

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 4.58	▲ \$ 0.05	▼ \$ (0.23)

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 112.55	▲ \$ 3.85	▼ \$ (2.7)

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 115.17	▲ \$ 4.03	▼ \$ (3.0)

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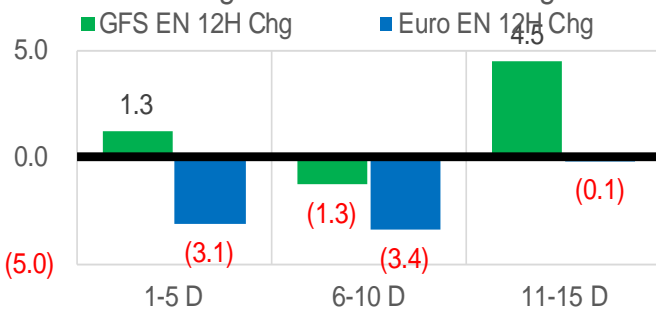
[Nat Gas Options Volume and Open Interest](#)

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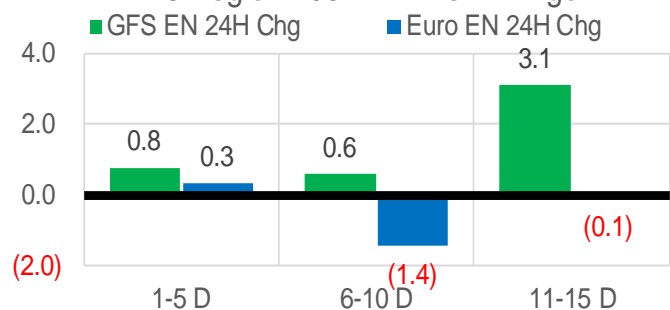
## Vs. 12H Ago

L48 Region - 00z TDD vs 12H Ago



## Vs. 24H Ago

L48 Region - 00z TDD vs 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	93.3	▼ -0.51	▼ -1.54

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	28.3	▼ -1.08	▲ 2.18

	Current	Δ from YD	Δ from 7D Avg
US ResComm	38.7	▼ -0.53	▲ 6.16

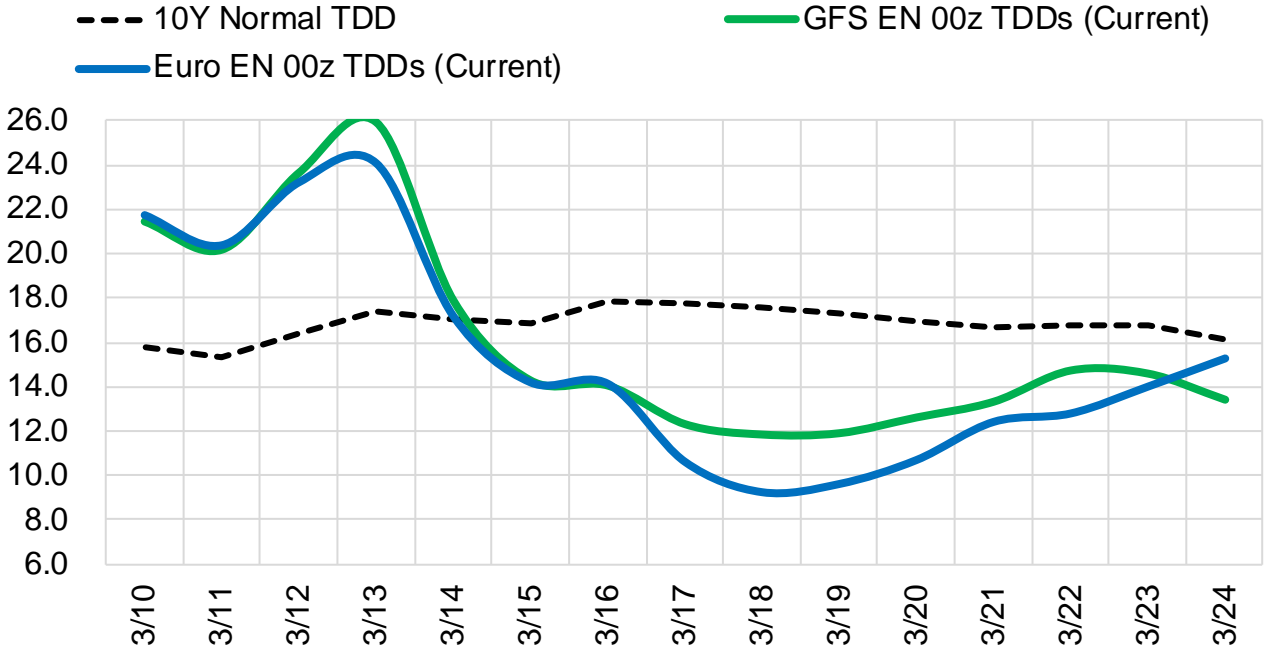
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	5.4	▼ -0.02	▲ 0.23

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	12.5	▼ -0.15	▼ -0.30

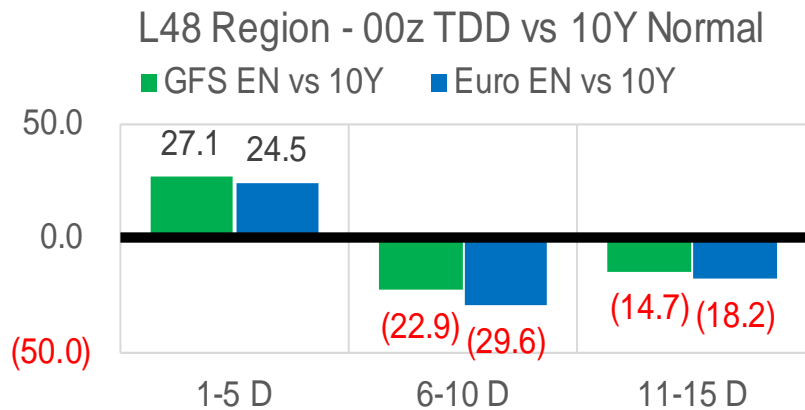
	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.7	▼ -0.12	▲ 0.18

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

### L48 Region



## Vs. 10Y Normal



Source: WSI , Bloomberg

## Lower 48 Component Models

### Daily Balances

	4-Mar	5-Mar	6-Mar	7-Mar	8-Mar	9-Mar	10-Mar	DoD	vs. 7D
<b>Lower 48 Dry Production</b>	<b>95.5</b>	<b>95.0</b>	<b>95.1</b>	<b>95.2</b>	<b>94.1</b>	<b>93.8</b>	<b>93.3</b>	▼ -0.5	▼ -1.5
<b>Canadian Imports</b>	<b>5.3</b>	<b>4.9</b>	<b>4.6</b>	<b>4.8</b>	<b>5.5</b>	<b>5.4</b>	<b>5.4</b>	▼ 0.0	▲ 0.3
L48 Power	25.4	22.4	23.9	26.8	28.8	29.4	28.3	▼ -1.1	▲ 2.2
L48 Residential & Commercial	34.8	26.2	24.8	31.1	38.0	39.3	38.7	▼ -0.5	▲ 6.3
L48 Industrial	21.5	20.4	20.4	21.1	21.7	21.8	21.9	▲ 0.1	▲ 0.7
L48 Lease and Plant Fuel	5.2	5.2	5.2	5.2	5.1	5.1	5.1	▼ -0.1	▼ -0.1
L48 Pipeline Distribution	3.1	2.5	2.5	3.0	3.5	3.6	3.5	▼ -0.1	▲ 0.4
<b>L48 Regional Gas Consumption</b>	<b>90.0</b>	<b>76.8</b>	<b>76.8</b>	<b>87.2</b>	<b>97.1</b>	<b>99.2</b>	<b>97.5</b>	▼ -1.7	▲ 9.7
<b>Net LNG Delivered</b>	<b>12.88</b>	<b>12.88</b>	<b>12.89</b>	<b>13.08</b>	<b>12.56</b>	<b>12.63</b>	<b>12.47</b>	▼ -0.2	▼ -0.3
<b>Total Mexican Exports</b>	<b>6.6</b>	<b>6.3</b>	<b>6.1</b>	<b>6.6</b>	<b>6.9</b>	<b>6.8</b>	<b>6.7</b>	▼ -0.1	▲ 0.2
<b>Implied Daily Storage Activity</b>	<b>-8.8</b>	<b>4.0</b>	<b>3.9</b>	<b>-6.7</b>	<b>-17.0</b>	<b>-19.5</b>	<b>-18.1</b>		
<b>EIA Reported Daily Storage Activity</b>									
<b>Daily Model Error</b>									

### EIA Storage Week Balances

	28-Jan	4-Feb	11-Feb	18-Feb	25-Feb	4-Mar	WoW	vs. 4W
<b>Lower 48 Dry Production</b>	<b>93.9</b>	<b>93.8</b>	<b>91.5</b>	<b>95.6</b>	<b>94.2</b>	<b>94.1</b>	▼ -0.1	▲ 0.3
<b>Canadian Imports</b>	<b>7.1</b>	<b>7.1</b>	<b>7.1</b>	<b>6.2</b>	<b>6.4</b>	<b>5.9</b>	▼ -0.5	▼ -0.9
L48 Power	31.9	29.7	29.4	26.8	27.3	28.2	▲ 0.9	▼ -0.1
L48 Residential & Commercial	53.5	49.0	45.8	40.3	41.4	38.5	▼ -2.8	▼ -5.6
L48 Industrial	26.4	27.0	24.6	26.1	26.2	25.2	▼ -1.0	▼ -0.8
L48 Lease and Plant Fuel	5.1	5.1	5.0	5.2	5.1	5.1	▼ 0.0	▲ 0.0
L48 Pipeline Distribution	4.1	3.8	3.5	3.2	3.2	3.3	▲ 0.0	▼ -0.2
<b>L48 Regional Gas Consumption</b>	<b>121.1</b>	<b>114.6</b>	<b>108.3</b>	<b>101.6</b>	<b>103.2</b>	<b>100.3</b>	▼ -2.9	▼ -6.6
<b>Net LNG Exports</b>	<b>12.5</b>	<b>12.1</b>	<b>12.4</b>	<b>13.0</b>	<b>11.7</b>	<b>12.5</b>	▲ 0.8	▲ 0.1
<b>Total Mexican Exports</b>	<b>6.5</b>	<b>6.4</b>	<b>6.1</b>	<b>6.1</b>	<b>6.1</b>	<b>6.4</b>	▲ 0.3	▲ 0.3
<b>Implied Daily Storage Activity</b>	<b>-39.0</b>	<b>-32.2</b>	<b>-28.2</b>	<b>-18.9</b>	<b>-20.5</b>	<b>-19.2</b>	1.2	
<b>EIA Reported Daily Storage Activity</b>	<b>-38.3</b>	<b>-31.7</b>	<b>-27.1</b>	<b>-18.4</b>	<b>-19.9</b>			
<b>Daily Model Error</b>	<b>-0.7</b>	<b>-0.5</b>	<b>-1.1</b>	<b>-0.4</b>	<b>-0.6</b>			

### Monthly Balances

	2Yr Ago Mar-20	LY Mar-21	Nov-21	Dec-21	Jan-22	Feb-22	MTD Mar-22	MoM	vs. LY
<b>Lower 48 Dry Production</b>	<b>94.2</b>	<b>91.3</b>	<b>95.7</b>	<b>96.2</b>	<b>94.3</b>	<b>93.5</b>	<b>94.8</b>	▲ 1.3	▲ 3.5
<b>Canadian Imports</b>	<b>4.1</b>	<b>4.8</b>	<b>5.3</b>	<b>4.8</b>	<b>6.7</b>	<b>6.6</b>	<b>5.2</b>	▼ -1.5	▲ 0.4
L48 Power	28.3	24.5	29.2	28.5	30.7	28.2	26.2	▼ -1.9	▲ 1.7
L48 Residential & Commercial	27.6	28.9	28.4	33.8	49.1	43.0	31.9	▼ -11.2	▲ 3.0
L48 Industrial	22.3	19.3	23.0	22.9	26.4	25.5	21.3	▼ -4.2	▲ 2.0
L48 Lease and Plant Fuel	5.1	5.0	5.3	5.3	5.2	5.1	5.2	▲ 0.1	▲ 0.2
L48 Pipeline Distribution	2.9	2.8	2.9	3.2	3.9	3.4	3.0	▼ -0.3	▲ 0.2
<b>L48 Regional Gas Consumption</b>	<b>86.2</b>	<b>80.4</b>	<b>88.8</b>	<b>93.7</b>	<b>115.2</b>	<b>105.2</b>	<b>87.6</b>	▼ -17.6	▲ 7.2
<b>Net LNG Exports</b>	<b>8.5</b>	<b>11.1</b>	<b>11.4</b>	<b>12.1</b>	<b>12.4</b>	<b>12.4</b>	<b>12.6</b>	▲ 0.2	▲ 1.5
<b>Total Mexican Exports</b>	<b>5.4</b>	<b>6.5</b>	<b>6.1</b>	<b>6.2</b>	<b>6.3</b>	<b>6.2</b>	<b>6.5</b>	▲ 0.4	▲ 0.1
<b>Implied Daily Storage Activity</b>	<b>-1.9</b>	<b>-2.0</b>	<b>-5.3</b>	<b>-11.0</b>	<b>-32.9</b>	<b>-23.7</b>	<b>-6.8</b>		
<b>EIA Reported Daily Storage Activity</b>									
<b>Daily Model Error</b>									

Source: Bloomberg, analytix.ai

## Daily Average Generation Data

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

	2-Mar	3-Mar	4-Mar	5-Mar	6-Mar	7-Mar	8-Mar	DoD	vs. 7D
NRC Nuclear Daily Output	85.6	84.2	84.8	84.8	84.8	81.9	81.7	-0.2	-2.6
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	19.3	20.7	20.1	20.1	20.1	23.0	23.1	0.2	2.6
NRC % Nuclear Cap Utilization	87.0	85.6	86.2	86.2	86.2	83.3	83.1	-0.2	-2.6

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

	2-Mar	3-Mar	4-Mar	5-Mar	6-Mar	7-Mar	8-Mar	DoD	vs. 7D
CALI Wind	556	1458	4134	4108	2797	1691	1061	-631	-1397
TEXAS Wind	5527	8672	20229	17920	19626	14560	4680	-9881	-9743
US Wind	30790	43315	70830	72905	69704	57009	36254	-20755	-21171

### Generation Daily Average - MWh (EIA)

	2-Mar	3-Mar	4-Mar	5-Mar	6-Mar	7-Mar	8-Mar	DoD	vs. 7D
US Wind	30790	43315	70830	72905	69704	57009	36254	-20755	-21171
US Solar	14938	13208	10606	10640	11902	12778	13954	1176	1609
US Petroleum	3005	2999	2288	1842	2047	2228	2251	22	-151
US Other	6564	6170	5829	6107	6006	6336	6584	248	415
US Coal	95520	92244	82150	74588	77060	88445	95314	6869	10313
US Nuke	89044	88795	88158	87400	86213	85888	85950	63	-1632
US Hydro	33435	33762	35640	33736	31987	33743	33971	228	254
<b>US Gas</b>	<b>145617</b>	<b>141976</b>	<b>129254</b>	<b>111753</b>	<b>106741</b>	<b>140795</b>	<b>166548</b>	<b>25752</b>	<b>37191</b>

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Storage Week Average Generation Data

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

	28-Jan	4-Feb	11-Feb	18-Feb	25-Feb	4-Mar	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	89.7	89.5	87.6	88.2	86.9	85.8	-1.1	0.2
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	15.2	15.4	17.3	16.7	18.0	19.1	1.1	
NRC % Nuclear Cap Utilization	91.2	91.0	89.1	89.7	88.3	87.2	-1.1	

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

	28-Jan	4-Feb	11-Feb	18-Feb	25-Feb	4-Mar	WoW	WoW Bcf/d Impact
CALI Wind	1580	1627	1156	2105	2261	872	-1388	0.2
TEXAS Wind	7185	12223	9259	16874	13068	6269	-6799	1.2
US Wind	45244	53914	53944	63320	60529	36075	-24454	4.4

### Generation Weekly Average - MWh (EIA)

	28-Jan	4-Feb	11-Feb	18-Feb	25-Feb	4-Mar	WoW	WoW Bcf/d Impact
US Wind	45244	53914	53944	63320	60529	36075	-24454	4.4
US Solar	10087	10460	12288	12314	11899	13720	1820	-0.3
US Petroleum	5993	4672	3554	4126	2961	3130	170	0.0
US Other	9663	9661	9373	9134	8211	7448	-763	0.1
US Coal	130576	124851	113847	101772	99951	103469	3519	-0.6
US Nuke	94693	94661	92640	92758	91458	90165	-1293	0.2
US Hydro	34137	31810	32222	31959	33221	32211	-1010	0.2
<b>US Gas</b>	<b>177834</b>	<b>159399</b>	<b>162271</b>	<b>137937</b>	<b>147268</b>	<b>158566</b>	<b>11298</b>	<b>-2.0</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	Dec-21	Jan-22	Feb-22	Mar-22				
	NRC Nuclear Daily Output	87.5	87.0	90.3	90.2	87.6	83.6			
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	17.4	17.8	14.6	14.7	17.3	21.2	18.8	3.9	1.0	
NRC % Nuclear Cap Utilization	89.0	88.5	91.8	91.7	89.0	85.1	87.5	-4.0	-1.0	

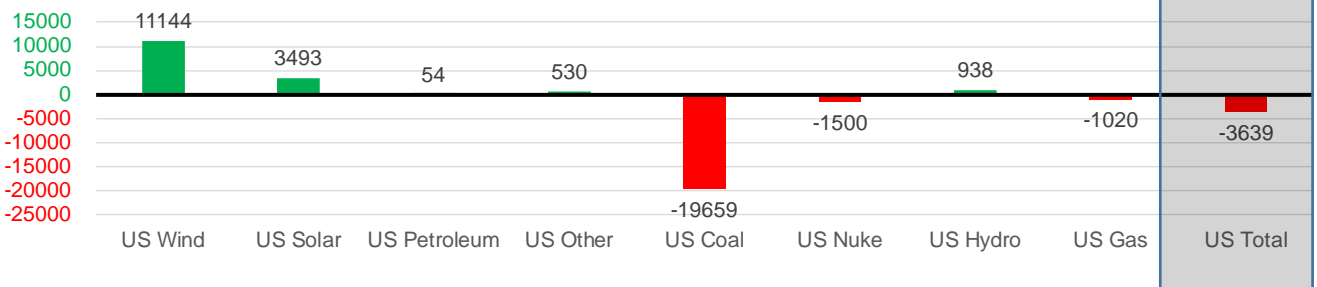
### Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago		LY		MTD			Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Dec-21	Jan-22	Feb-22	Mar-22				
	CALI Wind	1191	2220	1585	1364	1719	1874			
TEXAS Wind	10306	9877	12927	11355	12294	10638	11670	-1656	1792	
US Wind	40925	42346	54810	51165	56700	48682	53490	-8017	11144	

### 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	Dec-21	Jan-22	Feb-22	Mar-22				
	US Wind	40925	42346	54810	51165	56700	48682			
US Solar	7143	9235	7376	9476	12089	13042	12728	▼ -313.9	▲ 3493	
US Petroleum	3267	3026	3135	5021	3449	2422	3080	▲ 658	▲ 54	
US Other	6679	7317	8222	8792	8831	6361	7847	▲ 1486	▲ 530	
US Coal	76928	117966	81617	118026	106657	89802	98306	▲ 8504	▼ -19659	
US Nuke	88474	91921	95449	95259	92275	87412	90421	▲ 3008	▼ -1500	
US Hydro	35902	31735	30826	34109	32221	33577	32673	▼ -904	▲ 938	
<b>US Gas</b>	<b>161387</b>	<b>147820</b>	<b>152627</b>	<b>164026</b>	<b>152047</b>	<b>142987</b>	<b>146800</b>	<b>▲ 17246</b>	<b>▼ -1020</b>	
<b>US Total</b>	<b>419199</b>	<b>449566</b>	<b>434177</b>	<b>485998</b>	<b>464816</b>	<b>424818</b>	<b>445927</b>	<b>▲ 29684</b>	<b>▼ -3639</b>	

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Regional S/D Models Storage Projection

Week Ending 4-Mar

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	-19.1	0.5	-18.6	-130
East	-8.3	2.0	-6.3	-44
Midwest	-5.7	0.0	-5.7	-40
Mountain	3.0	-3.8	-0.7	-5
South Central	-8.2	2.9	-5.2	-37
Pacific	0.0	-0.6	-0.6	-4

\*Adjustment Factor is calculated based on historical regional deltas

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

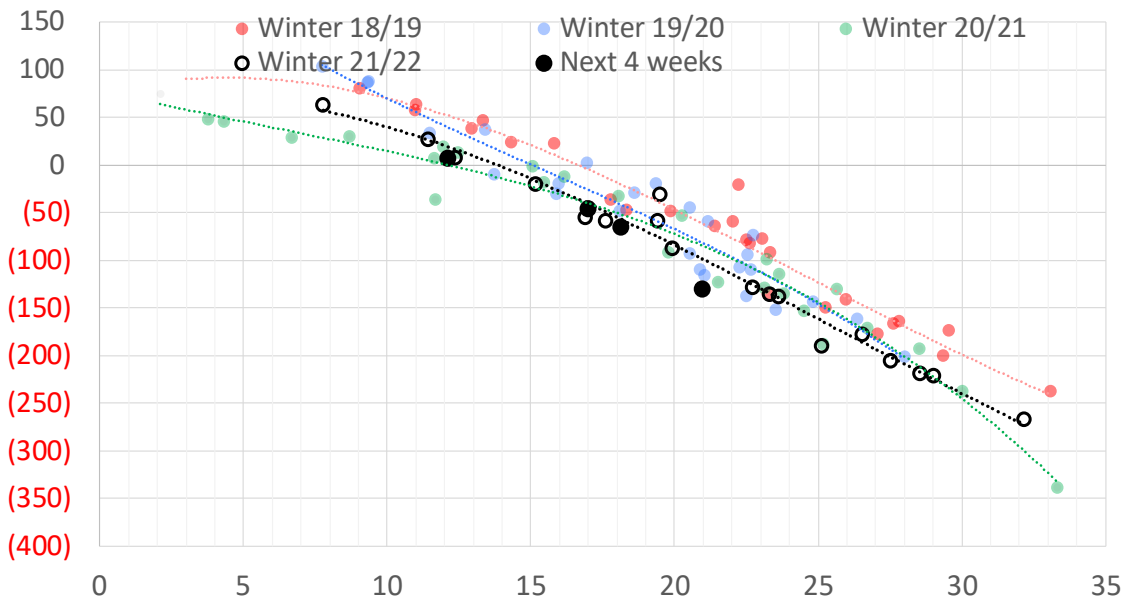


### Weather Model Storage Projection

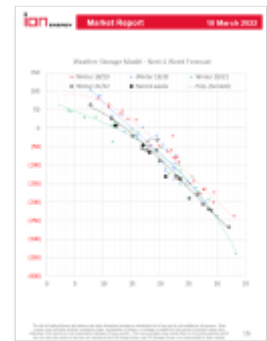
Next report  
and beyond

Week Ending	GWDDs	Week Storage Projection
04-Mar	21	-130
11-Mar	18	-65
18-Mar	17	-46
25-Mar	12	8

Weather Storage Model - Next 4 Week Forecast

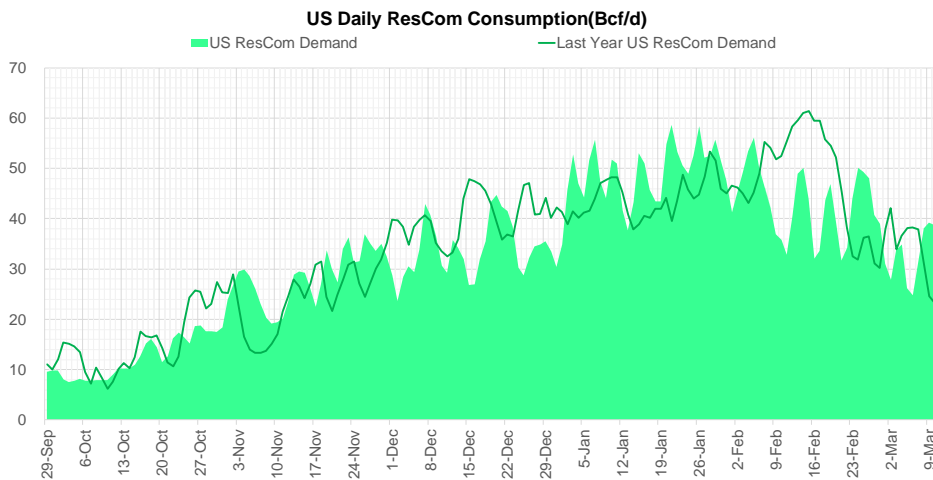
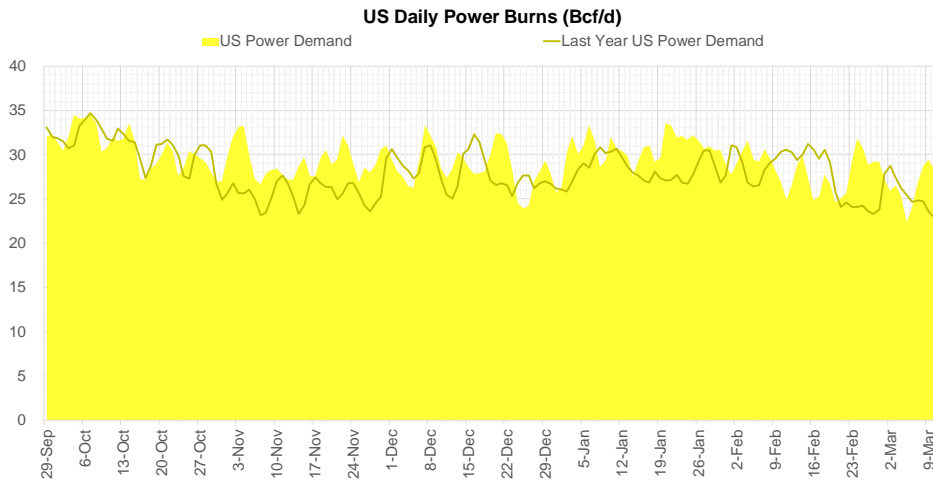
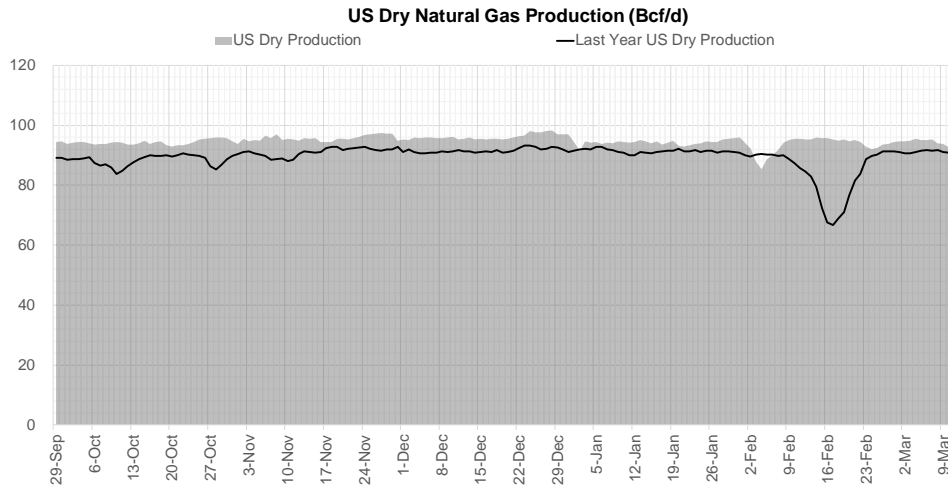


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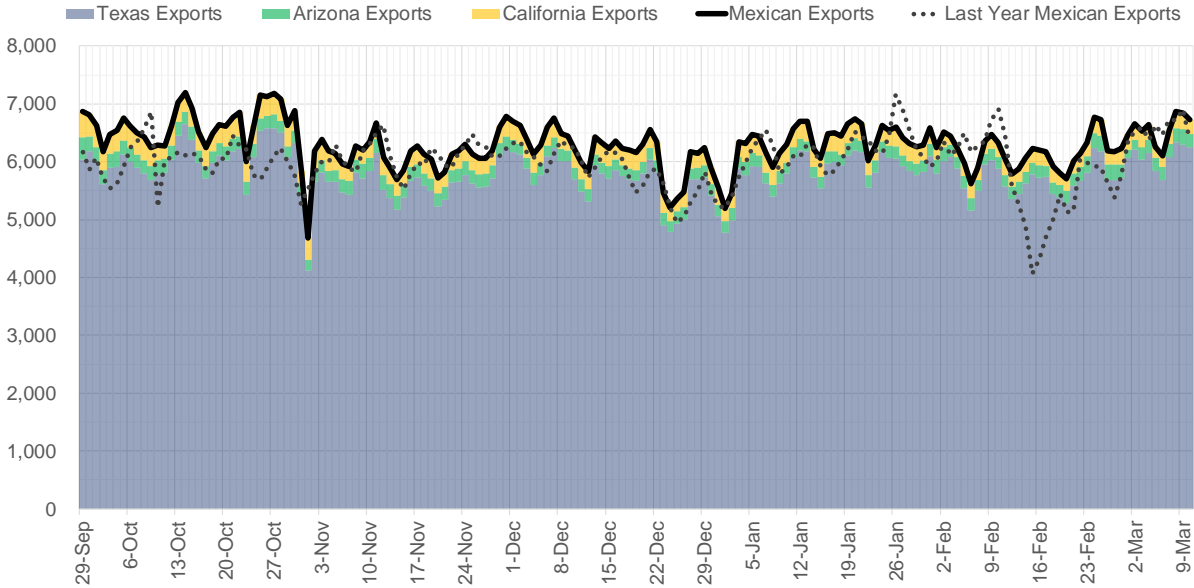
## Supply – Demand Trends



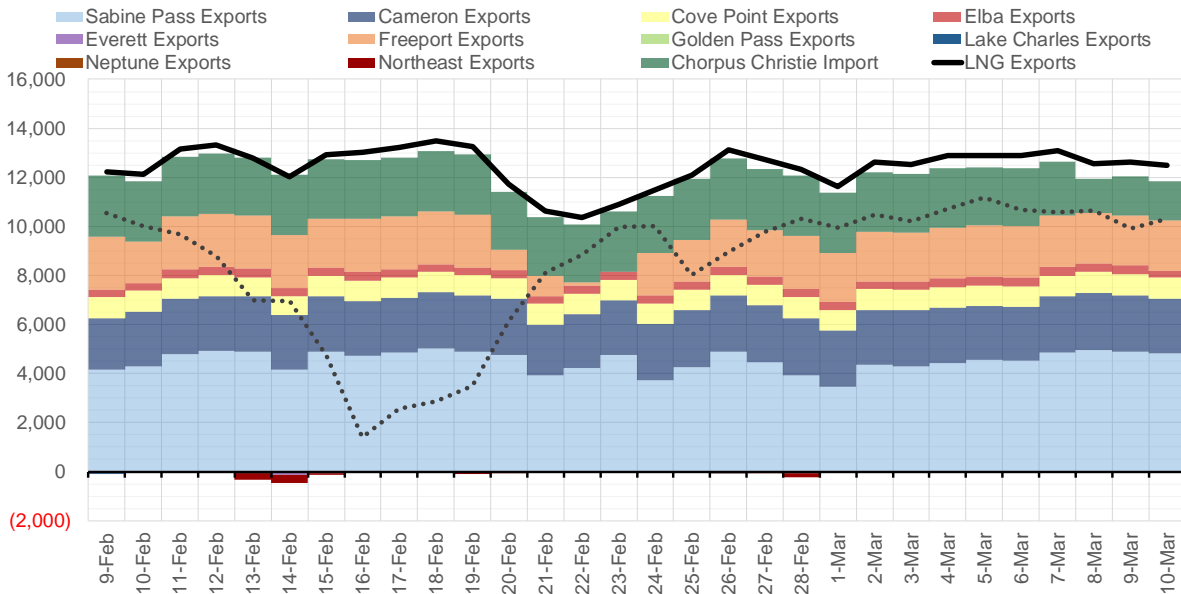
Source: Bloomberg

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.

### 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

ICE Data not  
updated today

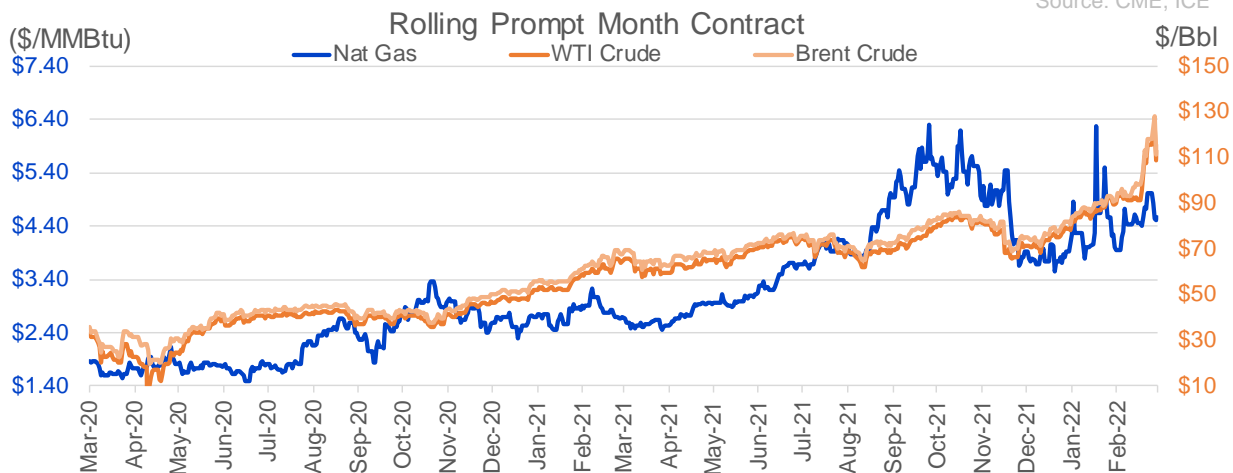
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
4	2022	P	4.00	5886	4	2022	C	5.00	36866
5	2022	C	6.00	4129	4	2022	P	3.50	35044
2	2023	C	10.00	4025	4	2022	P	3.00	28697
4	2022	P	4.25	3678	4	2022	C	4.75	28258
4	2022	P	3.75	3082	10	2022	C	6.00	27905
1	2023	C	7.50	3000	10	2022	C	5.00	26233
1	2023	C	10.00	3000	4	2022	P	3.75	24562
2	2023	C	7.50	3000	4	2022	C	6.00	23262
3	2023	C	7.50	3000	4	2022	P	4.00	23199
3	2023	C	10.00	3000	6	2022	C	6.00	22763
5	2022	C	7.00	2574	5	2022	C	5.00	22748
10	2022	C	4.70	2000	5	2022	P	3.00	22461
10	2022	P	4.70	2000	7	2022	C	6.00	20417
5	2022	P	4.00	1913	5	2022	C	6.00	20173
5	2022	C	5.50	1875	9	2022	C	6.00	20075
4	2022	C	5.00	1804	5	2022	P	2.50	19938
7	2022	C	5.50	1600	6	2022	C	5.00	19180
10	2022	C	6.00	1599	8	2022	C	6.00	19162
7	2022	C	6.00	1512	5	2022	P	3.50	19117
5	2022	C	5.00	1430	4	2022	P	4.50	18441
4	2022	C	5.25	1403	4	2022	C	4.50	18385
6	2022	C	5.50	1384	5	2022	P	4.00	18125
6	2022	C	6.00	1299	10	2022	P	3.00	17882
1	2023	C	6.00	1225	12	2022	C	5.00	17871
3	2023	C	1.00	1200	6	2022	P	3.00	17795
3	2023	P	1.00	1200	4	2022	C	3.00	17511
10	2022	P	4.00	1136	5	2022	P	2.75	17485
5	2022	P	3.60	1019	4	2022	P	2.50	17245
8	2022	P	4.00	1000	10	2022	C	7.00	16582
9	2022	P	2.75	1000	4	2022	C	5.50	16436
1	2023	C	7.00	1000	7	2022	P	3.25	16411
2	2023	C	11.00	1000	6	2022	P	4.00	16368
7	2022	P	4.00	982	9	2022	P	2.50	15636
7	2022	P	3.50	864	4	2022	C	8.00	14990
6	2022	C	5.00	848	8	2022	P	3.00	14919
4	2022	P	3.50	829	6	2022	P	3.75	14789
7	2022	C	5.00	810	4	2022	P	3.25	14757
6	2022	P	4.25	807	6	2022	P	3.50	14738
4	2022	C	5.50	780	7	2022	P	3.00	14583
4	2022	P	4.50	758	1	2023	C	5.00	14254
6	2022	P	4.00	734	4	2022	P	4.25	14210
5	2022	P	3.50	719	12	2022	C	6.00	14020
8	2022	P	3.75	700	5	2022	C	7.00	14006
5	2022	P	3.75	691	6	2022	C	4.50	13948
9	2022	P	4.00	686	9	2022	P	2.75	13933
6	2022	P	3.50	681	10	2022	P	2.00	13921
6	2022	C	7.00	678	5	2022	C	3.00	13733
4	2022	C	5.10	676	7	2022	C	5.00	13722
10	2022	C	5.00	643	6	2022	C	3.00	13438
					5	2022	C	4	13405.5

Source: CME, ICE

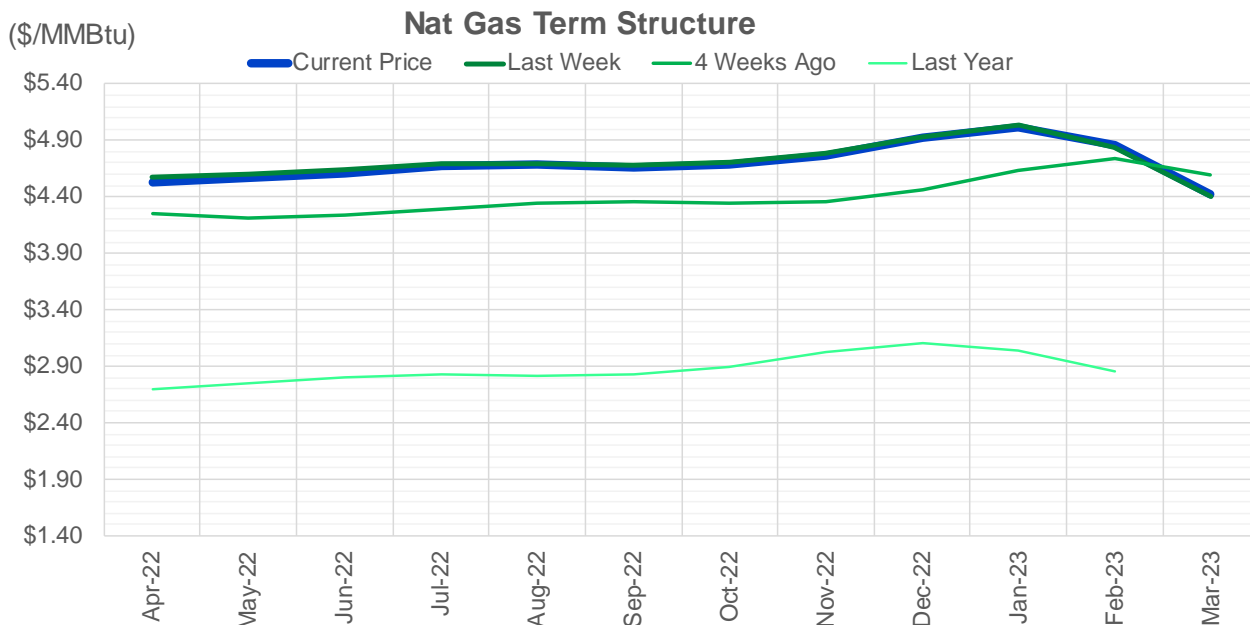
### Nat Gas Futures Open Interest CME and ICE Combined

ICE Data not updated today

CME Henry Hub Futures (10,000 MMBtu)				ICE Henry Hub Futures Contract Equivalent (10,000 MM			
	Current	Prior	Daily Change		Current	Prior	Daily Change
APR 22	103918	106189	-2271	APR 22	74046	76131	-2086
MAY 22	201505	197070	4435	MAY 22	79635	79150	486
JUN 22	69776	68037	1739	JUN 22	72497	72347	150
JUL 22	83069	82215	854	JUL 22	67383	67255	128
AUG 22	43802	43410	392	AUG 22	61509	61779	-270
SEP 22	73240	69425	3815	SEP 22	63370	63552	-182
OCT 22	84487	82574	1913	OCT 22	71279	71285	-6
NOV 22	43259	43240	19	NOV 22	55813	55875	-63
DEC 22	45422	44730	692	DEC 22	64845	65250	-404
JAN 23	61054	58142	2912	JAN 23	64282	64299	-17
FEB 23	19836	20051	-215	FEB 23	45739	45795	-56
MAR 23	38227	37646	581	MAR 23	50564	50524	40
APR 23	41909	41677	232	APR 23	49069	48937	132
MAY 23	24501	25083	-582	MAY 23	43972	43731	241
JUN 23	14016	14392	-376	JUN 23	40435	40382	53
JUL 23	11252	11240	12	JUL 23	39952	39911	42
AUG 23	8930	8821	109	AUG 23	39864	39736	127
SEP 23	12967	12308	659	SEP 23	39321	39268	53
OCT 23	22879	22254	625	OCT 23	44005	43928	77
NOV 23	10770	10316	454	NOV 23	40950	41040	-90
DEC 23	14237	14197	40	DEC 23	35836	35899	-63
JAN 24	16567	16409	158	JAN 24	30016	29907	109
FEB 24	3474	3434	40	FEB 24	20689	20597	92
MAR 24	14480	14436	44	MAR 24	26503	26407	96
APR 24	6948	6935	13	APR 24	20194	20085	109
MAY 24	2441	2441	0	MAY 24	19347	19358	-11
JUN 24	1098	1086	12	JUN 24	19156	19025	132
JUL 24	890	878	12	JUL 24	19734	19753	-19
AUG 24	1034	1022	12	AUG 24	19823	19687	136
SEP 24	1151	1139	12	SEP 24	19249	19267	-18



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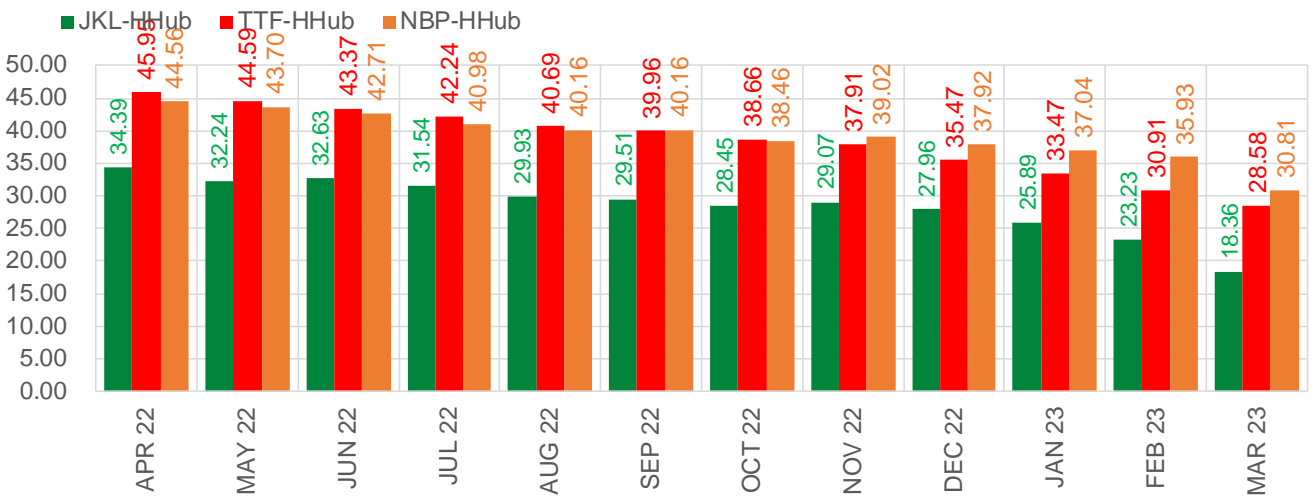
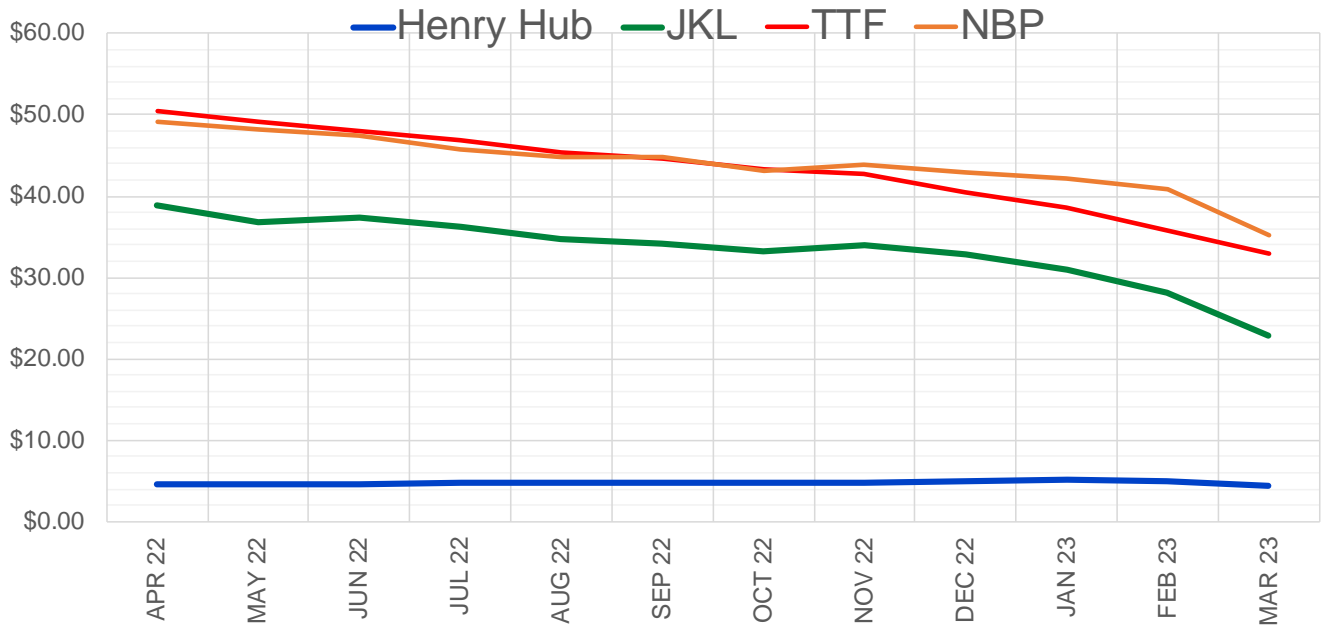
	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
<b>Current Price</b>	<b>\$4.527</b>	<b>\$4.563</b>	<b>\$4.611</b>	<b>\$4.670</b>	<b>\$4.681</b>	<b>\$4.665</b>	<b>\$4.683</b>	<b>\$4.766</b>	<b>\$4.921</b>	<b>\$5.018</b>	<b>\$4.853</b>	<b>\$4.429</b>
Last Week	\$4.573	\$4.598	\$4.640	\$4.691	\$4.698	\$4.679	\$4.701	\$4.782	\$4.931	\$5.030	\$4.837	\$4.408
vs. Last Week	-\$0.046	-\$0.035	-\$0.029	-\$0.021	-\$0.017	-\$0.014	-\$0.018	-\$0.016	-\$0.010	-\$0.012	\$0.016	\$0.021
4 Weeks Ago	\$4.248	\$4.218	\$4.245	\$4.292	\$4.345	\$4.355	\$4.339	\$4.361	\$4.457	\$4.628	\$4.736	\$4.595
vs. 4 Weeks Ago	\$0.279	\$0.345	\$0.366	\$0.378	\$0.336	\$0.310	\$0.344	\$0.405	\$0.464	\$0.390	\$0.117	-\$0.166
Last Year	\$2.662	\$2.696	\$2.752	\$2.807	\$2.831	\$2.822	\$2.834	\$2.900	\$3.020	\$3.102	\$3.038	\$2.860
vs. Last Year	\$1.865	\$1.867	\$1.859	\$1.863	\$1.850	\$1.843	\$1.849	\$1.866	\$1.901	\$1.916	\$1.815	\$1.569

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	4.65	5.27	0.62
TETCO M3	\$/MMBtu	4.29	4.25	-0.04
FGT Zone 3	\$/MMBtu	4.39	4.91	0.52
Zone 6 NY	\$/MMBtu	4.39	4.22	-0.18
Chicago Citygate	\$/MMBtu	4.46	4.63	0.17
Michcon	\$/MMBtu	4.41	4.63	0.22
Columbia TCO Pool	\$/MMBtu	4.15	4.27	0.12
Ventura	\$/MMBtu	4.42	4.60	0.18
Rockies/Opal	\$/MMBtu	4.47	4.31	-0.17
El Paso Permian Basin	\$/MMBtu	4.25	4.17	-0.08
Socal Citygate	\$/MMBtu	4.82	4.41	-0.41
Malin	\$/MMBtu	4.18	4.40	0.22
Houston Ship Channel	\$/MMBtu	4.35	4.62	0.27
Henry Hub Cash	\$/MMBtu	4.51	4.53	0.02
AECO Cash	C\$/GJ	3.97	3.82	-0.16
Station2 Cash	C\$/GJ	3.95	4.34	0.39
Dawn Cash	C\$/GJ	4.45	4.67	0.22

Source: CME, Bloomberg

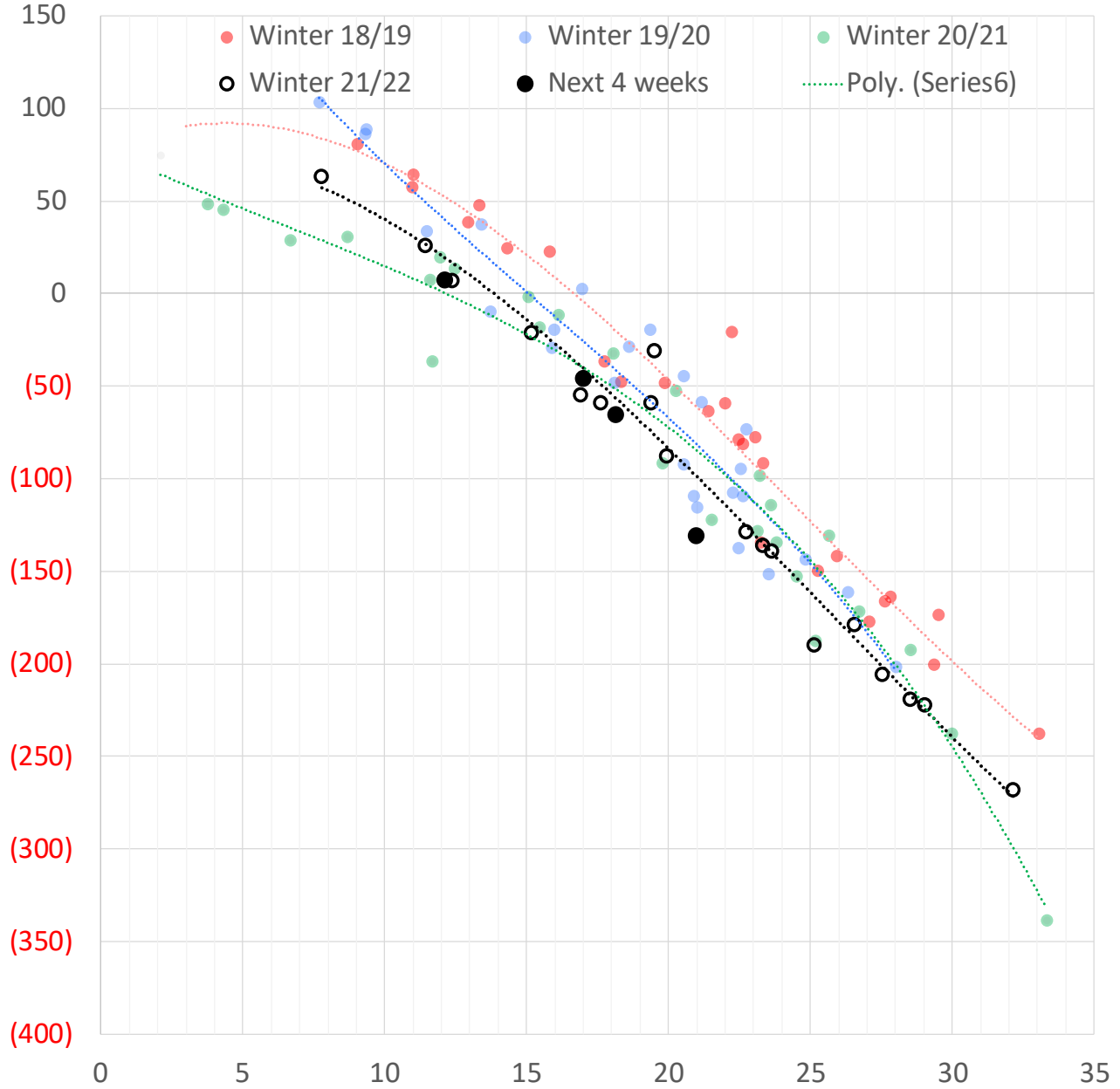
	Units	Current Price	vs. Last Week	vs. 4 Weeks Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 2.201
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.296
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -2.080
NatGas Apr22/Oct22	\$/MMBtu	0.157	▲ 0.040	▲ 0.004	▲ 0.127
WTI Crude	\$/Bbl	108.70	▼ -1.900	▲ 19.040	▲ 44.260
Brent Crude	\$/Bbl	111.14	▼ -1.790	▲ 19.590	▲ 43.240
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	346.43	▼ -3.040	▲ 63.940	▲ 154.700
Propane, Mt. Bel	cents/Gallon	1.49	▼ -0.042	▲ 0.238	▲ 0.557
Ethane, Mt. Bel	cents/Gallon	0.41	▼ -0.011	▲ 0.030	▲ 0.195
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)



	APR 22	MAY 22	JUN 22	JUL 22	AUG 22	SEP 22	OCT 22	NOV 22	DEC 22	JAN 23	FEB 23	MAR 23
Henry Hub	\$4.575	\$4.605	\$4.657	\$4.716	\$4.733	\$4.719	\$4.736	\$4.816	\$4.951	\$5.055	\$4.887	\$4.450
JKL	\$38.965	\$36.840	\$37.290	\$36.255	\$34.660	\$34.230	\$33.185	\$33.890	\$32.910	\$30.940	\$28.120	\$22.810
JKL-HHHub	\$34.390	\$32.235	\$32.633	\$31.539	\$29.927	\$29.511	\$28.449	\$29.074	\$27.959	\$25.885	\$23.233	\$18.360
TTF	\$50.529	\$49.197	\$48.028	\$46.957	\$45.421	\$44.677	\$43.398	\$42.727	\$40.420	\$38.525	\$35.794	\$33.034
TTF-HHHub	\$45.954	\$44.592	\$43.371	\$42.241	\$40.688	\$39.958	\$38.662	\$37.911	\$35.469	\$33.470	\$30.907	\$28.584
NBP	\$49.132	\$48.302	\$47.369	\$45.693	\$44.888	\$44.875	\$43.194	\$43.839	\$42.874	\$42.096	\$40.820	\$35.260
NBP-HHHub	\$44.557	\$43.697	\$42.712	\$40.977	\$40.155	\$40.156	\$38.458	\$39.023	\$37.923	\$37.041	\$35.933	\$30.810

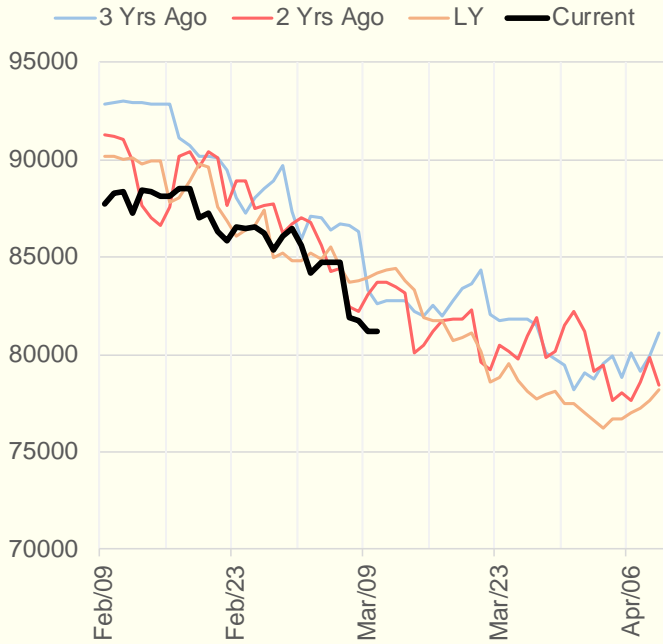
## Weather Storage Model - Next 4 Week Forecast



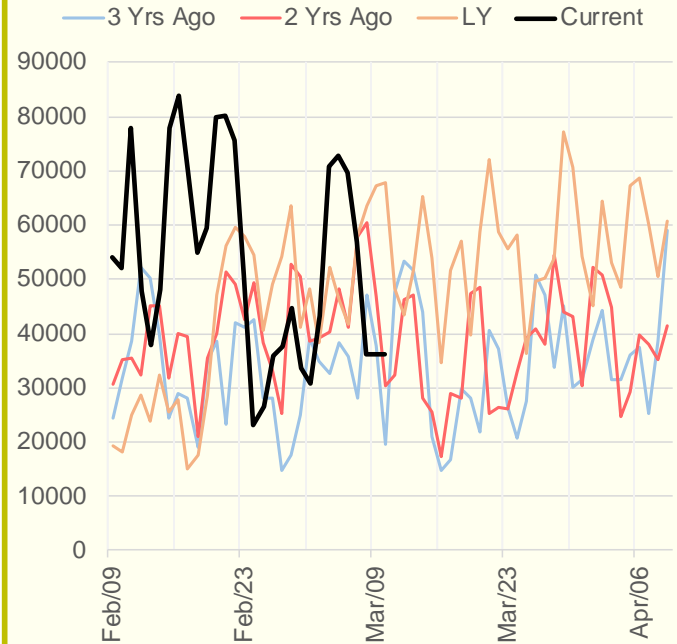
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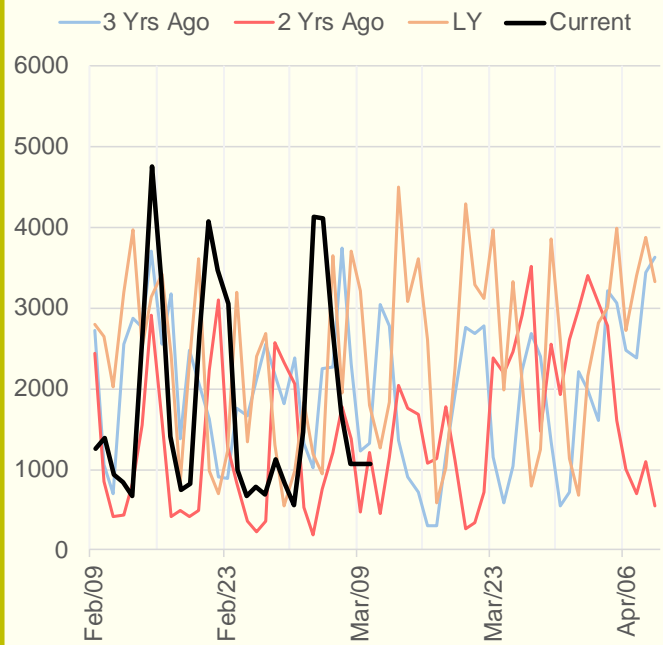
### NRC Nuclear Daily Output



### US Wind



### CALI Wind



### TEXAS Wind

