

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 6.25	▲ \$ 0.01	▼ \$ (0.09)

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 88.83	▲ \$ 2.36	▼ \$ (1.3)

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 95.95	▲ \$ 2.28	▼ \$ (0.5)

## Page Menu

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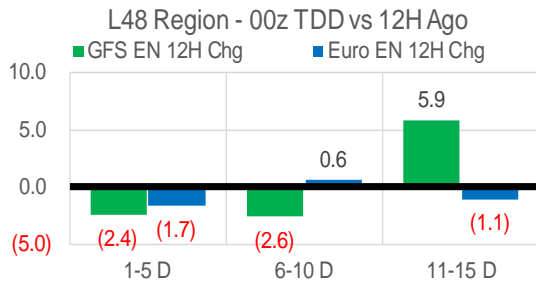
[Supply – Demand Trends](#)

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

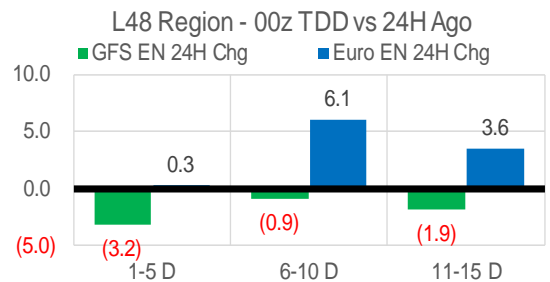
[Nat Gas Futures Open Interest](#)

[Price Summary](#)

## Vs. 12H Ago



## Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	100.0	▼ -0.79	▼ -0.12

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	28.4	▼ -0.67	▼ -0.68

	Current	Δ from YD	Δ from 7D Avg
US ResComm	21.0	▲ 2.35	▲ 3.16

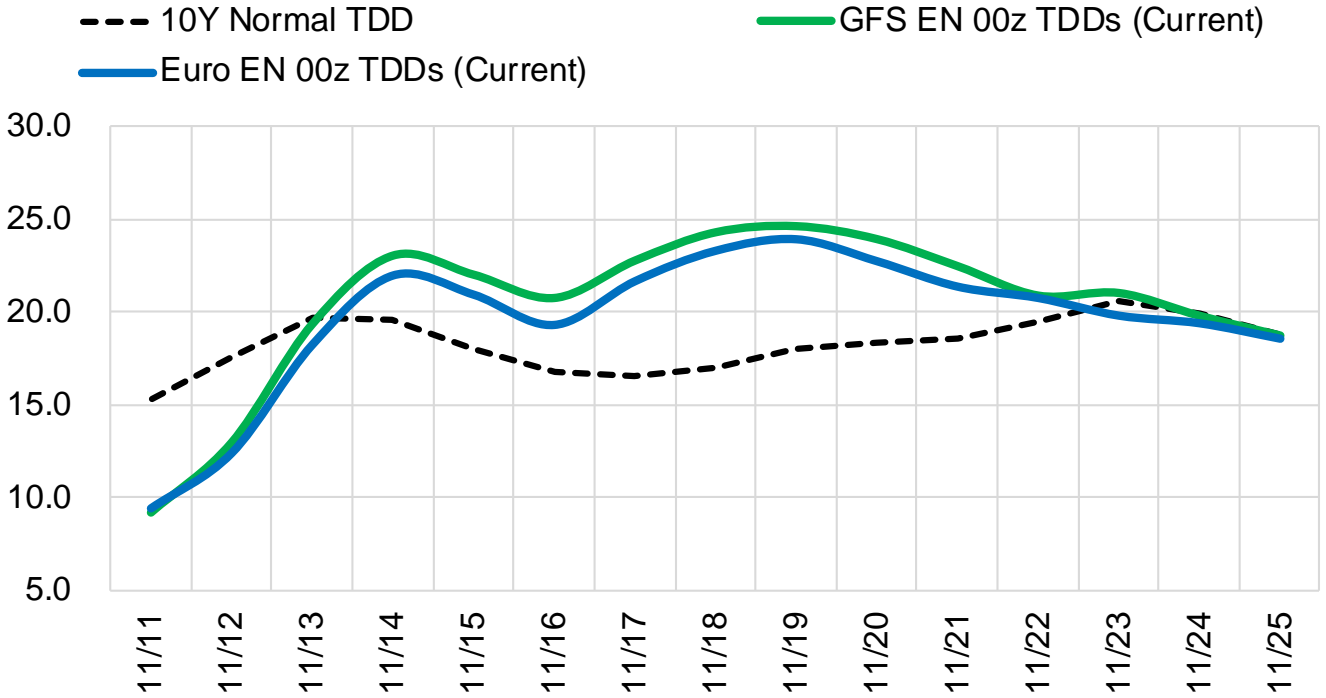
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	6.3	▲ 1.77	▲ 2.12

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	12.1	▲ 0.71	▲ 0.57

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.2	▼ -0.48	▲ 0.12

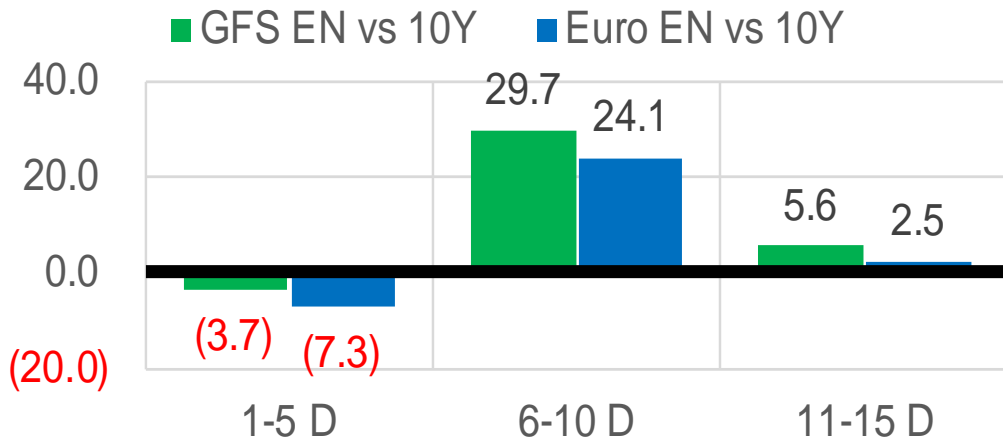
## Short-term Weather Model Outlooks (00z)

### L48 Region



### Vs. 10Y Normal

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



Source: WSI, Bloomberg

## Lower 48 Component Models

### Daily Balances

	5-Nov	6-Nov	7-Nov	8-Nov	9-Nov	10-Nov	11-Nov	DoD	vs. 7D
<b>Lower 48 Dry Production</b>	<b>99.2</b>	<b>99.4</b>	<b>99.6</b>	<b>100.6</b>	<b>100.2</b>	<b>100.8</b>	<b>100.4</b>	▼ -0.4	▲ 0.4
<b>Canadian Imports</b>	<b>4.0</b>	<b>4.1</b>	<b>4.1</b>	<b>4.0</b>	<b>4.1</b>	<b>4.5</b>	<b>6.3</b>	▲ 1.8	▲ 2.1
L48 Power	27.2	28.5	31.0	30.2	29.2	29.0	28.4	▼ -0.7	▼ -0.8
L48 Residential & Commercial	14.8	14.8	18.4	21.9	20.8	18.6	21.0	▲ 2.4	▲ 2.7
L48 Industrial	22.4	22.6	23.1	23.4	23.1	23.0	23.4	▲ 0.4	▲ 0.4
L48 Lease and Plant Fuel	5.5	5.6	5.6	5.6	5.6	5.6	5.6	▼ -0.1	▼ 0.0
L48 Pipeline Distribution	2.4	2.5	2.8	3.0	2.9	2.7	2.8	▲ 0.1	▲ 0.1
<b>L48 Regional Gas Consumption</b>	<b>72.4</b>	<b>74.0</b>	<b>80.9</b>	<b>84.1</b>	<b>81.6</b>	<b>79.0</b>	<b>81.1</b>	▲ 2.1	▲ 2.4
<b>Net LNG Delivered</b>	<b>12.28</b>	<b>11.75</b>	<b>11.60</b>	<b>11.70</b>	<b>10.50</b>	<b>11.35</b>	<b>12.06</b>	▲ 0.7	▲ 0.5
<b>Total Mexican Exports</b>	<b>5.3</b>	<b>5.5</b>	<b>5.8</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.2</b>	▼ -0.5	▲ 0.1
Implied Daily Storage Activity	13.2	12.3	5.5	2.2	5.5	8.2	7.3		
EIA Reported Daily Storage Activity									
Daily Model Error									

### EIA Storage Week Balances

	LY				LW	Current		
	12-Nov	14-Oct	21-Oct	28-Oct	4-Nov	11-Nov	WoW	vs. LY
<b>Lower 48 Dry Production</b>	<b>96.5</b>	<b>101.7</b>	<b>100.4</b>	<b>101.1</b>	<b>101.0</b>	<b>100.1</b>	▼ -0.8	▲ 3.6
<b>Canadian Imports</b>	<b>5.1</b>	<b>5.5</b>	<b>6.1</b>	<b>5.3</b>	<b>4.9</b>	<b>4.2</b>	▼ -0.8	▼ -0.9
L48 Power	28.2	30.7	30.9	28.9	29.5	29.0	▼ -0.5	0.8
L48 Residential & Commercial	22.2	14.7	20.9	15.9	17.7	17.8	▲ 0.2	-4.3
L48 Industrial	22.4	20.3	20.0	21.1	21.3	22.8	▲ 1.5	0.4
L48 Lease and Plant Fuel	5.4	5.7	5.6	5.6	5.6	5.6	▼ -0.1	0.2
L48 Pipeline Distribution	2.9	2.8	3.2	2.8	2.8	2.7	▼ -0.1	-0.2
<b>L48 Regional Gas Consumption</b>	<b>81.0</b>	<b>74.1</b>	<b>80.6</b>	<b>74.3</b>	<b>76.9</b>	<b>77.9</b>	▲ 1.0	▼ -3.1
<b>Net LNG Exports</b>	<b>11.2</b>	<b>11.0</b>	<b>11.5</b>	<b>11.4</b>	<b>11.9</b>	<b>11.5</b>	▼ -0.4	▲ 0.3
<b>Total Mexican Exports</b>	<b>6.2</b>	<b>6.6</b>	<b>6.7</b>	<b>6.4</b>	<b>6.3</b>	<b>6.1</b>	▼ -0.2	▼ -0.1
Implied Daily Storage Activity	3.2	15.6	7.7	14.3	10.8	8.7	-2.0	5.6
EIA Reported Daily Storage Activity	3.7	15.9	7.4	15.3	11.3			
Daily Model Error	-0.6	-0.3	0.2	-1.0	-0.5			

### Monthly Balances

	2Yr Ago	LY					MTD		
	Nov-20	Nov-21	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	MoM	vs. LY
<b>Lower 48 Dry Production</b>	<b>91.2</b>	<b>96.4</b>	<b>97.8</b>	<b>98.2</b>	<b>100.6</b>	<b>101.3</b>	<b>100.2</b>	▼ -1.1	▲ 3.8
<b>Canadian Imports</b>	<b>4.6</b>	<b>5.3</b>	<b>5.9</b>	<b>5.4</b>	<b>5.9</b>	<b>5.7</b>	<b>4.2</b>	▼ -1.5	▼ -1.1
L48 Power	25.7	29.3	44.8	43.8	37.0	30.1	29.2	▼ -0.9	▼ -0.1
L48 Residential & Commercial	24.4	28.2	8.2	7.8	8.9	16.6	17.2	▲ 0.6	▼ -11.0
L48 Industrial	22.5	23.3	19.4	19.7	20.5	20.6	22.4	▲ 1.8	▼ -0.9
L48 Lease and Plant Fuel	5.0	5.4	5.5	5.5	5.5	5.7	5.6	▼ -0.1	▲ 0.2
L48 Pipeline Distribution	2.7	3.3	3.1	3.0	2.8	2.9	2.7	▼ -0.2	▼ -0.6
<b>L48 Regional Gas Consumption</b>	<b>80.3</b>	<b>89.5</b>	<b>81.0</b>	<b>79.9</b>	<b>74.7</b>	<b>75.9</b>	<b>77.1</b>	▲ 1.2	▼ -12.4
<b>Net LNG Exports</b>	<b>10.1</b>	<b>11.4</b>	<b>10.9</b>	<b>11.0</b>	<b>11.5</b>	<b>11.3</b>	<b>11.5</b>	▲ 0.2	▲ 0.1
<b>Total Mexican Exports</b>	<b>6.1</b>	<b>6.1</b>	<b>7.0</b>	<b>6.9</b>	<b>6.7</b>	<b>6.6</b>	<b>6.2</b>	▼ -0.4	▲ 0.1
Implied Daily Storage Activity	-0.7	-5.3	4.8	5.8	13.6	13.2	9.6		
EIA Reported Daily Storage Activity									
Daily Model Error					-0.5				

Source: Bloomberg, analytix.ai

## Daily Average Generation Data

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

	3-Nov	4-Nov	5-Nov	6-Nov	7-Nov	8-Nov	9-Nov	DoD	vs. 7D
NRC Nuclear Daily Output	75.3	76.8	76.8	76.8	76.8	77.2	78.2	1.0	1.6
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	29.6	28.1	28.1	28.1	28.1	27.7	26.7	-1.0	-1.6
NRC % Nuclear Cap Utilization	76.5	78.1	78.1	78.1	78.1	78.5	79.5	1.0	1.7

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

	3-Nov	4-Nov	5-Nov	6-Nov	7-Nov	8-Nov	9-Nov	DoD	vs. 7D
CALI Wind	3131	1283	2680	2791	2511	2837	2792	-45	253
TEXAS Wind	20777	20596	13126	12252	8692	8841	8841	0	-5207
US Wind	79068	73151	68099	47654	54238	59162	37019	-22143	-26543

### Generation Daily Average - MWh (EIA)

	3-Nov	4-Nov	5-Nov	6-Nov	7-Nov	8-Nov	9-Nov	DoD	vs. 7D
US Wind	79068	73151	68099	47654	54238	59162	37019	-22143	-26543
US Solar	9577	10930	10291	10491	10061	9907	7668	-2239	-2541
US Petroleum	921	975	939	960	1065	1035	1068	32	85
US Other	9857	9369	9676	8792	10633	9812	8355	-1457	-1334
US Coal	62907	67308	62791	46615	69274	67364	43775	-23589	-18935
US Nuke	79692	80475	79897	68943	80517	81337	68452	-12885	-10025
US Hydro	23772	22581	20071	19443	24329	24598	22960	-1637	495
<b>US Gas</b>	<b>151619</b>	<b>148883</b>	<b>138610</b>	<b>124846</b>	<b>173513</b>	<b>168550</b>	<b>117274</b>	<b>-51275</b>	<b>-33729</b>

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Storage Week Average Generation Data

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

	12-Nov	14-Oct	21-Oct	28-Oct	4-Nov	11-Nov	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	79.8	76.2	74.4	74.4	76.0	77.2	1.3	-0.2
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	25.1	28.7	30.5	30.5	28.9	27.6	-1.3	
NRC % Nuclear Cap Utilization	81.1	77.5	75.6	75.6	77.2	78.5	1.3	

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

	12-Nov	14-Oct	21-Oct	28-Oct	4-Nov	11-Nov	WoW	WoW Bcf/d Impact
CALI Wind	1805	1087	944	1974	1641	2527	886	-0.2
TEXAS Wind	12032	7842	9710	17228	10904	11598	694	-0.1
US Wind	50985	41063	45195	64747	44699	53763	9065	-1.7
							20%	
						0.1		

### Generation Weekly Average - MWh (EIA)

	12-Nov	14-Oct	21-Oct	28-Oct	4-Nov	11-Nov	WoW	WoW Bcf/d Impact
					LY	Current		
US Wind	50985	41063	45195	64747	44699	53763	9065	-1.7
US Solar	10016	14503	14347	13756	11361	9574	-1787	0.3
US Petroleum	1025	842	1054	933	990	1016	26	0.0
US Other	8202	11273	11285	9085	9980	9285	-695	0.1
US Coal	77960	76322	79517	69841	75079	57272	-17807	3.3
US Nuke	84321	77235	76583	77718	79723	75439	-4284	0.8
US Hydro	26027	20001	19318	19097	21591	22420	830	-0.2
<b>US Gas</b>	<b>146676</b>	<b>170286</b>	<b>162314</b>	<b>148302</b>	<b>157701</b>	<b>141279</b>	<b>-16422</b>	<b>-3.1</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	Aug-22	Sep-22	Oct-22	Nov-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	NRC Nuclear Daily Output	76.2	74.4	90.5	86.2	76.2	76.9	75.6	0.8
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	28.7	30.5	14.3	18.7	28.7	28.0	29.3	-0.8	-1.2
NRC % Nuclear Cap Utilization	77.5	75.7	92.1	87.7	77.4	78.2	76.8	0.8	1.2

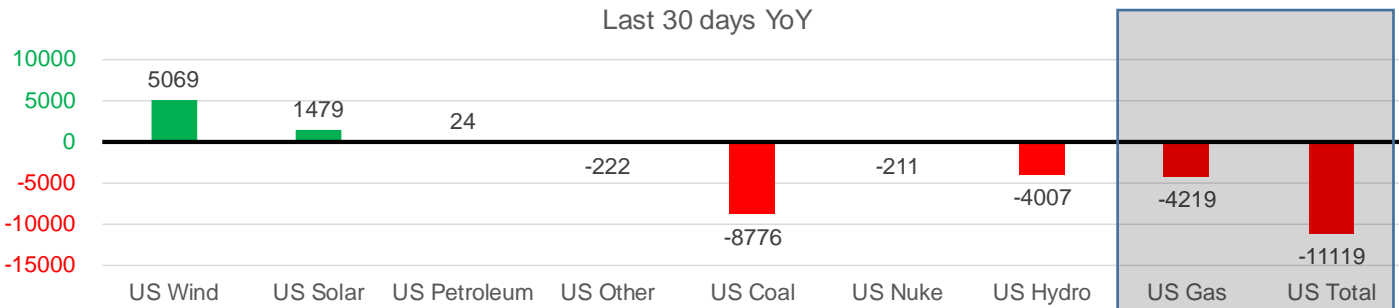
### Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Aug-22	Sep-22	Oct-22	Nov-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	CALI Wind	1209	1721	2028	1608	1239	2704	1785	1465
TEXAS Wind	10377	11599	8440	7993	9916	12501	12009	2586	411
US Wind	42228	46362	33222	38270	43698	55609	51431	11911	5069

### Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Aug-22	Sep-22	Oct-22	Nov-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	US Wind	42228	46362	33222	38270	43698	55609	51431	▼-4177.2
US Solar	7673	10685	16962	16163	14158	9676	12163	▲ 2487.7	▲ 1479
US Petroleum	812	981	1251	864	899	1015	1005	▼ -10	▲ 24
US Other	8819	10130	10597	10512	10500	9460	9909	▲ 448	▼ -222
US Coal	86423	78464	117203	92002	75808	58968	69688	▲ 10720	▼ -8776
US Nuke	79739	77251	92976	89062	78133	75979	77039	▲ 1060	▼ -211
US Hydro	27048	24724	30192	25203	19926	22808	20717	▼ -2091	▼ -4007
<b>US Gas</b>	<b>149323</b>	<b>156308</b>	<b>233739</b>	<b>200120</b>	<b>162323</b>	<b>142888</b>	<b>152088</b>	<b>▲ 8438</b>	<b>▼ -4219</b>
<b>US Total</b>	<b>400689</b>	<b>405058</b>	<b>535696</b>	<b>470764</b>	<b>405765</b>	<b>376375</b>	<b>393939</b>	<b>▲ 21053</b>	<b>▼ -11119</b>

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Regional S/D Models Storage Projection

Week Ending 11-Nov

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	9.7	-0.5	9.2	64
East	0.1	2.5	2.6	18
Midwest	2.4	0.4	2.9	20
Mountain	4.2	-4.2	0.0	0
South Central	3.7	0.9	4.6	32
Pacific	-0.7	-0.2	-0.9	-6

\*Adjustment Factor is calculated based on historical regional deltas

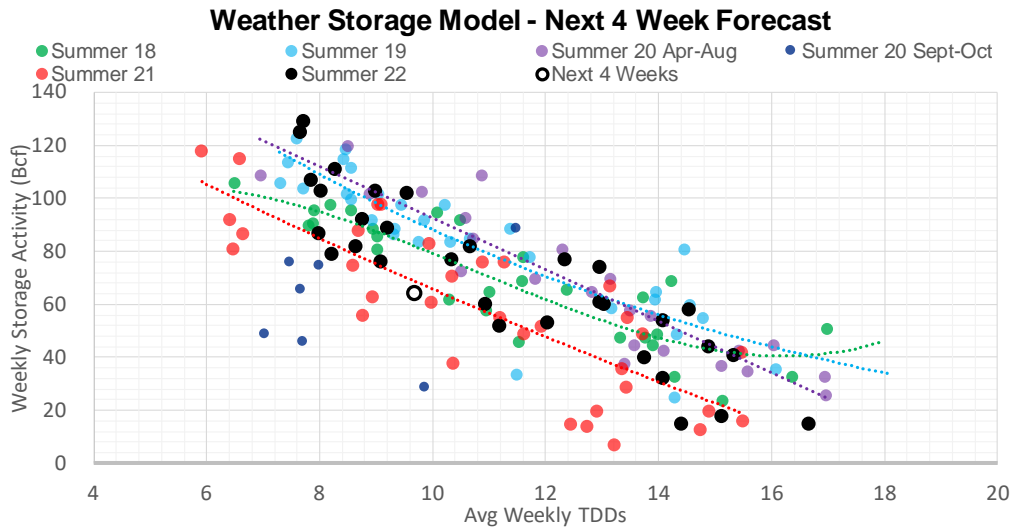
U.S. underground natural gas storage facilities by type (July 2015)



## Weather Model Storage Projection

Next report  
and beyond

Week Ending	GWDDs	Week Storage Projection
11-Nov	9.7	64
18-Nov	We will switch to our winter model this weekend	
25-Nov		
02-Dec		

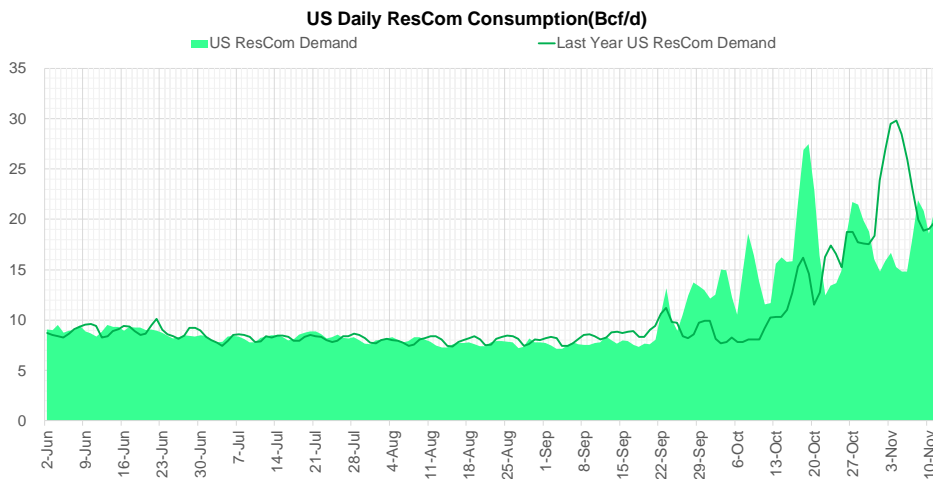
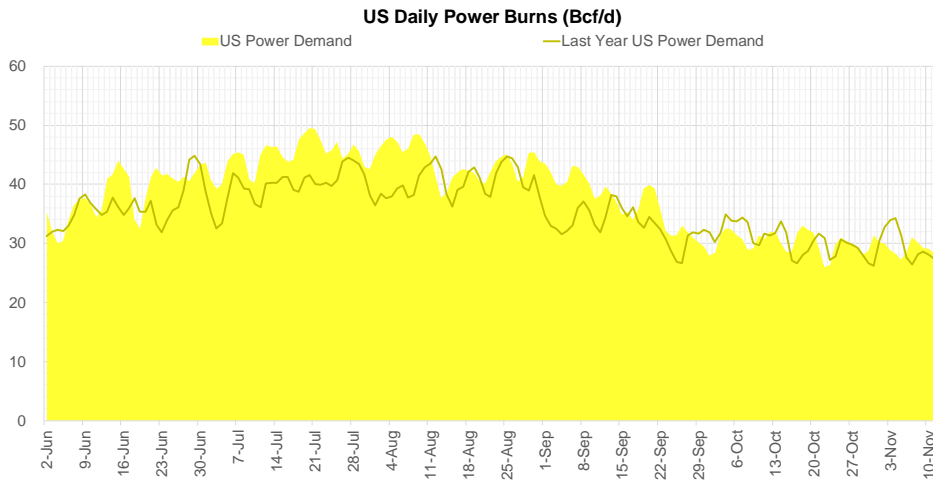
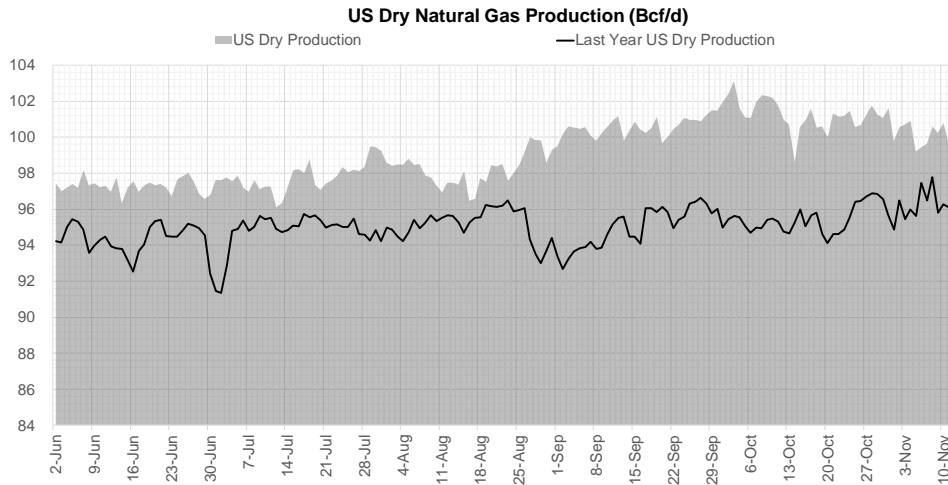


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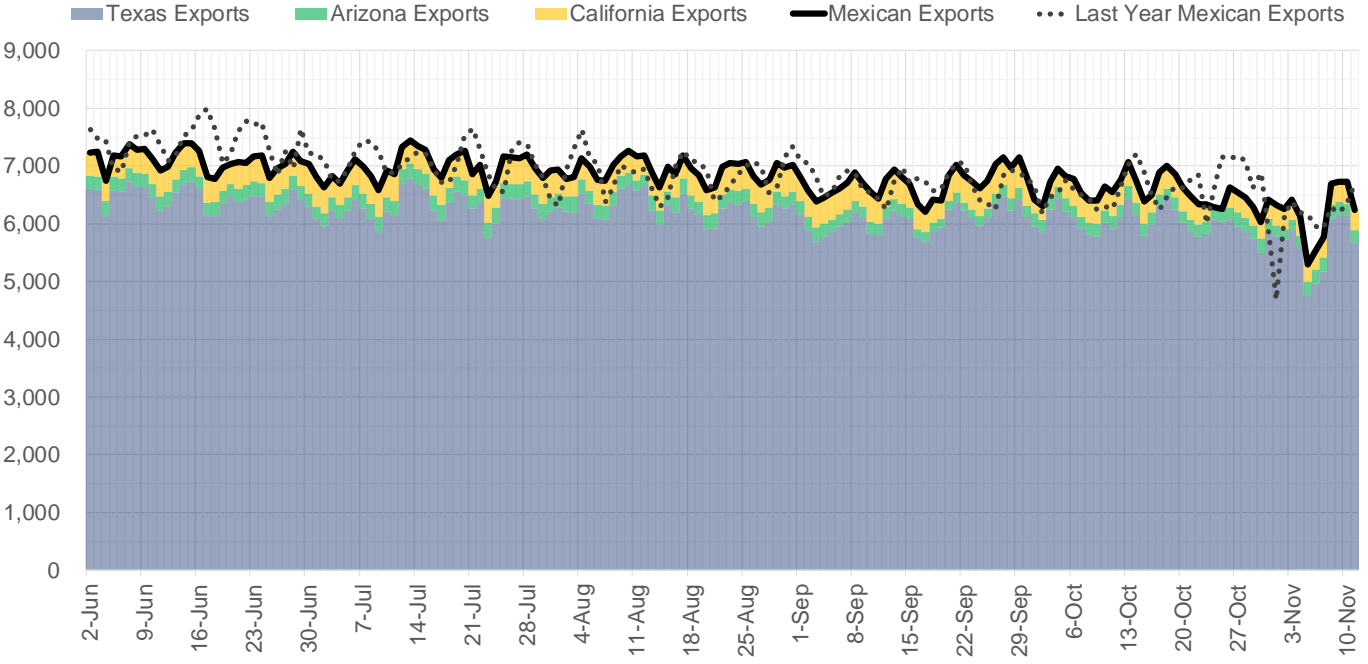
## Supply – Demand Trends



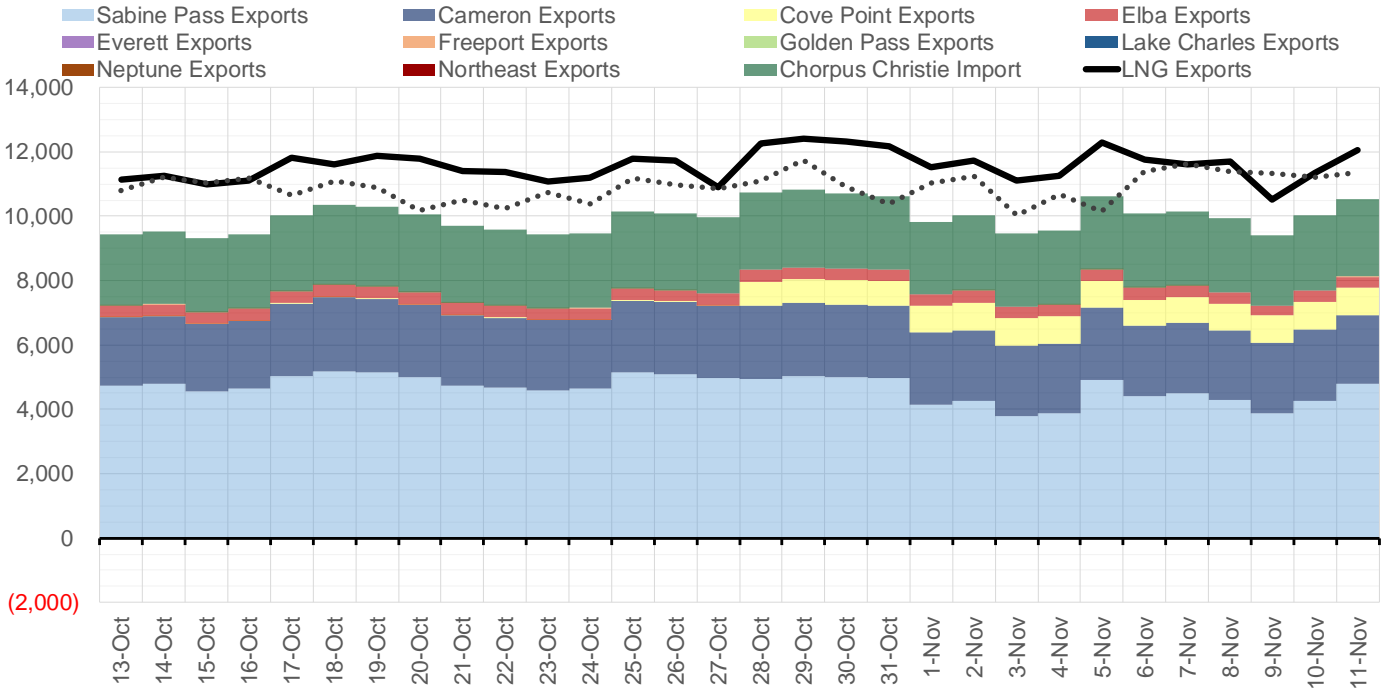
Source: Bloomberg

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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

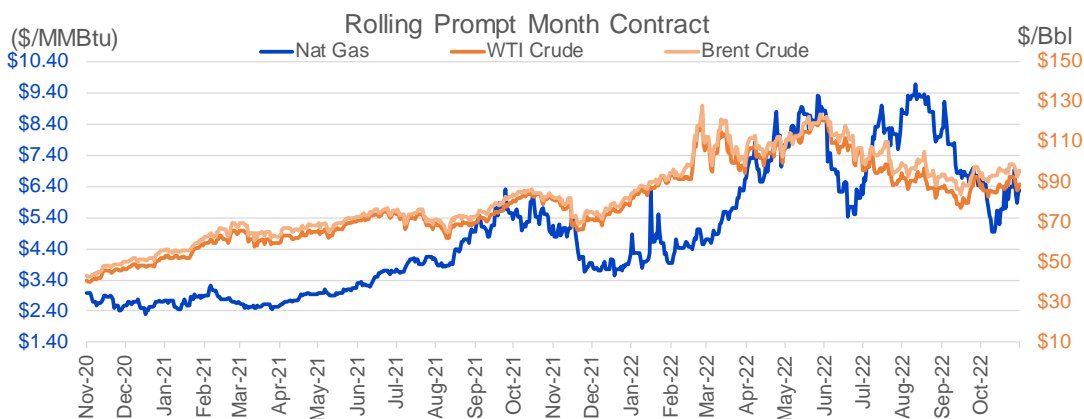
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
12	2022	P	4.75	9302	12	2022	P	4.00	48340
12	2022	P	4.50	8266	12	2022	P	5.00	41200
12	2022	P	5.00	4182	12	2022	C	10.00	33311
12	2022	C	7.50	3198	12	2022	P	4.50	30367
12	2022	P	6.00	3194	5	2023	P	2.00	30267
5	2023	P	3.00	2600	12	2022	P	6.00	28153
6	2023	P	3.00	2600	10	2023	P	3.00	26985
7	2023	P	3.00	2600	12	2022	P	3.50	26625
8	2023	P	3.00	2600	1	2023	C	10.00	24766
9	2023	P	3.00	2600	1	2023	P	5.00	24689
10	2023	P	3.00	2600	3	2023	C	10.00	24112
4	2023	P	3.00	2500	4	2023	P	3.00	23123
12	2022	C	7.00	2315	3	2023	P	4.00	22851
4	2023	P	2.00	2250	4	2023	P	2.00	22709
5	2023	P	2.00	2250	12	2022	C	6.00	22587
6	2023	P	2.00	2250	4	2023	P	3.50	21766
7	2023	P	2.00	2250	10	2023	P	2.00	21695
8	2023	P	2.00	2250	2	2023	C	10.00	21353
9	2023	P	2.00	2250	12	2022	C	7.00	20605
10	2023	P	1.00	2250	12	2022	C	8.00	20463
10	2023	P	2.00	2250	12	2022	P	3.00	20059
12	2022	P	5.50	2159	10	2023	P	2.50	19900
12	2022	C	8.00	1900	5	2023	P	3.00	19758
1	2023	P	5.50	1705	10	2023	P	4.00	19526
4	2023	P	4.50	1625	1	2023	P	3.00	19206
10	2023	P	1.50	1600	3	2023	P	3.00	18925
12	2022	C	10.00	1571	6	2023	P	2.00	18924
12	2022	P	5.25	1555	3	2023	C	20.00	18920
12	2022	P	4.00	1534	6	2023	P	3.00	18915
8	2023	P	4.50	1430	12	2022	P	4.75	18889
5	2023	P	4.50	1425	4	2023	P	4.00	18805
6	2023	P	4.50	1425	6	2023	P	3.50	18650
7	2023	P	4.50	1425	12	2022	C	5.00	18360
9	2023	P	4.50	1425	12	2022	P	5.50	18268
10	2023	P	4.50	1425	8	2023	P	2.00	18237
9	2023	P	1.50	1401	9	2023	P	2.00	18188
4	2023	P	1.50	1400	5	2023	P	3.50	18185
5	2023	P	1.50	1400	7	2023	P	2.00	18037
6	2023	P	1.50	1400	8	2023	P	3.00	17966
7	2023	P	1.50	1400	7	2023	P	3.00	17965
8	2023	P	1.50	1400	1	2023	P	4.00	17902
12	2022	C	6.50	1366	9	2023	P	3.00	17865
12	2022	P	5.75	1298	10	2023	P	3.50	17258
4	2023	P	2.50	1100	5	2023	P	4.00	17226
5	2023	P	2.50	1100	9	2023	P	4.00	17106
6	2023	P	2.50	1100	6	2023	P	4.00	17093
7	2023	P	2.50	1100	8	2023	P	3.50	16836
8	2023	P	2.50	1100	7	2023	P	3.50	16704
9	2023	P	2.50	1100	9	2023	P	3.50	16694
					2	2023	C	8	16558

Source: CME, ICE

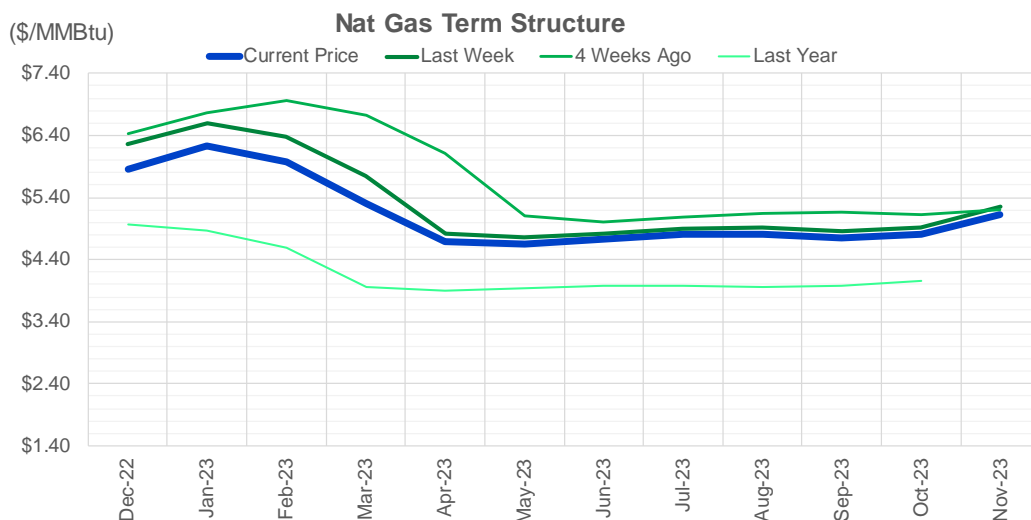
## Nat Gas Futures Open Interest CME and ICE Combined

CME Henry Hub Futures (10,000 MMBtu)				ICE Henry Hub Futures Contract Equivalent (10,000 MM			
	Current	Prior	Daily Change		Current	Prior	Daily Change
DEC 22	65962	70251	-4289	DEC 22	87926	88006	-79
JAN 23	156041	151412	4629	JAN 23	76900	76335	566
FEB 23	65117	64612	505	FEB 23	67131	67690	-559
MAR 23	97776	97750	26	MAR 23	61394	61599	-205
APR 23	82727	82243	484	APR 23	57506	57849	-343
MAY 23	91076	91092	-16	MAY 23	59050	59992	-942
JUN 23	24524	24576	-52	JUN 23	50116	50343	-227
JUL 23	31745	31783	-38	JUL 23	49906	49985	-79
AUG 23	27497	26888	609	AUG 23	47819	47896	-77
SEP 23	29882	29713	169	SEP 23	46133	46178	-46
OCT 23	51046	51790	-744	OCT 23	60918	60443	475
NOV 23	21072	21298	-226	NOV 23	48020	48176	-156
DEC 23	29134	29734	-600	DEC 23	43307	43254	54
JAN 24	34554	35066	-512	JAN 24	46359	46526	-167
FEB 24	12043	11926	117	FEB 24	30569	30494	75
MAR 24	23737	23607	130	MAR 24	38451	38015	437
APR 24	22579	22332	247	APR 24	31253	30996	257
MAY 24	10166	10166	0	MAY 24	30661	30198	463
JUN 24	3483	3491	-8	JUN 24	27071	26883	188
JUL 24	4892	4863	29	JUL 24	26065	25846	219
AUG 24	4528	4534	-6	AUG 24	25454	25227	227
SEP 24	3270	3266	4	SEP 24	25380	25164	216
OCT 24	9754	9667	87	OCT 24	29902	29771	130
NOV 24	4901	4904	-3	NOV 24	26485	26472	13
DEC 24	8761	8762	-1	DEC 24	30300	30269	32
JAN 25	18822	18351	471	JAN 25	24740	24726	14
FEB 25	1817	1817	0	FEB 25	15711	15717	-5
MAR 25	6371	6351	20	MAR 25	17801	17772	29
APR 25	6502	6493	9	APR 25	16401	16379	22
MAY 25	2749	2749	0	MAY 25	15667	15640	27

Source: CME, ICE



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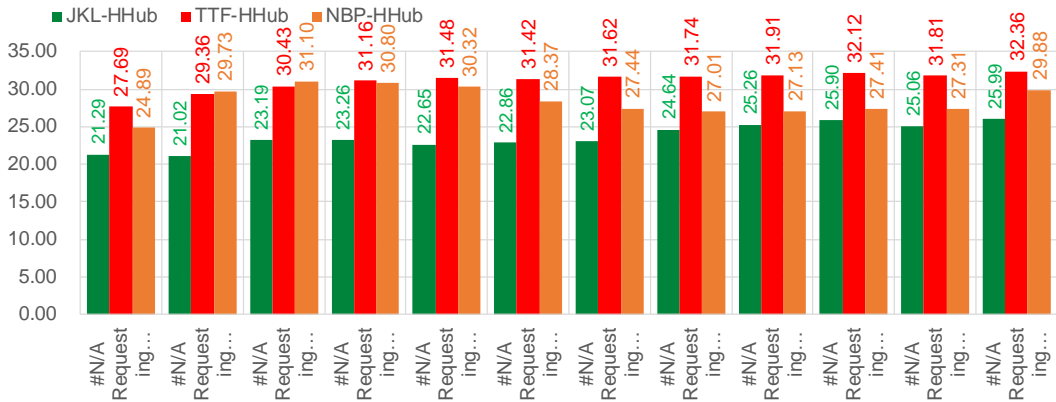
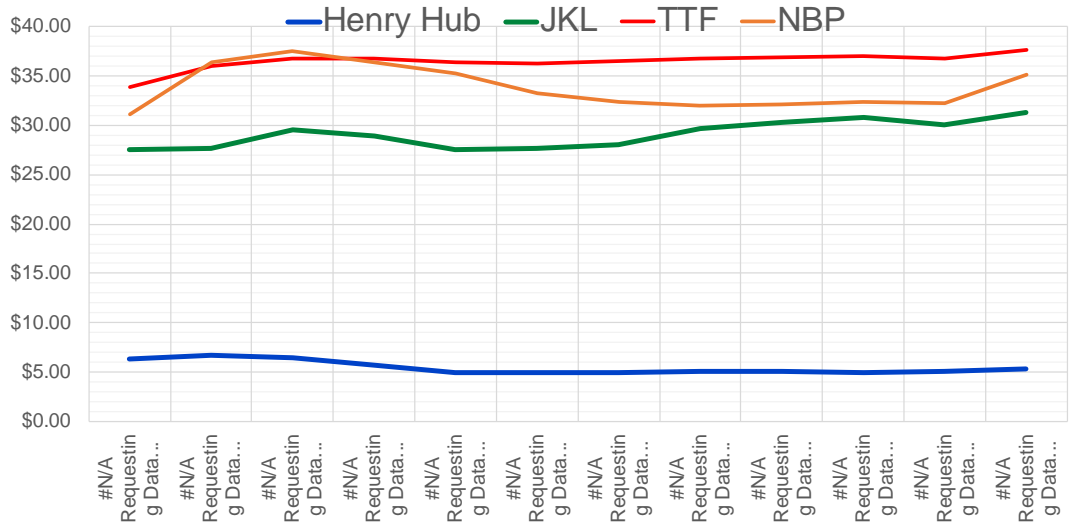
	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
<b>Current Price</b>	<b>\$5.865</b>	<b>\$6.225</b>	<b>\$5.969</b>	<b>\$5.311</b>	<b>\$4.682</b>	<b>\$4.654</b>	<b>\$4.727</b>	<b>\$4.805</b>	<b>\$4.814</b>	<b>\$4.757</b>	<b>\$4.815</b>	<b>\$5.128</b>
Last Week	\$6.268	\$6.589	\$6.373	\$5.749	\$4.823	\$4.754	\$4.817	\$4.890	\$4.907	\$4.865	\$4.925	\$5.250
vs. Last Week	-\$0.403	-\$0.364	-\$0.404	-\$0.438	-\$0.141	-\$0.100	-\$0.090	-\$0.085	-\$0.093	-\$0.108	-\$0.110	-\$0.122
4 Weeks Ago	\$6.435	\$6.766	\$6.953	\$6.723	\$6.110	\$5.096	\$5.004	\$5.076	\$5.150	\$5.158	\$5.126	\$5.201
vs. 4 Weeks Ago	-\$0.570	-\$0.541	-\$0.984	-\$1.412	-\$1.428	-\$0.442	-\$0.277	-\$0.271	-\$0.336	-\$0.401	-\$0.311	-\$0.073
Last Year	\$4.880	\$4.974	\$4.861	\$4.590	\$3.967	\$3.900	\$3.930	\$3.973	\$3.977	\$3.956	\$3.984	\$4.061
vs. Last Year	\$0.985	\$1.251	\$1.108	\$0.721	\$0.715	\$0.754	\$0.797	\$0.832	\$0.837	\$0.801	\$0.831	\$1.067

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	2.39	16.84	14.45
TETCO M3	\$/MMBtu	3.01	7.75	4.74
FGT Zone 3	\$/MMBtu	3.81	6.32	2.51
Zone 6 NY	\$/MMBtu	3.81	8.64	4.83
Chicago Citygate	\$/MMBtu	5.02	6.09	1.07
Michcon	\$/MMBtu	4.71	5.52	0.81
Columbia TCO Pool	\$/MMBtu	3.55	5.19	1.64
Ventura	\$/MMBtu	3.76	6.51	2.75
Rockies/Opal	\$/MMBtu	7.79	6.17	-1.62
El Paso Permian Basin	\$/MMBtu	3.19	4.69	1.50
Socal Citygate	\$/MMBtu	10.87	7.95	-2.92
Malin	\$/MMBtu	7.90	7.24	-0.66
Houston Ship Channel	\$/MMBtu	3.70	5.53	1.83
Henry Hub Cash	\$/MMBtu	4.74	5.44	0.70
AECO Cash	C\$/GJ	4.05	4.58	0.53
Station2 Cash	C\$/GJ	3.44	8.67	5.23
Dawn Cash	C\$/GJ	4.54	5.69	1.15

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	▲ 0.000
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -1.221
NatGas Apr22/Oct22	\$/MMBtu	1.532	▲ 0.000	▲ 0.000	▲ 1.536
WTI Crude	\$/Bbl	86.47	▼ -1.700	▼ -2.640	▲ 4.880
Brent Crude	\$/Bbl	93.67	▼ -1.000	▼ -0.900	▲ 10.800
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	356.94	▼ -29.590	▼ -52.540	▲ 112.230
Propane, Mt. Bel	cents/Gallon	0.87	▲ 0.017	▲ 0.019	▼ -0.485
Ethane, Mt. Bel	cents/Gallon	0.41	▲ 0.022	▼ -0.022	▼ -0.001
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			

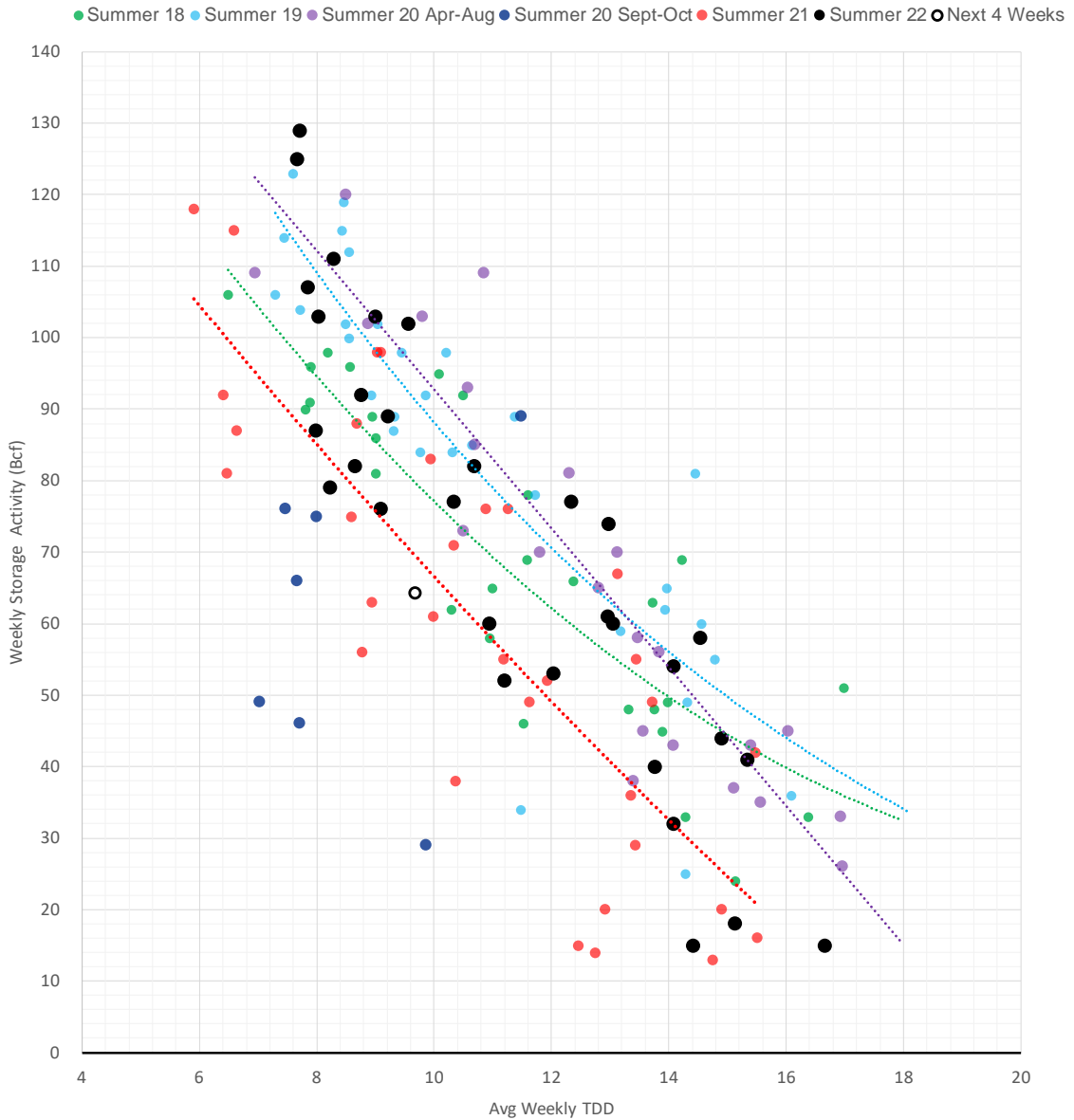
### Nat Gas Term Structure (\$MMBTU)



	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Henry Hub	\$6.253	\$6.647	\$6.398	\$5.667	\$4.904	\$4.871	\$4.939	\$5.012	\$5.017	\$4.955	\$5.007	\$5.295
JKL	\$27.545	\$27.670	\$29.585	\$28.925	\$27.555	\$27.735	\$28.005	\$29.655	\$30.275	\$30.855	\$30.070	\$31.280
JKL-HHHub	\$21.292	\$21.023	\$23.187	\$23.258	\$22.651	\$22.864	\$23.066	\$24.643	\$25.258	\$25.900	\$25.063	\$25.985
TTF	\$33.946	\$36.007	\$36.828	\$36.822	\$36.381	\$36.286	\$36.562	\$36.752	\$36.923	\$37.078	\$36.819	\$37.650
TTF-HHHub	\$27.693	\$29.360	\$30.430	\$31.155	\$31.477	\$31.415	\$31.623	\$31.740	\$31.906	\$32.123	\$31.812	\$32.355
NBP	\$31.145	\$36.373	\$37.499	\$36.467	\$35.219	\$33.243	\$32.383	\$32.020	\$32.146	\$32.363	\$32.317	\$35.174
NBP-HHHub	\$24.892	\$29.726	\$31.101	\$30.800	\$30.315	\$28.372	\$27.444	\$27.008	\$27.129	\$27.408	\$27.310	\$29.879

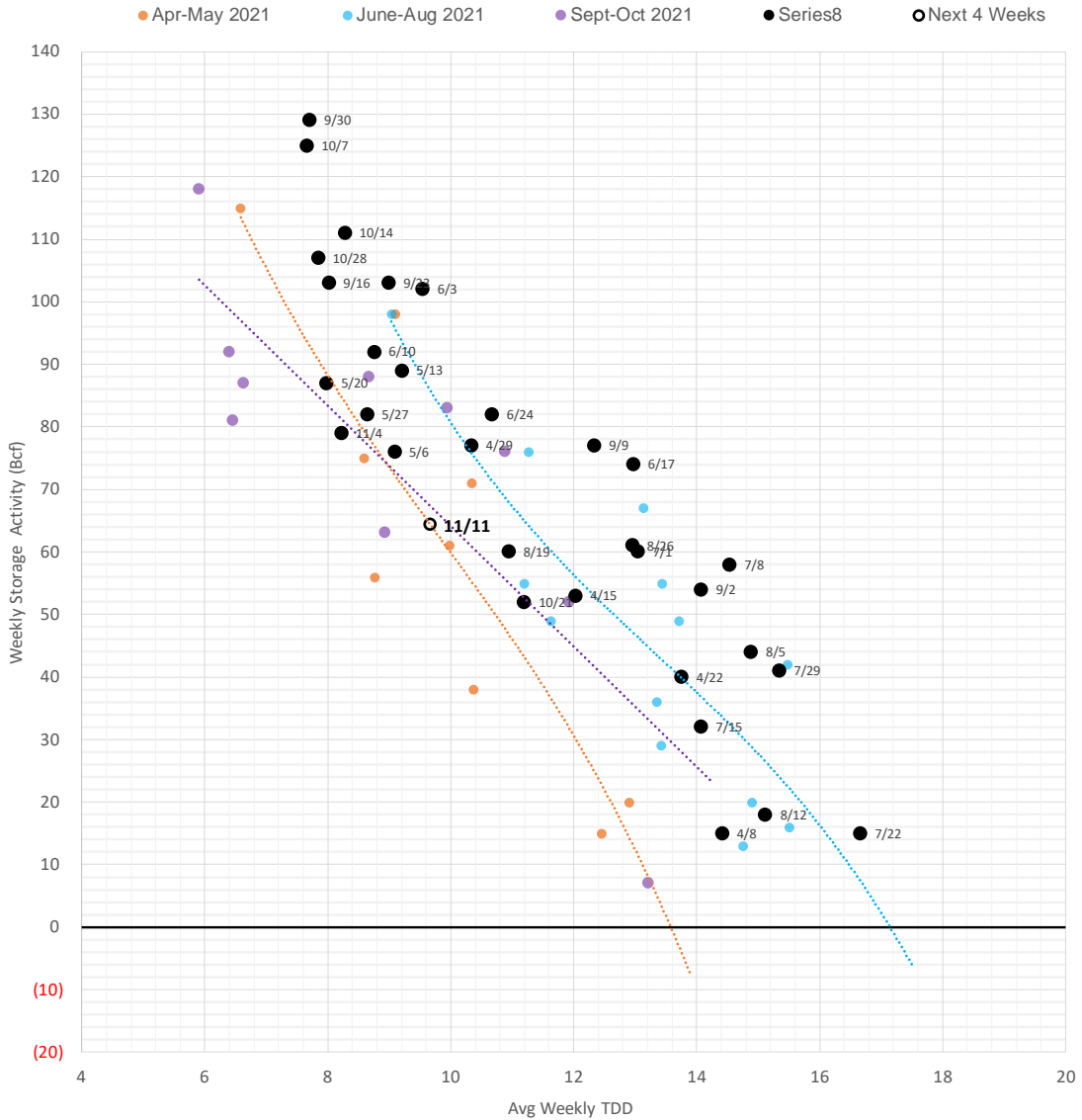
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## Weather Storage Model - Next 4 Week Forecast





## Weather Storage Model - Next 4 Week Forecast



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