

## **Market Report**

## 15 September 2022



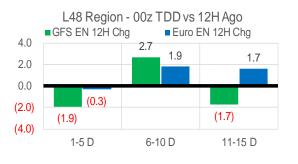
	С	urrent	Δ from YD	Δ fron Αν	
WTI Prompt	\$	87.28	<b>\$</b> (1.20)	<b>\$</b>	0.5

		urront	Δ from YD	∆ fron	17D
	C	urreni		Αv	g
Brent Prompt	\$	92.78	<b>\$</b> (1.32)	<b>\$</b>	0.1

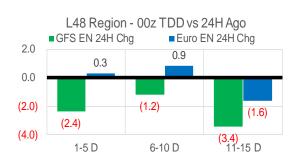
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Price Summary

## Vs. 12H Ago



## Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	100.0	<b>▼</b> -0.21	<b>▼</b> -0.35

	Current	Δ from YD	Δ from 7D Avg
US ResComm	7.9	▼ -0.13	▼ -0.23

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	11.8	▼ -0.10	<b>a</b> 0.51

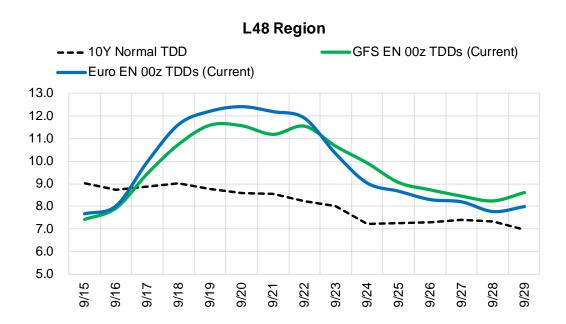
	Current	Δ from YD	Δ from 7D Avg
US Power Burns	35.8	<b>▼</b> -1.09	-2.53

	Current	Δ from Y	D Δ from 7D Avg
Canadian Imports	5.6	<b>a</b> 0.21	<b>0.18</b>

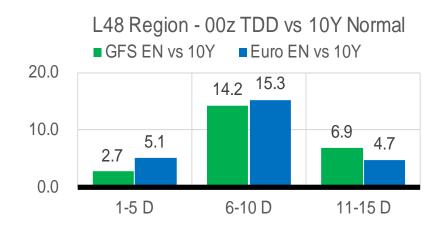
	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.5	▼ -0.17	▼ -0.13



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



## Vs. 10Y Normal



Source: WSI, Bloomberg



## **Market Report**

#### **Daily Balances**

## Lower 48 Component Models

	9-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep	15-Sep	DoD	vs. 7D
Lower 48 Dry Production	100.2	100.5	100.9	101.1	99.6	100.2	100.0	▼ -0.2	▼ -0.4
Canadian Imports	5.3	5.5	5.5	5.6	5.6	5.4	5.6	<b>0.2</b>	<b>▲ 0.1</b>
L48 Power	39.4	36.9	37.3	38.8	38.0	36.8	35.8	▼-1.1	<b>▼</b> -2.1
L48 Residential & Commercial	7.9	8.1	8.1	8.7	8.3	8.1	7.9	▼ -0.1	<b>▼</b> -0.3
L48 Industrial	20.8	20.6	20.3	20.1	19.9	19.9	20.3	<b>0.4</b>	<b>0.0</b>
L48 Lease and Plant Fuel	5.4	5.4	5.5	5.5	5.4	5.4	5.4	▼ 0.0	▼ 0.0
L48 Pipeline Distribution	2.6	2.5	2.5	2.6	2.6	2.5	2.4	▼ -0.1	<b>▼</b> -0.1
L48 Regional Gas Consumption	76.2	73.5	73.6	75.8	74.2	72.8	71.8	▼ -1.0	▼ -2.5
Net LNG Delivered	10.99	10.96	11.60	11.52	11.12	11.87	11.78	▼ -0.1	▲ 0.4
Total Mexican Exports	6.8	6.6	6.3	6.6	6.9	6.7	6.5	▼ -0.2	▼ -0.1
Implied Daily Storage Activity EIA Reported Daily Storage Activity Daily Model Error	11.6	15.1	14.9	12.7	12.9	14.3	15.5		

EIA Storage Week Balances								
	LY				LW	Current		
	10-Sep	12-Aug	19-Aug	26-Aug	2-Sep	9-Sep	WoW	vs. LY
Lower 48 Dry Production	92.4	98.3	97.8	98.6	99.8	100.5	<b>0.7</b>	<b>8.1</b>
Canadian Imports	4.8	5.4	4.8	5.4	5.7	5.8	<b>▲ 0.1</b>	<b>▲ 1.1</b>
L48 Power	33.9	45.5	39.6	41.2	42.0	40.4	<b>▼</b> -1.6	6.5
L48 Residential & Commercial	8.0	8.6	8.1	8.2	8.2	7.8	▼ -0.3	-0.1
L48 Industrial	19.5	21.2	21.3	21.0	22.2	21.3	▼ -0.9	1.9
L48 Lease and Plant Fuel	5.0	5.3	5.3	5.4	5.4	5.4	<b>0.0</b>	0.4
L48 Pipeline Distribution	2.3	2.9	2.5	2.6	2.7	2.7	▼ 0.0	0.4
L48 Regional Gas Consumption	68.7	83.5	76.8	78.5	80.6	77.7	▼ -2.8	<b>9.1</b>
Net LNG Exports	11.0	10.9	10.9	11.1	10.9	11.3	<b>0.4</b>	<b>0.3</b>
Total Mexican Exports	6.7	7.0	7.0	6.9	6.9	6.5	▼ -0.3	▼-0.2
Implied Daily Storage Activity	10.8	2.2	7.9	7.6	7.3	10.8	3.5	-0.1
EIA Reported Daily Storage Activity	11.9	2.6	8.6	8.7	7.7			
Daily Model Error	-1.0	-0.3	-0.6	-1.1	-0.5			

	2Yr Ago	LY					MTD		
	Sep-20	Sep-21	May-22	Jun-22	Jul-22	Aug-22	Sep-22	MoM	vs. LY
Lower 48 Dry Production	88.9	93.6	95.8	96.5	97.1	98.6	100.4	<b>1.8</b>	<b>6.9</b>
Canadian Imports	3.8	5.1	5.1	5.7	5.9	5.4	5.7	<b>0.3</b>	<b>0.5</b>
L48 Power	34.4	33.1	29.8	38.0	43.7	42.5	39.5	▼-3.1	<b>6.3</b>
L48 Residential & Commercial	8.9	8.7	12.4	9.1	9.0	8.3	8.0	▼-0.3	<b>-</b> 0.7
L48 Industrial	19.9	20.2	19.7	18.7	19.5	21.3	20.9	▼-0.4	<b>0.7</b>
L48 Lease and Plant Fuel	4.8	5.1	5.3	5.3	5.3	5.4	5.4	<b>0.1</b>	<b>0.4</b>
L48 Pipeline Distribution	2.4	2.3	2.4	2.5	2.8	2.7	2.6	<b>▼</b> -0.1	<b>0.3</b>
L48 Regional Gas Consumption	70.4	69.5	69.5	73.7	80.2	80.2	76.5	▼ -3.8	<b>7.0</b>
Net LNG Exports	5.9	10.3	12.5	11.2	10.9	11.0	11.3	<b>0.3</b>	<b>0.9</b>
Total Mexican Exports	6.1	6.7	7.0	7.1	7.0	6.9	6.6	▼-0.3	▼ -0.1
Implied Daily Storage Activity EIA Reported Daily Storage Activity	10.3	12.1	11.9	10.2	4.9	5.8	11.8		
Daily Model Error					0.2				

Source: Bloomberg, analytix.ai



## **Daily** Average Generation Data

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

	7-Sep	8-Sep	9-Sep	10-Sep	11-Sep	12-Sep	13-Sep	DoD	vs. 7D
NRC Nuclear Daily Output	86.9	86.7	86.9	86.9	86.9	86.9	86.0	-0.9	-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	17.9	18.2	18.0	18.0	18.0	18.0	18.9	0.9	0.9
NRC % Nuclear Cap Utilization	88.4	88.2	88.4	88.4	88.4	88.4	87.4	-1.0	-0.9

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

	7-Sep	8-Sep	9-Sep	10-Sep	11-Sep	12-Sep	13-Sep	DoD	vs. 7D
CALI Wind	1378	1145	1762	1426	892	1470	3334	1864	1988
TEXAS Wind	4720	2740	6885	7903	7097	4395	9897	5502	4274
US Wind	23741	34370	38143	32271	26234	25039	35940	10902	5974

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

	7-Sep	8-Sep	9-Sep	10-Sep	11-Sep	12-Sep	13-Sep	DoD	vs. 7D
US Wind	23741	34370	38143	32271	26234	25039	35940	10902	5974
US Solar	16249	13842	13048	11031	13471	14236	15359	1123	1713
US Petroleum	1101	1507	1080	1071	1058	1129	979	-150	-179
US Other	9792	9750	9495	9251	9430	9987	10014	27	397
US Coal	110417	102143	94833	93562	93898	94830	89557	-5274	-8724
US Nuke	89212	89149	89355	87175	88147	88714	88951	236	325
US Hydro	31295	30114	29527	25906	24606	27410	24959	-2451	-3184
US Gas	239416	227032	215789	198677	198089	218502	204998	-13504	-11253

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai



US Hydro

**US Gas** 

Nuclear Generation Weekly Average - GWh (NRC)

## **Storage Week** Average Generation Data

Nuclear Generation Weekly Ave	eraye - G	WIII (INKC	·)					
	10-Sep	12-Aug	19-Aug	26-Aug	2-Sep	9-Sep	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	90.3	90.7	91.2	90.3	89.6	87.5	-2.2	0.4
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	14.6	14.1	13.7	14.5	15.2	17.4	2.2	
NRC % Nuclear Cap Utilization	91.8	92.3	92.8	91.9	91.2	88.9	-2.2	
Wind Generation Weekly Avera	ige - MWI	h (EIA)						
								WoW
	10-Sep	12-Aug	19-Aug	26-Aug	2-Sep	9-Sep	WoW	Bcf/d Impact
CALI Wind	1236	1901	1953	2324	1825	1285	-540	0.1
TEXAS Wind	7327	8762	7139	5879	6839	4092	-2747	0.5
US Wind	30677	32976	28474	23582	36122	27243	-8879	1.6
							-25%	
						-0.4		
Generation Weekly Average - N	IWh (EIA	)						
					LY	Current		
								WoW
	10-Sep	12-Aug	19-Aug	26-Aug	2-Sep	9-Sep	YoY	Bcf/d Impact
US Wind	30677	32976	28474	23582	36122	27243	-8879	1.6
US Solar	14267	17568	16951	15905	17073	16024	-1049	0.2
US Petroleum	843	1737	1045	1047	1075	1105	31	0.0
US Other	8944	10725	9882	10332	10580	9867	-713	0.1
US Coal	116842	122575	112824	114535	113005	105910	-7096	1.3
US Nuke	93162	92966	94032	92872	92018	89638	-2381	0.4

See National Wind and Nuclear daily charts

30400

252451

30431

218061

30663

227218

26955

182338

Source: Bloomberg, analytix.ai

27940

227231

27850

232735

90

-5504

0.0



## **Monthly** Average Generation Data

Nuclear Generation Monthly A	verage -	GWh (NI	RC)						
	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	90.2	90.2	88.6	90.6	90.5	87.1	88.7	-3.4	-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	14.7	14.7	16.3	14.3	14.3	17.7	16.2	3.4	1.5
NRC % Nuclear Cap Utilization	91.7	91.7	90.1	92.1	92.1	88.6	90.1	-3.5	-1.5

#### 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	1574	2009	2892	2719	2028	1739	1942	-289	-68
TEXAS Wind	7057	9371	13378	11765	8440	5865	6216	-2575	-3155
US Wind	29488	36785	46918	39701	33222	29685	29377	-3536	-7407

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

·	2Yr Ago	ĹY				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	29488	36785	46918	39701	33222	29685	29377	▼ -308.2	<b>▼</b> -7407
US Solar	9639	14001	19382	18598	16998	15050	15821	<b>771.4</b>	<b>1820</b>
US Petroleum	1007	1106	1001	1252	1253	1051	1064	<b>1</b> 3	<b>▼</b> -42
US Other	9141	9651	8580	10129	10424	9811	10126	<b>315</b>	<b>476</b>
US Coal	117897	127474	105517	119788	117179	100135	107009	<b>6874</b>	<b>▼-20465</b>
US Nuke	92643	92776	89978	92883	92969	89271	90981	<b>1710</b>	<b>▼</b> -1794
US Hydro	28496	27891	37531	34227	30121	27075	28445	<b>1371</b>	<b>554</b>
US Gas	204245	201087	200787	235766	233714	218494	223830	<b>10746</b>	<b>22743</b>
US Total	490473	510780	509266	551822	535629	490698	506575	<b>21800</b>	<b>▼</b> -4205



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai



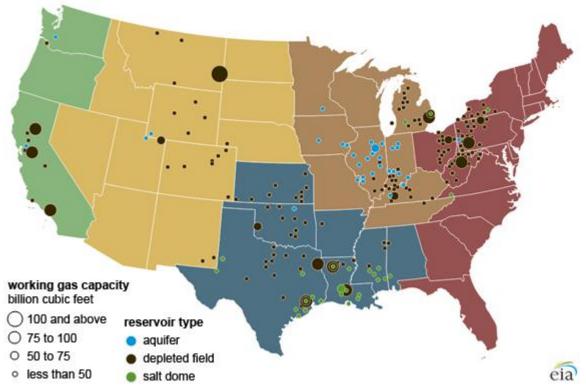
### Regional S/D Models Storage Projection

Week Ending 9-Sep

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	11.8	-0.1	11.7	82
East	2.5	1.8	4.3	30
Midwest	4.4	0.0	4.4	31
Mountain	4.9	-4.1	8.0	5
South Central	0.0	2.9	2.9	20
Pacific	0.0	-0.7	-0.7	<b>-</b> 5

<sup>\*</sup>Adjustment Factor is calcuated based on historical regional deltas

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



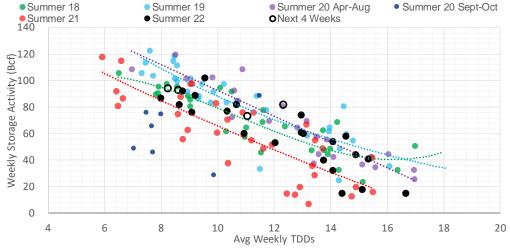


### Weather Model Storage Projection

Next report
and beyond

Week Ending	GWDDs	Week Storage Projection
09-Sep	12.3	82
16-Sep	8.3	94
23-Sep	11.1	73
30-Sep	8.6	93

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



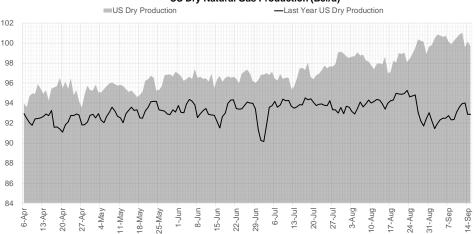
Go to larger image



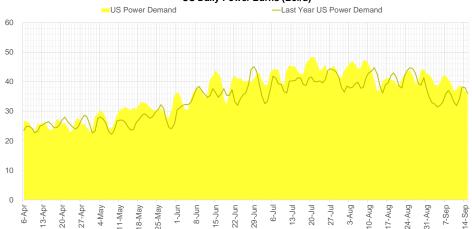


### Supply - Demand Trends

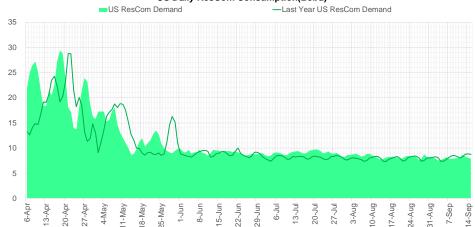
#### US Dry Natural Gas Production (Bcf/d)



#### US Daily Power Burns (Bcf/d)



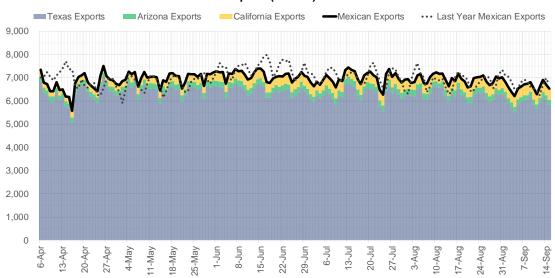
#### US Daily ResCom Consumption(Bcf/d)

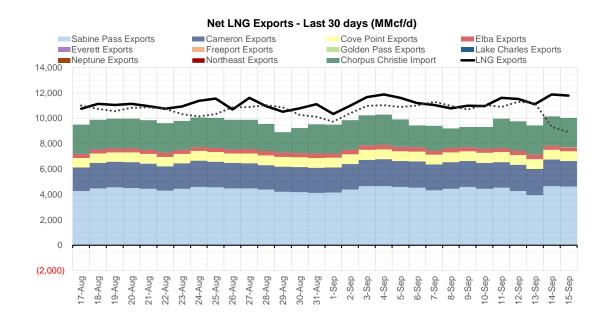


Source: Bloomberg



#### Mexican Exports (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	С	10.00	8325	10	2022	P	3.00	36677
10	2022	C	12.00	7289	10	2022	Ċ	6.00	36015
10	2022	P	7.00	4756	10	2022	P	6.00	34068
10	2022	P	8.00	3938	10	2022	Р	5.00	29967
10	2022	C	12.50	3546	10	2022	P	2.50	28006
10	2022	Č	11.00	3415	10	2022	C	12.00	25284
10	2022	Č	9.00	3364	10	2022	Č	5.00	23269
10	2022	Ċ	9.50	3121	3	2023	С	10.00	23185
10	2022	Č	13.00	2911	11	2022	Р	4.00	22894
10	2022	P	7.25	2632	10	2022	С	10.00	22755
10	2022	C	10.50	2573	10	2022	Р	3.50	22296
2	2023	Ċ	10.00	2102	5	2023	Р	2.00	22227
10	2022	P	8.75	2042	12	2022	Р	5.00	21672
11	2022	Р	7.00	2035	10	2022	Р	4.00	21662
10	2022	P	6.00	2007	4	2023	Р	3.00	21356
11	2022	P	6.00	1943	10	2022	Р	7.00	20707
2	2023	C	8.00	1800	10	2023	Р	3.00	20123
11	2022	Ċ	10.00	1719	10	2022	Р	8.00	19298
10	2022	C	10.10	1648	4	2023	Р	3.50	19271
1	2023	Ċ	20.00	1624	10	2022	Р	5.50	18733
3	2023	Ċ	20.00	1528	3	2023	С	20.00	18716
10	2022	P	7.50	1460	12	2022	С	5.00	18218
10	2022	С	15.00	1364	10	2022	C	8.00	17922
12	2022	P	4.00	1280	6	2023	P	3.00	17740
11	2022	Р	8.00	1266	5	2023	P	3.00	17718
10	2022	С	9.25	1185	5	2023	P	3.50	17670
10	2022	Р	9.00	1124	10	2023	P	2.50	17650
11	2022	Р	7.50	1119	11 7	2022 2023	P P	5.00	17384
10	2022	С	8.50	1043		2023	P P	3.50	17345
2	2023	С	20.00	1041	8 9	2023	P P	3.50 3.50	17345 17335
2	2023	Р	4.00	1020	1	2023	C	10.00	17335
3	2023	Р	4.00	1001	10	2023	P	3.50	17235
12	2022	Р	5.75	1000	6	2023	P	3.50	17095
1	2023	С	17.00	1000	3	2023	P	3.00	16799
1	2023	Р	4.00	1000	10	2023	P	2.00	16759
1	2023	Р	5.75	1000	11	2022	P	6.00	16486
2	2023	С	17.00	1000	12	2022	P	4.00	16422
2	2023	Р	5.75	1000	7	2023	P	3.00	16395
3	2023	С	17.00	1000	8	2023	P	3.00	16195
3	2023	Р	5.75	1000	9	2023	P	3.00	16195
11	2023	С	5.00	1000	12	2022	C	4.00	16194
11	2023	С	6.00	1000	12	2022	P	6.00	15945
11	2023	Р	2.75	1000	10	2023	Р	4.00	15836
11	2023	Р	3.00	1000	11	2022	C	12.00	15830
12	2023	С	5.00	1000	11	2022	C	4.00	15755
12	2023	С	6.00	1000	2	2023	C	10.00	15715
12	2023	Р	2.75	1000	10	2023	P	2.00	15710
12	2023	Р	3.00	1000	10	2022	Р	3.25	15196
11	2022	С	8.00	884	1	2023	P Source	: CME, ICE	15151

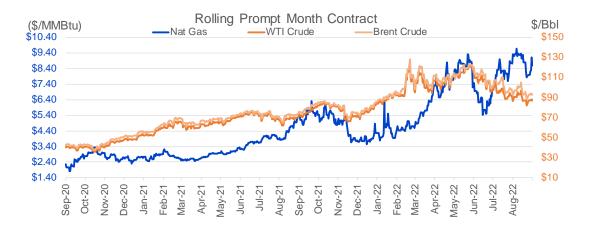


## Nat Gas Futures Open Interest

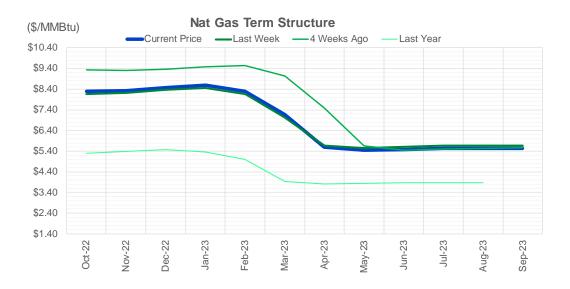
CME and ICE Combined

CME Henry	Hub Futures (10			ICE Henry	Hub Futures Con		alent (10,000 MM
	Current	Prior	Daily Change		Current	Prior	Daily Change
OCT 22	74171	80459	-6288	OCT 22	76599	75607	992
NOV 22	144265	137855	6410	NOV 22	73772	73137	636
DEC 22	65896	65991	-95	DEC 22	68617	67899	718
JAN 23	88575	87700	875	JAN 23	66532	66637	-106
FEB 23	41599	41833	-234	FEB 23	66809	66559	250
MAR 23	72849	72130	719	MAR 23	56370	56738	-368
APR 23	76713	76151	562	APR 23	52577	53206	-629
MAY 23	79123	79291	-168	MAY 23	52127	52627	-500
JUN 23	24491	24527	-36	JUN 23	45175	45715	-540
JUL 23	24485	24720	-235	JUL 23	44282	44786	-504
AUG 23	19898	19936	-38	AUG 23	42910	43315	-406
SEP 23	23015	23131	-116	SEP 23	43054	43131	-78
OCT 23	54211	53930	281	OCT 23	50894	51183	-289
NOV 23	16884	16694	190	NOV 23	46836	46741	95
DEC 23	14197	13880	317	DEC 23	40838	40655	183
JAN 24	21199	20395	804	JAN 24	39555	39772	-217
FEB 24	8894	8683	211	FEB 24	31040	31021	20
MAR 24	18649	18643	6	MAR 24	35631	36207	-576
APR 24	14877	14801	76	APR 24	28919	28766	154
MAY 24	7488	7455	33	MAY 24	27590	27502	88
JUN 24	2858	2852	6	JUN 24	24905	24808	97
JUL 24	3443	3434	9	JUL 24	24658	24580	79
AUG 24	3419	3431	-12	AUG 24	24347	24276	71
SEP 24	2219	2209	10	SEP 24	24129	24060	69
OCT 24	8620	8625	-5	OCT 24	27828	27750	78
NOV 24	4885	4890	-5	NOV 24	25282	25133	149
DEC 24	8184	8186	-2	DEC 24	28648	28498	150
JAN 25	17675	17671	4	JAN 25	23070	23005	64
FEB 25	1571	1572	-1	FEB 25	15348	15276	72
MAR 25	5188	5175	13	MAR 25	17099	17031	68

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
<b>Current Price</b>	\$8.284	\$8.334	\$8.477	\$8.573	\$8.277	\$7.162	\$5.594	\$5.438	\$5.485	\$5.535	\$5.545	\$5.525
Last Week	\$8.145	\$8.212	\$8.367	\$8.458	\$8.158	\$7.031	\$5.681	\$5.544	\$5.599	\$5.657	\$5.672	\$5.659
vs. Last Week	\$0.139	\$0.122	\$0.110	\$0.115	\$0.119	\$0.131	-\$0.087	-\$0.106	-\$0.114	-\$0.122	-\$0.127	-\$0.134
4 Weeks Ago	\$9.329	\$9.311	\$9.370	\$9.472	\$9.532	\$9.019	\$7.501	\$5.638	\$5.446	\$5.492	\$5.540	\$5.550
vs. 4 Weeks Ago	-\$1.045	-\$0.977	-\$0.893	-\$0.899	-\$1.255	-\$1.857	-\$1.907	-\$0.200	\$0.039	\$0.043	\$0.005	-\$0.025
Last Year	\$5.260	\$5.305	\$5.398	\$5.465	\$5.370	\$5.013	\$3.939	\$3.810	\$3.839	\$3.871	\$3.879	\$3.863
vs. Last Year	\$3.024	\$3.029	\$3.079	\$3.108	\$2.907	\$2.149	\$1.655	\$1.628	\$1.646	\$1.664	\$1.666	\$1.662

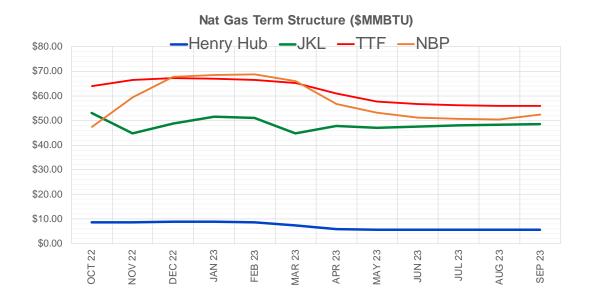
		Cash	Prompt	Cash to	
	Units	Settled	Settle	Prompt	
AGT Citygate	\$/MMBtu	7.61	7.21	-0.40	
TETCO M3	\$/MMBtu	7.74	6.50	-1.24	
FGT Zone 3	\$/MMBtu	7.75	8.61	0.86	
Zone 6 NY	\$/MMBtu	7.75	6.51	-1.24	
Chicago Citygate	\$/MMBtu	7.72	7.27	-0.45	
Michcon	\$/MMBtu	7.75	7.06	-0.68	
Columbia TCO Pool	\$/MMBtu	7.50	6.62	-0.88	
Ventura	\$/MMBtu	5.95	7.19	1.24	
Rockies/Opal	\$/MMBtu	7.84	6.95	-0.90	
El Paso Permian Basin	\$/MMBtu	7.00	5.78	-1.22	
Socal Citygate	\$/MMBtu	9.65	7.48	-2.17	
Malin	\$/MMBtu	7.55	7.17	-0.38	
Houston Ship Channel	\$/MMBtu	7.67	7.13	-0.54	
Henry Hub Cash	\$/MMBtu	8.37	7.01	-1.36	
AECO Cash	C\$/GJ	4.96	3.09	-1.87	
Station2 Cash	C\$/GJ	3.24	7.17	3.93	
Dawn Cash	C\$/GJ	7.78	7.10	-0.67	

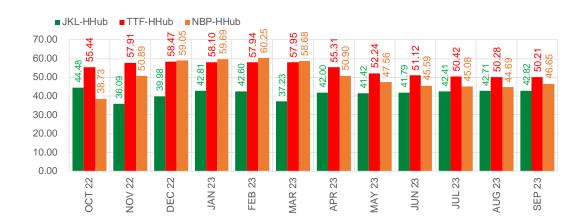
Source: CME, Bloomberg



					\/C	4 Wooks		
					vs	. 4 Weeks		
	Units	Current Price	VS.	Last Week		Ago	VS	. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224		0.000		0.000		0.381
NatGas Oct21/Nov21	\$/MMBtu	0.361		0.000		0.000		0.314
NatGas Oct21/Jan22	\$/MMBtu	-1.817		0.000		0.000		-2.033
NatGas Apr22/Oct22	\$/MMBtu	3.778		1.272		-0.114		3.838
WTI Crude	\$/Bbl	88.48		6.540		0.370		15.870
Brent Crude	\$/Bbl	94.10		6.100		0.450		18.640
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18		0.000		0.000		0.000
Heating Oil	cents/Gallon	337.89	<b>-</b>	-20.710		-23.850		117.360
Propane, Mt. Bel	cents/Gallon	1.06		0.004		-0.012		-0.201
Ethane, Mt. Bel	cents/Gallon	0.53		0.002		-0.077		0.130
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						



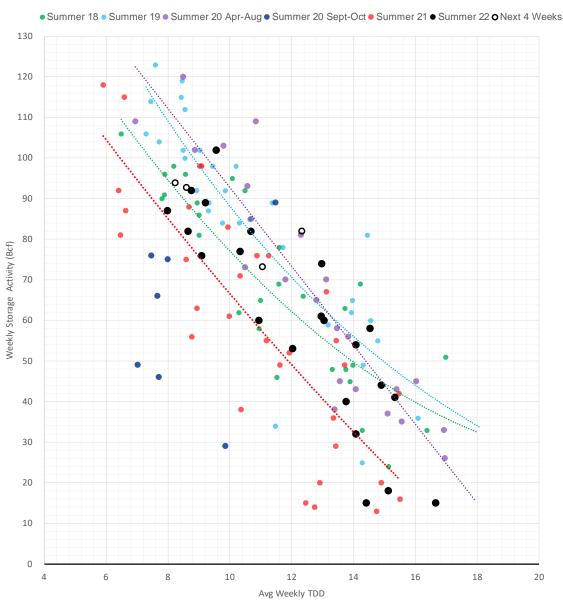




	OCT 22	NOV 22	DEC 22	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23	AUG 23	SEP 23
Henry Hub	\$8.591	\$8.639	\$8.757	\$8.879	\$8.550	\$7.450	\$5.764	\$5.620	\$5.661	\$5.702	\$5.716	\$5.695
JKL	\$53.075	\$44.725	\$48.740	\$51.685	\$51.145	\$44.675	\$47.765	\$47.040	\$47.455	\$48.110	\$48.430	\$48.515
JKL-HHub	\$44.484	\$36.086	\$39.983	\$42.806	\$42.595	\$37.225	\$42.001	\$41.420	\$41.794	\$42.408	\$42.714	\$42.820
TTF	\$64.029	\$66.544	\$67.222	\$66.977	\$66.490	\$65.400	\$61.077	\$57.858	\$56.778	\$56.121	\$55.995	\$55.902
TTF-HHub	\$55.438	\$57.905	\$58.465	\$58.098	\$57.940	\$57.950	\$55.313	\$52.238	\$51.117	\$50.419	\$50.279	\$50.207
NBP	\$47.318	\$59.532	\$67.808	\$68.573	\$68.801	\$66.126	\$56.659	\$53.176	\$51.249	\$50.783	\$50.404	\$52.348
NBP-HHub	\$38.727	\$50.893	\$59.051	\$59.694	\$60.251	\$58.676	\$50.895	\$47.556	\$45.588	\$45.081	\$44.688	\$46.653



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





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