

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 6.20	▲ \$ 0.17	▲ \$ 0.40

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 98.43	▲ \$ 2.20	▼ \$ (1.5)

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 103.06	▲ \$ 1.99	▼ \$ (2.1)

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[Lower 48 Component Models](#)

[Regional S/D Models Storage Projection](#)

[Weather Model Storage Projection](#)

[Supply – Demand Trends](#)

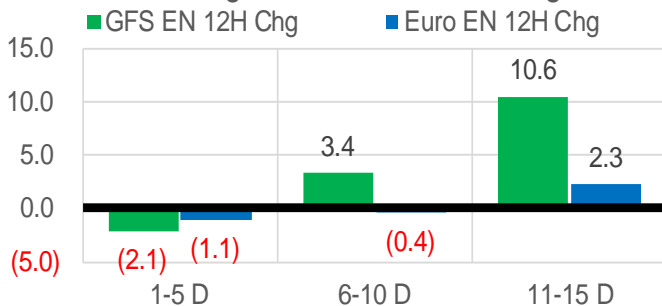
[Nat Gas Options Volume and Open Interest](#)

[Nat Gas Futures Open Interest](#)

[Price Summary](#)

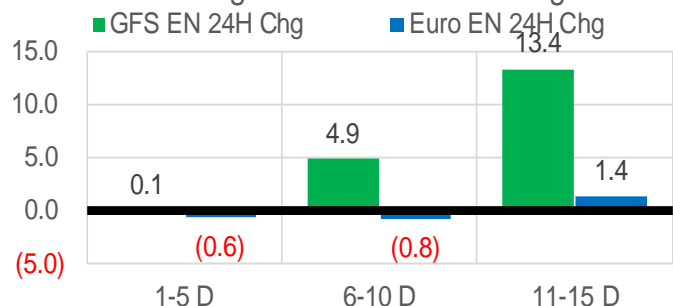
### Vs. 12H Ago

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	95.0	▼ -0.57	▼ -1.23

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	28.9	▼ -0.07	▲ 2.28

	Current	Δ from YD	Δ from 7D Avg
US ResComm	22.3	▲ 1.62	▼ -2.02

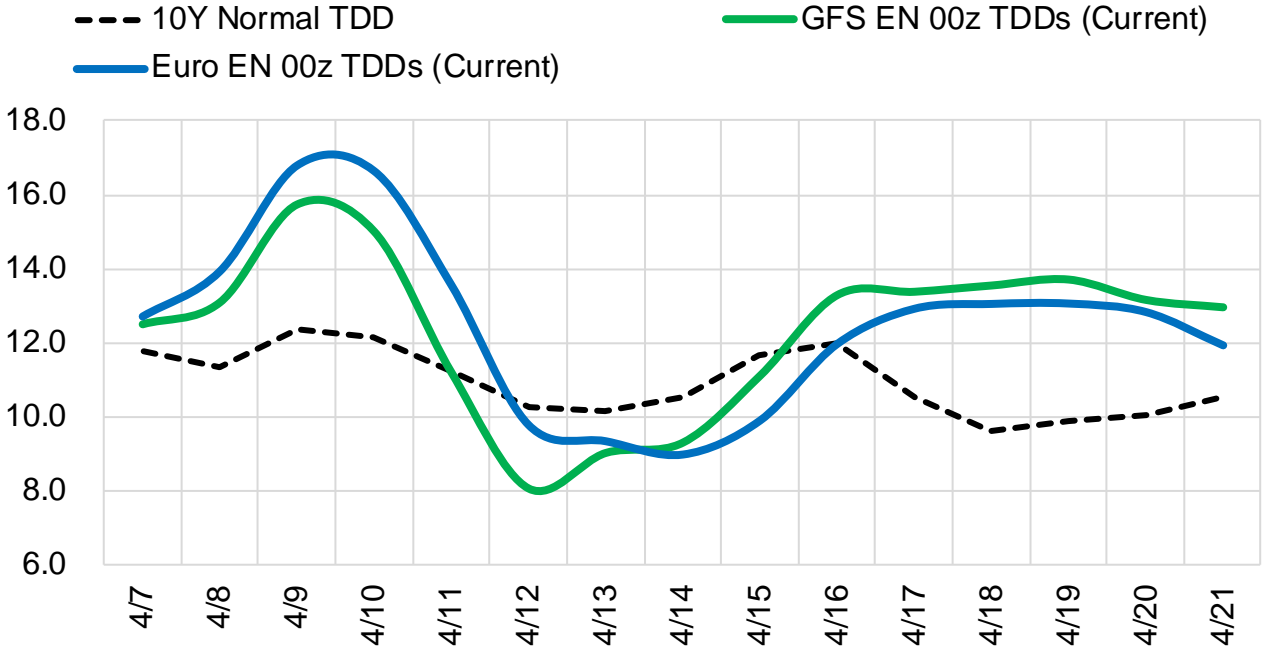
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	6.0	▲ 0.28	▲ 0.37

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	12.6	▲ 0.76	▲ 0.06

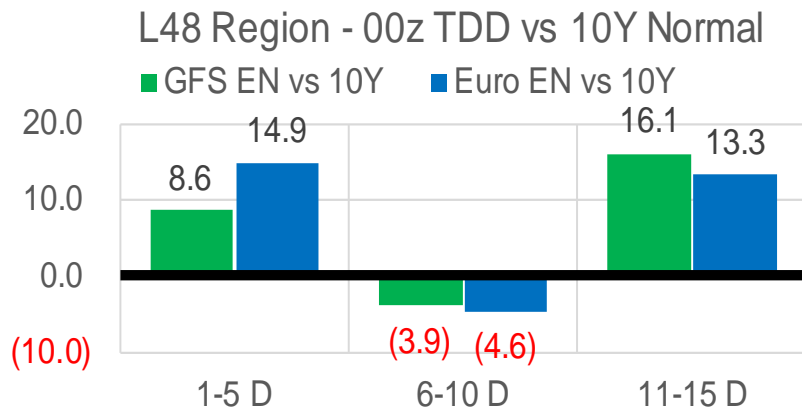
	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.7	▼ -0.32	▼ -0.02

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

### L48 Region



## Vs. 10Y Normal



Source: WSI , Bloomberg

## Lower 48 Component Models

### Daily Balances

	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	DoD	vs. 7D
<b>Lower 48 Dry Production</b>	<b>97.2</b>	<b>96.3</b>	<b>96.8</b>	<b>96.3</b>	<b>95.1</b>	<b>95.6</b>	<b>95.0</b>	▼ -0.6	▼ -1.2
<b>Canadian Imports</b>	<b>6.1</b>	<b>5.4</b>	<b>5.6</b>	<b>5.4</b>	<b>5.8</b>	<b>5.7</b>	<b>6.0</b>	▲ 0.3	▲ 0.3
L48 Power	26.4	24.7	24.8	26.3	27.6	29.0	28.9	▼ -0.1	▲ 2.4
L48 Residential & Commercial	27.7	26.1	25.2	24.4	21.9	20.7	22.3	▲ 1.6	▼ -2.0
L48 Industrial	22.4	22.0	21.7	21.5	21.3	21.3	21.6	▲ 0.3	▼ -0.2
L48 Lease and Plant Fuel	5.3	5.3	5.3	5.3	5.2	5.2	5.2	▼ -0.1	▼ -0.1
L48 Pipeline Distribution	3.0	2.8	2.8	2.8	2.7	2.7	2.8	▲ 0.1	▲ 0.0
<b>L48 Regional Gas Consumption</b>	<b>84.7</b>	<b>80.9</b>	<b>79.7</b>	<b>80.2</b>	<b>78.7</b>	<b>78.9</b>	<b>80.8</b>	▲ 1.9	▲ 0.2
<b>Net LNG Delivered</b>	<b>12.36</b>	<b>13.36</b>	<b>13.01</b>	<b>12.22</b>	<b>11.82</b>	<b>11.85</b>	<b>12.61</b>	▲ 0.8	▲ 0.2
<b>Total Mexican Exports</b>	<b>6.8</b>	<b>6.4</b>	<b>6.4</b>	<b>6.6</b>	<b>7.1</b>	<b>7.0</b>	<b>6.7</b>	▼ -0.3	▼ 0.0
<b>Implied Daily Storage Activity</b>	<b>-0.5</b>	<b>1.0</b>	<b>3.2</b>	<b>2.6</b>	<b>3.3</b>	<b>3.6</b>	<b>1.0</b>		
<b>EIA Reported Daily Storage Activity</b>									
<b>Daily Model Error</b>									

### EIA Storage Week Balances

	25-Feb	4-Mar	11-Mar	18-Mar	25-Mar	1-Apr	WoW	vs. 4W
<b>Lower 48 Dry Production</b>	<b>94.4</b>	<b>94.2</b>	<b>94.8</b>	<b>93.9</b>	<b>95.4</b>	<b>96.0</b>	▲ 0.6	▲ 1.4
<b>Canadian Imports</b>	<b>6.4</b>	<b>5.9</b>	<b>5.2</b>	<b>5.2</b>	<b>4.8</b>	<b>5.7</b>	▲ 0.9	▲ 0.4
L48 Power	28.7	29.4	27.6	27.3	25.6	27.0	▲ 1.4	▼ -0.5
L48 Residential & Commercial	41.1	38.1	33.2	31.5	23.4	29.7	▲ 6.3	▼ -1.9
L48 Industrial	25.4	23.1	22.7	20.7	20.8	21.2	▲ 0.4	▼ -0.7
L48 Lease and Plant Fuel	5.2	5.1	5.2	5.1	5.2	5.2	▲ 0.0	▲ 0.1
L48 Pipeline Distribution	3.3	3.3	3.2	3.1	2.6	3.0	▲ 0.4	▼ -0.1
<b>L48 Regional Gas Consumption</b>	<b>103.6</b>	<b>99.1</b>	<b>91.8</b>	<b>87.7</b>	<b>77.5</b>	<b>86.0</b>	▲ 8.5	▼ -3.0
<b>Net LNG Exports</b>	<b>11.7</b>	<b>12.5</b>	<b>12.8</b>	<b>12.9</b>	<b>13.0</b>	<b>13.1</b>	▲ 0.1	▲ 0.3
<b>Total Mexican Exports</b>	<b>6.1</b>	<b>6.4</b>	<b>6.6</b>	<b>6.6</b>	<b>6.5</b>	<b>6.4</b>	▼ -0.1	▼ -0.1
<b>Implied Daily Storage Activity</b>	<b>-20.6</b>	<b>-17.9</b>	<b>-11.1</b>	<b>-7.9</b>	<b>3.2</b>	<b>-3.8</b>	<b>-7.0</b>	
<b>EIA Reported Daily Storage Activity</b>	<b>-19.9</b>	<b>-17.7</b>	<b>-11.3</b>	<b>-7.3</b>	<b>3.7</b>			
<b>Daily Model Error</b>	<b>-0.8</b>	<b>-0.2</b>	<b>0.1</b>	<b>-0.7</b>	<b>-0.5</b>			

### Monthly Balances

	2Yr Ago Apr-20	LY Apr-21	Dec-21	Jan-22	Feb-22	Mar-22	MTD Apr-22	MoM	vs. LY
<b>Lower 48 Dry Production</b>	<b>92.7</b>	<b>92.5</b>	<b>96.1</b>	<b>93.6</b>	<b>93.6</b>	<b>95.0</b>	<b>96.2</b>	▲ 1.2	▲ 3.8
<b>Canadian Imports</b>	<b>4.0</b>	<b>4.7</b>	<b>4.8</b>	<b>6.7</b>	<b>6.6</b>	<b>5.2</b>	<b>5.7</b>	▲ 0.4	▲ 1.0
L48 Power	25.6	25.0	28.7	31.4	29.0	26.9	26.4	▼ -0.5	▲ 1.4
L48 Residential & Commercial	20.5	19.6	33.9	48.6	42.7	29.6	24.3	▼ -5.2	▲ 4.8
L48 Industrial	20.4	21.4	22.5	25.5	25.3	21.7	21.7	▲ 0.0	▲ 0.3
L48 Lease and Plant Fuel	5.0	5.0	5.3	5.1	5.1	5.2	5.3	▲ 0.1	▲ 0.2
L48 Pipeline Distribution	2.4	2.5	3.2	3.8	3.4	2.9	2.8	▼ -0.1	▲ 0.3
<b>L48 Regional Gas Consumption</b>	<b>74.0</b>	<b>73.5</b>	<b>93.6</b>	<b>114.4</b>	<b>105.5</b>	<b>86.3</b>	<b>80.5</b>	▼ -5.7	▲ 7.1
<b>Net LNG Exports</b>	<b>8.2</b>	<b>11.5</b>	<b>12.1</b>	<b>12.4</b>	<b>12.4</b>	<b>12.9</b>	<b>12.4</b>	▼ -0.4	▲ 1.0
<b>Total Mexican Exports</b>	<b>4.8</b>	<b>6.7</b>	<b>6.2</b>	<b>6.3</b>	<b>6.2</b>	<b>6.5</b>	<b>6.7</b>	▲ 0.2	▲ 0.0
<b>Implied Daily Storage Activity</b>	<b>9.7</b>	<b>5.5</b>	<b>-11.0</b>	<b>-32.8</b>	<b>-23.8</b>	<b>-5.4</b>	<b>2.2</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)

	30-Mar	31-Mar	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	DoD	vs. 7D
NRC Nuclear Daily Output	79.1	78.8	78.8	75.9	75.5	73.7	73.4	-0.3	-3.6
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	25.8	26.1	26.1	28.9	29.3	31.2	31.5	0.3	3.6
NRC % Nuclear Cap Utilization	80.4	80.1	80.1	77.2	76.8	75.0	74.6	-0.3	-3.7

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

	30-Mar	31-Mar	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	DoD	vs. 7D
CALI Wind	3257	3143	1540	2615	4218	4120	3346	-773	197
TEXAS Wind	17439	6087	19130	6752	18760	10130	14381	4252	1332
US Wind	77952	51776	54689	41509	60690	52917	66686	13769	10097

### Generation Daily Average - MWh (EIA)

	30-Mar	31-Mar	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	DoD	vs. 7D
US Wind	77952	51776	54689	41509	60690	52917	66686	13769	10097
US Solar	12777	13676	15296	16052	14573	14815	15147	332	616
US Petroleum	1089	858	915	934	961	1165	1055	-110	68
US Other	7092	6865	6905	6875	6700	6869	7335	466	450
US Coal	74228	79600	79899	81477	73445	81517	78025	-3492	-336
US Nuke	83107	82852	82646	79972	79480	77932	77244	-688	-3754
US Hydro	33862	33741	34254	30530	30779	32239	31584	-654	-983
<b>US Gas</b>	<b>132937</b>	<b>143416</b>	<b>132768</b>	<b>130132</b>	<b>115074</b>	<b>139943</b>	<b>143805</b>	<b>3861</b>	<b>11426</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	Jan-22	Feb-22	Mar-22	Apr-22			
	NRC Nuclear Daily Output	80.8	79.7	90.2	87.6	81.3			
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	24.1	25.1	14.7	17.3	23.6	30.0	25.7	6.4	0.6
NRC % Nuclear Cap Utilization	82.2	81.1	91.7	89.0	82.7	76.2	80.5	-6.5	-0.6

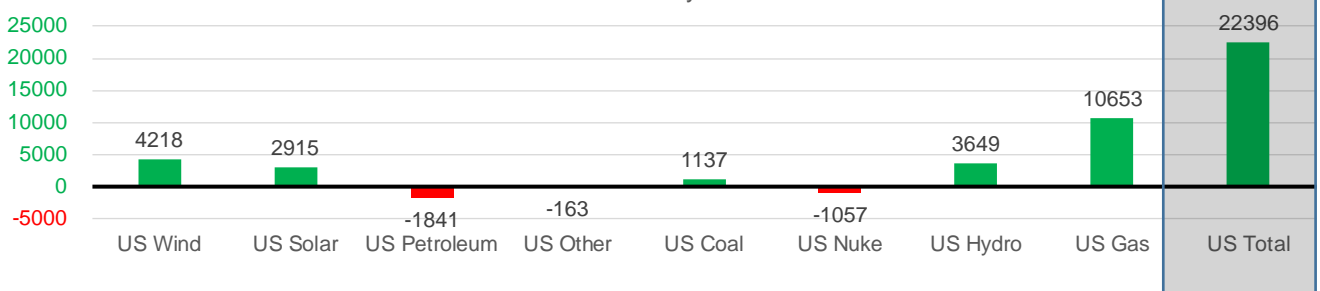
### Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago		LY		MTD		Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Jan-22	Feb-22	Mar-22	Apr-22			
	CALI Wind	1759	2543	1244	1559	2250			
TEXAS Wind	9630	14618	11355	12294	14837	13988	15361	-849	743
US Wind	36910	56135	51045	56539	58520	58552	60353	31	4218

### 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	Jan-22	Feb-22	Mar-22	Apr-22			
	US Wind	36910	56135	51045	56539	58520			
US Solar	7771	11422	9476	12088	13894	15168	14337	▼ -831.4	▲ 2915
US Petroleum	3262	2801	5021	3451	1335	1020	960	▼ -60	▼ -1841
US Other	7214	7473	8792	8832	7164	7050	7311	▲ 260	▼ -163
US Coal	65109	78659	117971	106588	82274	78630	79796	▲ 1165	▲ 1137
US Nuke	83685	84041	95259	92280	85157	78823	82984	▲ 4161	▼ -1057
US Hydro	31278	29900	34040	32213	33927	31793	33550	▲ 1757	▲ 3649
<b>US Gas</b>	<b>149935</b>	<b>124336</b>	<b>164024</b>	<b>152058</b>	<b>135532</b>	<b>135619</b>	<b>134989</b>	<b>▲ 8252</b>	<b>▲ 10653</b>
<b>US Total</b>	<b>383211</b>	<b>393615</b>	<b>485812</b>	<b>464578</b>	<b>419864</b>	<b>406008</b>	<b>416011</b>	<b>▲ 14704</b>	<b>▲ 22396</b>

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

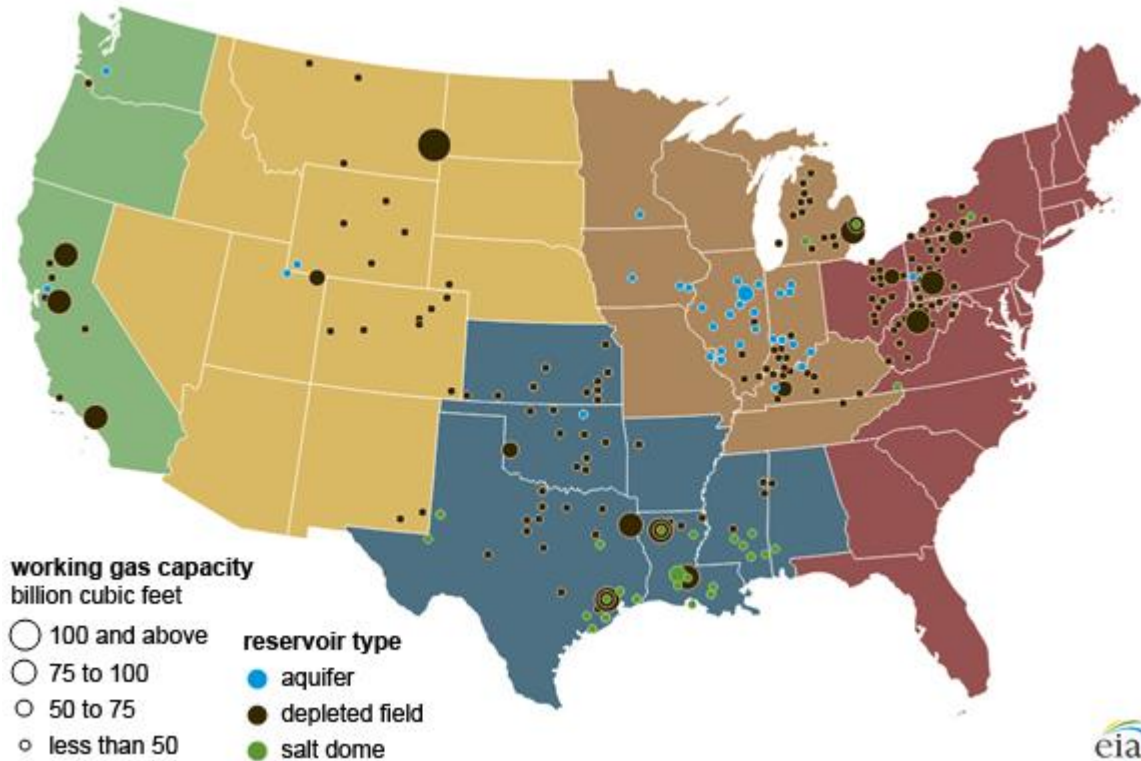
### Regional S/D Models Storage Projection

Week Ending 1-Apr

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	-3.4	0.1	-3.3	-23
East	-5.6	1.8	-3.9	-27
Midwest	-1.8	-0.7	-2.6	-18
Mountain	3.4	-3.2	0.2	2
South Central	0.2	2.0	2.3	16
Pacific	0.4	0.2	0.7	5

\*Adjustment Factor is calculated based on historical regional deltas

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

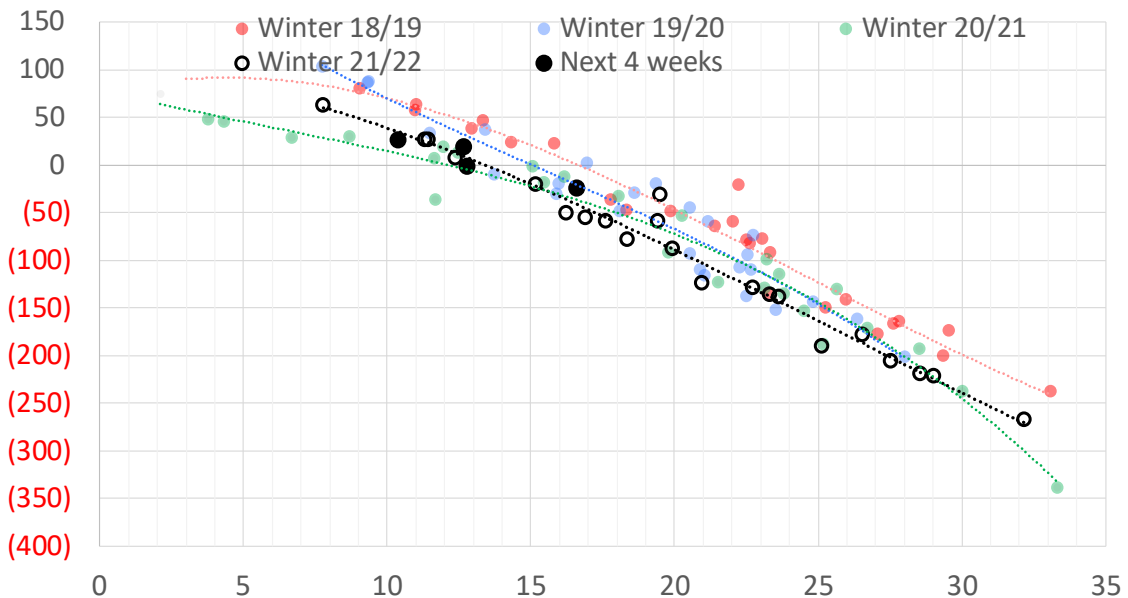


### Weather Model Storage Projection

Next report  
and beyond

Week Ending	GWDDs	Week Storage Projection
01-Apr	17	-23
08-Apr	13	-1
15-Apr	10	27
22-Apr	13	20

Weather Storage Model - Next 4 Week Forecast

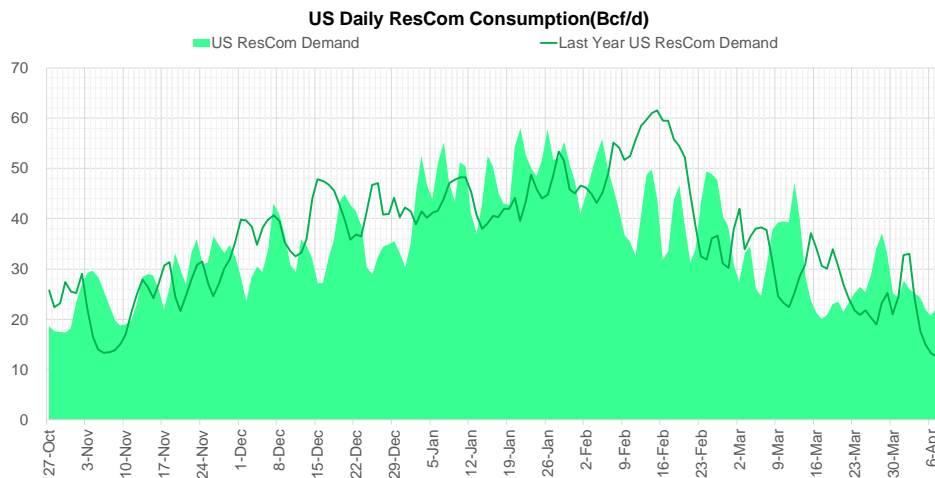
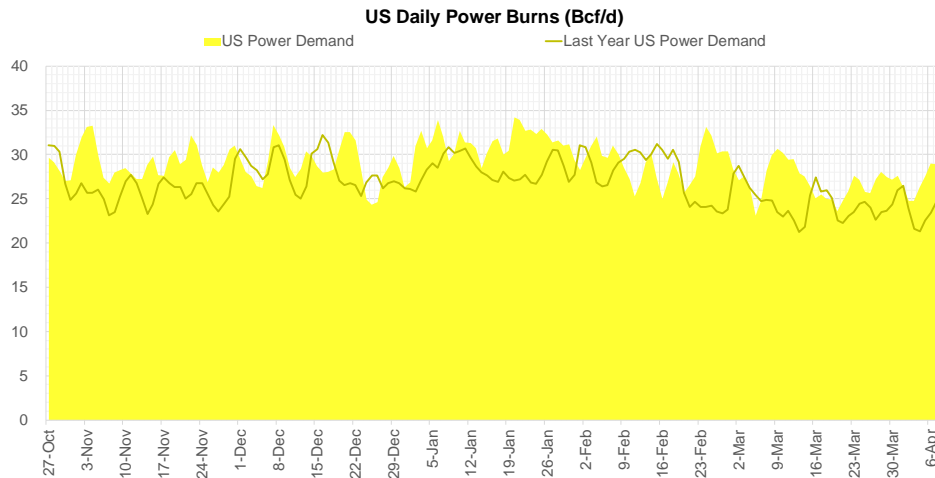
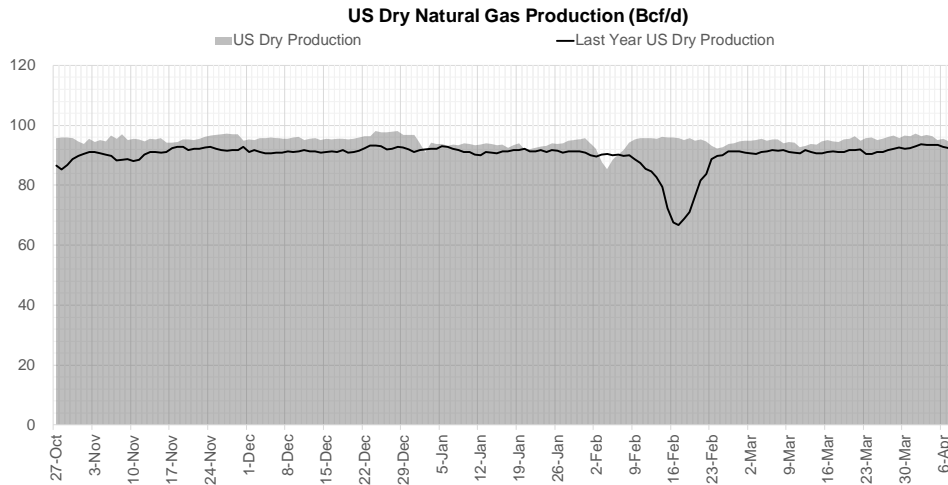


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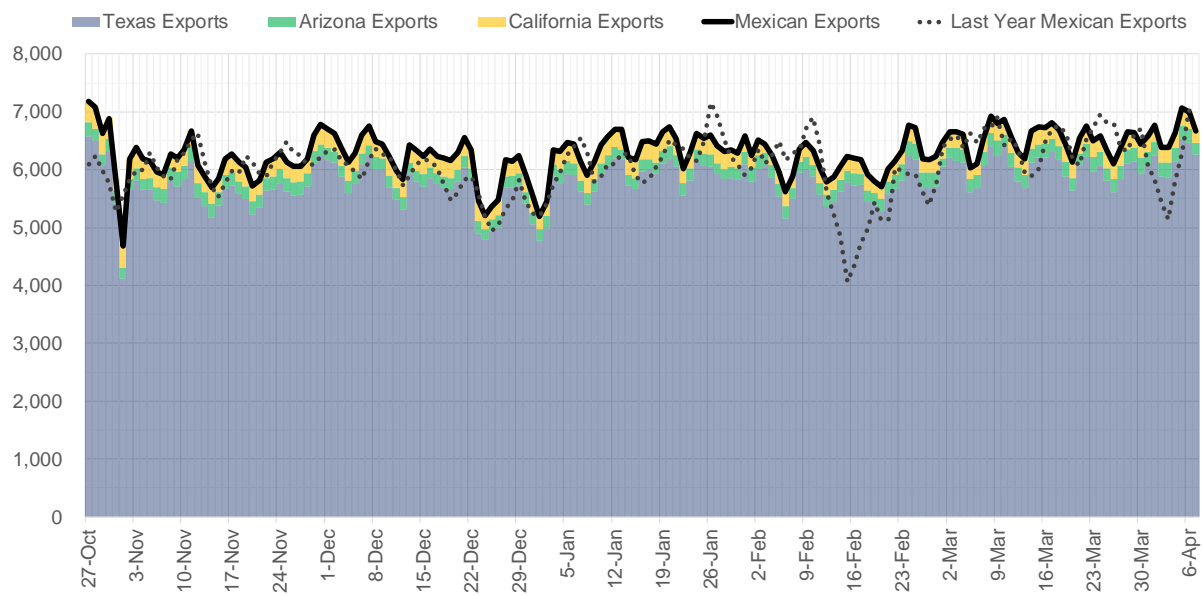
## Supply – Demand Trends



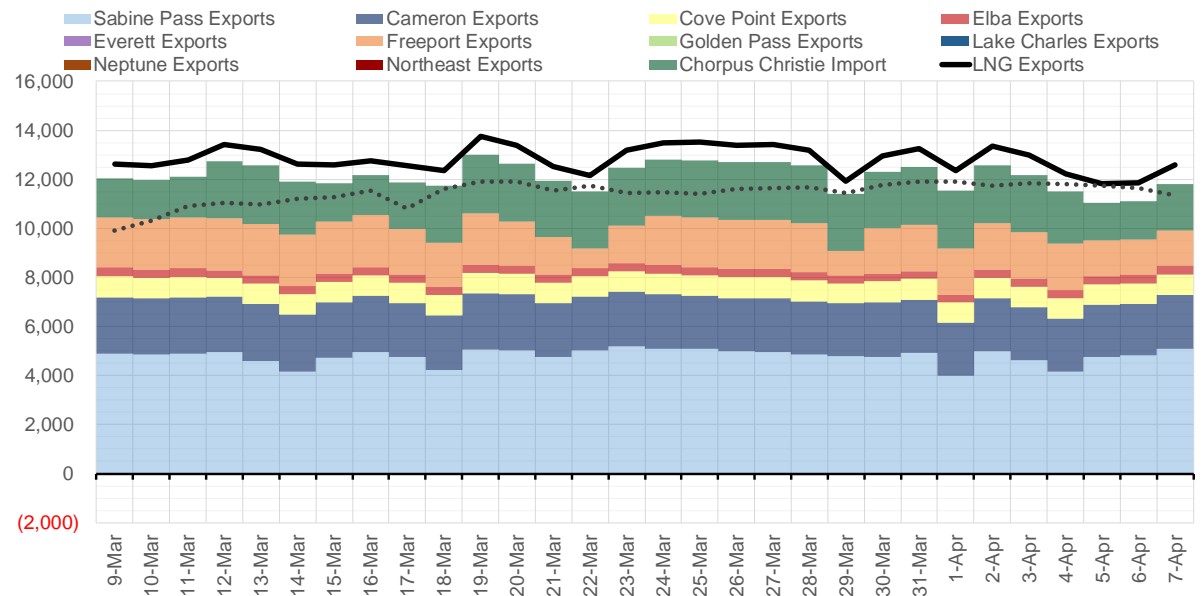
Source: Bloomberg

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### Mexican Exports (MMcf/d)



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



Source: Bloomberg

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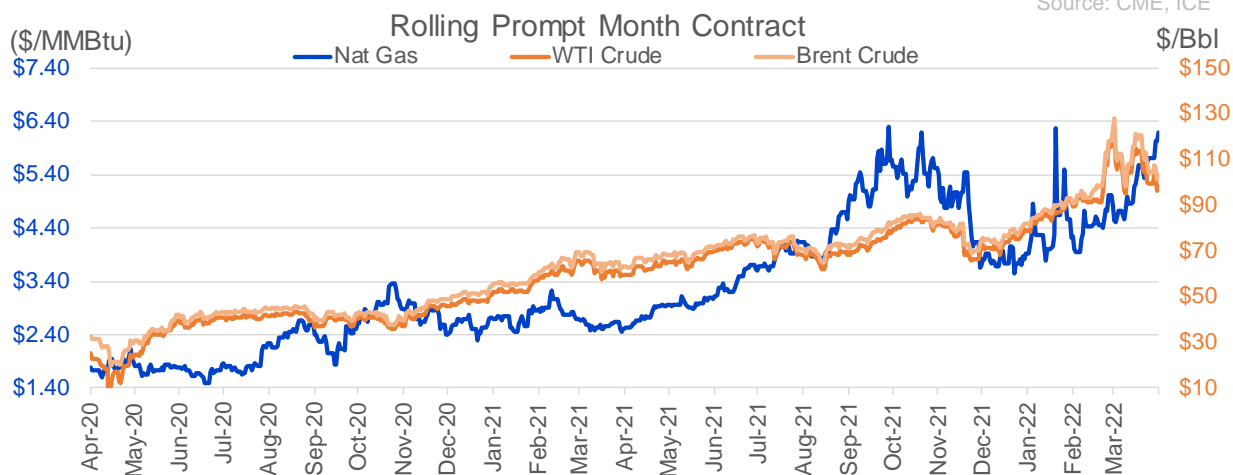
## Nat Gas Options Volume and Open Interest CME and ICE Combined

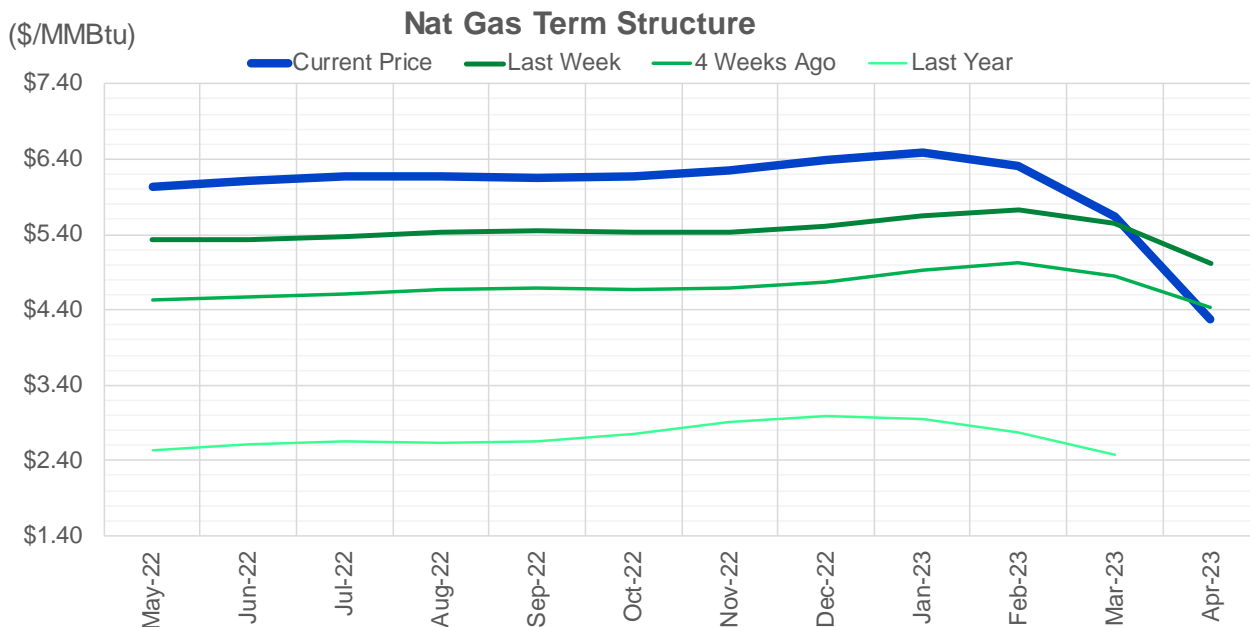
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
5	2022	C	7.00	11961	8	2022	C	10.00	44412
8	2022	C	9.00	7807	8	2022	C	10.50	40500
6	2022	C	9.00	7743	10	2022	C	6.00	29466
6	2022	C	8.00	7520	5	2022	P	4.00	27066
7	2022	C	9.00	7214	10	2022	C	5.00	26880
5	2022	C	8.00	6379	5	2022	C	6.00	24006
5	2022	C	9.00	5958	9	2022	C	6.00	24006
6	2022	C	12.00	5878	6	2022	C	6.00	22853
10	2022	C	9.00	5520	5	2022	P	3.00	22636
1	2023	C	7.00	5200	5	2022	C	5.00	21633
1	2023	C	6.00	5150	5	2022	C	7.00	21280
6	2022	C	10.00	4758	10	2022	P	3.00	20875
5	2022	P	5.50	4753	8	2022	C	6.00	20404
9	2022	C	9.00	4650	5	2022	P	4.50	20346
5	2022	C	6.00	4594	5	2022	P	2.50	19874
9	2022	C	10.00	4406	6	2022	P	4.00	19559
6	2022	P	5.50	4401	7	2022	C	6.00	18824
6	2022	C	6.00	4117	8	2022	C	7.00	18723
6	2022	P	4.20	4001	1	2023	C	6.00	18324
10	2022	C	10.00	3989	5	2022	P	3.50	18270
8	2022	C	8.00	3922	6	2022	C	8.00	18213
7	2022	C	10.00	3577	7	2022	C	7.00	17962
6	2022	C	7.00	3567	7	2022	P	3.25	17855
10	2022	C	8.00	3545	12	2022	C	5.00	17771
5	2022	C	10.00	3414	5	2022	P	2.75	17685
1	2023	C	10.00	3299	5	2022	C	8.00	17596
2	2023	C	10.00	3275	10	2022	C	7.00	17463
3	2023	C	10.00	3250	6	2022	C	5.00	17374
5	2022	P	5.00	3222	10	2022	P	2.50	17361
7	2022	C	8.00	3122	6	2022	P	3.00	17174
8	2022	C	10.00	3002	9	2022	C	7.00	16817
2	2023	C	9.00	3000	5	2022	P	3.75	16132
3	2023	C	1.00	3000	6	2022	C	7.00	16129
3	2023	C	9.00	3000	10	2022	P	4.00	16061
3	2023	P	1.00	3000	6	2022	P	3.50	15470
5	2022	P	6.00	2838	9	2022	P	2.50	15366
5	2022	C	8.50	2835	1	2023	C	5.00	15277
9	2022	C	8.00	2802	10	2022	P	3.50	14972
5	2022	C	6.10	2799	9	2022	P	2.75	14933
7	2022	C	7.00	2637	7	2022	P	3.50	14881
10	2022	P	4.00	2630	6	2022	P	4.75	14839
6	2022	P	5.00	2522	10	2022	P	2.00	14675
6	2022	P	6.00	2460	7	2022	C	8.00	14593
6	2022	P	4.70	2305	12	2022	C	6.00	14509
1	2023	C	9.00	2245	6	2022	P	3.75	14103
8	2022	C	12.00	2235	5	2022	P	5.00	13833
5	2022	C	6.25	2230	1	2023	C	10.00	13784
7	2022	C	12.00	2204	5	2022	C	3.00	13733
1	2023	C	7.50	2075	8	2022	P	3.00	13700
					7	2022	P	3	13663

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
MAY 22	220275	229488	-9213	MAY 22	75415	80272	-4857
JUN 22	84996	81692	3304	JUN 22	65523	65230	293
JUL 22	101807	100961	846	JUL 22	72542	68998	3544
AUG 22	48811	47878	933	AUG 22	60802	60576	226
SEP 22	76235	76319	-84	SEP 22	65032	64565	466
OCT 22	96090	94538	1552	OCT 22	73276	72379	897
NOV 22	45118	45071	47	NOV 22	53568	53440	128
DEC 22	45629	44920	709	DEC 22	59572	59744	-172
JAN 23	64388	64876	-488	JAN 23	67941	67015	925
FEB 23	20600	20633	-33	FEB 23	47012	46695	317
MAR 23	40695	40490	205	MAR 23	52938	52245	693
APR 23	52645	52189	456	APR 23	51227	50937	289
MAY 23	40987	38176	2811	MAY 23	45213	45251	-38
JUN 23	20309	19837	472	JUN 23	42761	42566	195
JUL 23	16358	15743	615	JUL 23	42476	42206	270
AUG 23	13936	13320	616	AUG 23	42027	41706	320
SEP 23	16745	16386	359	SEP 23	41910	41655	255
OCT 23	34517	33837	680	OCT 23	46391	46105	287
NOV 23	12116	11932	184	NOV 23	41737	41670	67
DEC 23	14705	14640	65	DEC 23	37786	37519	267
JAN 24	21537	21299	238	JAN 24	35345	35315	29
FEB 24	4925	4365	560	FEB 24	23925	23723	202
MAR 24	16063	15790	273	MAR 24	30277	30035	242
APR 24	10525	10715	-190	APR 24	22376	22345	32
MAY 24	3973	2542	1431	MAY 24	21168	21101	67
JUN 24	1713	1703	10	JUN 24	21327	21220	107
JUL 24	1686	1676	10	JUL 24	21980	21877	102
AUG 24	2989	2981	8	AUG 24	22138	22043	95
SEP 24	1343	1318	25	SEP 24	20700	20608	92
OCT 24	6854	6847	7	OCT 24	22630	22624	6





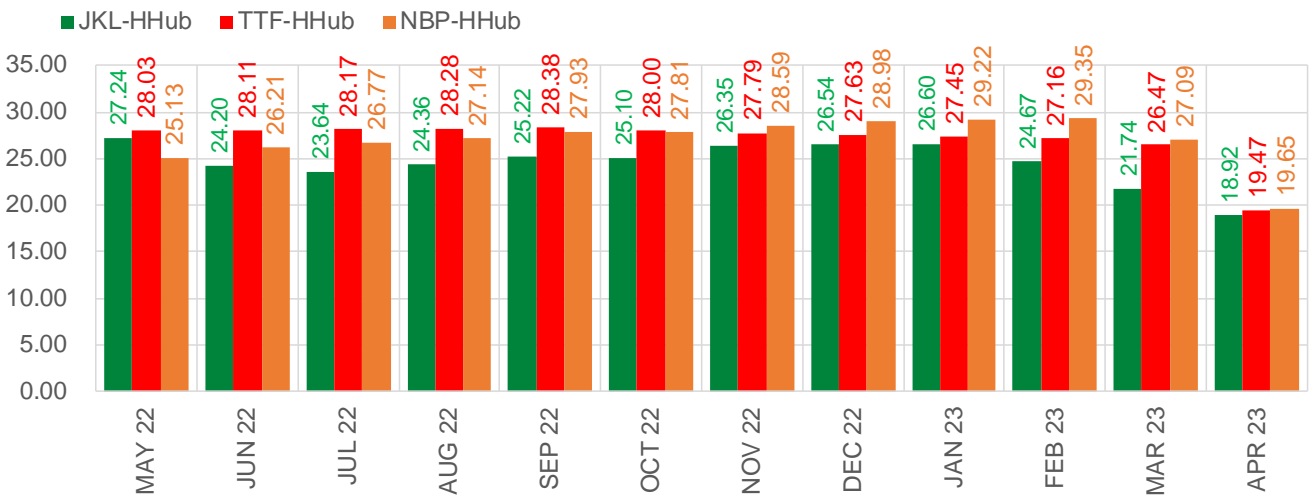
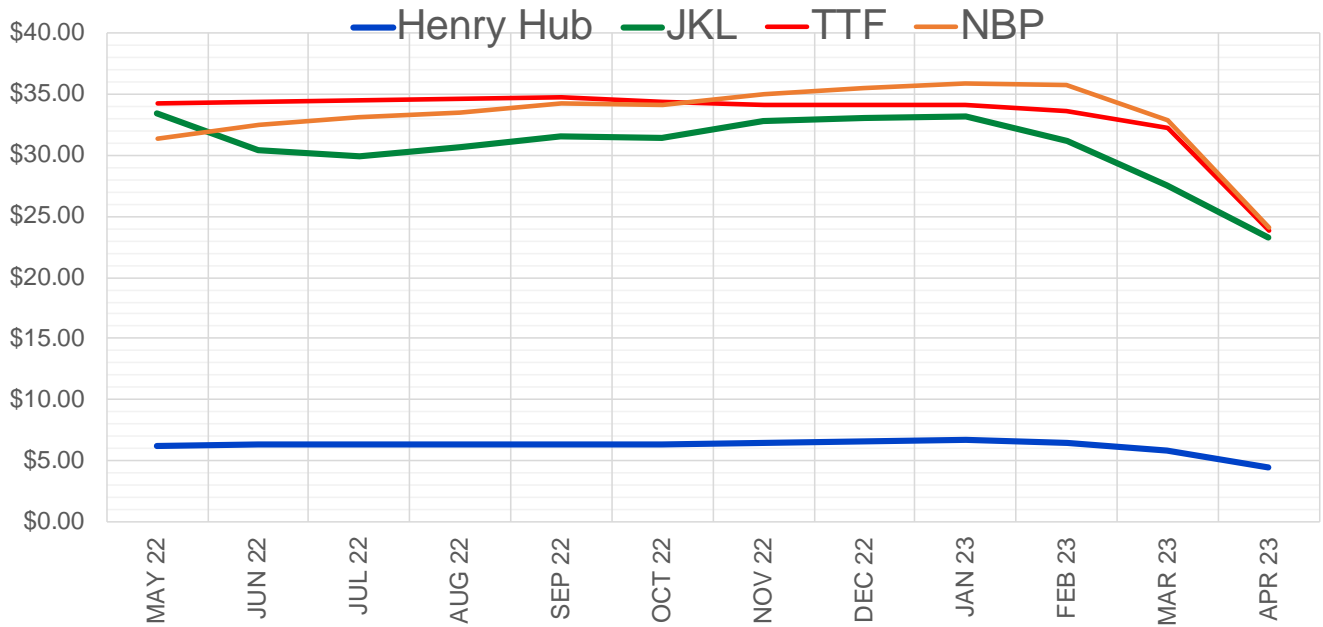
	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
<b>Current Price</b>	<b>\$6.032</b>	<b>\$6.108</b>	<b>\$6.170</b>	<b>\$6.175</b>	<b>\$6.156</b>	<b>\$6.172</b>	<b>\$6.242</b>	<b>\$6.395</b>	<b>\$6.491</b>	<b>\$6.305</b>	<b>\$5.631</b>	<b>\$4.273</b>
Last Week	\$5.336	\$5.330	\$5.381	\$5.438	\$5.443	\$5.424	\$5.435	\$5.502	\$5.641	\$5.730	\$5.557	\$5.007
vs. Last Week	\$0.696	\$0.778	\$0.789	\$0.737	\$0.713	\$0.748	\$0.807	\$0.893	\$0.850	\$0.575	\$0.074	-\$0.734
4 Weeks Ago	\$4.527	\$4.563	\$4.611	\$4.670	\$4.681	\$4.665	\$4.683	\$4.766	\$4.921	\$5.018	\$4.853	\$4.429
vs. 4 Weeks Ago	\$1.505	\$1.545	\$1.559	\$1.505	\$1.475	\$1.507	\$1.559	\$1.629	\$1.570	\$1.287	\$0.778	-\$0.156
Last Year	\$2.456	\$2.536	\$2.618	\$2.650	\$2.642	\$2.661	\$2.751	\$2.902	\$2.996	\$2.943	\$2.779	\$2.469
vs. Last Year	\$3.576	\$3.572	\$3.552	\$3.525	\$3.514	\$3.511	\$3.491	\$3.493	\$3.495	\$3.362	\$2.852	\$1.804

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	5.55	4.87	-0.69
TETCO M3	\$/MMBtu	6.18	4.84	-1.34
FGT Zone 3	\$/MMBtu	6.25	5.61	-0.64
Zone 6 NY	\$/MMBtu	6.25	4.72	-1.53
Chicago Citygate	\$/MMBtu	6.21	5.21	-1.00
Michcon	\$/MMBtu	6.17	5.25	-0.92
Columbia TCO Pool	\$/MMBtu	5.93	4.93	-1.00
Ventura	\$/MMBtu	6.16	5.15	-1.01
Rockies/Opal	\$/MMBtu	6.01	4.94	-1.07
El Paso Permian Basin	\$/MMBtu	5.65	4.57	-1.08
Socal Citygate	\$/MMBtu	6.27	5.03	-1.24
Malin	\$/MMBtu	5.95	5.03	-0.92
Houston Ship Channel	\$/MMBtu	6.19	5.30	-0.89
Henry Hub Cash	\$/MMBtu	6.20	5.22	-0.98
AECO Cash	C\$/GJ	5.11	3.92	-1.19
Station2 Cash	C\$/GJ	5.11	4.70	-0.41
Dawn Cash	C\$/GJ	6.15	5.30	-0.85

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	▲ 2.184
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.275
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -2.147
NatGas Apr22/Oct22	\$/MMBtu	0.841	▲ 0.475	▲ 0.684	▲ 0.806
WTI Crude	\$/Bbl	96.23	▼ -11.590	▼ -12.470	▲ 36.460
Brent Crude	\$/Bbl	101.07	▼ -12.380	▼ -10.070	▲ 37.910
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	334.52	▼ -46.330	▼ -11.910	▲ 153.730
Propane, Mt. Bel	cents/Gallon	1.29	▼ -0.147	▼ -0.194	▲ 0.399
Ethane, Mt. Bel	cents/Gallon	0.48	▲ 0.050	▲ 0.062	▲ 0.252
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			

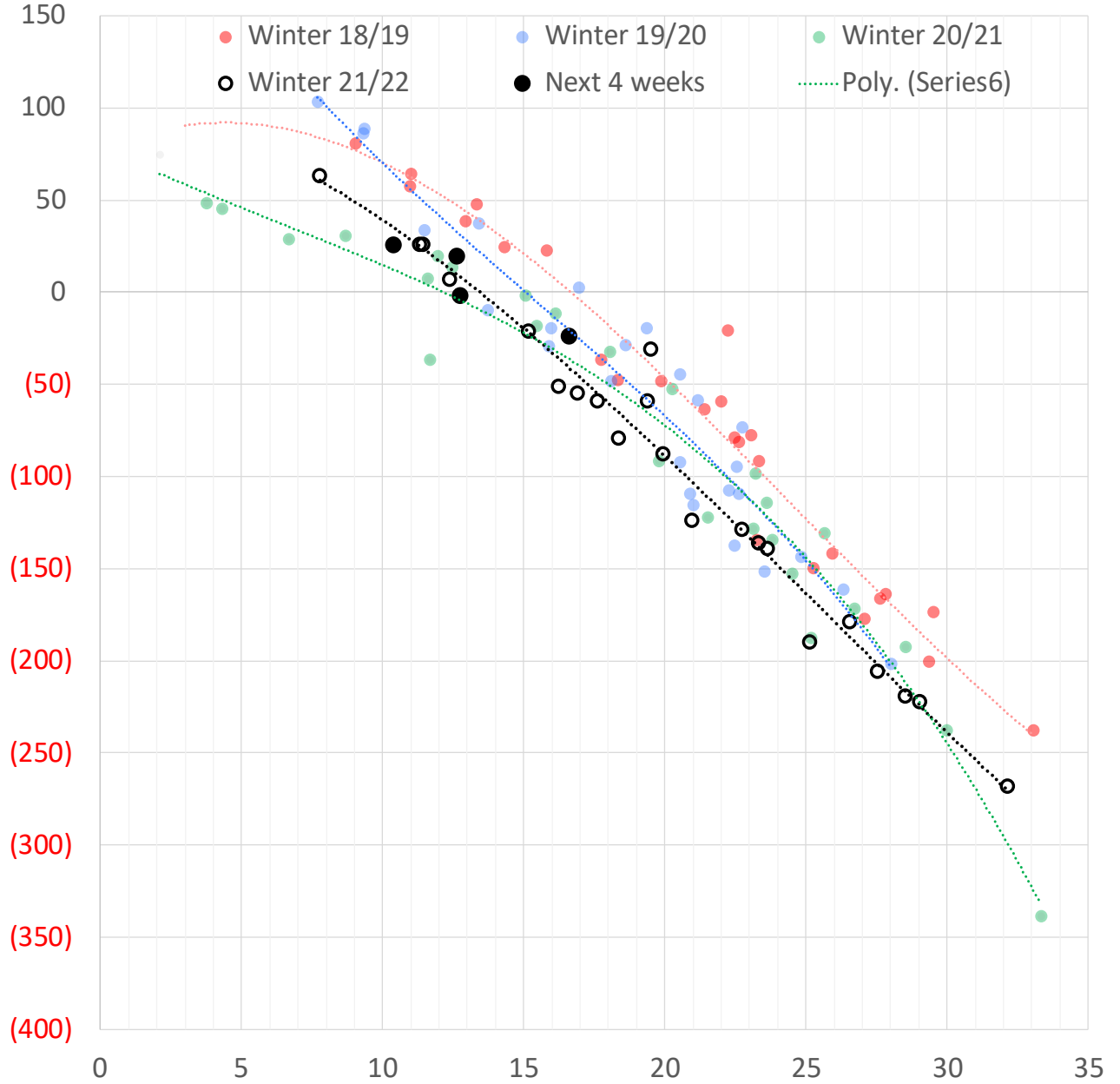
### Nat Gas Term Structure (\$MMBTU)



	MAY 22	JUN 22	JUL 22	AUG 22	SEP 22	OCT 22	NOV 22	DEC 22	JAN 23	FEB 23	MAR 23	APR 23
<b>Henry Hub</b>	\$6.197	\$6.285	\$6.354	\$6.346	\$6.333	\$6.357	\$6.421	\$6.565	\$6.668	\$6.474	\$5.815	\$4.410
<b>JKL</b>	\$33.440	\$30.485	\$29.990	\$30.705	\$31.555	\$31.455	\$32.770	\$33.100	\$33.270	\$31.145	\$27.555	\$23.330
<b>JKL-HHHub</b>	\$27.243	\$24.200	\$23.636	\$24.359	\$25.222	\$25.098	\$26.349	\$26.535	\$26.602	\$24.671	\$21.740	\$18.920
<b>TTF</b>	\$34.231	\$34.392	\$34.528	\$34.621	\$34.717	\$34.353	\$34.210	\$34.190	\$34.114	\$33.630	\$32.289	\$23.881
<b>TTF-HHHub</b>	\$28.034	\$28.107	\$28.174	\$28.275	\$28.384	\$27.996	\$27.789	\$27.625	\$27.446	\$27.156	\$26.474	\$19.471
<b>NBP</b>	\$31.331	\$32.495	\$33.120	\$33.482	\$34.264	\$34.171	\$35.009	\$35.545	\$35.892	\$35.824	\$32.909	\$24.056
<b>NBP-HHHub</b>	\$25.134	\$26.210	\$26.766	\$27.136	\$27.931	\$27.814	\$28.588	\$28.980	\$29.224	\$29.350	\$27.094	\$19.646

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.

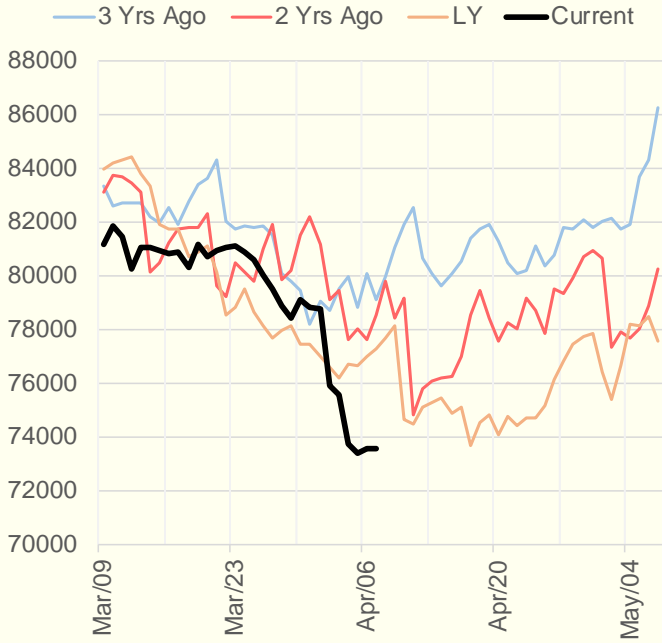
### Weather Storage Model - Next 4 Week Forecast



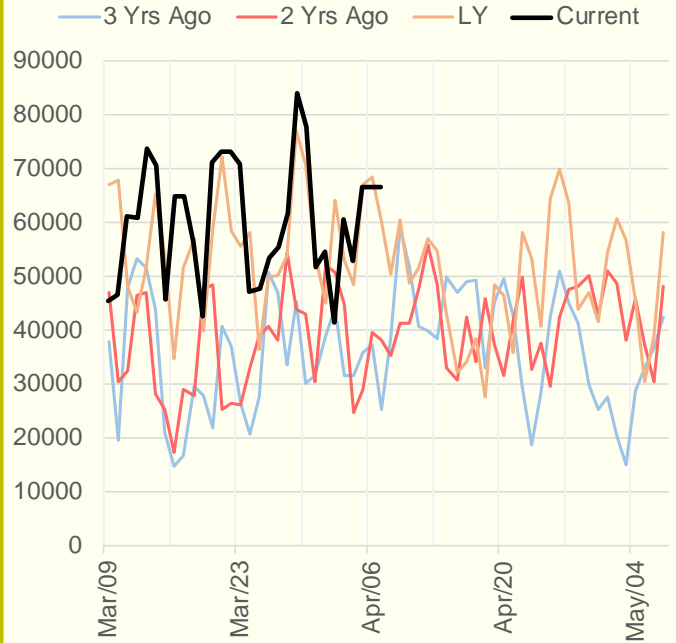
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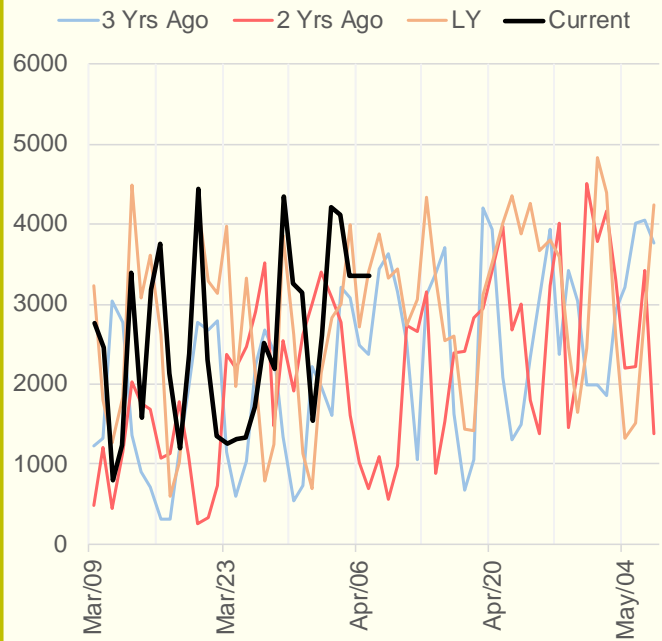
### NRC Nuclear Daily Output



### US Wind



### CALI Wind



### TEXAS Wind

