

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 6.41	▼ \$ (0.02)	▼ \$ (0.36)

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 89.72	▼ \$ (1.41)	▼ \$ (0.5)

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 94.85	▼ \$ (1.34)	▼ \$ (0.8)

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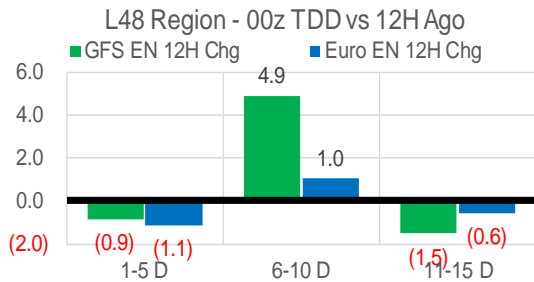
[Supply – Demand Trends](#)

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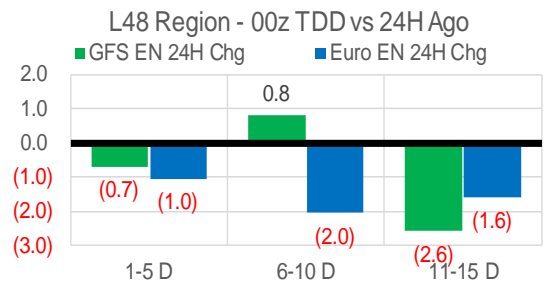
[Nat Gas Futures Open Interest](#)

[Price Summary](#)

### Vs. 12H Ago



### Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	100.7	▼ -1.74	▼ -1.47

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	31.4	▲ 0.35	▲ 0.67

	Current	Δ from YD	Δ from 7D Avg
US ResComm	11.4	▼ -2.64	▼ -3.29

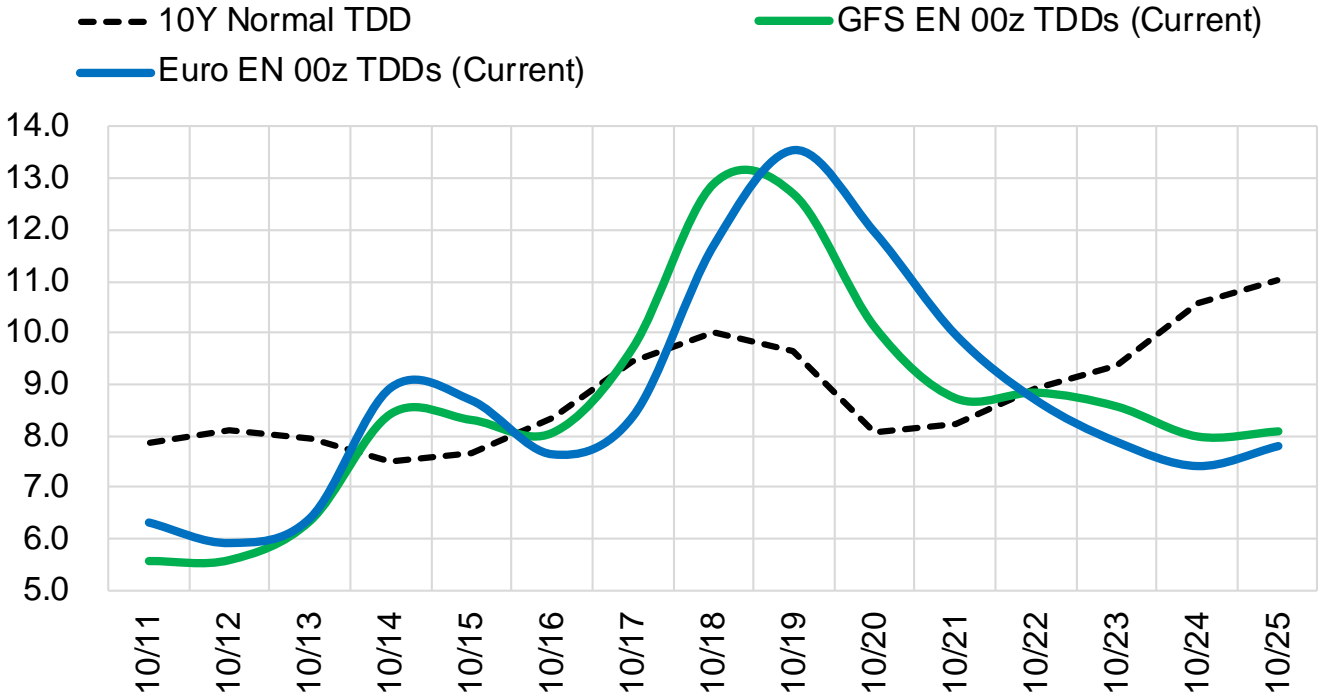
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	5.5	▲ 0.32	▼ -0.16

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	10.6	▲ 0.11	▼ -0.18

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.2	▼ -0.40	▼ -0.41

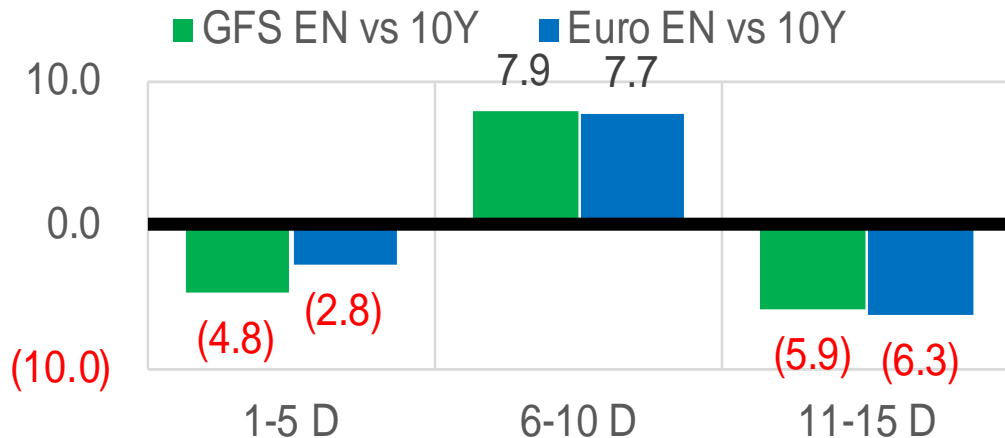
## Short-term Weather Model Outlooks (00z)

### L48 Region



### Vs. 10Y Normal

#### L48 Region - 00z TDD vs 10Y Normal



Source: WSI, Bloomberg

## Lower 48 Component Models

### Daily Balances

	5-Oct	6-Oct	7-Oct	8-Oct	9-Oct	10-Oct	11-Oct	DoD	vs. 7D
<b>Lower 48 Dry Production</b>	<b>101.5</b>	<b>101.5</b>	<b>102.3</b>	<b>102.8</b>	<b>102.7</b>	<b>102.5</b>	<b>100.7</b>	▼ -1.7	▼ -1.5
<b>Canadian Imports</b>	<b>5.8</b>	<b>5.6</b>	<b>5.5</b>	<b>5.8</b>	<b>5.8</b>	<b>5.2</b>	<b>5.5</b>	▲ 0.3	▼ -0.1
L48 Power	32.3	31.3	30.5	28.6	28.8	31.0	31.4	▲ 0.4	▲ 1.0
L48 Residential & Commercial	12.4	10.7	15.1	18.7	16.5	14.0	11.4	▼ -2.6	▼ -3.2
L48 Industrial	21.1	21.1	21.8	21.8	21.6	21.4	21.3	▼ -0.1	▼ -0.1
L48 Lease and Plant Fuel	5.7	5.7	5.7	5.7	5.7	5.7	5.6	▼ -0.1	▼ -0.1
L48 Pipeline Distribution	2.8	2.6	2.8	2.9	2.8	2.8	2.6	▼ -0.1	▼ -0.1
<b>L48 Regional Gas Consumption</b>	<b>74.3</b>	<b>71.4</b>	<b>76.0</b>	<b>77.8</b>	<b>75.4</b>	<b>75.0</b>	<b>72.3</b>	▼ -2.7	▼ -2.6
<b>Net LNG Delivered</b>	<b>10.40</b>	<b>10.17</b>	<b>10.94</b>	<b>11.27</b>	<b>11.42</b>	<b>10.46</b>	<b>10.57</b>	▲ 0.1	▼ -0.2
<b>Total Mexican Exports</b>	<b>6.8</b>	<b>6.7</b>	<b>6.6</b>	<b>6.4</b>	<b>6.3</b>	<b>6.6</b>	<b>6.2</b>	▼ -0.4	▼ -0.4
Implied Daily Storage Activity	15.8	18.8	14.3	13.2	15.4	15.6	17.1		
EIA Reported Daily Storage Activity									
Daily Model Error									

### EIA Storage Week Balances

	LY 8-Oct	9-Sep	16-Sep	23-Sep	LW 30-Sep	Current 7-Oct	WoW	vs. LY
<b>Lower 48 Dry Production</b>	<b>95.3</b>	<b>100.9</b>	<b>101.0</b>	<b>100.8</b>	<b>101.6</b>	<b>102.3</b>	▲ 0.7	▲ 7.1
<b>Canadian Imports</b>	<b>5.3</b>	<b>5.9</b>	<b>5.6</b>	<b>6.1</b>	<b>6.2</b>	<b>6.0</b>	▼ -0.2	▲ 0.7
L48 Power	32.9	41.1	37.9	37.0	31.5	30.5	▼ -1.1	-2.5
L48 Residential & Commercial	8.2	7.6	8.0	8.2	11.9	13.1	▲ 1.2	4.9
L48 Industrial	23.6	21.4	20.9	21.3	20.2	21.0	▲ 0.9	-2.6
L48 Lease and Plant Fuel	5.3	5.6	5.6	5.6	5.6	5.7	▲ 0.1	0.4
L48 Pipeline Distribution	2.5	3.0	2.8	2.8	2.7	2.7	▲ 0.0	0.1
<b>L48 Regional Gas Consumption</b>	<b>72.6</b>	<b>78.7</b>	<b>75.1</b>	<b>74.9</b>	<b>71.8</b>	<b>73.0</b>	▲ 1.1	▲ 0.4
<b>Net LNG Exports</b>	<b>9.9</b>	<b>11.3</b>	<b>11.3</b>	<b>11.5</b>	<b>11.8</b>	<b>11.0</b>	▼ -0.8	▲ 1.1
<b>Total Mexican Exports</b>	<b>6.5</b>	<b>6.6</b>	<b>6.7</b>	<b>6.6</b>	<b>6.9</b>	<b>6.6</b>	▼ -0.3	▲ 0.1
Implied Daily Storage Activity	11.5	10.2	13.4	14.0	17.2	17.7	0.5	6.2
EIA Reported Daily Storage Activity	11.6	11.0	14.7	14.7	18.4			
Daily Model Error	0.0	-0.8	-1.3	-0.7	-1.2			

### Monthly Balances

	2Yr Ago Oct-20	LY Oct-21	Jun-22	Jul-22	Aug-22	Sep-22	MTD Oct-22	MoM	vs. LY
<b>Lower 48 Dry Production</b>	<b>88.5</b>	<b>95.5</b>	<b>97.3</b>	<b>97.7</b>	<b>99.1</b>	<b>101.1</b>	<b>102.5</b>	▲ 1.4	▲ 7.0
<b>Canadian Imports</b>	<b>4.3</b>	<b>5.4</b>	<b>5.7</b>	<b>5.9</b>	<b>5.4</b>	<b>5.9</b>	<b>5.8</b>	▼ -0.1	▲ 0.4
L48 Power	30.6	30.4	38.3	44.3	43.1	36.8	30.3	▼ -6.6	▼ -0.1
L48 Residential & Commercial	15.5	12.6	8.9	8.3	8.0	9.0	14.3	▲ 5.3	▲ 1.7
L48 Industrial	22.7	21.7	19.1	19.8	21.1	21.0	21.3	▲ 0.3	▼ -0.4
L48 Lease and Plant Fuel	4.8	5.3	5.5	5.5	5.5	5.6	5.7	▲ 0.1	▲ 0.4
L48 Pipeline Distribution	2.5	2.7	2.9	3.1	3.0	2.8	2.7	▼ -0.1	▲ 0.1
<b>L48 Regional Gas Consumption</b>	<b>76.1</b>	<b>72.7</b>	<b>74.6</b>	<b>81.0</b>	<b>80.8</b>	<b>75.2</b>	<b>74.3</b>	▼ -0.9	▲ 1.7
<b>Net LNG Exports</b>	<b>8.0</b>	<b>10.6</b>	<b>11.2</b>	<b>10.9</b>	<b>11.0</b>	<b>11.5</b>	<b>10.9</b>	▼ -0.6	▲ 0.3
<b>Total Mexican Exports</b>	<b>6.0</b>	<b>6.6</b>	<b>7.1</b>	<b>7.0</b>	<b>6.9</b>	<b>6.7</b>	<b>6.6</b>	▼ -0.1	▼ -0.1
Implied Daily Storage Activity	2.7	11.0	10.0	4.7	5.8	13.6	16.5		
EIA Reported Daily Storage Activity									
Daily Model Error					0.0				

Source: Bloomberg, analytix.ai

## Daily Average Generation Data

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

	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	8-Oct	9-Oct	DoD	vs. 7D
NRC Nuclear Daily Output	79.7	80.8	81.3	80.3	80.4	80.4	80.4	0.0	-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	25.2	24.1	23.6	24.6	24.5	24.5	24.5	0.0	0.1
NRC % Nuclear Cap Utilization	81.1	82.2	82.6	81.7	81.7	81.7	81.7	0.0	-0.1

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

	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	8-Oct	9-Oct	DoD	vs. 7D
CALI Wind	1633	1077	913	944	849	721	1017	295	-6
TEXAS Wind	5616	6402	5625	2846	5814	5767	4410	-1356	-935
US Wind	34235	25876	18800	26688	28793	26289	27018	729	238

### Generation Daily Average - MWh (EIA)

	3-Oct	4-Oct	5-Oct	6-Oct	7-Oct	8-Oct	9-Oct	DoD	vs. 7D
US Wind	34235	25876	18800	26688	28793	26289	27018	729	238
US Solar	14298	15325	15180	15248	13635	13430	13747	316	-773
US Petroleum	759	850	765	455	413	502	770	268	146
US Other	10646	10673	10494	10391	10664	10397	10576	179	32
US Coal	74706	76643	80744	80895	78090	72596	71656	-940	-5623
US Nuke	81026	81914	82186	81485	76599	72444	71770	-673	-7505
US Hydro	21982	21964	22518	21243	20386	18289	17842	-447	-3222
<b>US Gas</b>	<b>176075</b>	<b>185799</b>	<b>188968</b>	<b>183170</b>	<b>161941</b>	<b>148419</b>	<b>146818</b>	<b>-1601</b>	<b>-27244</b>

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Storage Week Average Generation Data

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

	8-Oct	9-Sep	16-Sep	23-Sep	30-Sep	7-Oct	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	82.1	87.5	86.0	86.7	84.9	80.5	-4.4	0.8
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	22.7	17.4	18.9	18.1	20.0	24.4	4.4	
NRC % Nuclear Cap Utilization	83.5	88.9	87.4	88.2	86.4	81.9	-4.5	

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

	8-Oct	9-Sep	16-Sep	23-Sep	30-Sep	7-Oct	WoW	WoW Bcf/d Impact
CALI Wind	1099	1285	2033	1941	1208	1370	162	0.0
TEXAS Wind	4890	4092	8875	11580	8083	6160	-1923	0.4
US Wind	20468	27253	37396	47947	40601	32703	-7898	1.5
							-19%	
							-0.2	

### Generation Weekly Average - MWh (EIA)

	8-Oct	9-Sep	16-Sep	23-Sep	30-Sep	7-Oct	LY	Current	WoW	WoW Bcf/d Impact
US Wind	20468	27253	37396	47947	40601	32703			-7898	1.5
US Solar	11296	16138	14887	17244	16635	15257			-1378	0.3
US Petroleum	949	1105	1029	1010	379	664			286	-0.1
US Other	10985	9948	10065	10826	11151	10588			-564	0.1
US Coal	100817	105981	91209	92461	77587	75007			-2580	0.5
US Nuke	83696	89638	88711	89298	86646	84503			-2143	0.4
US Hydro	24553	27950	25849	23537	23101	21639			-1462	0.3
<b>US Gas</b>	<b>179856</b>	<b>227619</b>	<b>201189</b>	<b>197536</b>	<b>171899</b>	<b>170991</b>			<b>-907</b>	<b>-0.2</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		Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Jul-22	Aug-22	Sep-22	Oct-22			
	NRC Nuclear Daily Output	84.6	83.6	90.6	90.5	86.2			
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	20.3	21.3	14.3	14.3	18.7	24.5	21.2	5.9	-0.1
NRC % Nuclear Cap Utilization	86.0	85.0	92.1	92.1	87.7	81.7	85.1	-6.0	0.1

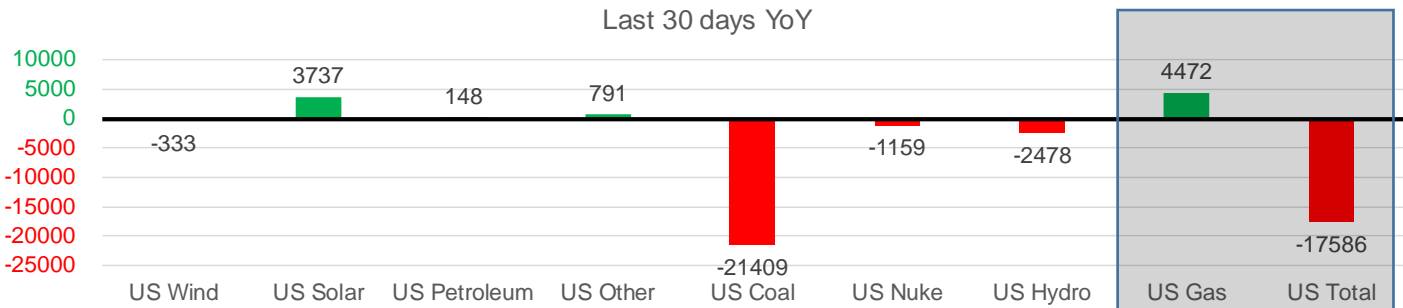
### Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago		LY		MTD		Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Jul-22	Aug-22	Sep-22	Oct-22			
	CALI Wind	1490	2045	2719	2028	1608			
TEXAS Wind	7064	9408	11765	8440	7993	5446	8194	-2547	-1215
US Wind	33194	38667	39701	33222	38111	29015	38333	-9096	-333

### Generation Monthly Average - MWh (EIA)

	2Yr Ago		LY		MTD		Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Jul-22	Aug-22	Sep-22	Oct-22			
	US Wind	33194	38667	39701	33222	38111			
US Solar	9073	12203	18599	16965	16179	14526	15940	▲ 1413.5	▲ 3737
US Petroleum	987	571	1252	1253	864	669	720	▲ 50	▲ 148
US Other	8114	9948	10142	10543	10489	10550	10739	▲ 189	▲ 791
US Coal	78429	102649	119788	117200	92001	74200	81240	▲ 7040	▼ -21409
US Nuke	87818	85952	92883	92976	89052	77794	84793	▲ 6999	▼ -1159
US Hydro	25243	24838	34227	30121	25197	19912	22360	▲ 2449	▼ -2478
<b>US Gas</b>	<b>170982</b>	<b>173071</b>	<b>235752</b>	<b>233741</b>	<b>199964</b>	<b>161572</b>	<b>177543</b>	<b>▲ 27459</b>	<b>▲ 4472</b>
<b>US Total</b>	<b>412069</b>	<b>447995</b>	<b>551815</b>	<b>535704</b>	<b>470451</b>	<b>388292</b>	<b>430409</b>	<b>▲ 45599</b>	<b>▼ -17586</b>

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Regional S/D Models Storage Projection

Week Ending 7-Oct

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	18.9	0.0	18.8	132
East	0.7	2.4	3.1	22
Midwest	4.8	0.5	5.3	37
Mountain	5.4	-4.3	1.1	8
South Central	7.0	1.7	8.7	61
Pacific	0.9	-0.3	0.5	4

\*Adjustment Factor is calculated based on historical regional deltas

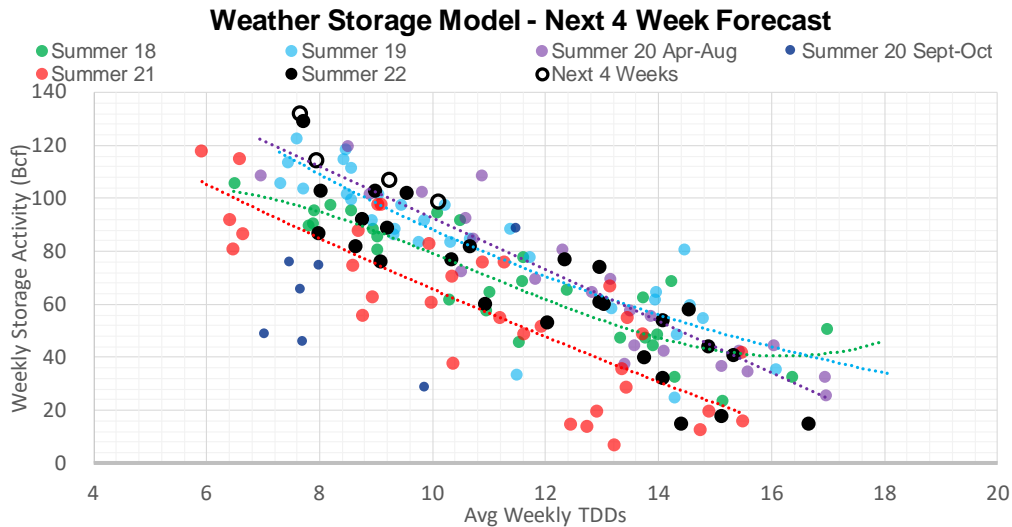
U.S. underground natural gas storage facilities by type (July 2015)



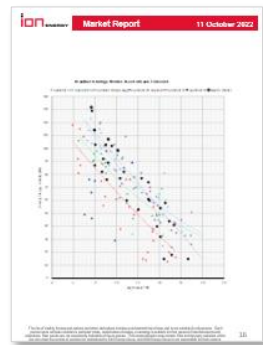
## Weather Model Storage Projection

Next report  
and beyond

Week Ending	GWDDs	Week Storage Projection
07-Oct	7.7	132
14-Oct	8.0	114
21-Oct	10.1	98
28-Oct	9.3	107

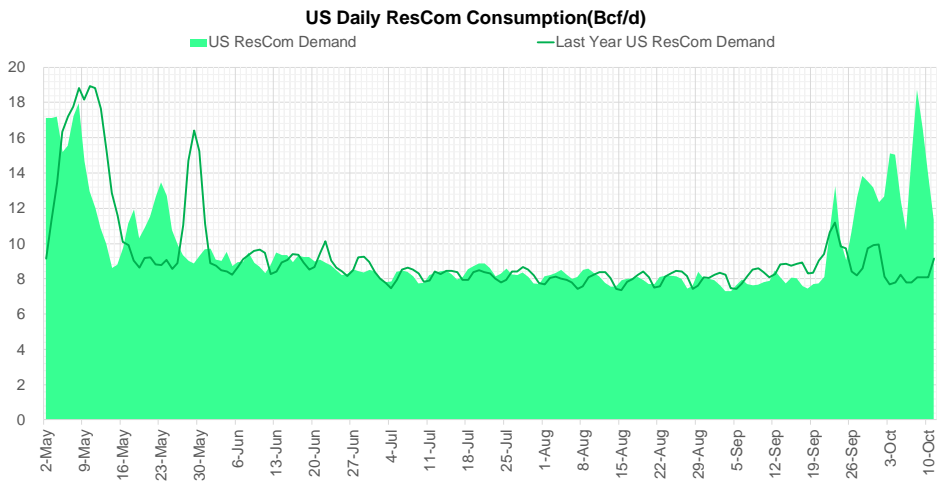
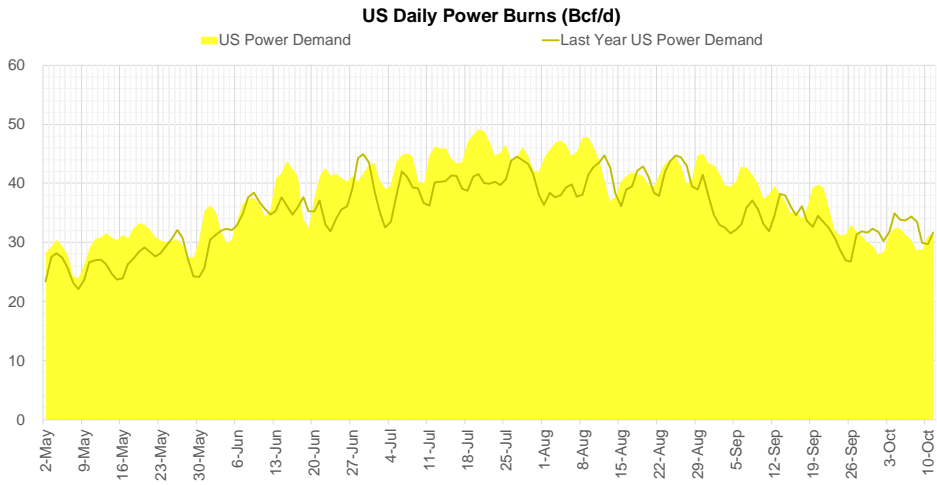
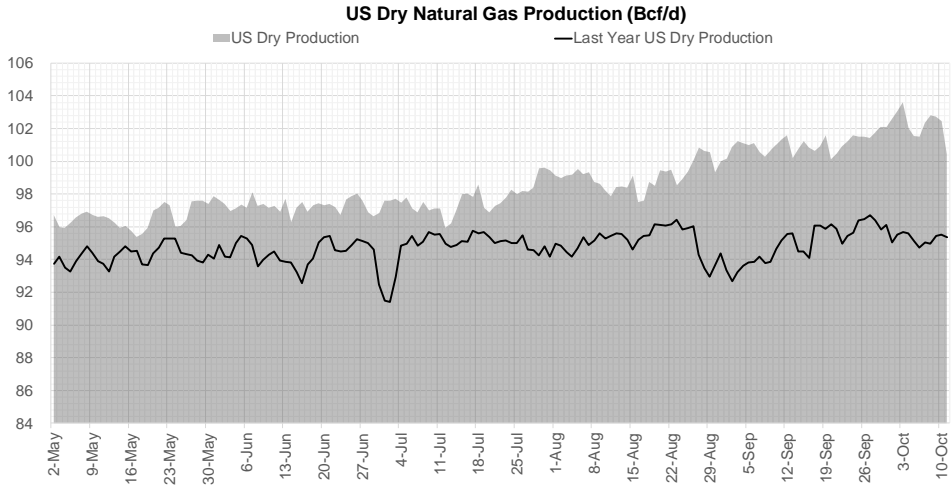


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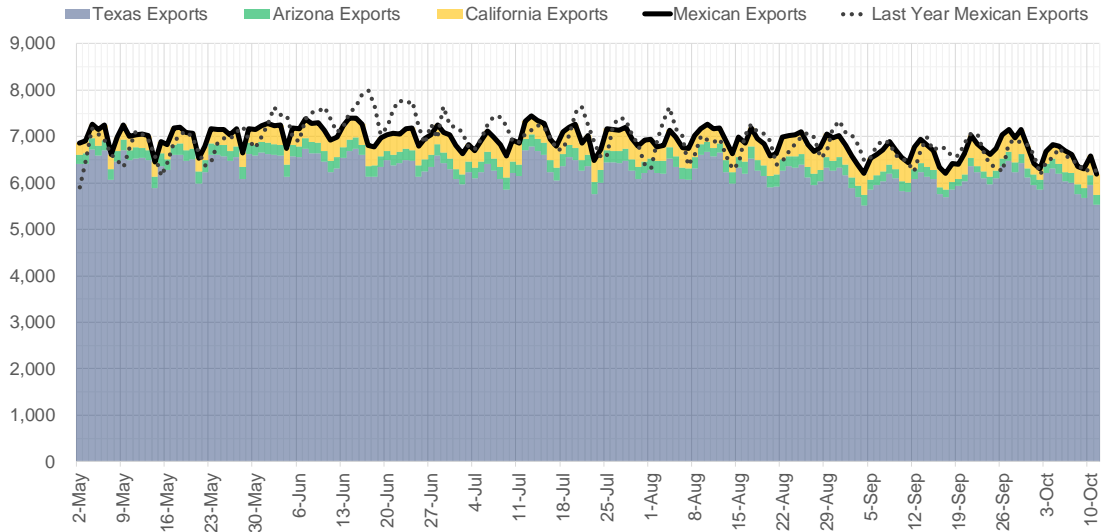
## Supply – Demand Trends



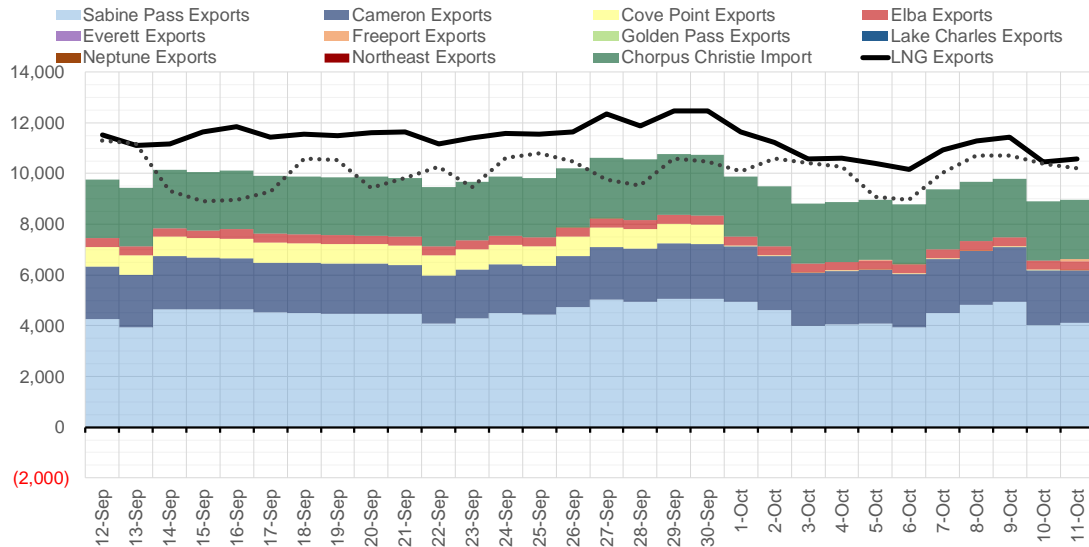
Source: Bloomberg

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### Mexican Exports (MMcf/d)



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



Source: Bloomberg

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

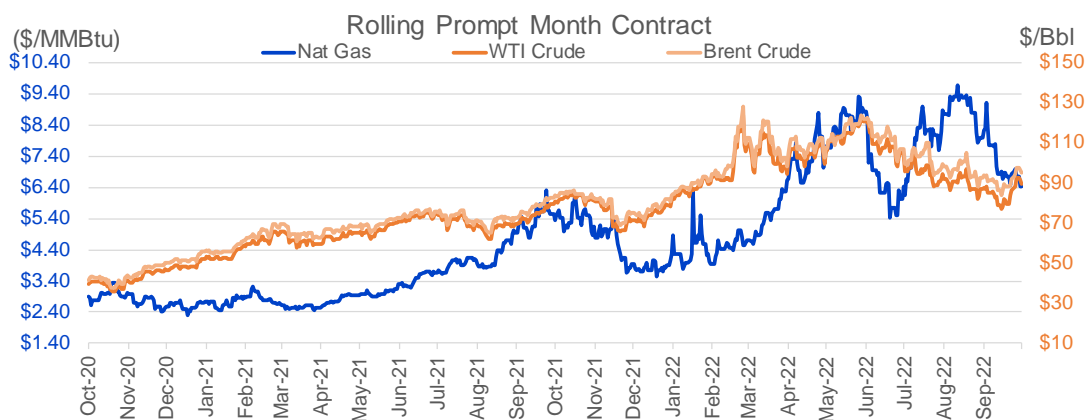
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
11	2022	C	10.00	7667	3	2023	C	10.00	26603
11	2022	P	5.75	5722	12	2022	P	4.00	26602
11	2022	P	5.65	5075	11	2022	P	6.00	25775
11	2022	P	5.50	4345	12	2022	P	5.00	25402
11	2022	C	9.00	3945	11	2022	C	10.00	24848
11	2022	C	8.00	3754	11	2022	P	4.00	24546
11	2022	P	5.25	2702	12	2022	P	6.00	24164
11	2022	P	6.00	2434	5	2023	P	2.00	22592
12	2022	P	5.00	2360	11	2022	P	5.00	21396
3	2023	P	4.00	1650	4	2023	P	3.00	20819
11	2022	P	6.50	1623	10	2023	P	3.00	20504
12	2022	P	5.50	1338	3	2023	P	4.00	19905
3	2023	P	3.00	1100	3	2023	C	20.00	19447
4	2023	P	4.00	1100	1	2023	C	10.00	19308
5	2023	P	4.00	1100	10	2023	P	2.50	18850
6	2023	P	4.00	1100	11	2022	C	8.00	18302
7	2023	P	4.00	1100	12	2022	C	5.00	18227
8	2023	P	4.00	1100	4	2023	P	3.50	17966
9	2023	P	4.00	1100	10	2023	P	4.00	17896
10	2023	P	4.00	1100	1	2023	P	4.00	17456
12	2022	P	3.50	1053	11	2022	C	12.00	17427
11	2022	C	7.00	1002	6	2023	P	3.00	17380
12	2022	C	9.00	981	3	2023	P	3.00	17261
2	2023	P	6.00	965	11	2022	P	5.50	17202
12	2022	C	8.00	947	5	2023	P	3.00	17183
2	2023	C	15.00	877	12	2022	C	10.00	17150
12	2022	P	6.50	876	2	2023	C	10.00	17088
11	2022	C	11.00	852	12	2022	P	5.50	16690
1	2023	P	6.00	816	5	2023	P	3.50	16690
11	2022	C	8.25	810	3	2023	P	2.75	16450
12	2023	P	4.00	800	2	2023	C	9.00	16254
4	2023	P	3.00	750	4	2023	P	4.00	16248
5	2023	P	3.00	750	9	2023	P	4.00	16196
6	2023	P	3.00	750	12	2022	C	4.00	16195
7	2023	P	3.00	750	11	2022	P	6.50	15787
8	2023	P	3.00	750	11	2022	C	4.00	15755
9	2023	P	3.00	750	8	2023	P	3.50	15747
10	2023	P	3.00	750	6	2023	P	3.50	15740
11	2022	C	7.50	719	10	2023	P	3.50	15734
3	2023	C	20.00	718	7	2023	P	3.50	15715
12	2022	C	10.00	695	9	2023	P	3.50	15705
11	2022	P	5.00	692	1	2023	P	5.00	15509
3	2023	P	6.00	690	10	2023	P	2.00	15503
1	2023	P	4.00	655	7	2023	P	3.00	15490
2	2023	C	7.50	651	4	2023	P	2.00	15353
2	2023	P	4.00	651	8	2023	P	3.00	15290
12	2022	P	5.80	571	9	2023	P	3.00	15290
12	2022	P	6.00	569	7	2023	P	4.00	15184
1	2023	P	2.75	500	12	2022	P	7.00	15072
					5	2023	P	4	14843

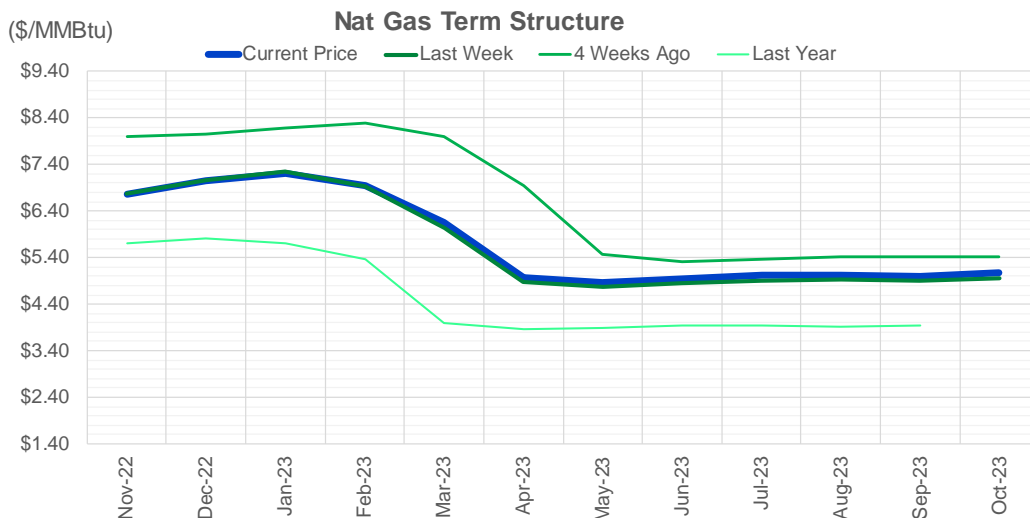
Source: CME, ICE

## 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
NOV 22	131060	139270	-8210	NOV 22	66526	66606	-81
DEC 22	70878	71021	-143	DEC 22	76067	75311	756
JAN 23	101123	98882	2241	JAN 23	71099	70795	304
FEB 23	48105	46128	1977	FEB 23	65173	65389	-216
MAR 23	80957	79682	1275	MAR 23	57408	57812	-405
APR 23	77197	77453	-256	APR 23	54889	54424	465
MAY 23	83482	82593	889	MAY 23	55381	55272	109
JUN 23	24423	24313	110	JUN 23	46040	45798	242
JUL 23	27658	27056	602	JUL 23	46434	46374	60
AUG 23	20668	20812	-144	AUG 23	44723	44717	6
SEP 23	25135	24598	537	SEP 23	41728	41468	260
OCT 23	56083	56612	-529	OCT 23	55259	54864	396
NOV 23	21557	21303	254	NOV 23	47175	47217	-42
DEC 23	19485	18125	1360	DEC 23	40431	40499	-68
JAN 24	31667	30453	1214	JAN 24	44004	43348	656
FEB 24	9142	9226	-84	FEB 24	30826	30848	-22
MAR 24	19467	20105	-638	MAR 24	35989	36223	-235
APR 24	17849	18199	-350	APR 24	29850	29905	-55
MAY 24	8301	8344	-43	MAY 24	28330	28338	-8
JUN 24	2975	2957	18	JUN 24	25713	25706	8
JUL 24	3999	4026	-27	JUL 24	25242	25249	-8
AUG 24	3813	3813	0	AUG 24	24994	24986	8
SEP 24	2433	2402	31	SEP 24	24689	24681	8
OCT 24	8812	8842	-30	OCT 24	29035	28796	239
NOV 24	4968	4969	-1	NOV 24	26061	26046	15
DEC 24	8210	8211	-1	DEC 24	29951	29935	16
JAN 25	17430	17421	9	JAN 25	23245	23288	-43
FEB 25	1651	1649	2	FEB 25	15816	15814	2
MAR 25	5159	5159	0	MAR 25	17971	18056	-85
APR 25	5276	5278	-2	APR 25	16315	16342	-27

Source: CME, ICE



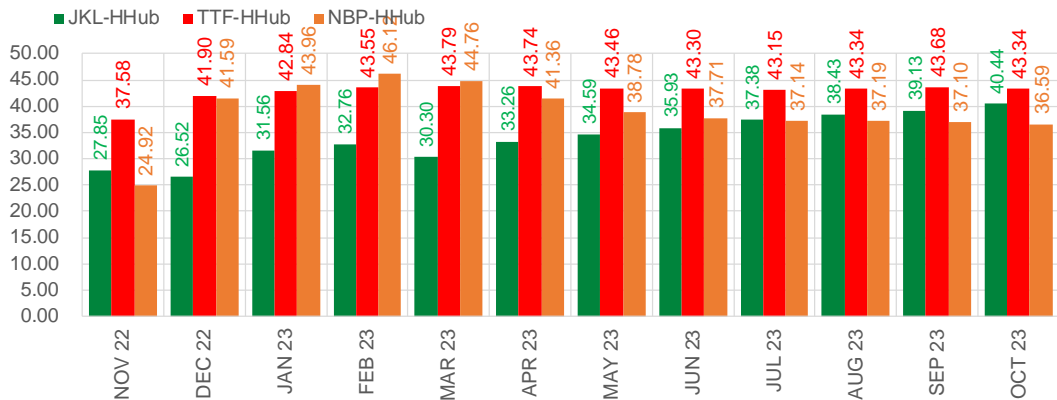
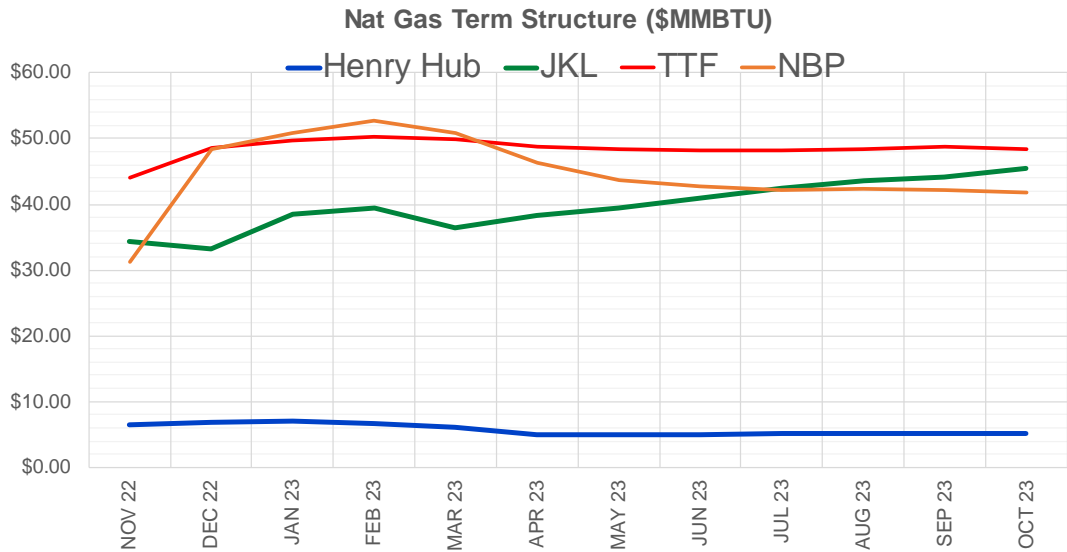


	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
<b>Current Price</b>	<b>\$6.748</b>	<b>\$7.047</b>	<b>\$7.203</b>	<b>\$6.940</b>	<b>\$6.161</b>	<b>\$4.976</b>	<b>\$4.872</b>	<b>\$4.950</b>	<b>\$5.027</b>	<b>\$5.032</b>	<b>\$4.993</b>	<b>\$5.065</b>
Last Week	\$6.766	\$7.065	\$7.247	\$6.937	\$6.028	\$4.887	\$4.784	\$4.848	\$4.914	\$4.924	\$4.894	\$4.965
vs. Last Week	-\$0.018	-\$0.018	-\$0.044	\$0.003	\$0.133	\$0.089	\$0.088	\$0.102	\$0.113	\$0.108	\$0.099	\$0.100
4 Weeks Ago	\$7.996	\$8.044	\$8.183	\$8.278	\$7.989	\$6.953	\$5.469	\$5.319	\$5.366	\$5.417	\$5.430	\$5.413
vs. 4 Weeks Ago	-\$1.248	-\$0.997	-\$0.980	-\$1.338	-\$1.828	-\$1.977	-\$0.597	-\$0.369	-\$0.339	-\$0.385	-\$0.437	-\$0.348
Last Year	\$5.565	\$5.710	\$5.806	\$5.701	\$5.370	\$3.996	\$3.854	\$3.891	\$3.931	\$3.936	\$3.916	\$3.948
vs. Last Year	\$1.183	\$1.337	\$1.397	\$1.239	\$0.791	\$0.980	\$1.018	\$1.059	\$1.096	\$1.096	\$1.077	\$1.117

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	6.24	10.34	4.10
TETCO M3	\$/MMBtu	5.30	6.00	0.70
FGT Zone 3	\$/MMBtu	5.45	7.10	1.65
Zone 6 NY	\$/MMBtu	5.45	6.17	0.72
Chicago Citygate	\$/MMBtu	5.53	5.98	0.45
Michcon	\$/MMBtu	5.59	5.83	0.24
Columbia TCO Pool	\$/MMBtu	5.28	5.57	0.29
Ventura	\$/MMBtu	5.38	6.07	0.69
Rockies/Opal	\$/MMBtu	5.40	5.73	0.33
El Paso Permian Basin	\$/MMBtu	3.50	4.02	0.52
Socal Citygate	\$/MMBtu	7.61	6.32	-1.29
Malin	\$/MMBtu	5.00	6.15	1.15
Houston Ship Channel	\$/MMBtu	5.56	6.21	0.65
Henry Hub Cash	\$/MMBtu	6.25	5.61	-0.64
AECO Cash	C\$/GJ	2.04	4.01	1.97
Station2 Cash	C\$/GJ	2.08	6.80	4.72
Dawn Cash	C\$/GJ	5.69	6.08	0.39

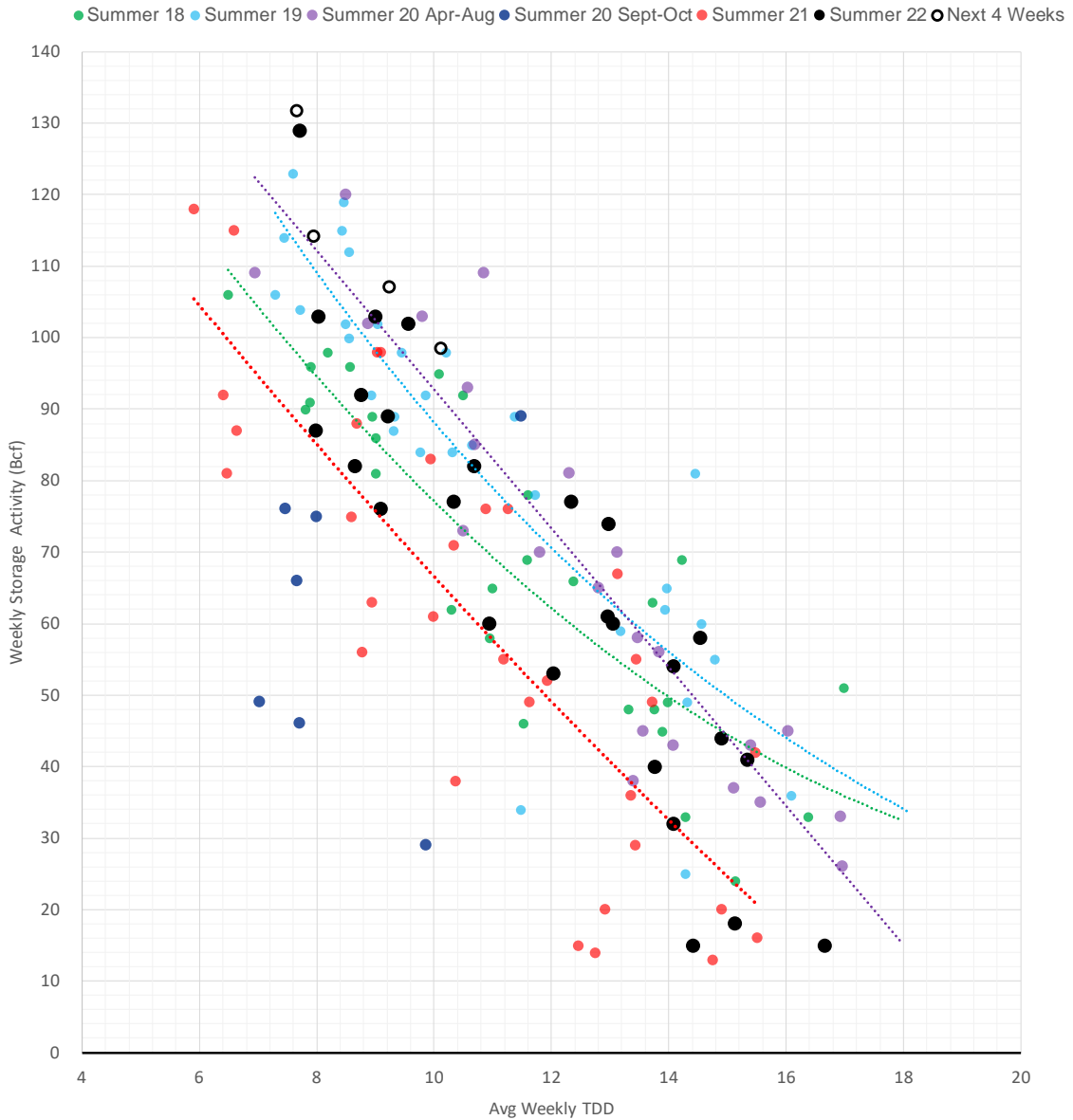
Source: CME, Bloomberg

	Units	Current Price	vs. Last Week	vs. 4 Weeks Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 0.000
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.857
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -1.573
NatGas Apr22/Oct22	\$/MMBtu	1.532	▲ 0.000	▼ -1.381	▲ 1.550
WTI Crude	\$/Bbl	91.13	▲ 7.500	▲ 3.350	▲ 10.610
Brent Crude	\$/Bbl	96.19	▲ 7.330	▲ 2.190	▲ 12.540
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	391.47	▲ 54.560	▲ 31.160	▲ 139.970
Propane, Mt. Bel	cents/Gallon	0.88	▲ 0.025	▼ -0.172	▼ -0.591
Ethane, Mt. Bel	cents/Gallon	0.42	▲ 0.026	▼ -0.094	▼ -0.013
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			



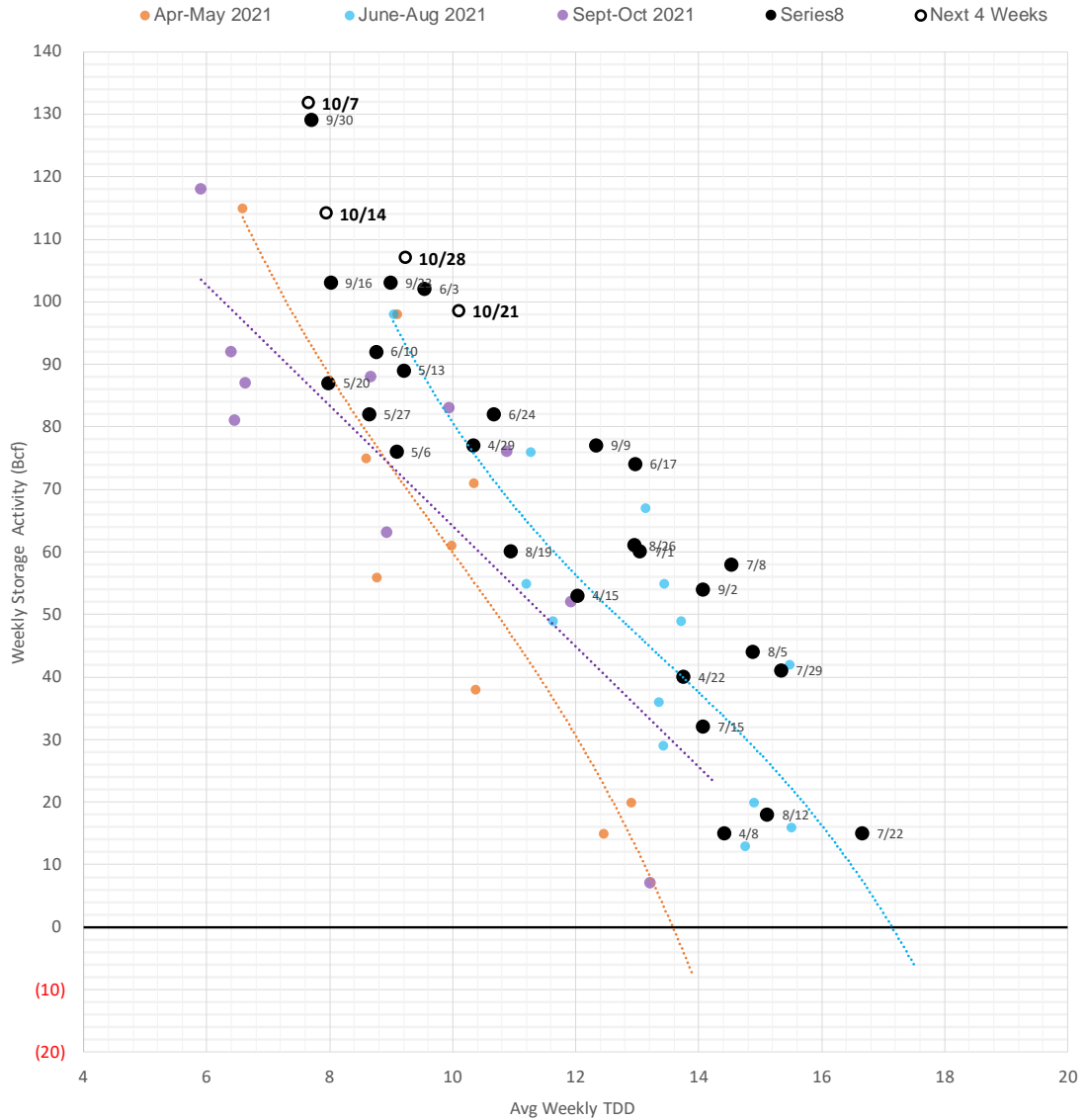
	NOV 22	DEC 22	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23	AUG 23	SEP 23	OCT 23
<b>Henry Hub</b>	\$6.411	\$6.766	\$6.954	\$6.690	\$6.044	\$4.991	\$4.900	\$4.975	\$5.070	\$5.095	\$5.062	\$5.117
<b>JKL</b>	\$34.260	\$33.285	\$38.515	\$39.450	\$36.345	\$38.255	\$39.490	\$40.905	\$42.450	\$43.525	\$44.190	\$45.555
<b>JKL-HHub</b>	\$27.849	\$26.519	\$31.561	\$32.760	\$30.301	\$33.264	\$34.590	\$35.930	\$37.380	\$38.430	\$39.128	\$40.438
<b>TTF</b>	\$43.988	\$48.664	\$49.795	\$50.237	\$49.837	\$48.733	\$48.355	\$48.279	\$48.223	\$48.431	\$48.743	\$48.454
<b>TTF-HHub</b>	\$37.577	\$41.898	\$42.841	\$43.547	\$43.793	\$43.742	\$43.455	\$43.304	\$43.153	\$43.336	\$43.681	\$43.337
<b>NBP</b>	\$31.335	\$48.351	\$50.915	\$52.811	\$50.804	\$46.354	\$43.676	\$42.680	\$42.209	\$42.284	\$42.159	\$41.709
<b>NBP-HHub</b>	\$24.924	\$41.585	\$43.961	\$46.121	\$44.760	\$41.363	\$38.776	\$37.705	\$37.139	\$37.189	\$37.097	\$36.592

## Weather Storage Model - Next 4 Week Forecast





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