

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 6.95	▲ \$ 0.08	▲ \$ 0.09

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 82.27	▲ \$ 0.12	▲ \$ 2.7

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 89.46	▲ \$ 0.14	▲ \$ 2.5

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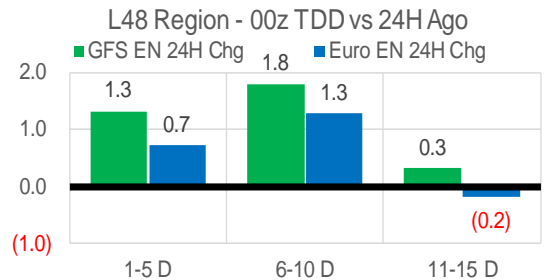
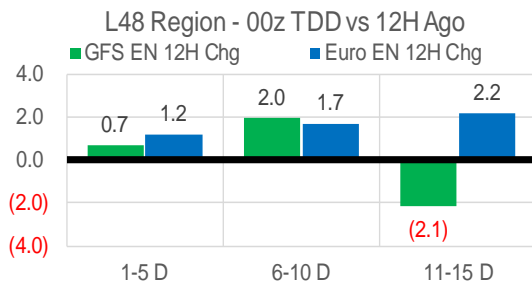
[Nat Gas Options Volume and Open Interest](#)

[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	▼ -0.60	▼ -0.19

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	31.2	▼ -0.08	▼ -1.05

	Current	Δ from YD	Δ from 7D Avg
US ResComm	12.2	▼ -1.84	▲ 0.48

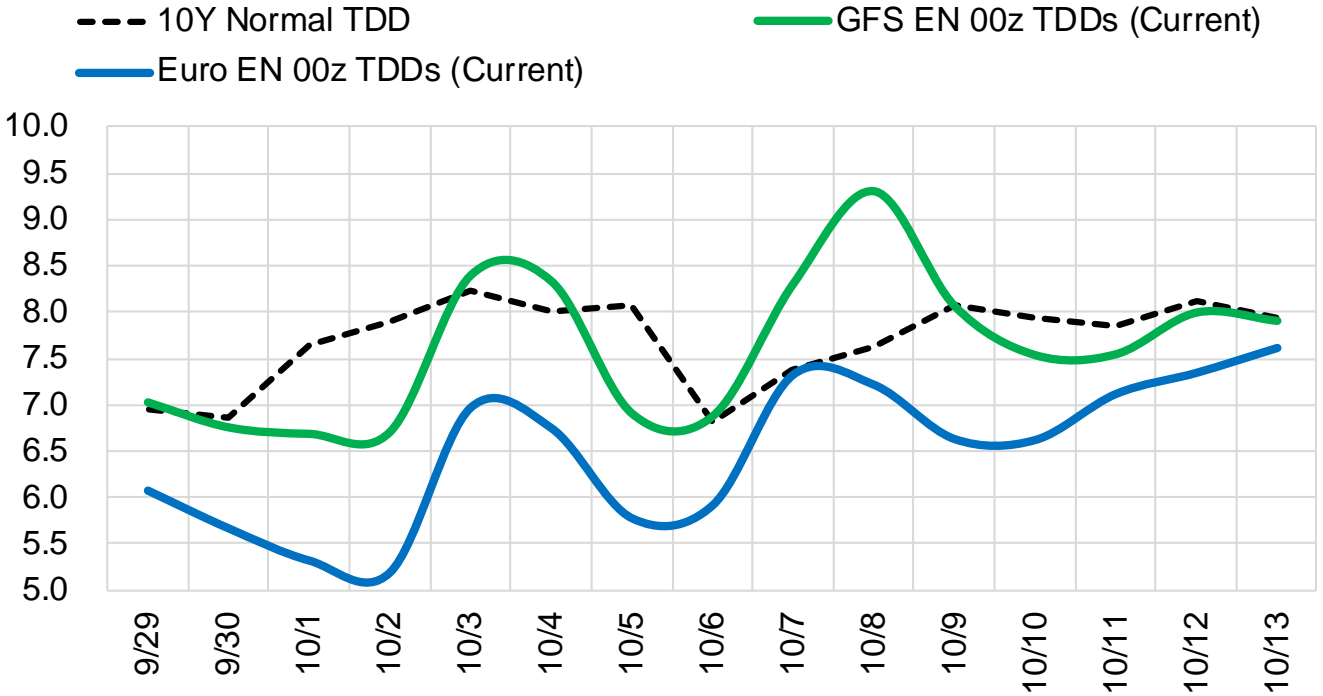
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	6.2	▲ 0.07	▲ 0.08

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	12.2	▲ 0.29	▲ 0.59

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.4	▼ -0.52	▼ -0.35

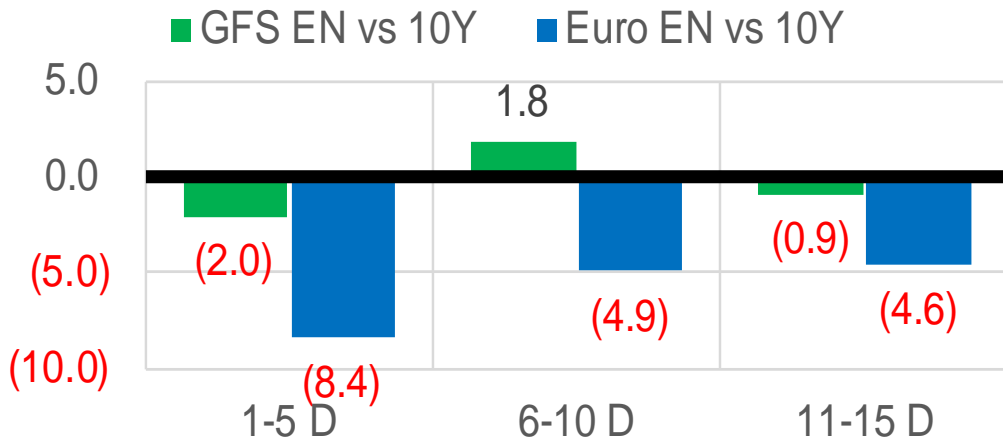
## Short-term Weather Model Outlooks (00z)

### L48 Region



### Vs. 10Y Normal

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



Source: WSI, Bloomberg

## Lower 48 Component Models

### Daily Balances

	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep	29-Sep	DoD	vs. 7D
<b>Lower 48 Dry Production</b>	<b>100.7</b>	<b>101.1</b>	<b>101.0</b>	<b>100.9</b>	<b>100.9</b>	<b>101.3</b>	<b>100.7</b>	▼-0.6	▼-0.3
<b>Canadian Imports</b>	<b>6.1</b>	<b>6.0</b>	<b>6.1</b>	<b>6.2</b>	<b>6.3</b>	<b>6.2</b>	<b>6.2</b>	▲0.1	▲0.1
L48 Power	32.1	30.9	30.9	32.8	32.0	31.2	31.2	▼-0.1	▼-0.5
L48 Residential & Commercial	13.5	10.5	9.4	10.9	12.8	14.0	12.2	▼-1.8	▲0.3
L48 Industrial	21.3	20.6	20.4	20.4	20.8	21.1	21.1	▲0.0	▲0.3
L48 Lease and Plant Fuel	5.5	5.5	5.5	5.5	5.5	5.5	5.4	▼0.0	▼0.0
L48 Pipeline Distribution	2.5	2.3	2.2	2.4	2.5	2.5	2.4	▼-0.1	▼0.0
<b>L48 Regional Gas Consumption</b>	<b>74.9</b>	<b>69.8</b>	<b>68.4</b>	<b>72.0</b>	<b>73.5</b>	<b>74.4</b>	<b>72.3</b>	▼-2.0	▲0.1
<b>Net LNG Delivered</b>	<b>11.40</b>	<b>11.57</b>	<b>11.56</b>	<b>11.63</b>	<b>12.35</b>	<b>11.96</b>	<b>12.25</b>	▲0.3	▲0.5
<b>Total Mexican Exports</b>	<b>6.7</b>	<b>6.5</b>	<b>6.3</b>	<b>6.9</b>	<b>7.1</b>	<b>6.9</b>	<b>6.4</b>	▼-0.5	▼-0.3
Implied Daily Storage Activity	13.8	19.2	20.9	16.6	14.2	14.2	16.0		
EIA Reported Daily Storage Activity									
Daily Model Error									

### EIA Storage Week Balances

	LY 24-Sep	26-Aug	2-Sep	9-Sep	LW 16-Sep	Current 23-Sep	WoW	vs. LY
<b>Lower 48 Dry Production</b>	<b>94.2</b>	<b>98.6</b>	<b>99.8</b>	<b>100.4</b>	<b>100.4</b>	<b>100.2</b>	▼-0.2	▲6.0
<b>Canadian Imports</b>	<b>5.2</b>	<b>5.4</b>	<b>5.7</b>	<b>5.8</b>	<b>5.5</b>	<b>6.1</b>	▲0.6	▲0.9
L48 Power	33.4	41.2	42.6	41.1	37.9	37.0	▼-0.9	3.6
L48 Residential & Commercial	9.4	8.2	8.2	7.9	8.3	8.5	▲0.2	-0.9
L48 Industrial	20.3	21.0	21.9	21.1	20.3	21.3	▲1.0	1.0
L48 Lease and Plant Fuel	5.1	5.4	5.4	5.4	5.4	5.4	▼0.0	0.3
L48 Pipeline Distribution	2.4	2.6	2.7	2.7	2.6	2.5	▼0.0	0.1
<b>L48 Regional Gas Consumption</b>	<b>70.5</b>	<b>78.5</b>	<b>80.8</b>	<b>78.3</b>	<b>74.5</b>	<b>74.7</b>	▲0.2	▲4.2
<b>Net LNG Exports</b>	<b>9.9</b>	<b>11.1</b>	<b>10.9</b>	<b>11.3</b>	<b>11.3</b>	<b>11.5</b>	▲0.2	▲1.6
<b>Total Mexican Exports</b>	<b>6.8</b>	<b>6.9</b>	<b>6.9</b>	<b>6.6</b>	<b>6.7</b>	<b>6.6</b>	▼-0.1	▼-0.2
Implied Daily Storage Activity	12.1	7.6	7.0	10.2	13.4	13.5	0.1	1.4
EIA Reported Daily Storage Activity	12.6	8.7	7.7	11.0	14.7			
Daily Model Error	-0.5	-1.1	-0.7	-0.8	-1.3			

### 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>97.1</b>	<b>98.6</b>	<b>100.5</b>	▲1.9	▲6.9
<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	▲0.7
L48 Power	34.4	33.1	29.8	38.0	43.7	42.6	37.3	▼-5.3	▲4.2
L48 Residential & Commercial	8.9	8.7	12.4	9.1	9.0	8.3	9.0	▲0.7	▲0.3
L48 Industrial	19.9	20.2	19.7	18.7	19.5	21.3	20.9	▼-0.4	▲0.7
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	2.6	▼-0.1	▲0.2
<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>80.3</b>	<b>75.2</b>	▼-5.1	▲5.7
<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>11.4</b>	▲0.5	▲1.1
<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>6.6</b>	▼-0.3	▼-0.1
Implied Daily Storage Activity	10.3	12.1	11.9	10.2	4.9	5.8	13.1		
EIA Reported Daily Storage Activity									
Daily Model Error					0.2				

Source: Bloomberg, analytix.ai

## Daily Average Generation Data

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

	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	DoD	vs. 7D
NRC Nuclear Daily Output	87.1	87.1	87.4	87.4	85.9	84.7	84.6	-0.1	-2.0
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	17.8	17.8	17.5	17.5	19.0	20.2	20.2	0.1	2.0
NRC % Nuclear Cap Utilization	88.6	88.5	88.9	88.9	87.3	86.1	86.1	-0.1	-2.0

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

	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	DoD	vs. 7D
CALI Wind	2218	1361	665	524	1065	1065	1065	0	-85
TEXAS Wind	8907	6079	8364	9992	8447	8447	8447	0	74
US Wind	50945	42787	43013	37865	46532	46532	46532	0	1919

### Generation Daily Average - MWh (EIA)

	21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	DoD	vs. 7D
US Wind	50945	42787	43013	37865	46532	46532	46532	0	1919
US Solar	16161	16967	17621	16824	15717	15717	15717	0	-784
US Petroleum	979	982	786	293	293	293	293	0	-311
US Other	10808	10226	9960	9804	9851	9851	9851	0	-232
US Coal	98768	94154	81827	77483	71986	71986	71986	0	-10715
US Nuke	89445	89700	90408	89058	89132	89132	89132	0	-347
US Hydro	24379	22144	22010	21182	21834	21834	21834	0	-396
<b>US Gas</b>	<b>212184</b>	<b>195314</b>	<b>172320</b>	<b>164752</b>	<b>165188</b>	<b>165188</b>	<b>165188</b>	<b>0</b>	<b>-13969</b>

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Storage Week Average Generation Data

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

	24-Sep	26-Aug	2-Sep	9-Sep	16-Sep	23-Sep	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	85.9	90.3	89.6	87.5	86.0	86.7	0.8	-0.1
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	19.0	14.5	15.2	17.4	18.9	18.1	-0.8	
NRC % Nuclear Cap Utilization	87.3	91.9	91.2	88.9	87.4	88.2	0.8	

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

	24-Sep	26-Aug	2-Sep	9-Sep	16-Sep	23-Sep	WoW	WoW Bcf/d Impact
CALI Wind	1936	2324	1825	1285	2033	1941	-92	0.0
TEXAS Wind	9780	5879	6839	4092	8875	11580	2706	-0.5
US Wind	43289	23582	36122	27253	37396	47934	10538	-1.9
							28%	
						0.3		

### Generation Weekly Average - MWh (EIA)

	24-Sep	26-Aug	2-Sep	9-Sep	16-Sep	23-Sep	YoY	WoW Bcf/d Impact
					LY	Current		
US Wind	43289	23582	36122	27253	37396	47934	10538	-1.9
US Solar	12204	15772	17073	16144	14887	16867	1980	-0.4
US Petroleum	415	1047	1075	1105	1029	1010	-18	0.0
US Other	9130	10337	10580	9948	9945	10663	717	-0.1
US Coal	108923	114538	113005	105982	91205	92421	1217	-0.2
US Nuke	88789	92904	92018	89638	88711	89298	587	-0.1
US Hydro	25369	30663	27850	27950	25849	23535	-2314	0.4
<b>US Gas</b>	<b>177557</b>	<b>227245</b>	<b>232735</b>	<b>227615</b>	<b>201209</b>	<b>196806</b>	<b>-4403</b>	<b>-0.8</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	88.8	87.4	88.6	90.6	90.5	86.5	86.6	-4.0
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	16.1	17.5	16.3	14.3	14.3	18.4	18.3	4.0	0.8
NRC % Nuclear Cap Utilization	90.3	88.9	90.1	92.1	92.1	88.0	88.1	-4.1	-0.8

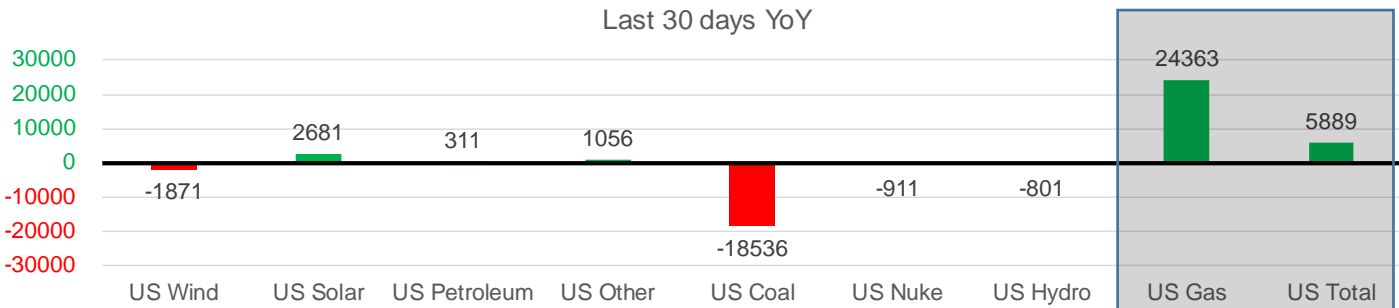
### Wind Generation Monthly Average - MWh (EIA)

	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	1460	2089	2892	2719	2028	1547	1549	-481
TEXAS Wind	7150	9241	13378	11765	8440	8130	7945	-310	-1295
US Wind	31888	40221	46918	39701	33222	38851	38350	5630	-1871

### 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	31888	40221	46918	39701	33222	38851	38350	▼ -501.0
US Solar	9232	13353	19376	18598	16968	16001	16034	▲ 32.9	▲ 2681
US Petroleum	991	570	1001	1252	1253	873	881	▲ 8	▲ 311
US Other	8450	9048	8608	10129	10426	10097	10105	▲ 8	▲ 1056
US Coal	95846	111112	105517	119788	117200	91771	92575	▲ 804	▼ -18536
US Nuke	91787	90304	89949	92883	92976	89311	89393	▲ 82	▼ -911
US Hydro	26400	25799	37531	34227	30121	24894	24999	▲ 105	▼ -801
<b>US Gas</b>	<b>180942</b>	<b>176638</b>	<b>200872</b>	<b>235766</b>	<b>233741</b>	<b>199420</b>	<b>201001</b>	▲ 539	▲ 24363
<b>US Total</b>	<b>443724</b>	<b>467212</b>	<b>509350</b>	<b>551822</b>	<b>535677</b>	<b>471015</b>	<b>473101</b>	▲ 1579	▲ 5889

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Regional S/D Models Storage Projection

Week Ending 23-Sep

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	14.6	0.0	14.7	103
East	2.7	2.0	4.6	32
Midwest	4.6	-0.1	4.5	31
Mountain	5.1	-4.2	1.0	7
South Central	0.9	3.0	3.9	27
Pacific	1.4	-0.6	0.7	5

\*Adjustment Factor is calculated based on historical regional deltas

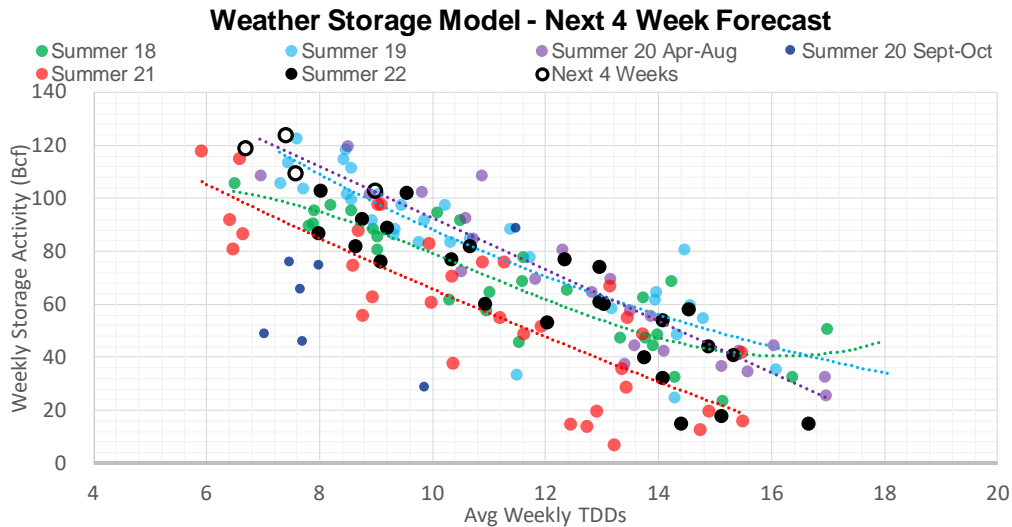
U.S. underground natural gas storage facilities by type (July 2015)



## Weather Model Storage Projection

Next report  
and beyond

Week Ending	GWDDs	Week Storage Projection
23-Sep	9.0	103
30-Sep	7.4	124
07-Oct	6.7	119
14-Oct	7.6	109

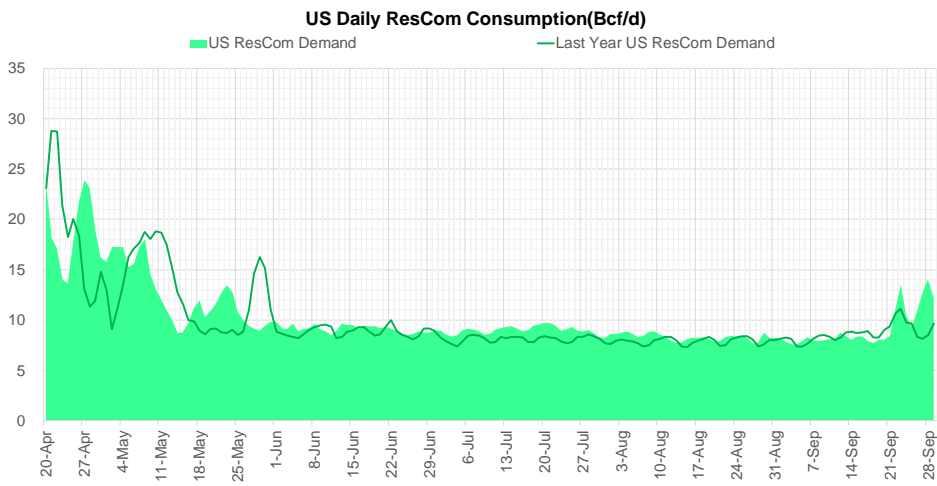
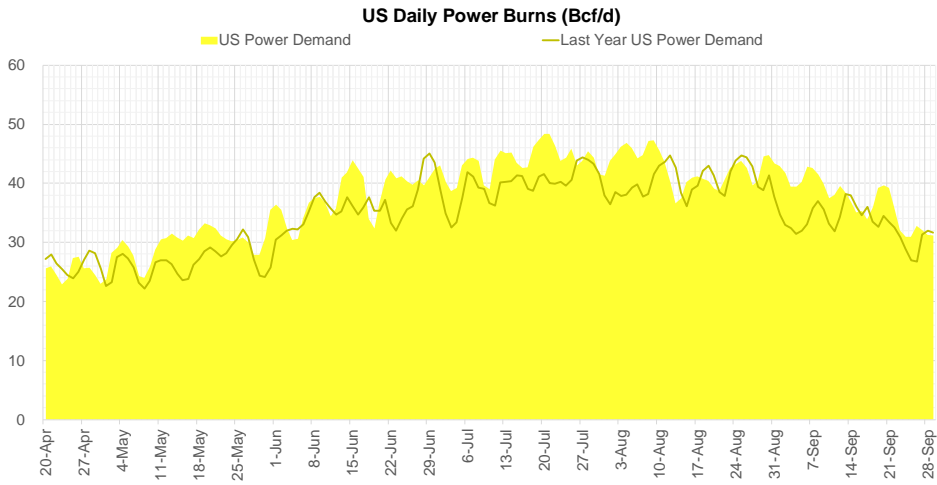
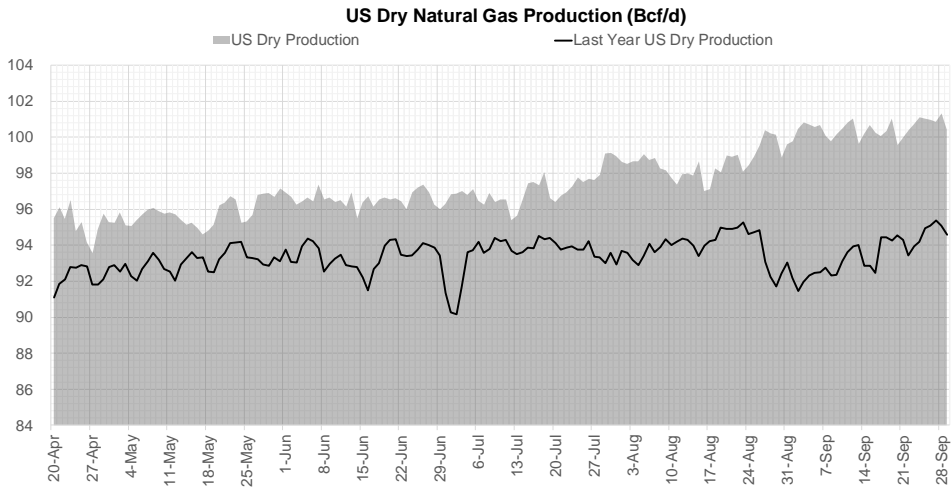


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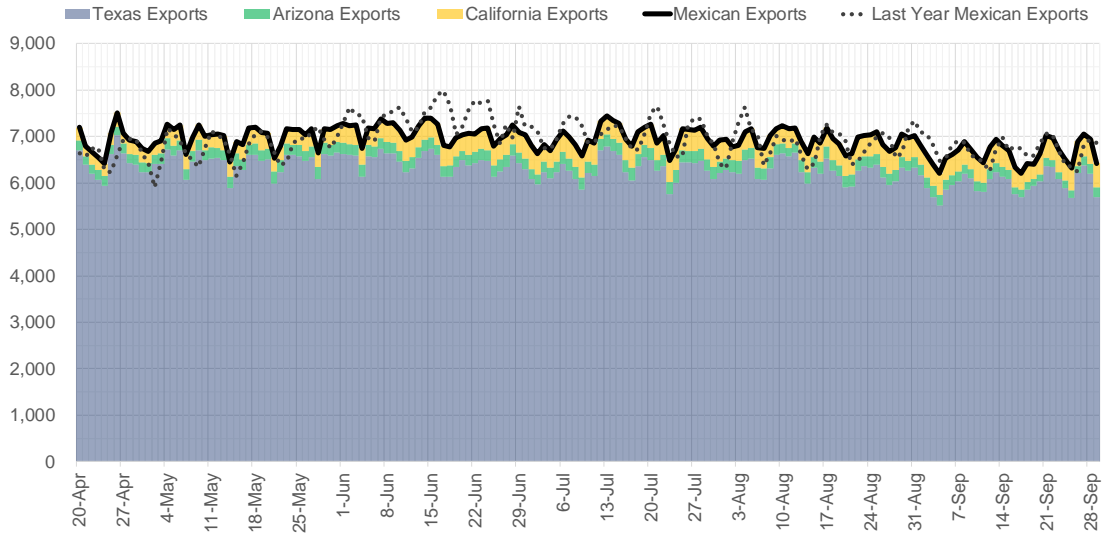
## Supply – Demand Trends



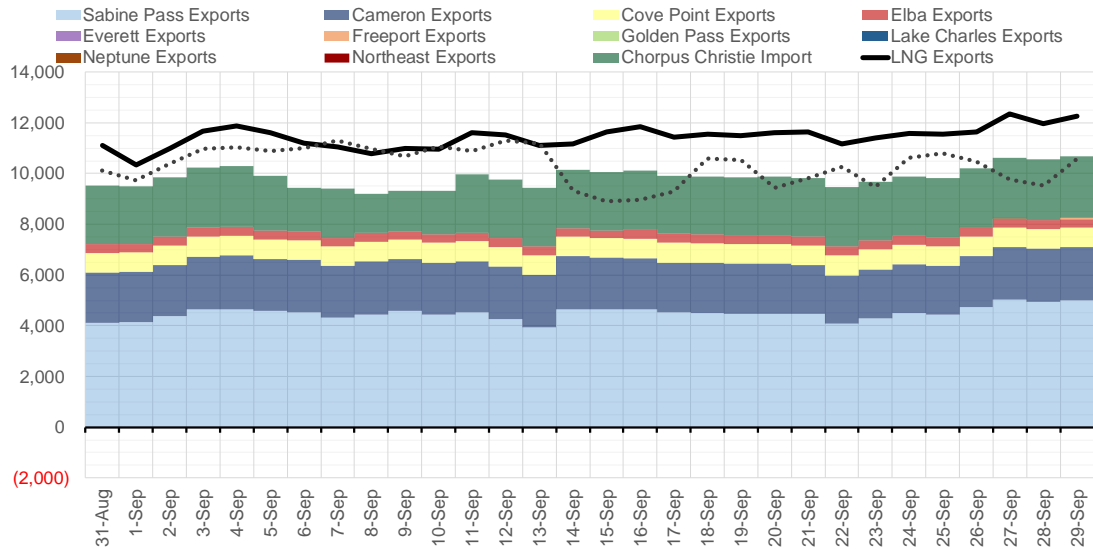
Source: Bloomberg

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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

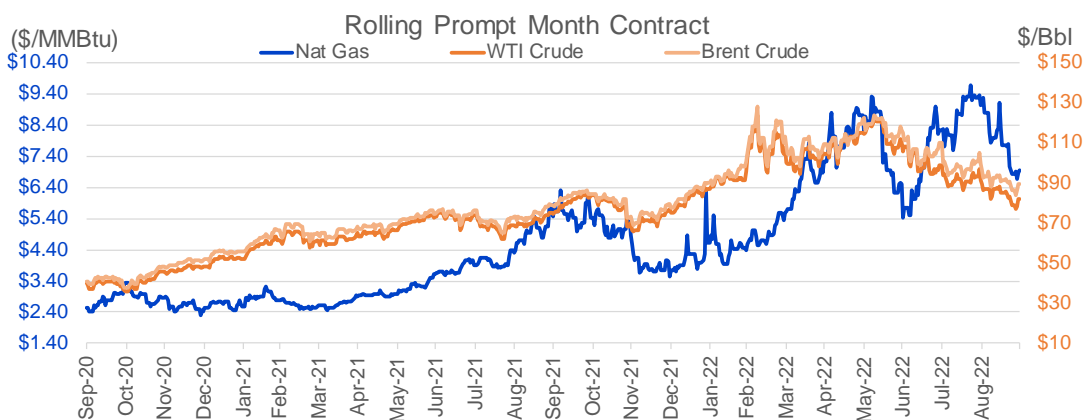
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
11	2022	P	6.00	9269	3	2023	C	10.00	25926
11	2022	C	8.00	8586	12	2022	P	4.00	25045
12	2022	P	6.00	5148	12	2022	P	5.00	23130
11	2022	P	5.25	5065	12	2022	P	6.00	22534
11	2022	C	12.00	4904	5	2023	P	2.00	22527
11	2022	C	9.00	4275	11	2022	P	4.00	22313
12	2022	P	5.25	3001	11	2022	P	5.00	21684
11	2022	C	10.00	2582	4	2023	P	3.00	20686
11	2022	C	15.00	2507	4	2023	P	3.50	19591
12	2022	P	4.50	2285	10	2023	P	3.00	19433
11	2022	P	5.00	2238	3	2023	C	20.00	19067
11	2022	P	6.50	2190	3	2023	P	4.00	18575
11	2022	C	7.50	1908	5	2023	P	3.50	18290
11	2022	P	4.50	1560	12	2022	C	5.00	18227
12	2022	P	6.50	1382	3	2023	P	3.00	17854
11	2022	C	7.00	1380	1	2023	C	10.00	17685
12	2022	P	4.75	1240	10	2023	P	2.50	17550
2	2023	C	10.00	1152	7	2023	P	3.50	17390
12	2022	C	7.50	1128	8	2023	P	3.50	17390
12	2022	P	5.50	1073	9	2023	P	3.50	17380
12	2022	P	4.00	1071	6	2023	P	3.50	17365
12	2022	C	9.00	1012	10	2023	P	3.50	17355
11	2022	C	11.00	1002	5	2023	P	3.00	17348
1	2023	C	9.50	1001	6	2023	P	3.00	17270
5	2023	P	4.00	996	2	2023	C	10.00	17062
8	2023	P	4.00	995	1	2023	P	5.00	16967
4	2023	P	4.00	976	1	2023	P	4.00	16890
4	2023	P	3.00	975	12	2022	C	10.00	16321
6	2023	P	4.00	975	11	2022	C	12.00	16315
7	2023	P	4.00	975	10	2023	P	4.00	16291
9	2023	P	4.00	975	12	2022	P	5.50	16261
10	2023	P	4.00	975	12	2022	C	4.00	16194
11	2022	P	5.50	961	11	2022	P	6.00	16080
10	2023	P	3.00	926	10	2023	P	2.00	16010
12	2022	P	5.00	924	7	2023	P	3.00	15850
4	2023	P	2.25	899	11	2022	C	10.00	15834
5	2023	P	2.25	899	11	2022	C	4.00	15755
6	2023	P	2.25	899	8	2023	P	3.00	15650
7	2023	P	2.25	899	9	2023	P	3.00	15650
8	2023	P	2.25	899	2	2023	C	9.00	15641
9	2023	P	2.25	899	4	2023	P	4.00	15435
10	2023	P	2.25	899	9	2023	P	4.00	14799
12	2022	C	20.00	871	12	2022	P	7.00	14658
4	2023	P	3.50	850	7	2023	P	4.00	14279
5	2023	P	3.50	850	5	2023	P	4.00	14120
6	2023	P	3.50	850	4	2023	P	2.00	13938
7	2023	P	3.50	850	11	2022	P	7.00	13910
8	2023	P	3.50	850	12	2022	C	6.00	13731
9	2023	P	3.50	850	8	2023	P	4.00	13419
					4	2023	C	8	13348

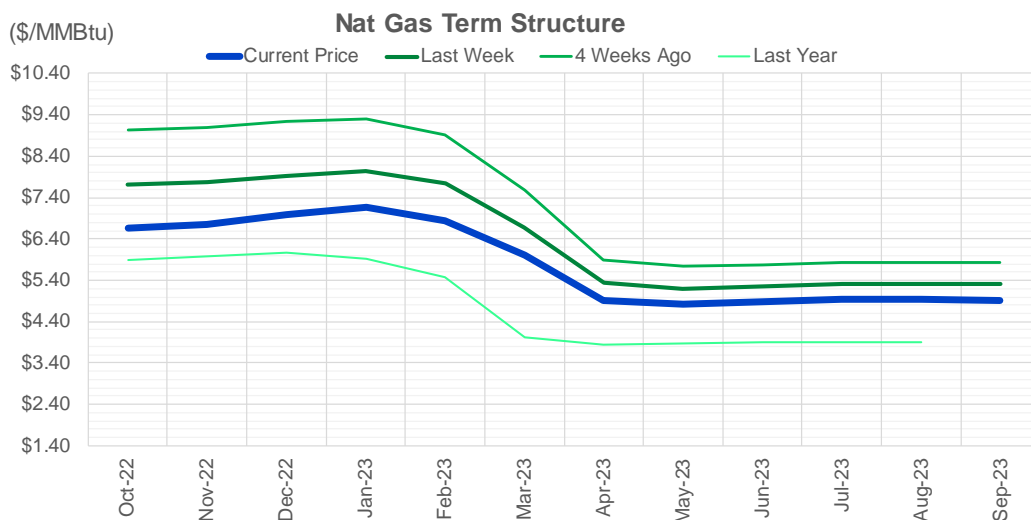
Source: CME, ICE

## 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	449	1580	-1131	NOV 22	76920	74999	1921
DEC 22	161956	164038	-2082	DEC 22	74650	74408	243
JAN 23	66777	67055	-278	JAN 23	70869	70528	342
FEB 23	89671	88667	1004	FEB 23	66950	66672	278
MAR 23	43006	42068	938	MAR 23	64416	64697	-280
APR 23	71864	72449	-585	APR 23	56975	57580	-605
MAY 23	77359	76765	594	MAY 23	54369	53878	491
JUN 23	82868	81552	1316	JUN 23	54169	54063	106
JUL 23	23133	23186	-53	JUL 23	44948	44983	-36
AUG 23	24801	24410	391	AUG 23	44194	44140	54
SEP 23	20152	19624	528	SEP 23	43316	43166	149
OCT 23	22859	22395	464	OCT 23	41254	41378	-124
NOV 23	53695	53753	-58	NOV 23	54263	54044	219
DEC 23	20901	20539	362	DEC 23	47127	47166	-40
JAN 24	16195	16323	-128	JAN 24	40335	40637	-302
FEB 24	25100	24860	240	FEB 24	42959	42792	167
MAR 24	9516	9577	-61	MAR 24	31043	30855	188
APR 24	18907	18871	36	APR 24	36578	36425	153
MAY 24	15947	15643	304	MAY 24	29611	29401	210
JUN 24	7746	7728	18	JUN 24	28068	27857	211
JUL 24	2739	2822	-83	JUL 24	25381	25185	196
AUG 24	3670	3673	-3	AUG 24	24950	24756	195
SEP 24	3695	3721	-26	SEP 24	24638	24439	199
OCT 24	2295	2312	-17	OCT 24	24387	24183	203
NOV 24	9072	8996	76	NOV 24	28245	28117	128
DEC 24	4854	4875	-21	DEC 24	25829	25679	151
JAN 25	8271	8197	74	JAN 25	29183	29027	156
FEB 25	17397	17392	5	FEB 25	23406	23378	28
MAR 25	1586	1586	0	MAR 25	15867	15792	75
APR 25	5187	5187	0	APR 25	18046	17991	55

Source: CME, ICE



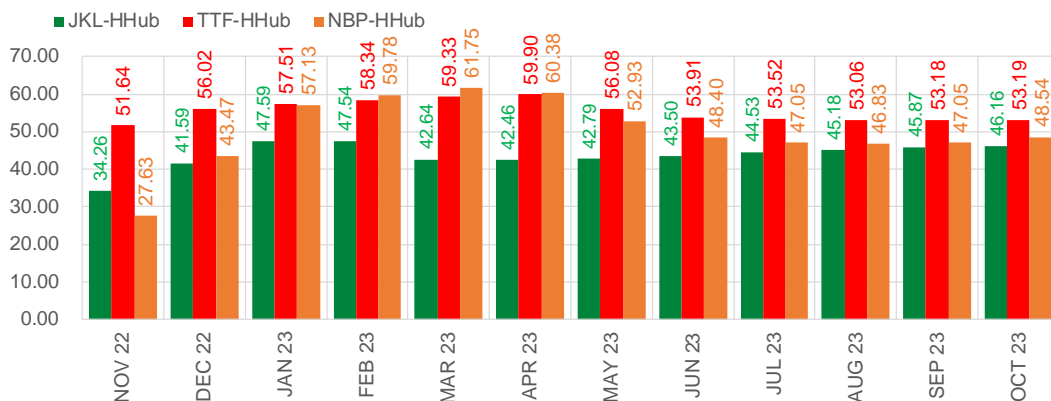
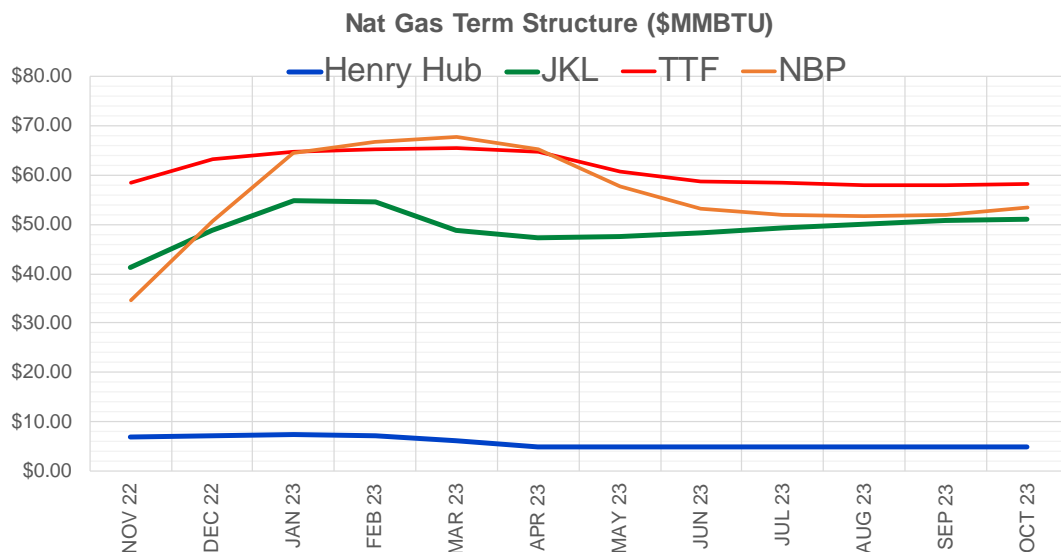


	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
<b>Current Price</b>	<b>\$6.651</b>	<b>\$6.760</b>	<b>\$6.990</b>	<b>\$7.157</b>	<b>\$6.851</b>	<b>\$5.997</b>	<b>\$4.923</b>	<b>\$4.816</b>	<b>\$4.877</b>	<b>\$4.941</b>	<b>\$4.950</b>	<b>\$4.923</b>
Last Week	\$7.717	\$7.772	\$7.932	\$8.046	\$7.729	\$6.688	\$5.335	\$5.206	\$5.259	\$5.313	\$5.324	\$5.303
vs. Last Week	-\$1.066	-\$1.012	-\$0.942	-\$0.889	-\$0.878	-\$0.691	-\$0.412	-\$0.390	-\$0.382	-\$0.372	-\$0.374	-\$0.380
4 Weeks Ago	\$9.042	\$9.103	\$9.240	\$9.310	\$8.916	\$7.576	\$5.902	\$5.736	\$5.783	\$5.832	\$5.842	\$5.826
vs. 4 Weeks Ago	-\$2.391	-\$2.343	-\$2.250	-\$2.153	-\$2.065	-\$1.579	-\$0.979	-\$0.920	-\$0.906	-\$0.891	-\$0.892	-\$0.903
Last Year	\$5.841	\$5.880	\$5.985	\$6.058	\$5.929	\$5.484	\$4.026	\$3.844	\$3.872	\$3.911	\$3.914	\$3.893
vs. Last Year	\$0.810	\$0.880	\$1.005	\$1.099	\$0.922	\$0.513	\$0.897	\$0.972	\$1.005	\$1.030	\$1.036	\$1.030

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	5.25	6.74	1.49
TETCO M3	\$/MMBtu	4.76	6.05	1.29
FGT Zone 3	\$/MMBtu	4.76	8.38	3.62
Zone 6 NY	\$/MMBtu	4.76	6.03	1.27
Chicago Citygate	\$/MMBtu	5.16	6.95	1.79
Michcon	\$/MMBtu	5.22	6.87	1.65
Columbia TCO Pool	\$/MMBtu	4.98	6.15	1.17
Ventura	\$/MMBtu	5.95	6.92	0.97
Rockies/Opal	\$/MMBtu	5.33	6.77	1.44
El Paso Permian Basin	\$/MMBtu	4.09	5.10	1.01
Socal Citygate	\$/MMBtu	6.05	7.33	1.28
Malin	\$/MMBtu	5.25	7.00	1.75
Houston Ship Channel	\$/MMBtu	5.68	6.84	1.16
Henry Hub Cash	\$/MMBtu	6.54	6.72	0.19
AECO Cash	C\$/GJ	4.23	3.33	-0.90
Station2 Cash	C\$/GJ	2.96	6.93	3.97
Dawn Cash	C\$/GJ	5.12	7.00	1.88

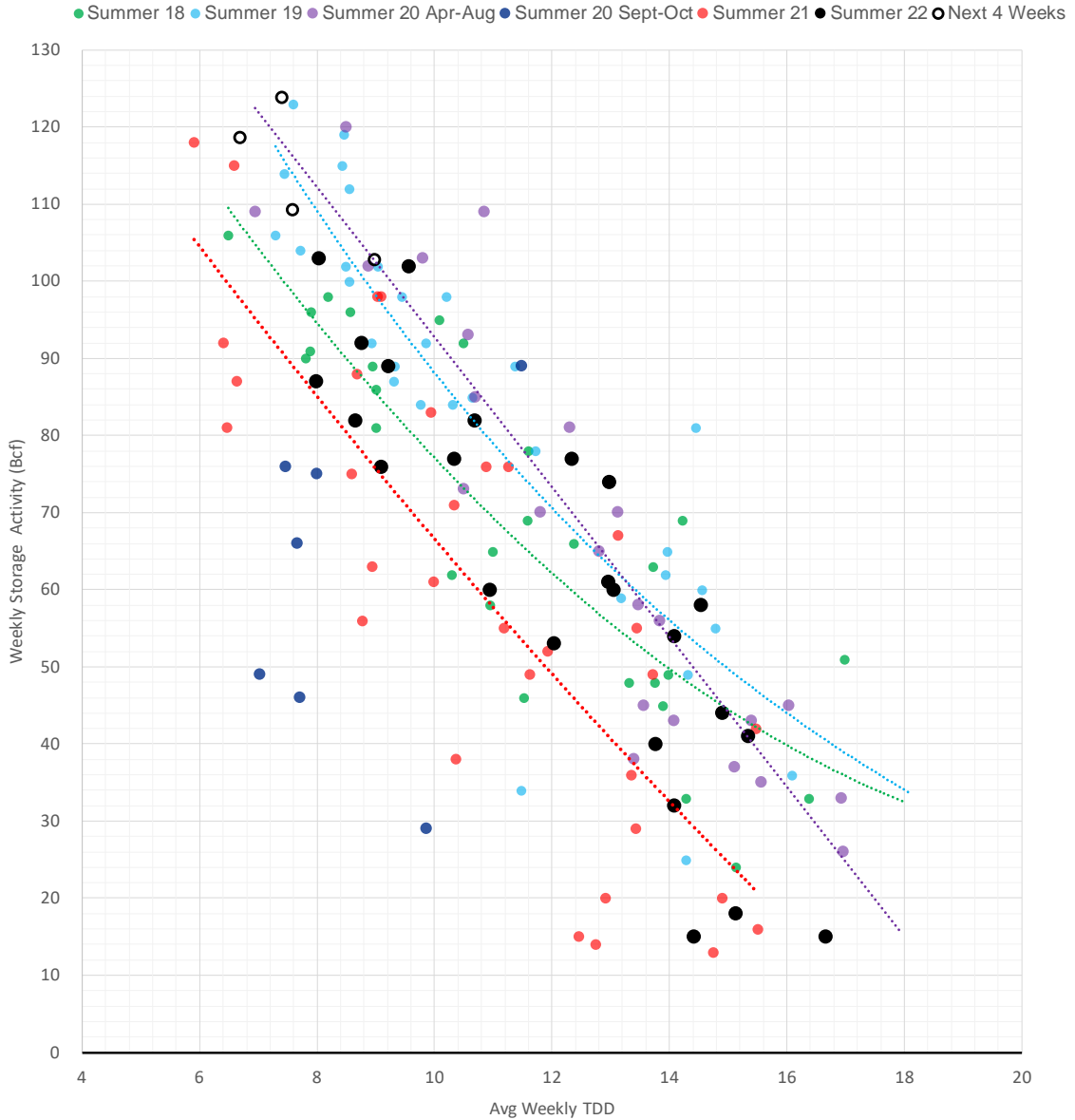
Source: CME, Bloomberg

	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	▲ 0.725
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -1.651
NatGas Apr22/Oct22	\$/MMBtu	1.532	▼ -0.911	▼ -2.259	▲ 1.596
WTI Crude	\$/Bbl	82.15	▼ -0.790	▼ -7.400	▲ 7.320
Brent Crude	\$/Bbl	89.32	▼ -0.510	▼ -7.170	▲ 10.680
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	344.94	▲ 11.560	▼ -26.600	▲ 114.190
Propane, Mt. Bel	cents/Gallon	0.99	▼ -0.022	▼ -0.099	▼ -0.296
Ethane, Mt. Bel	cents/Gallon	0.46	▼ -0.020	▼ -0.140	▲ 0.073
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>	\$6.948	\$7.188	\$7.365	\$7.031	\$6.103	\$4.882	\$4.762	\$4.818	\$4.880	\$4.894	\$4.866	\$4.930
<b>JKL</b>	\$41.205	\$48.780	\$54.950	\$54.570	\$48.745	\$47.345	\$47.555	\$48.320	\$49.405	\$50.075	\$50.740	\$51.090
<b>JKL-HHub</b>	\$34.257	\$41.592	\$47.585	\$47.539	\$42.642	\$42.463	\$42.793	\$43.502	\$44.525	\$45.181	\$45.874	\$46.160
<b>TTF</b>	\$58.583	\$63.212	\$64.878	\$65.367	\$65.433	\$64.783	\$60.843	\$58.726	\$58.395	\$57.954	\$58.044	\$58.123
<b>TTF-HHub</b>	\$51.635	\$56.024	\$57.513	\$58.336	\$59.330	\$59.901	\$56.081	\$53.908	\$53.515	\$53.060	\$53.178	\$53.193
<b>NBP</b>	\$34.581	\$50.656	\$64.494	\$66.814	\$67.849	\$65.258	\$57.688	\$53.216	\$51.926	\$51.723	\$51.913	\$53.472
<b>NBP-HHub</b>	\$27.633	\$43.468	\$57.129	\$59.783	\$61.746	\$60.376	\$52.926	\$48.398	\$47.046	\$46.829	\$47.047	\$48.542

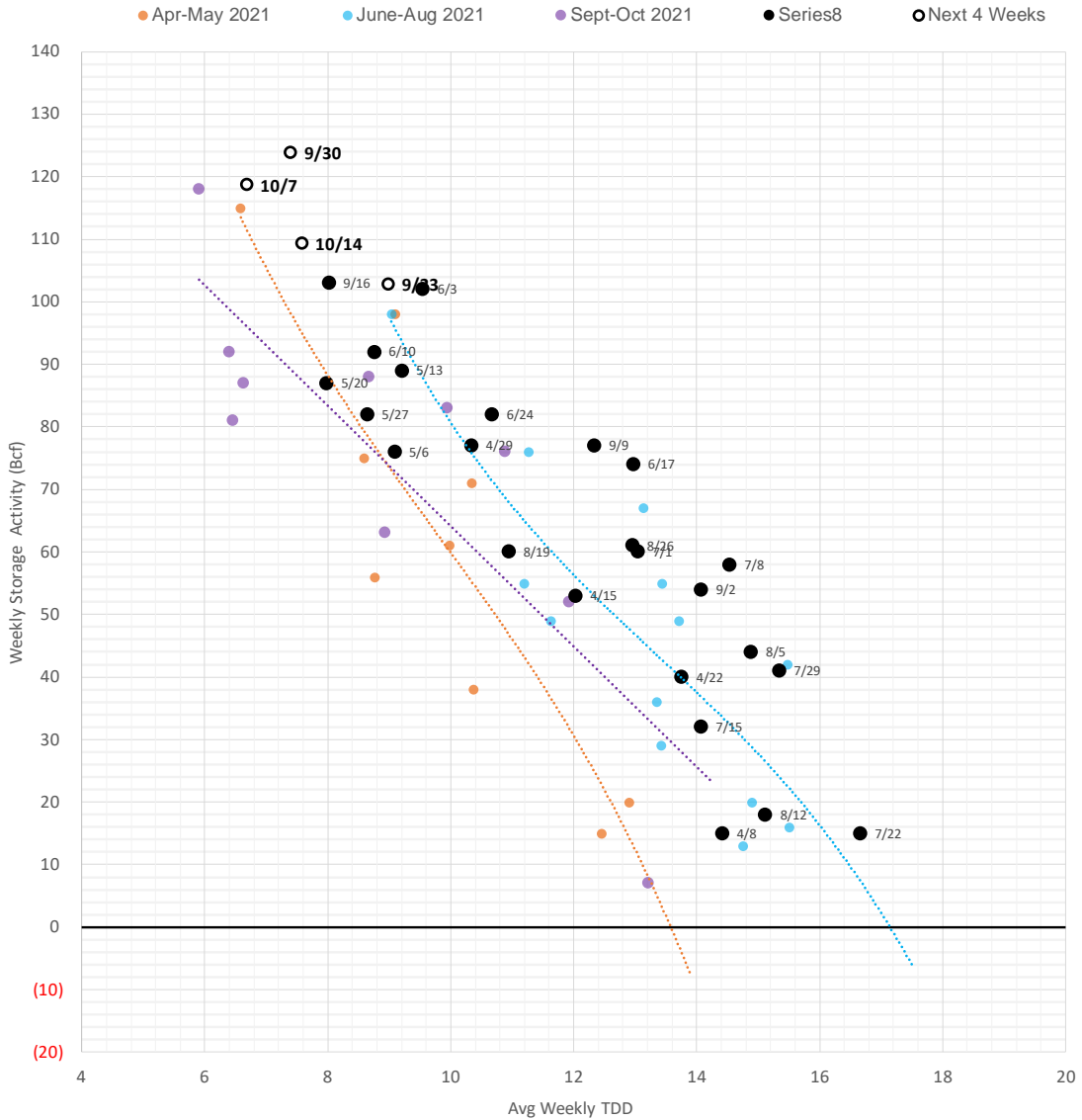
## Weather Storage Model - Next 4 Week Forecast



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