1047	1075	28	0.0
US Other	10690	10470	10725	9882	10331	10499	168	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	32210	31339	30400	30431	30472	27848	-2624	0.5
<b>US Gas</b>	<b>238167</b>	<b>236187</b>	<b>252451</b>	<b>218061</b>	<b>226873</b>	<b>232137</b>	<b>5264</b>	<b>0.9</b>

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Monthly Average Generation Data

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

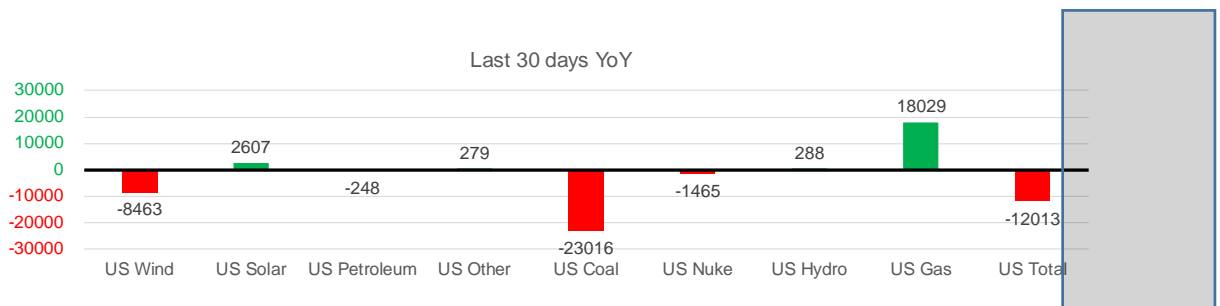
	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Jun-22	Jul-22	Aug-22	Sep-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	NRC Nuclear Daily Output	90.5	91.4	88.6	90.6	90.5	87.9	90.0	-2.7
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	104.9	0.0	0.0
NRC Nuclear Outage	14.4	13.5	16.3	14.3	14.3	17.0	14.9	2.7	1.4
NRC % Nuclear Cap Utilization	92.0	92.9	90.1	92.1	92.1	89.4	91.5	-2.7	-1.4

### 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	1803	2274	2892	2719	2028	1277	1852	-751
TEXAS Wind	8210	9928	13378	11765	8440	4341	6054	-4099	-3873
US Wind	31303	36843	46918	39701	33218	27163	28379	-6055	-8463

### 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	31303	36843	46918	39701	33218	27163	28379	▲ 1216.6
US Solar	10417	13844	19381	18593	16957	15804	16451	▲ 647.1	▲ 2607
US Petroleum	1079	1382	1001	1252	1253	955	1134	▲ 179	▼ -248
US Other	9492	9896	8575	9961	10412	9621	10175	▲ 554	▲ 279
US Coal	123676	134858	105517	119788	117145	103358	111842	▲ 8485	▼ -23016
US Nuke	92750	93964	89978	92883	92969	90242	92500	▲ 2258	▼ -1465
US Hydro	29072	28700	37531	34185	30078	26210	28988	▲ 2778	▲ 288
<b>US Gas</b>	<b>216129</b>	<b>208991</b>	<b>200787</b>	<b>235788</b>	<b>233542</b>	<b>219607</b>	<b>227020</b>	<b>▲ 16117</b>	<b>▲ 18029</b>
<b>US Total</b>	<b>511699</b>	<b>528300</b>	<b>509261</b>	<b>551806</b>	<b>535402</b>	<b>492515</b>	<b>516286</b>	<b>▲ 31016</b>	<b>▼ -12013</b>



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

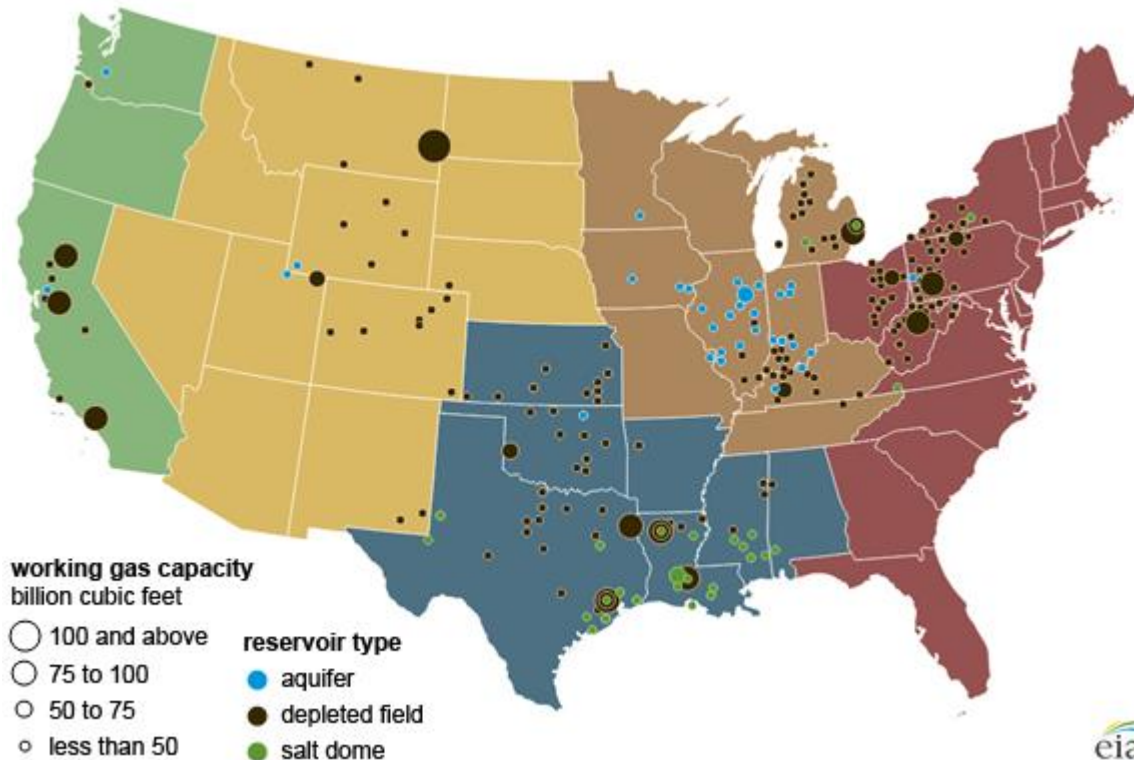
## Regional S/D Models Storage Projection

Week Ending 2-Sep

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	8.7	0.1	8.8	61
East	1.0	1.7	2.7	19
Midwest	4.3	-0.2	4.1	28
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 calculated based on historical regional deltas

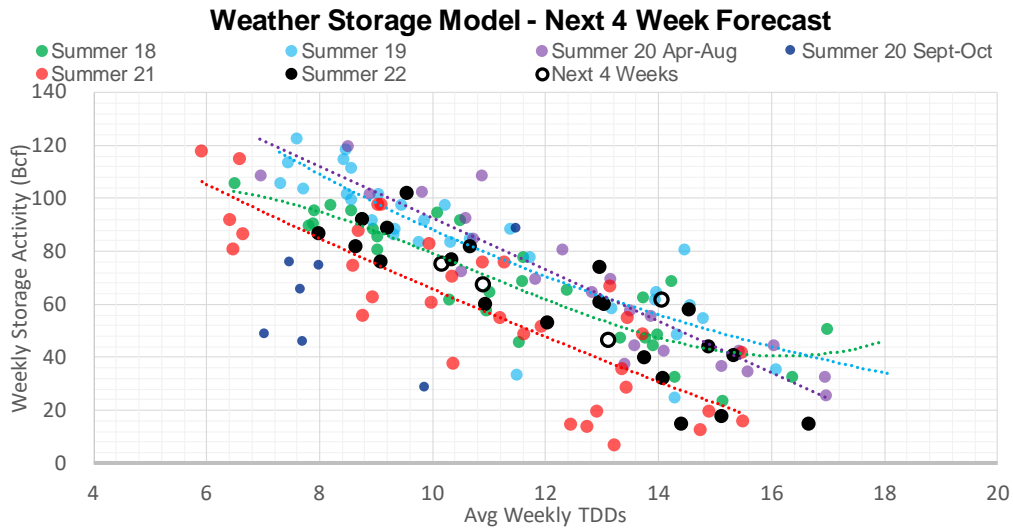
U.S. underground natural gas storage facilities by type (July 2015)



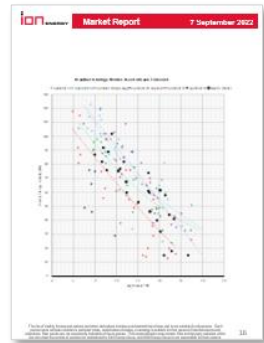
## Weather Model Storage Projection

Next report and beyond

Week Ending	GWDDs	Week Storage Projection
02-Sep	14.1	61
09-Sep	13.1	46
16-Sep	10.9	67
23-Sep	10.2	75

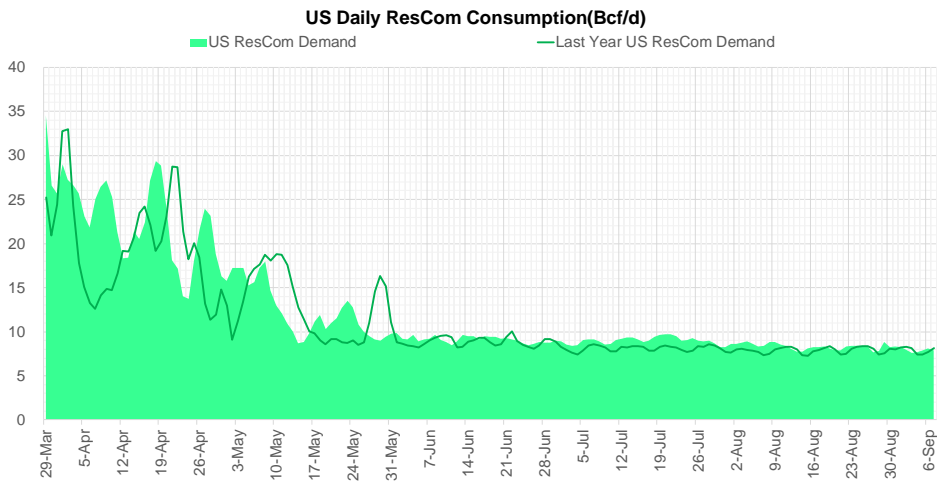
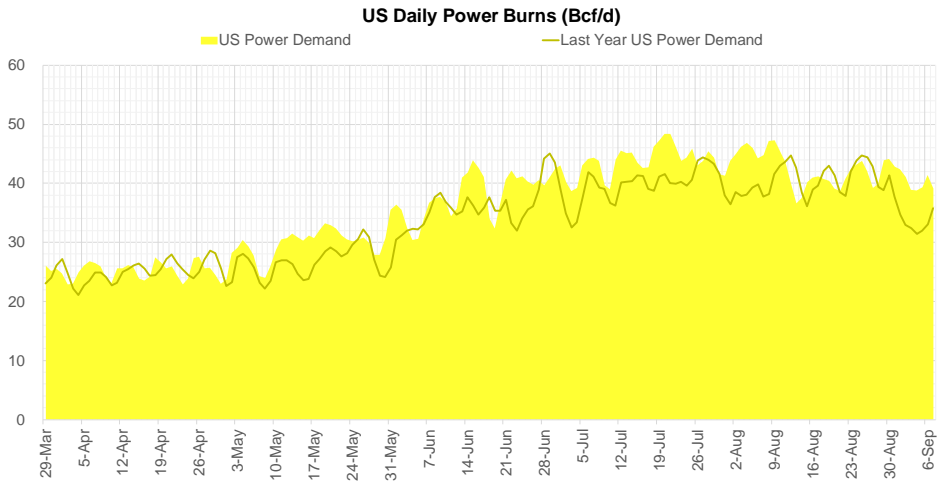
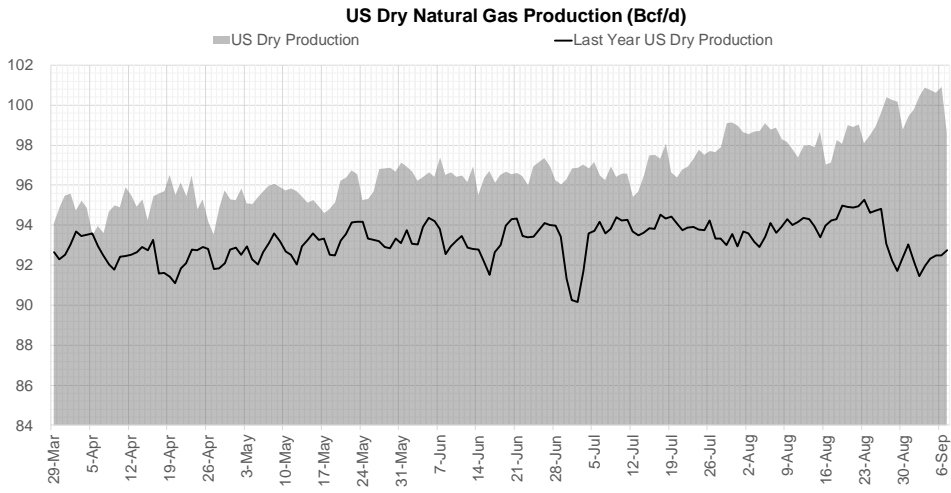


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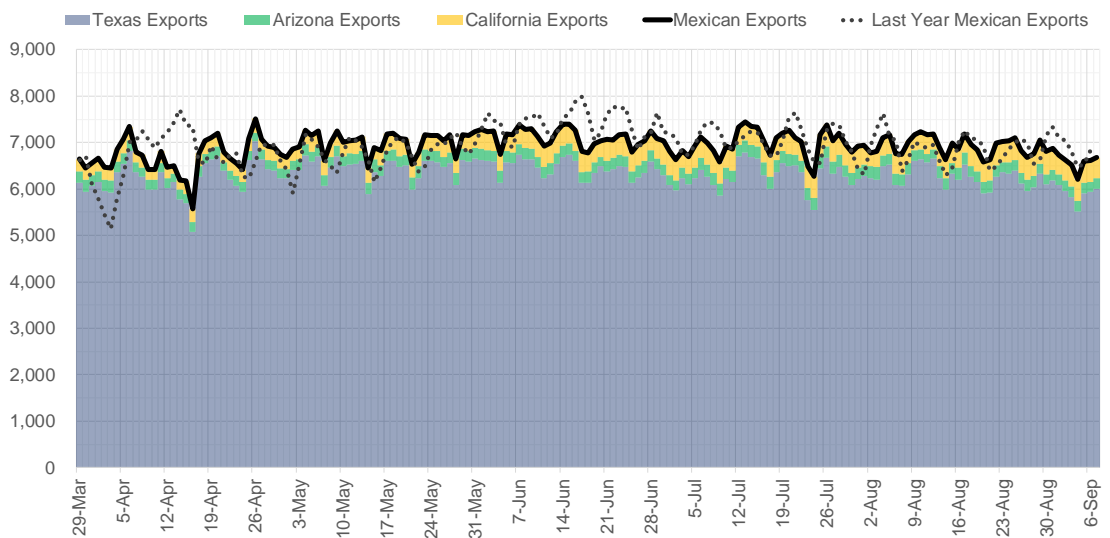
## Supply – Demand Trends



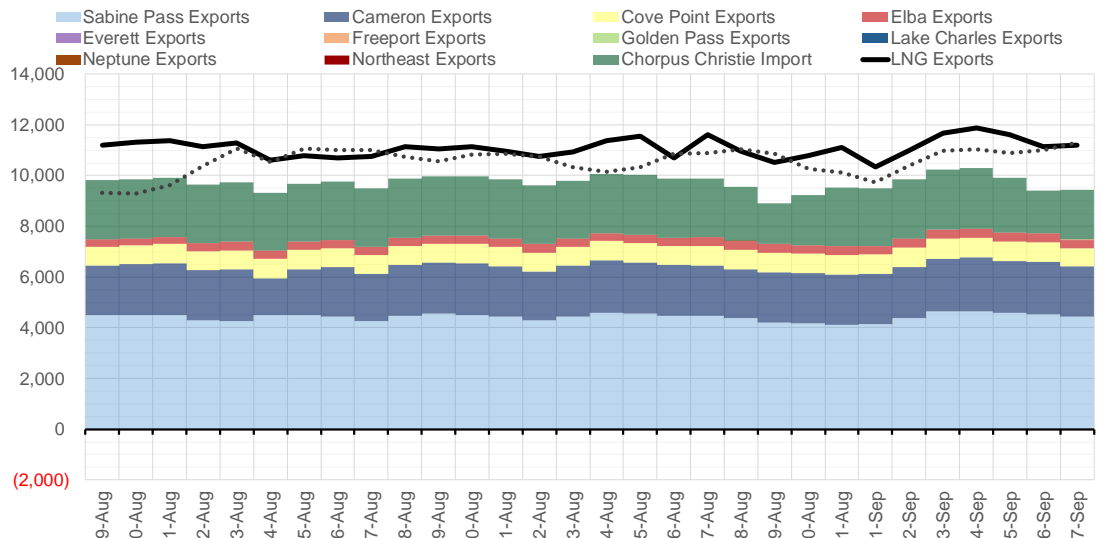
Source: Bloomberg

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### 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

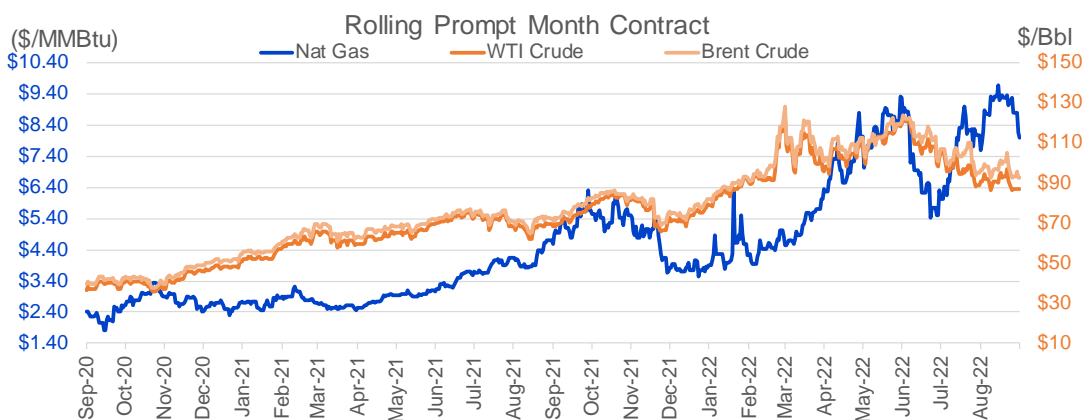
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
10	2022	P	5.50	6602	10	2022	P	3.00	36676
4	2023	P	3.50	6550	10	2022	C	6.00	36012
5	2023	P	3.50	6550	10	2022	P	6.00	34025
6	2023	P	3.50	6550	10	2022	P	5.00	29614
7	2023	P	3.50	6550	10	2022	P	2.50	28006
8	2023	P	3.50	6550	10	2022	C	12.00	23851
9	2023	P	3.50	6550	12	2022	P	5.00	23321
10	2023	P	3.50	6550	10	2022	C	5.00	23273
10	2022	P	6.00	6418	10	2022	C	10.00	22686
10	2022	P	7.00	6152	10	2022	P	3.50	22294
11	2022	C	10.00	5996	5	2023	P	2.00	22127
10	2022	P	6.50	5709	3	2023	C	10.00	21611
11	2022	C	12.00	5648	11	2022	P	4.00	21524
11	2022	C	10.10	5004	10	2022	P	4.00	21397
11	2022	C	12.10	5004	4	2023	P	3.00	20119
10	2022	P	7.50	4375	4	2023	P	3.50	19716
11	2022	P	6.00	3644	10	2023	P	3.00	19183
4	2023	P	3.00	3350	12	2022	C	5.00	18218
4	2023	P	4.00	3350	5	2023	P	3.50	18215
5	2023	P	3.00	3350	3	2023	P	3.00	18052
5	2023	P	4.00	3350	3	2023	C	20.00	17945
6	2023	P	3.00	3350	10	2022	P	7.00	17798
6	2023	P	4.00	3350	7	2023	P	3.50	17790
7	2023	P	3.00	3350	8	2023	P	3.50	17790
7	2023	P	4.00	3350	9	2023	P	3.50	17790
8	2023	P	3.00	3350	10	2022	P	5.50	17690
8	2023	P	4.00	3350	10	2023	P	3.50	17690
9	2023	P	3.00	3350	6	2023	P	3.50	17640
9	2023	P	4.00	3350	10	2023	P	2.50	17300
10	2023	P	3.00	3350	11	2022	P	5.00	17265
10	2023	P	4.00	3350	10	2022	C	8.00	16888
10	2022	P	8.00	2966	10	2022	P	2.00	16759
10	2022	P	7.25	2900	10	2022	P	8.00	16690
10	2022	C	10.50	2673	1	2023	C	10.00	16491
10	2022	P	6.75	2555	6	2023	P	3.00	16470
10	2022	P	5.00	2478	5	2023	P	3.00	16373
10	2022	C	13.00	2444	12	2022	C	4.00	16194
10	2022	C	10.00	2359	11	2022	P	6.00	16117
10	2022	C	10.65	2155	12	2022	P	4.00	16051
10	2022	C	14.00	2109	7	2023	P	3.00	15800
10	2022	C	9.00	2040	2	2023	C	10.00	15774
10	2022	C	12.00	1617	11	2022	C	4.00	15755
10	2022	C	11.00	1615	10	2023	P	4.00	15676
11	2022	P	5.00	1609	8	2023	P	3.00	15650
10	2022	P	7.10	1508	9	2023	P	3.00	15600
11	2022	P	7.00	1385	10	2023	P	2.00	15510
10	2022	P	6.25	1344	10	2022	P	3.25	15196
11	2022	P	6.25	1302	1	2023	P	5.00	15169
12	2022	P	6.50	1101	10	2022	C	12.50	15146
					10	2022	C	7	15046

Source: CME, ICE

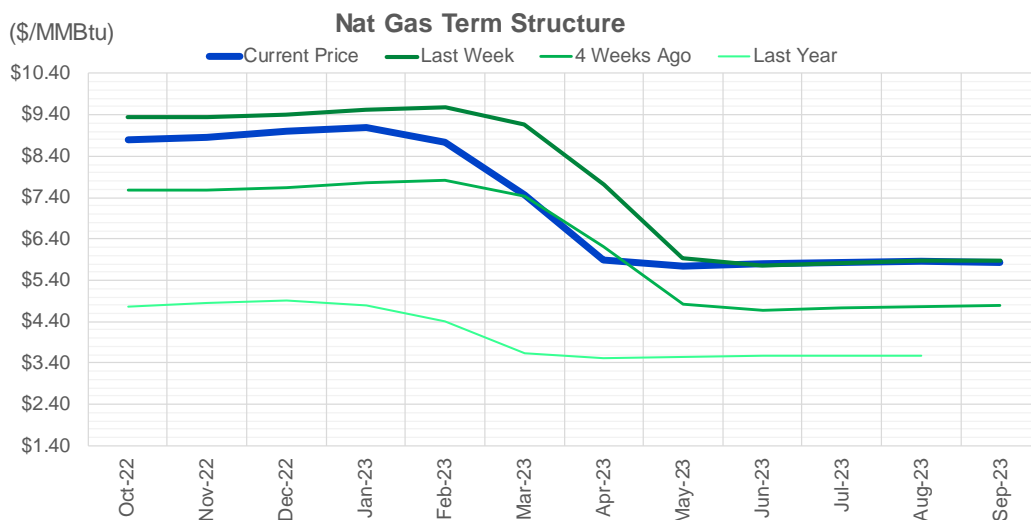
## Nat Gas Futures Open Interest CME and ICE Combined

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	111115	110664	451	OCT 22	78273	77956	318
NOV 22	130881	127985	2896	NOV 22	71709	70205	1504
DEC 22	68910	69117	-207	DEC 22	66587	66706	-120
JAN 23	86478	86892	-414	JAN 23	66940	66751	190
FEB 23	41071	41001	70	FEB 23	64765	64830	-65
MAR 23	65830	63378	2452	MAR 23	56404	55830	574
APR 23	71628	71311	317	APR 23	53726	54191	-465
MAY 23	77890	77636	254	MAY 23	52627	53210	-584
JUN 23	24570	24340	230	JUN 23	45291	45148	144
JUL 23	25062	25161	-99	JUL 23	44424	44391	34
AUG 23	19765	19446	319	AUG 23	43442	43285	156
SEP 23	22920	22048	872	SEP 23	42855	42745	110
OCT 23	53454	53151	303	OCT 23	50760	50545	215
NOV 23	15778	15815	-37	NOV 23	46730	47031	-301
DEC 23	12817	12810	7	DEC 23	40636	40836	-200
JAN 24	19719	19853	-134	JAN 24	40317	40291	26
FEB 24	8534	8216	318	FEB 24	31073	31069	4
MAR 24	18674	18457	217	MAR 24	36282	36323	-41
APR 24	14692	14727	-35	APR 24	28564	28608	-44
MAY 24	7455	7387	68	MAY 24	27444	27528	-84
JUN 24	2925	2928	-3	JUN 24	24842	24928	-85
JUL 24	3395	3411	-16	JUL 24	24578	24666	-89
AUG 24	3425	3442	-17	AUG 24	24317	24405	-89
SEP 24	2024	2037	-13	SEP 24	24113	24198	-85
OCT 24	8375	8475	-100	OCT 24	27776	27809	-33
NOV 24	4869	4863	6	NOV 24	25144	25152	-8
DEC 24	8105	8113	-8	DEC 24	28511	28526	-15
JAN 25	17070	16878	192	JAN 25	22427	22367	60
FEB 25	1255	1142	113	FEB 25	14757	14742	15
MAR 25	5273	5151	122	MAR 25	17133	17011	123

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.

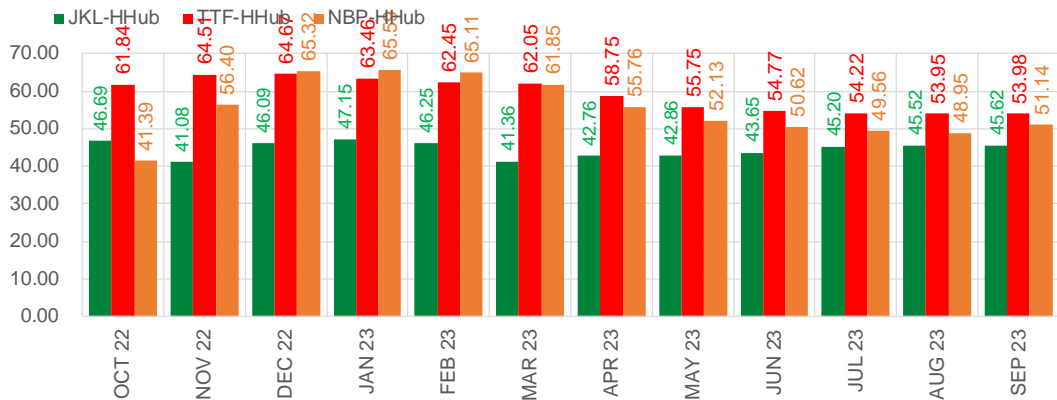
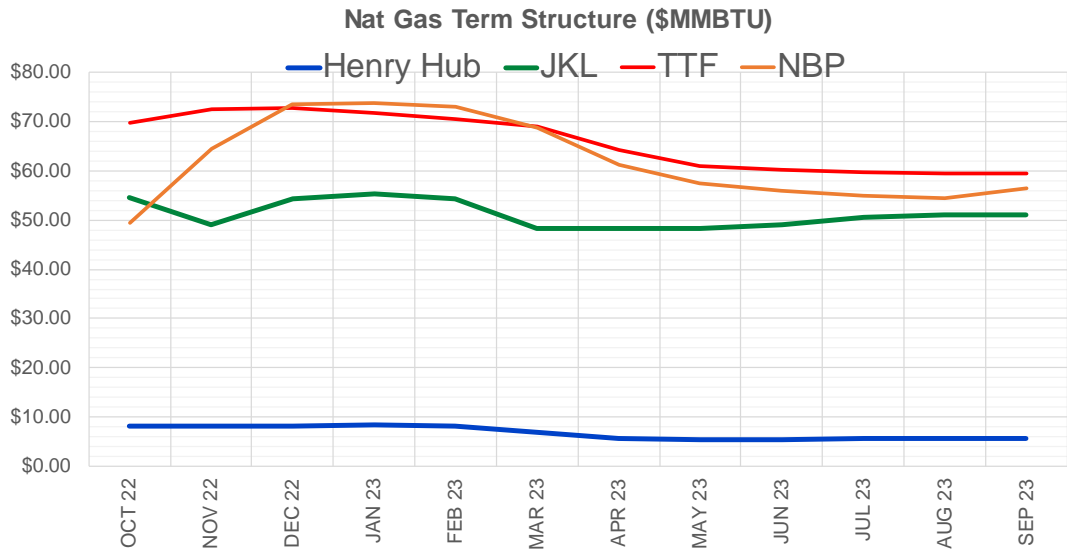


	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
<b>Current Price</b>	<b>\$8.786</b>	<b>\$8.850</b>	<b>\$8.997</b>	<b>\$9.078</b>	<b>\$8.731</b>	<b>\$7.456</b>	<b>\$5.890</b>	<b>\$5.733</b>	<b>\$5.786</b>	<b>\$5.842</b>	<b>\$5.856</b>	<b>\$5.842</b>
Last Week	\$9.353	\$9.336	\$9.400	\$9.532	\$9.592	\$9.154	\$7.707	\$5.946	\$5.769	\$5.816	\$5.865	\$5.877
vs. Last Week	-\$0.567	-\$0.486	-\$0.403	-\$0.454	-\$0.861	-\$1.698	-\$1.817	-\$0.213	\$0.017	\$0.026	-\$0.009	-\$0.035
4 Weeks Ago	\$7.589	\$7.578	\$7.653	\$7.767	\$7.828	\$7.417	\$6.214	\$4.823	\$4.683	\$4.729	\$4.776	\$4.790
vs. 4 Weeks Ago	\$1.197	\$1.272	\$1.344	\$1.311	\$0.903	\$0.039	-\$0.324	\$0.910	\$1.103	\$1.113	\$1.080	\$1.052
Last Year	\$4.712	\$4.762	\$4.850	\$4.905	\$4.791	\$4.420	\$3.628	\$3.521	\$3.549	\$3.579	\$3.587	\$3.568
vs. Last Year	\$4.074	\$4.088	\$4.147	\$4.173	\$3.940	\$3.036	\$2.262	\$2.212	\$2.237	\$2.263	\$2.269	\$2.274

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	7.95	8.45	0.50
TETCO M3	\$/MMBtu	7.81	7.62	-0.19
FGT Zone 3	\$/MMBtu	7.90	9.60	1.70
Zone 6 NY	\$/MMBtu	7.90	7.60	-0.30
Chicago Citygate	\$/MMBtu	7.92	8.38	0.46
Michcon	\$/MMBtu	7.96	8.22	0.26
Columbia TCO Pool	\$/MMBtu	7.64	7.72	0.08
Ventura	\$/MMBtu	5.95	8.43	2.48
Rockies/Opal	\$/MMBtu	8.56	8.18	-0.37
El Paso Permian Basin	\$/MMBtu	7.33	7.00	-0.33
Socal Citygate	\$/MMBtu	13.54	8.64	-4.90
Malin	\$/MMBtu	9.11	8.40	-0.71
Houston Ship Channel	\$/MMBtu	7.84	8.26	0.42
Henry Hub Cash	\$/MMBtu	8.48	8.03	-0.45
AECO Cash	C\$/GJ	3.15	4.95	1.80
Station2 Cash	C\$/GJ	-0.44	8.33	8.77
Dawn Cash	C\$/GJ	7.93	8.28	0.35

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	▲ 1.273
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.314
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -2.013
NatGas Apr22/Oct22	\$/MMBtu	2.809	▼ -0.897	▲ 0.320	▲ 2.813
WTI Crude	\$/Bbl	86.88	▼ -4.760	▼ -3.620	▲ 18.530
Brent Crude	\$/Bbl	92.83	▼ -6.480	▼ -3.480	▲ 21.140
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	357.38	▼ -24.330	▲ 24.000	▲ 145.220
Propane, Mt. Bel	cents/Gallon	1.09	▼ -0.008	▲ 0.019	▼ -0.101
Ethane, Mt. Bel	cents/Gallon	0.54	▼ -0.061	▼ -0.021	▲ 0.186
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
<b>Henry Hub</b>	\$8.002	\$8.072	\$8.217	\$8.320	\$7.995	\$6.915	\$5.494	\$5.357	\$5.413	\$5.471	\$5.489	\$5.474
<b>JKL</b>	\$54.690	\$49.150	\$54.305	\$55.465	\$54.245	\$48.275	\$48.255	\$48.220	\$49.065	\$50.675	\$51.005	\$51.090
<b>JKL-HHub</b>	\$46.688	\$41.078	\$46.088	\$47.145	\$46.250	\$41.360	\$42.761	\$42.863	\$43.652	\$45.204	\$45.516	\$45.616
<b>TTF</b>	\$69.843	\$72.586	\$72.884	\$71.782	\$70.449	\$68.962	\$64.242	\$61.106	\$60.183	\$59.692	\$59.442	\$59.455
<b>TTF-HHub</b>	\$61.841	\$64.514	\$64.667	\$63.462	\$62.454	\$62.047	\$58.748	\$55.749	\$54.770	\$54.221	\$53.953	\$53.981
<b>NBP</b>	\$49.394	\$64.474	\$73.532	\$73.910	\$73.105	\$68.765	\$61.255	\$57.490	\$56.030	\$55.032	\$54.436	\$56.610
<b>NBP-HHub</b>	\$41.392	\$56.402	\$65.315	\$65.590	\$65.110	\$61.850	\$55.761	\$52.133	\$50.617	\$49.561	\$48.947	\$51.136

## Weather Storage Model - Next 4 Week Forecast

