

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 6.33	▲ \$ 0.06	▲ \$ 0.20

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 93.09	▼ \$ (5.17)	▼ \$ (5.8)

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 97.70	▼ \$ (5.08)	▼ \$ (5.8)

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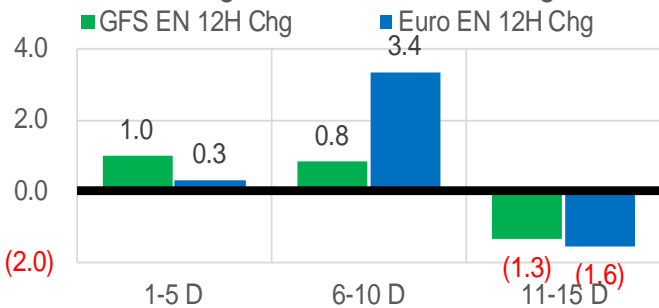
[Nat Gas Options Volume and Open Interest](#)

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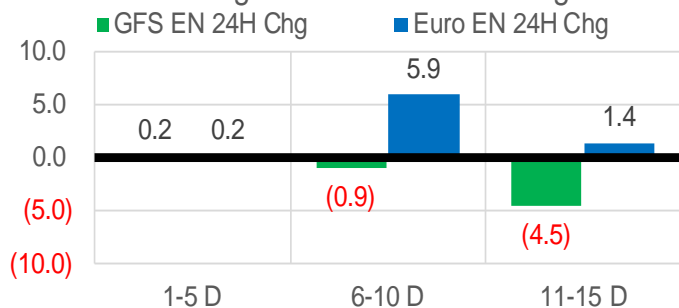
### Vs. 12H Ago

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	96.4	▲ 0.17	▲ 0.68

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	26.8	▲ 1.87	▼ -0.10

	Current	Δ from YD	Δ from 7D Avg
US ResComm	21.0	▼ -3.25	▼ -2.84

	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	5.2	▼ -0.28	▼ -0.57

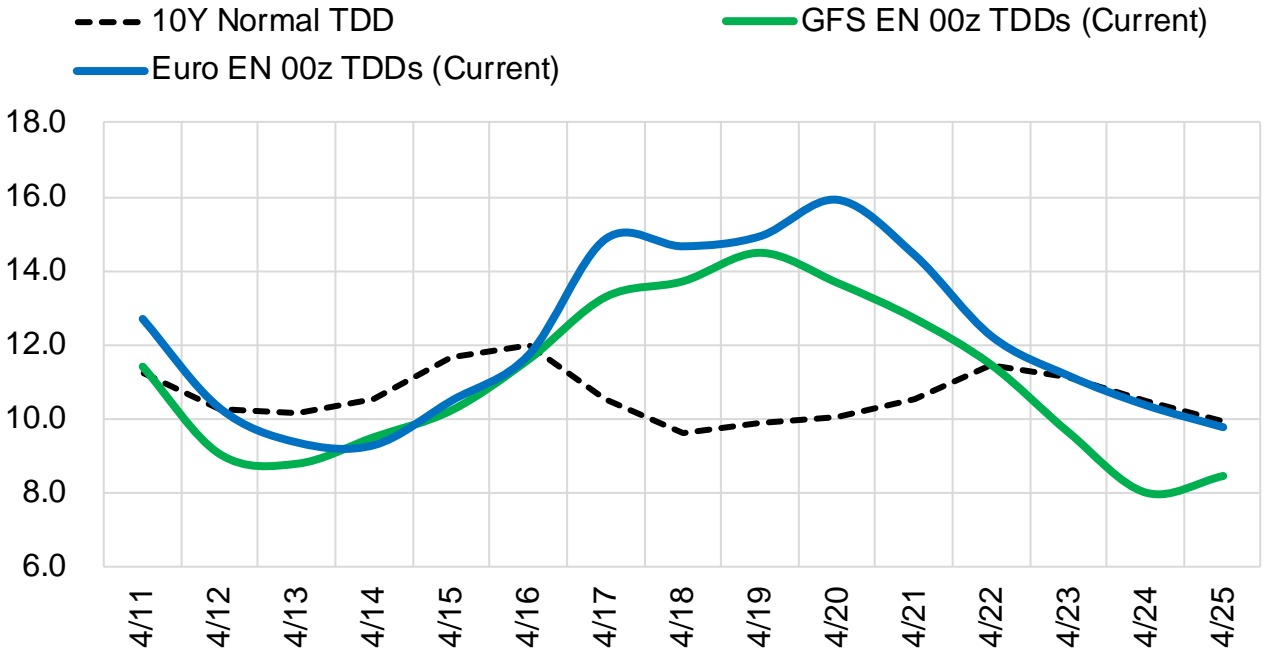
	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	12.7	▼ -0.07	▲ 0.29

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.1	▲ 0.20	▼ -0.52

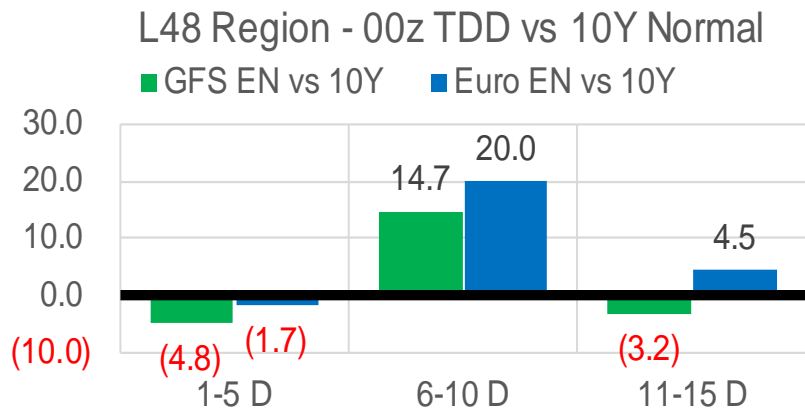
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## Short-term Weather Model Outlooks (00z)

### L48 Region



## Vs. 10Y Normal



Source: WSI , Bloomberg

## Lower 48 Component Models

### Daily Balances

	5-Apr	6-Apr	7-Apr	8-Apr	9-Apr	10-Apr	11-Apr	DoD	vs. 7D
<b>Lower 48 Dry Production</b>	<b>95.0</b>	<b>95.5</b>	<b>95.1</b>	<b>96.0</b>	<b>96.3</b>	<b>96.3</b>	<b>96.4</b>	▲ 0.2	▲ 0.8
<b>Canadian Imports</b>	<b>5.8</b>	<b>5.8</b>	<b>6.3</b>	<b>5.8</b>	<b>5.6</b>	<b>5.5</b>	<b>5.2</b>	▼ -0.3	▼ -0.6
L48 Power	27.6	28.6	28.4	27.2	24.9	24.9	26.8	▲ 1.9	▼ -0.2
L48 Residential & Commercial	21.8	20.6	24.0	25.5	26.2	24.2	21.0	▼ -3.3	▼ -2.8
L48 Industrial	21.1	21.1	21.7	22.2	22.2	21.8	21.5	▼ -0.4	▼ -0.2
L48 Lease and Plant Fuel	5.2	5.2	5.2	5.2	5.3	5.3	5.2	▼ 0.0	▲ 0.0
L48 Pipeline Distribution	2.7	2.7	2.9	2.9	2.8	2.7	2.6	▼ -0.1	▼ -0.2
<b>L48 Regional Gas Consumption</b>	<b>78.4</b>	<b>78.3</b>	<b>82.1</b>	<b>83.1</b>	<b>81.4</b>	<b>78.9</b>	<b>77.1</b>	▼ -1.8	▼ -3.3
<b>Net LNG Delivered</b>	<b>11.82</b>	<b>11.82</b>	<b>12.51</b>	<b>12.81</b>	<b>12.77</b>	<b>12.75</b>	<b>12.68</b>	▼ -0.1	▲ 0.3
<b>Total Mexican Exports</b>	<b>7.1</b>	<b>7.4</b>	<b>7.0</b>	<b>6.4</b>	<b>6.1</b>	<b>5.9</b>	<b>6.1</b>	▲ 0.2	▼ -0.5
<b>Implied Daily Storage Activity</b>	<b>3.5</b>	<b>3.8</b>	<b>-0.2</b>	<b>-0.4</b>	<b>1.6</b>	<b>4.2</b>	<b>5.7</b>		
<b>EIA Reported Daily Storage Activity</b>									
<b>Daily Model Error</b>									

### EIA Storage Week Balances

	4-Mar	11-Mar	18-Mar	25-Mar	1-Apr	8-Apr	WoW	vs. 4W
<b>Lower 48 Dry Production</b>	<b>94.2</b>	<b>94.8</b>	<b>93.9</b>	<b>95.4</b>	<b>96.1</b>	<b>95.9</b>	▼ -0.2	▲ 0.9
<b>Canadian Imports</b>	<b>5.9</b>	<b>5.2</b>	<b>5.2</b>	<b>4.8</b>	<b>5.7</b>	<b>5.8</b>	▲ 0.1	▲ 0.5
L48 Power	29.4	27.6	27.3	25.6	26.9	26.7	▼ -0.2	▼ -0.2
L48 Residential & Commercial	38.1	33.2	31.5	23.5	29.7	24.2	▼ -5.4	▼ -5.2
L48 Industrial	23.1	22.7	20.7	20.7	22.5	20.3	▼ -2.2	▼ -1.4
L48 Lease and Plant Fuel	5.1	5.2	5.1	5.2	5.2	5.2	▲ 0.0	▲ 0.1
L48 Pipeline Distribution	3.3	3.2	3.1	2.6	2.9	2.8	▼ -0.1	▼ -0.1
<b>L48 Regional Gas Consumption</b>	<b>99.1</b>	<b>91.8</b>	<b>87.7</b>	<b>77.5</b>	<b>87.3</b>	<b>79.3</b>	▼ -8.1	▼ -6.8
<b>Net LNG Exports</b>	<b>12.5</b>	<b>12.8</b>	<b>12.9</b>	<b>13.0</b>	<b>13.1</b>	<b>12.4</b>	▼ -0.7	▼ -0.5
<b>Total Mexican Exports</b>	<b>6.4</b>	<b>6.6</b>	<b>6.6</b>	<b>6.5</b>	<b>6.4</b>	<b>6.8</b>	▲ 0.3	▲ 0.3
<b>Implied Daily Storage Activity</b>	<b>-17.9</b>	<b>-11.2</b>	<b>-7.9</b>	<b>3.2</b>	<b>-5.0</b>	<b>3.2</b>	<b>8.3</b>	
<b>EIA Reported Daily Storage Activity</b>	<b>-17.7</b>	<b>-11.3</b>	<b>-7.3</b>	<b>3.7</b>	<b>-4.7</b>			
<b>Daily Model Error</b>	<b>-0.2</b>	<b>0.1</b>	<b>-0.6</b>	<b>-0.5</b>	<b>-0.3</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>95.1</b>	<b>96.0</b>	▲ 1.0	▲ 3.6
<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>	▲ 0.5	▲ 1.1
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	24.6	▼ -5.0	▲ 5.0
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	5.2	▲ 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>80.7</b>	▼ -5.6	▲ 7.2
<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>12.5</b>	▼ -0.3	▲ 1.1
<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>6.6</b>	▲ 0.1	▼ -0.1
<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>1.9</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)

	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	8-Apr	9-Apr	DoD	vs. 7D
NRC Nuclear Daily Output	75.5	73.7	73.4	73.5	74.1	73.5	73.5	0.0	-0.5
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	29.3	31.2	31.5	31.3	30.8	31.4	31.4	0.0	0.5
NRC % Nuclear Cap Utilization	76.8	75.0	74.6	74.8	75.3	74.7	74.7	0.0	-0.5

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

	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	8-Apr	9-Apr	DoD	vs. 7D
CALI Wind	4218	4120	3346	1463	974	1513	4322	2808	1716
TEXAS Wind	18760	10130	14381	18042	14085	8739	21206	12467	7183
US Wind	60690	52951	66709	74358	69149	57770	67100	9329	3495

### Generation Daily Average - MWh (EIA)

	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr	8-Apr	9-Apr	DoD	vs. 7D
US Wind	60690	52951	66709	74358	69149	57770	67100	9329	3495
US Solar	14573	14815	15143	15210	15839	17843	14124	-3719	-1447
US Petroleum	961	1165	1055	1014	1058	958	971	13	-64
US Other	6709	6869	7335	7165	6780	6849	6521	-329	-431
US Coal	73445	81517	78064	74472	73693	78311	77458	-852	875
US Nuke	79480	77932	77244	77109	77265	77261	75895	-1366	-1820
US Hydro	30787	32245	31594	33617	34518	31638	28534	-3105	-3866
<b>US Gas</b>	<b>115101</b>	<b>139943</b>	<b>143895</b>	<b>137807</b>	<b>138139</b>	<b>138762</b>	<b>122192</b>	<b>-16570</b>	<b>-13416</b>

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Storage Week Average Generation Data

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

	4-Mar	11-Mar	18-Mar	25-Mar	1-Apr	8-Apr	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	85.8	82.3	80.9	80.9	79.3	75.0	-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	19.1	22.5	23.9	24.0	25.5	29.9	4.4	
NRC % Nuclear Cap Utilization	87.2	83.7	82.3	82.3	80.7	76.3	-4.4	

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

	4-Mar	11-Mar	18-Mar	25-Mar	1-Apr	8-Apr	WoW	WoW Bcf/d Impact
CALI Wind	815	2602	2297	2037	2643	2611	-32	0.0
TEXAS Wind	6269	14469	17742	16108	14530	14468	-62	0.0
US Wind	36019	56828	63171	62107	61694	60008	-1686	0.3
							-3%	
						0.0		

### Generation Weekly Average - MWh (EIA)

	4-Mar	11-Mar	18-Mar	25-Mar	1-Apr	8-Apr	WoW	WoW Bcf/d Impact
US Wind	36019	56828	63171	62107	61694	60008	-1686	<b>0.3</b>
US Solar	13971	12720	13919	13805	15430	15433	3	<b>0.0</b>
US Petroleum	3130	1742	961	864	1048	1015	-34	<b>0.0</b>
US Other	7510	6616	7114	7740	7481	7023	-458	0.1
US Coal	103399	86717	86035	72503	77743	77509	-233	0.0
US Nuke	90157	86449	84775	84027	83506	78807	-4699	<b>0.8</b>
US Hydro	32197	34571	34883	33229	33463	32511	-952	0.2
<b>US Gas</b>	<b>158687</b>	<b>140401</b>	<b>137079</b>	<b>124817</b>	<b>134886</b>	<b>134155</b>	<b>-731</b>	<b>-0.1</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				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	80.1	78.7	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	24.8	26.2	14.7	17.3	23.6	30.4	26.7	6.9	0.5
NRC % Nuclear Cap Utilization	81.4	80.0	91.7	89.0	82.7	75.7	79.5	-7.0	-0.5

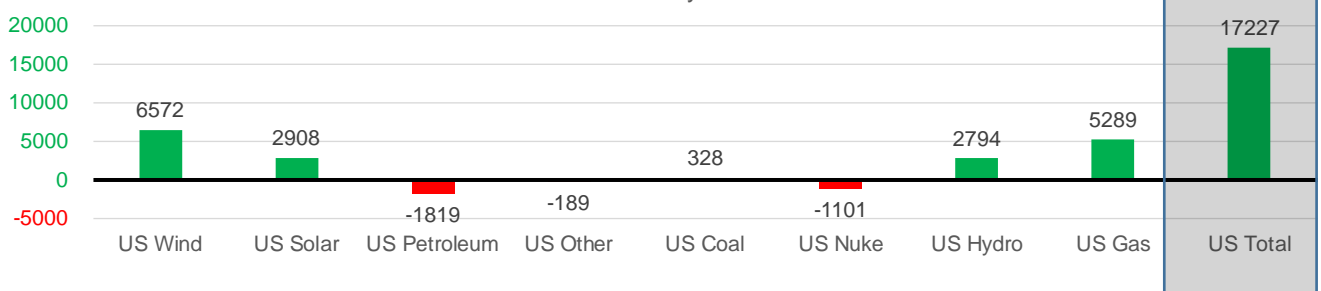
### Wind Generation Monthly Average - MWh (EIA)

	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	1829	2718	1244	1559	2250			
TEXAS Wind	9547	13804	11355	12294	14837	15785	16022	948	2218
US Wind	37228	55624	51045	56539	58520	61738	62196	3218	6572

### 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	37228	55624	51045	56539	58520			
US Solar	8035	11801	9476	12088	14049	15295	14708	▼ -586.6	▲ 2908
US Petroleum	3212	2789	5021	3451	1335	998	970	▼ -28	▼ -1819
US Other	7313	7482	8792	8832	7182	6870	7293	▲ 423	▼ -189
US Coal	63317	76885	117971	106588	82279	77568	77213	▼ -355	▲ 328
US Nuke	83279	82871	95259	92280	85157	77872	81771	▲ 3898	▼ -1101
US Hydro	30586	29975	34040	32213	33927	31347	32769	▲ 1423	▲ 2794
<b>US Gas</b>	<b>148017</b>	<b>125147</b>	<b>164024</b>	<b>152058</b>	<b>135574</b>	<b>131311</b>	<b>130437</b>	<b>▲ 5232</b>	<b>▲ 5289</b>
<b>US Total</b>	<b>379157</b>	<b>391622</b>	<b>485812</b>	<b>464578</b>	<b>419845</b>	<b>403184</b>	<b>408849</b>	<b>▲ 10006</b>	<b>▲ 17227</b>

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Regional S/D Models Storage Projection

Week Ending 8-Apr

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	3.7	-0.1	3.7	26
East	-2.7	1.9	-0.8	-5
Midwest	0.2	-0.7	-0.5	-4
Mountain	3.6	-3.2	0.4	3
South Central	2.0	1.7	3.7	26
Pacific	0.6	0.2	0.8	6

\*Adjustment Factor is calculated based on historical regional deltas

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

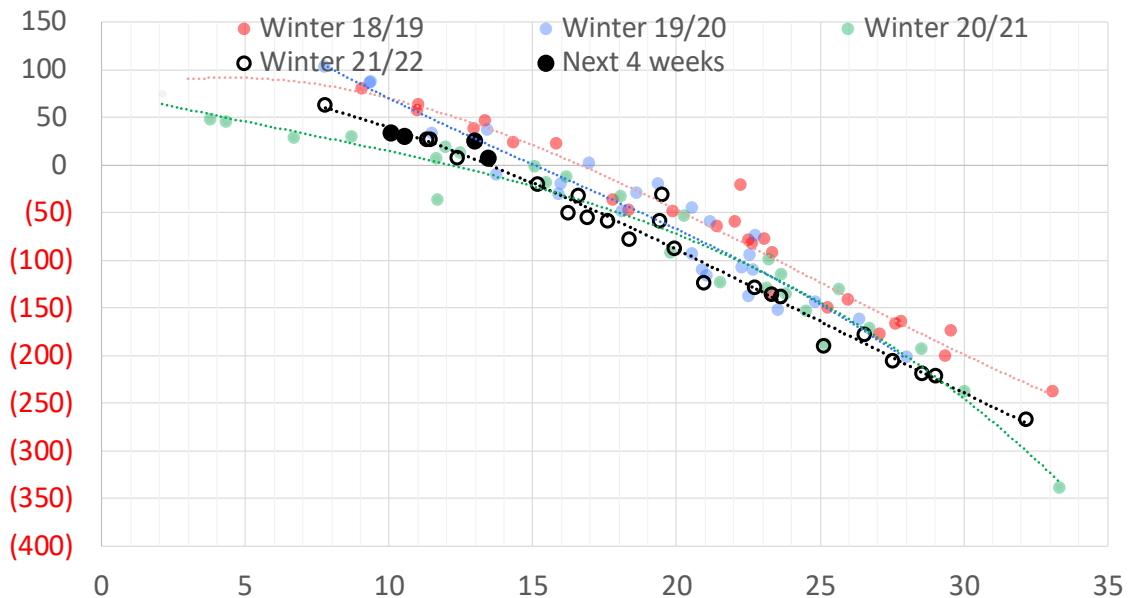


### Weather Model Storage Projection

Next report  
and beyond

Week Ending	GWDDs	Week Storage Projection
08-Apr	13	26
15-Apr	11	31
22-Apr	13	8
29-Apr	10	34

Weather Storage Model - Next 4 Week Forecast

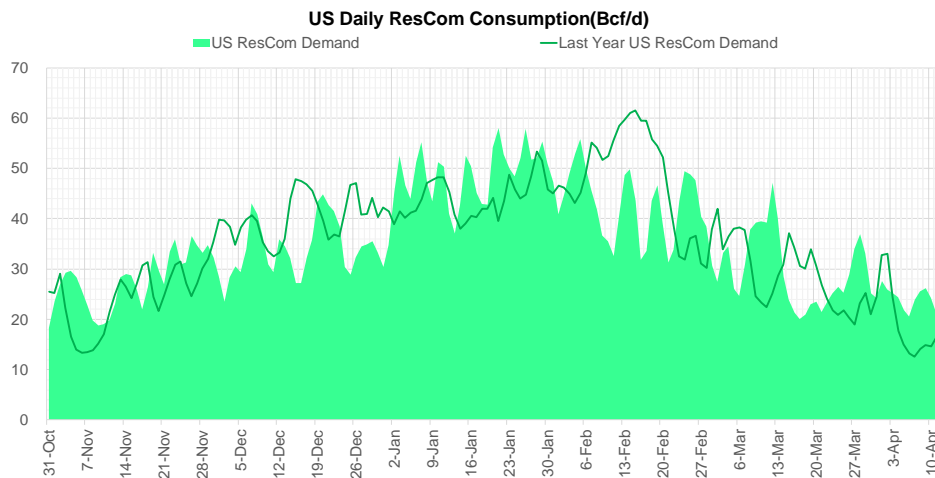
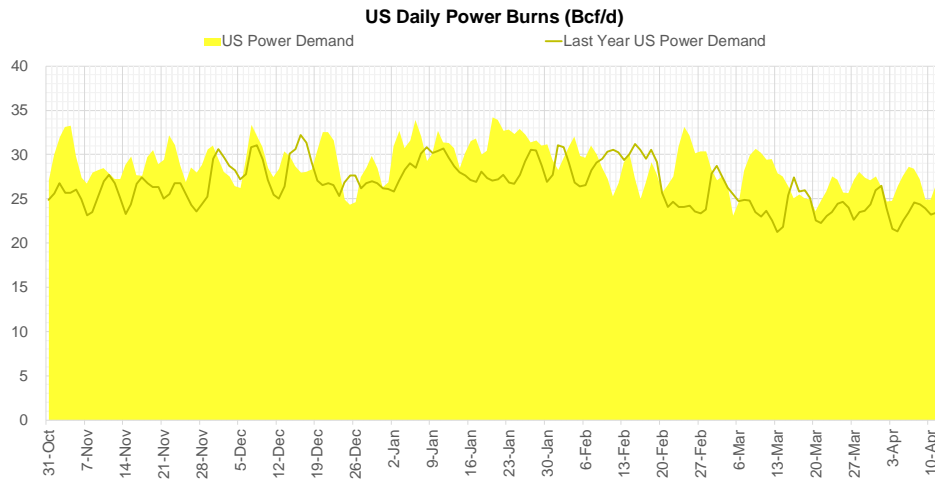
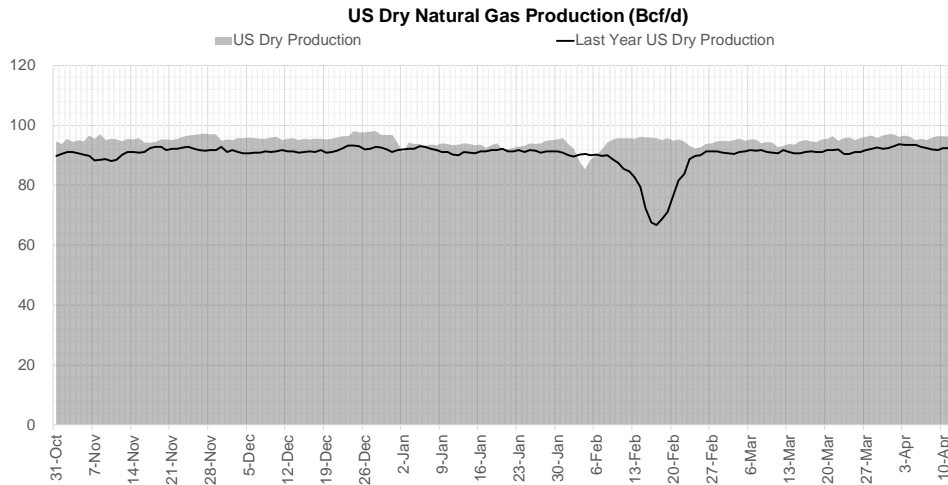


Go to larger image





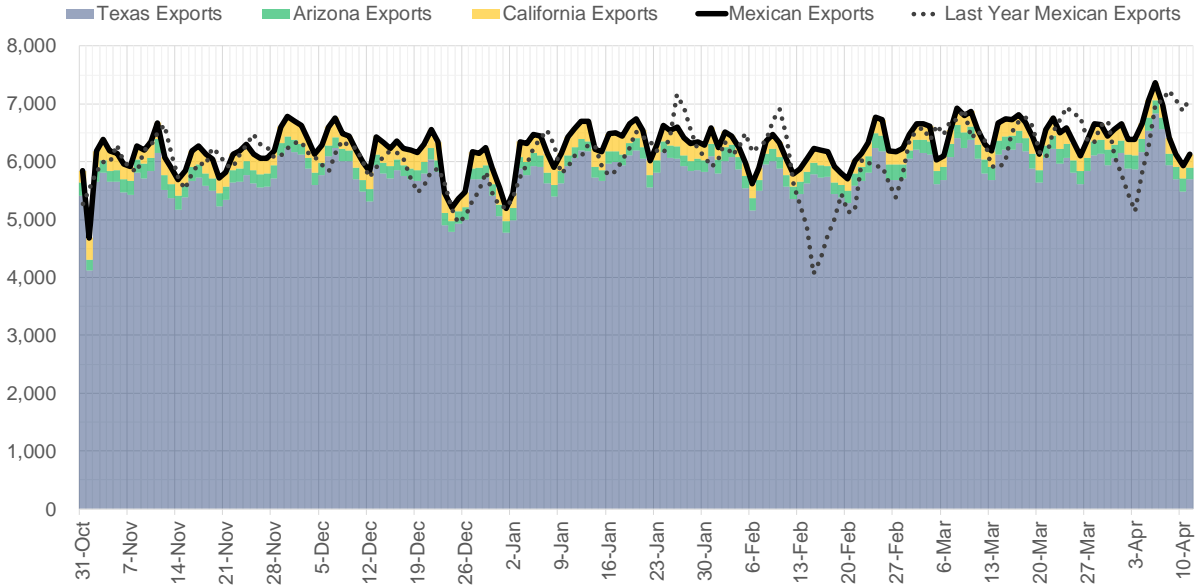
## Supply – Demand Trends



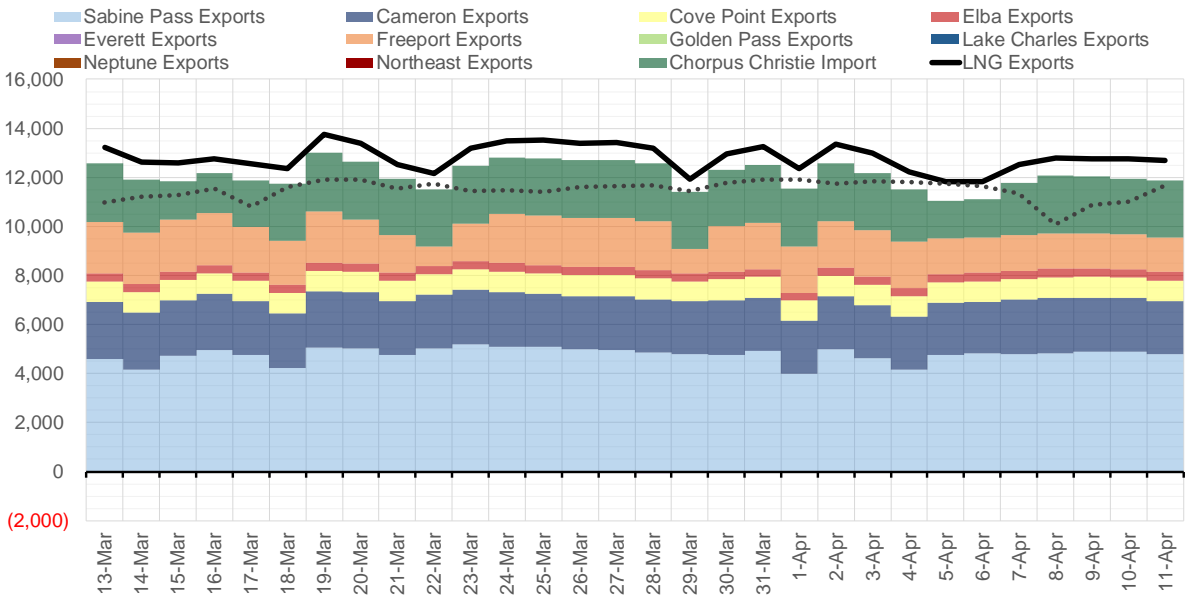
Source: Bloomberg

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### Mexican Exports (MMcf/d)



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



Source: Bloomberg

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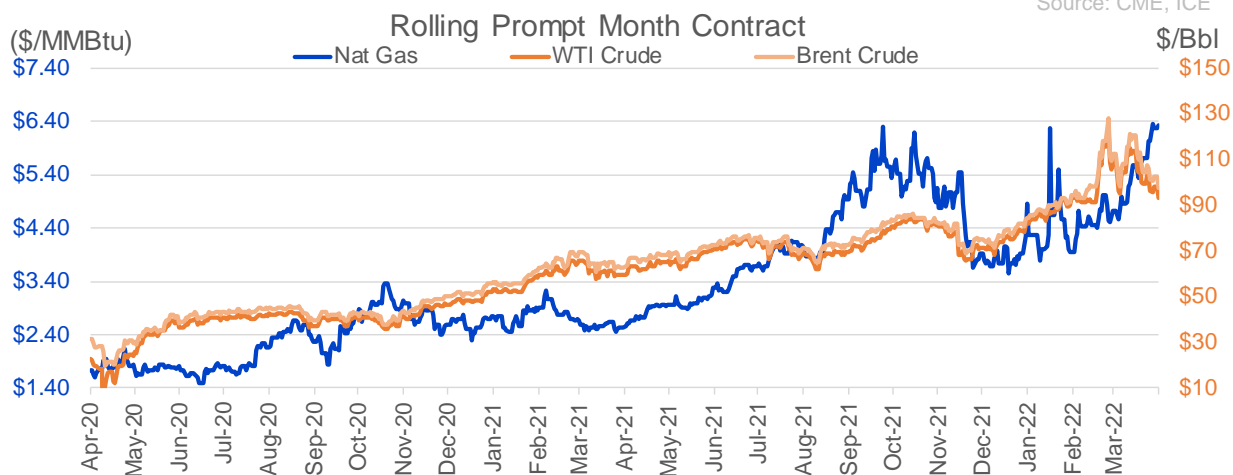
## Nat Gas Options Volume and Open Interest CME and ICE Combined

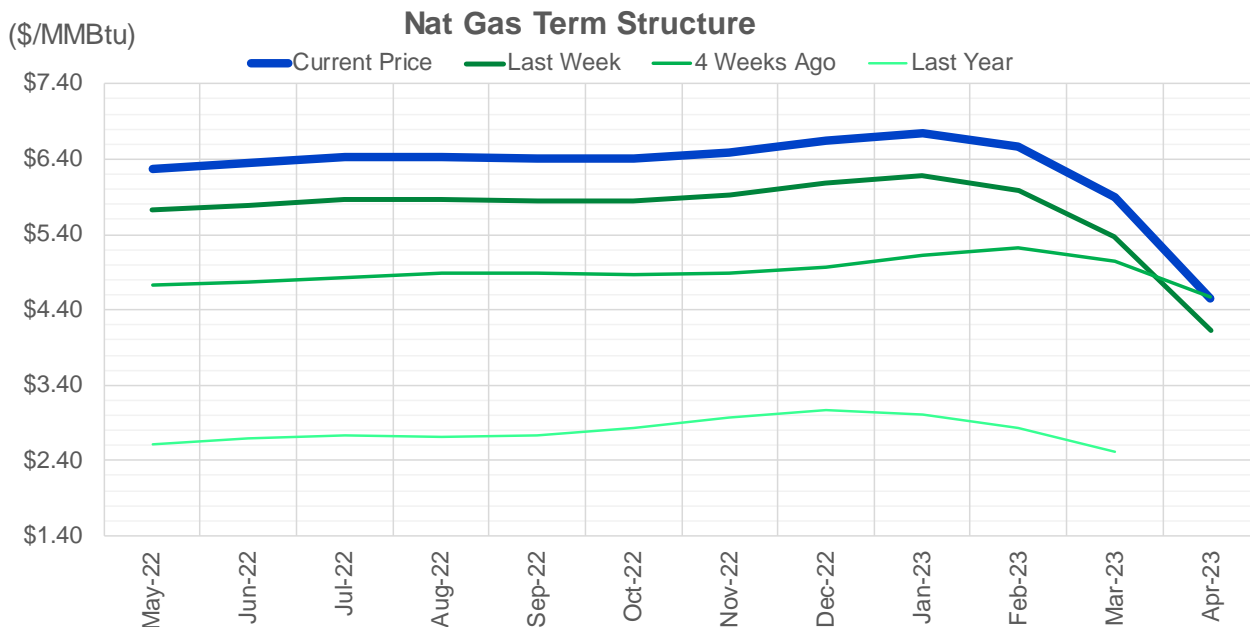
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
6	2022	C	10.00	9245	8	2022	C	10.00	47234
9	2022	C	10.00	8084	8	2022	C	10.50	40500
6	2022	C	11.00	6576	10	2022	C	6.00	29199
7	2022	C	10.00	4570	5	2022	P	4.00	27065
5	2022	C	8.00	4498	10	2022	C	5.00	26880
8	2022	C	10.00	4151	9	2022	C	6.00	23875
5	2022	P	6.00	4124	6	2022	C	6.00	23441
9	2022	C	9.00	4015	5	2022	P	3.00	22636
5	2022	C	7.00	3591	5	2022	C	6.00	22011
6	2022	C	9.00	2630	5	2022	C	5.00	21432
5	2022	C	10.00	2598	5	2022	C	7.00	21408
6	2022	C	7.00	2569	10	2022	P	3.00	20875
9	2022	C	9.50	2500	8	2022	C	6.00	20409
10	2022	C	7.00	2368	5	2022	P	4.50	20316
5	2022	P	5.25	2340	5	2022	P	2.50	19874
6	2022	C	6.50	2207	6	2022	P	4.00	19854
7	2022	C	11.00	2000	6	2022	C	8.00	19547
8	2022	P	4.20	2000	8	2022	C	7.00	18987
5	2022	P	5.50	1827	7	2022	C	7.00	18966
8	2022	C	7.00	1788	5	2022	P	5.00	18418
10	2022	C	10.00	1761	5	2022	P	3.50	18270
6	2022	C	6.00	1664	7	2022	C	6.00	18137
6	2022	P	5.00	1502	12	2022	C	5.00	17771
6	2022	P	5.50	1499	5	2022	P	2.75	17685
6	2022	C	7.50	1464	7	2022	P	3.25	17655
8	2022	C	8.00	1436	6	2022	C	7.00	17620
5	2022	P	5.75	1376	6	2022	C	5.00	17375
5	2022	P	5.00	1372	10	2022	P	2.50	17361
11	2022	P	5.00	1350	1	2023	C	6.00	17294
2	2023	C	10.00	1300	6	2022	P	3.00	17172
7	2022	P	6.00	1275	6	2022	C	10.00	16762
7	2022	C	7.00	1253	9	2022	C	7.00	16762
11	2022	P	4.00	1225	5	2022	P	3.75	16152
12	2022	C	5.25	1200	10	2022	C	7.00	16083
12	2022	C	6.25	1200	10	2022	P	4.00	15799
10	2022	C	8.00	1190	6	2022	P	3.50	15470
8	2022	C	7.25	1150	9	2022	P	2.50	15366
3	2023	C	10.00	1150	1	2023	C	5.00	15252
5	2022	C	7.50	1125	12	2022	C	6.00	15009
10	2022	C	9.00	1074	10	2022	P	3.50	14974
5	2022	C	6.50	1065	6	2022	P	4.75	14960
12	2022	C	5.00	1050	9	2022	P	2.75	14933
12	2022	C	6.00	1050	7	2022	C	8.00	14885
5	2022	P	5.40	1035	7	2022	P	3.50	14881
2	2023	C	15.00	1030	9	2022	C	10.00	14743
5	2022	C	7.10	1010	10	2022	P	2.00	14675
5	2022	P	5.10	1004	6	2022	P	3.75	14568
7	2022	C	8.00	1002	5	2022	C	8.00	14219
3	2023	C	6.50	1000	1	2023	C	10.00	14157
					5	2022	C	3	13733

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	167754	196949	-29195	MAY 22	77566	76627	940
JUN 22	99369	93165	6204	JUN 22	66330	66233	97
JUL 22	122935	108792	14143	JUL 22	74741	73377	1364
AUG 22	48814	48016	798	AUG 22	61051	60896	155
SEP 22	78238	77289	949	SEP 22	64303	64757	-454
OCT 22	94341	94275	66	OCT 22	74836	73985	850
NOV 22	42714	43624	-910	NOV 22	53718	53508	210
DEC 22	45926	45674	252	DEC 22	59922	59939	-17
JAN 23	67641	65485	2156	JAN 23	67733	67286	447
FEB 23	20847	21000	-153	FEB 23	47097	47032	66
MAR 23	40881	41382	-501	MAR 23	52972	53081	-110
APR 23	55130	53922	1208	APR 23	51309	51229	81
MAY 23	50136	45635	4501	MAY 23	45005	44950	55
JUN 23	22276	21558	718	JUN 23	43222	43102	121
JUL 23	17234	17107	127	JUL 23	42884	42822	63
AUG 23	14349	14184	165	AUG 23	42560	42506	55
SEP 23	17560	17629	-69	SEP 23	42290	42198	92
OCT 23	36022	35626	396	OCT 23	47984	47875	109
NOV 23	12179	12027	152	NOV 23	41838	41870	-32
DEC 23	14181	14492	-311	DEC 23	37872	37879	-7
JAN 24	22545	22595	-50	JAN 24	36123	36644	-522
FEB 24	5026	5045	-19	FEB 24	24271	24269	3
MAR 24	15836	15992	-156	MAR 24	30822	30774	48
APR 24	10596	10796	-200	APR 24	22660	22686	-26
MAY 24	4197	3975	222	MAY 24	21930	21429	501
JUN 24	1740	1732	8	JUN 24	21531	21440	91
JUL 24	1712	1708	4	JUL 24	21378	22166	-788
AUG 24	3033	3000	33	AUG 24	22147	22334	-187
SEP 24	1368	1355	13	SEP 24	20738	20917	-179
OCT 24	6922	6908	14	OCT 24	22522	22679	-157





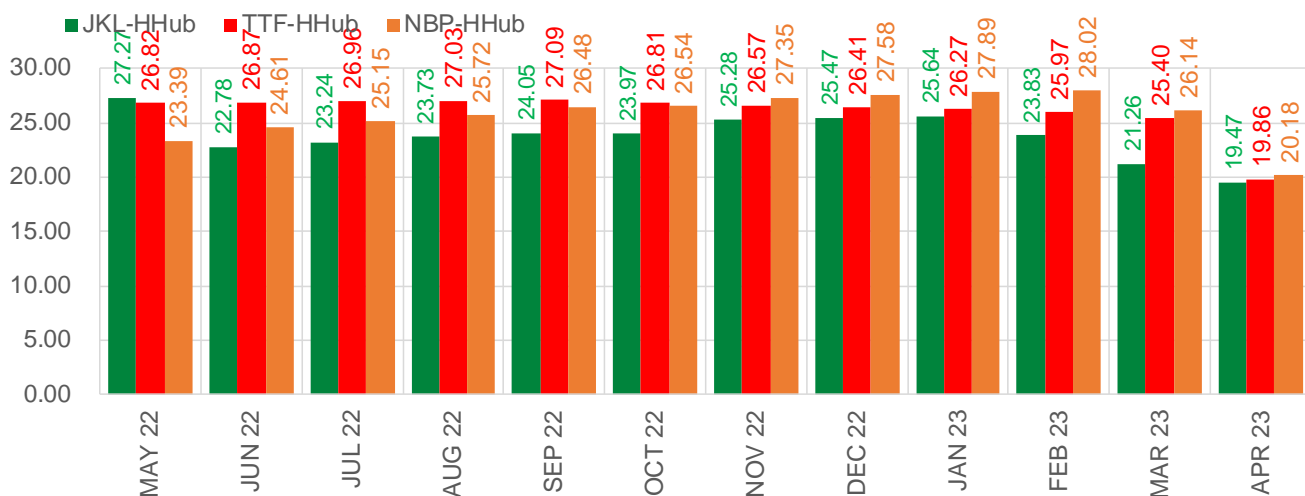
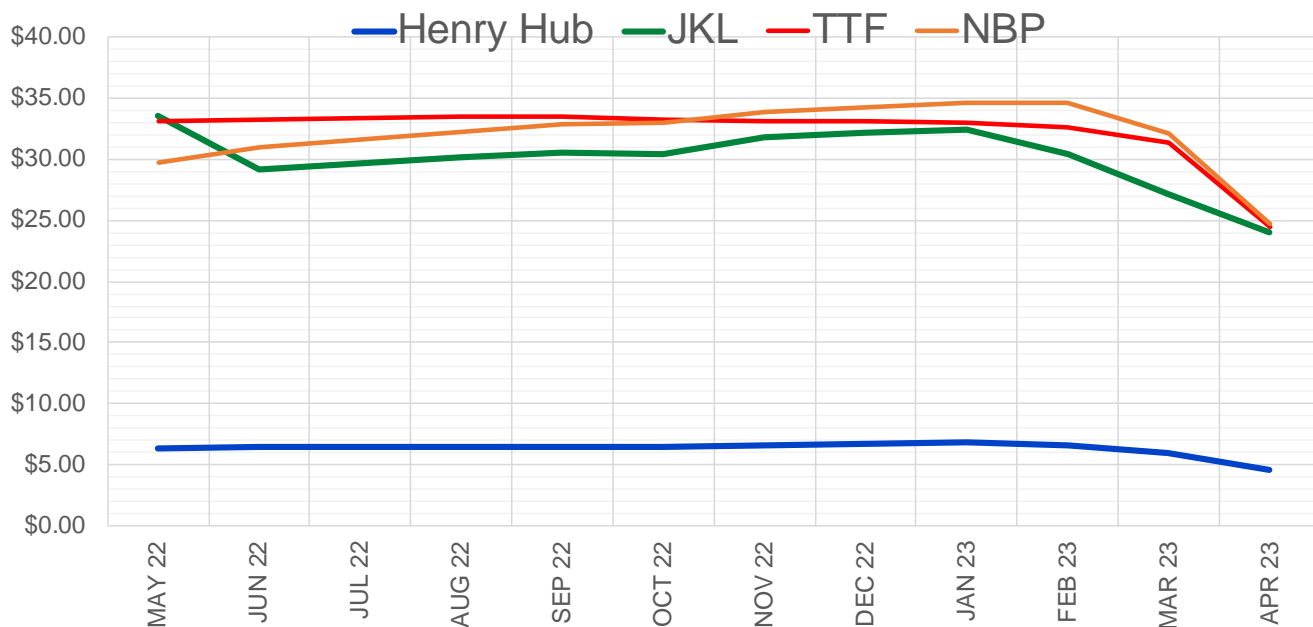
	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
<b>Current Price</b>	<b>\$6.278</b>	<b>\$6.356</b>	<b>\$6.420</b>	<b>\$6.423</b>	<b>\$6.402</b>	<b>\$6.418</b>	<b>\$6.487</b>	<b>\$6.651</b>	<b>\$6.751</b>	<b>\$6.566</b>	<b>\$5.896</b>	<b>\$4.557</b>
Last Week	\$5.720	\$5.795	\$5.857	\$5.860	\$5.838	\$5.851	\$5.924	\$6.076	\$6.172	\$5.988	\$5.374	\$4.122
vs. Last Week	\$0.558	\$0.561	\$0.563	\$0.563	\$0.564	\$0.567	\$0.563	\$0.575	\$0.579	\$0.578	\$0.522	\$0.435
4 Weeks Ago	\$4.725	\$4.766	\$4.819	\$4.878	\$4.889	\$4.874	\$4.891	\$4.975	\$5.129	\$5.225	\$5.039	\$4.570
vs. 4 Weeks Ago	\$1.553	\$1.590	\$1.601	\$1.545	\$1.513	\$1.544	\$1.596	\$1.676	\$1.622	\$1.341	\$0.857	-\$0.013
Last Year	\$2.526	\$2.605	\$2.691	\$2.724	\$2.715	\$2.735	\$2.823	\$2.980	\$3.073	\$3.013	\$2.837	\$2.511
vs. Last Year	\$3.752	\$3.751	\$3.729	\$3.699	\$3.687	\$3.683	\$3.664	\$3.671	\$3.678	\$3.553	\$3.059	\$2.046

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	5.95	5.12	-0.83
TETCO M3	\$/MMBtu	5.92	5.12	-0.80
FGT Zone 3	\$/MMBtu	5.90	5.76	-0.14
Zone 6 NY	\$/MMBtu	5.90	4.95	-0.95
Chicago Citygate	\$/MMBtu	6.07	5.43	-0.64
Michcon	\$/MMBtu	6.14	5.47	-0.67
Columbia TCO Pool	\$/MMBtu	5.63	5.14	-0.49
Ventura	\$/MMBtu	5.93	5.30	-0.63
Rockies/Opal	\$/MMBtu	5.84	5.11	-0.73
El Paso Permian Basin	\$/MMBtu	5.63	4.75	-0.88
Socal Citygate	\$/MMBtu	6.01	5.21	-0.80
Malin	\$/MMBtu	5.80	5.19	-0.61
Houston Ship Channel	\$/MMBtu	6.03	5.49	-0.54
Henry Hub Cash	\$/MMBtu	6.30	5.35	-0.95
AECO Cash	C\$/GJ	5.32	4.24	-1.08
Station2 Cash	C\$/GJ	4.92	4.89	-0.03
Dawn Cash	C\$/GJ	6.17	5.46	-0.71

Source: CME, Bloomberg

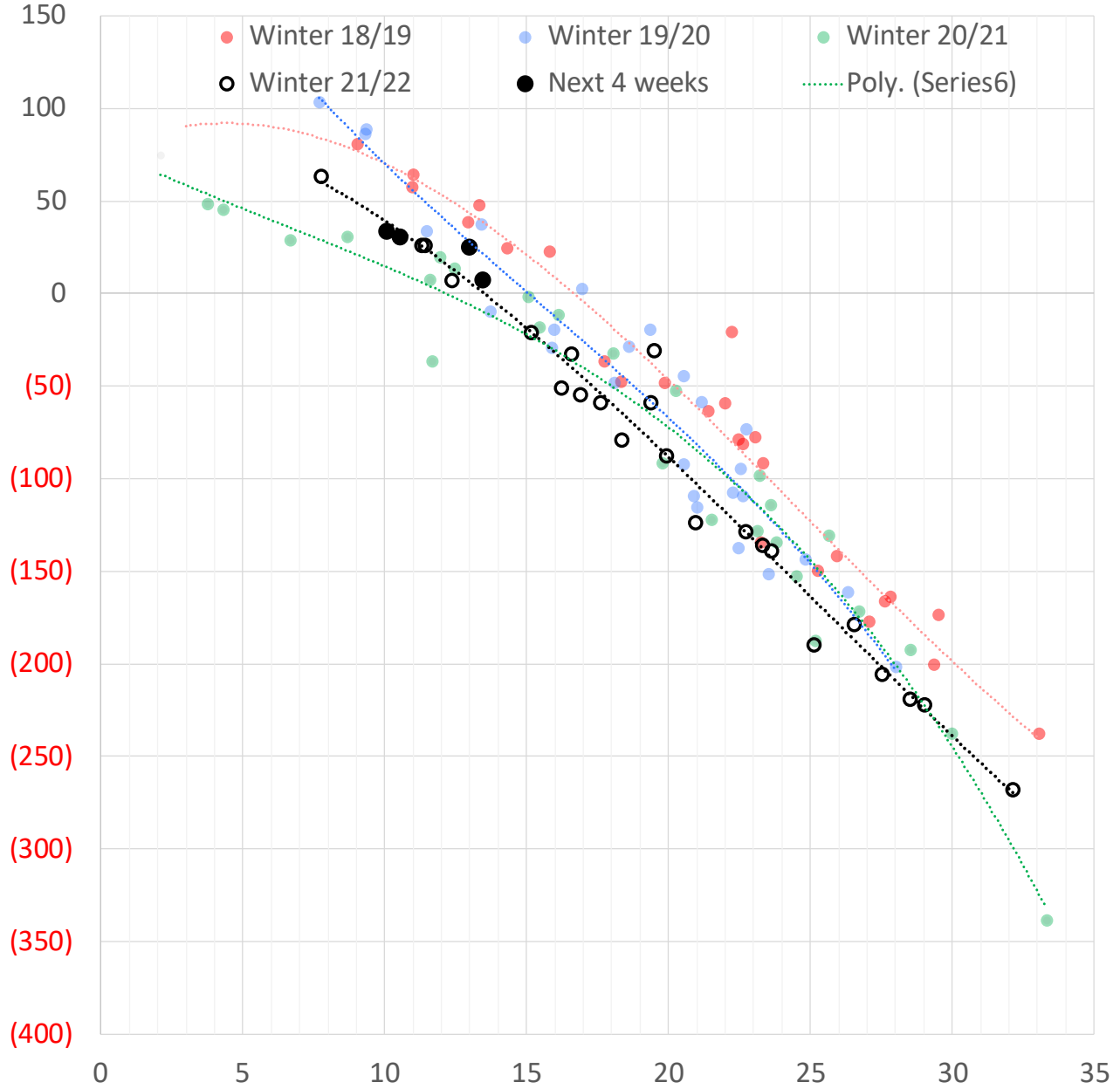
	Units	Current Price	vs. Last Week	vs. 4 Weeks Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 2.180
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.273
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -2.155
NatGas Apr22/Oct22	\$/MMBtu	1.082	▲ 0.567	▲ 0.916	▲ 1.048
WTI Crude	\$/Bbl	98.26	▼ -1.010	▼ -11.070	▲ 38.940
Brent Crude	\$/Bbl	102.78	▼ -1.610	▼ -9.890	▲ 39.830
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	331.76	▼ -10.640	▼ -10.000	▲ 151.000
Propane, Mt. Bel	cents/Gallon	1.30	▼ -0.078	▼ -0.155	▲ 0.450
Ethane, Mt. Bel	cents/Gallon	0.49	▲ 0.047	▲ 0.068	▲ 0.258
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>	\$6.333	\$6.421	\$6.474	\$6.495	\$6.470	\$6.468	\$6.559	\$6.705	\$6.795	\$6.622	\$5.947	\$4.578
<b>JKL</b>	\$33.605	\$29.205	\$29.710	\$30.225	\$30.520	\$30.440	\$31.835	\$32.175	\$32.435	\$30.450	\$27.205	\$24.050
<b>JKL-HHub</b>	\$27.272	\$22.784	\$23.236	\$23.730	\$24.050	\$23.972	\$25.276	\$25.470	\$25.640	\$23.828	\$21.258	\$19.472
<b>TTF</b>	\$33.156	\$33.287	\$33.437	\$33.521	\$33.556	\$33.276	\$33.128	\$33.115	\$33.068	\$32.593	\$31.344	\$24.433
<b>TTF-HHub</b>	\$26.823	\$26.866	\$26.963	\$27.026	\$27.086	\$26.808	\$26.569	\$26.410	\$26.273	\$25.971	\$25.397	\$19.855
<b>NBP</b>	\$29.724	\$31.034	\$31.626	\$32.215	\$32.953	\$33.003	\$33.912	\$34.286	\$34.689	\$34.641	\$32.083	\$24.755
<b>NBP-HHub</b>	\$23.391	\$24.613	\$25.152	\$25.720	\$26.483	\$26.535	\$27.353	\$27.581	\$27.894	\$28.019	\$26.136	\$20.177

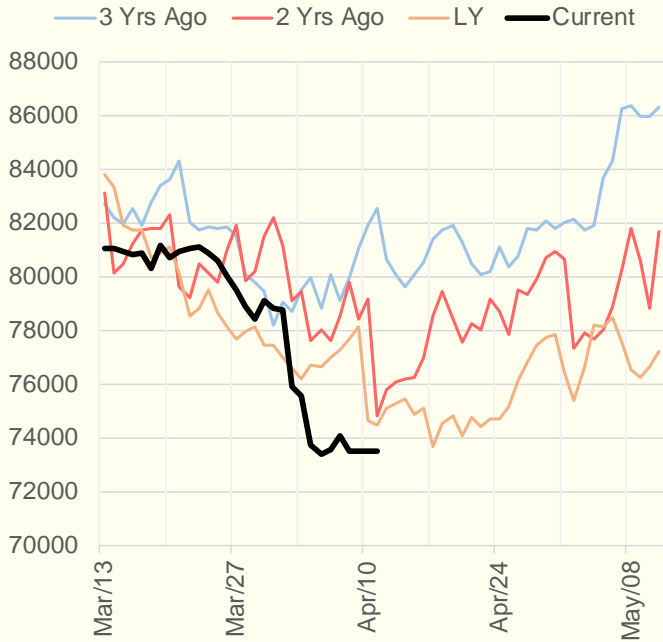
## Weather Storage Model - Next 4 Week Forecast



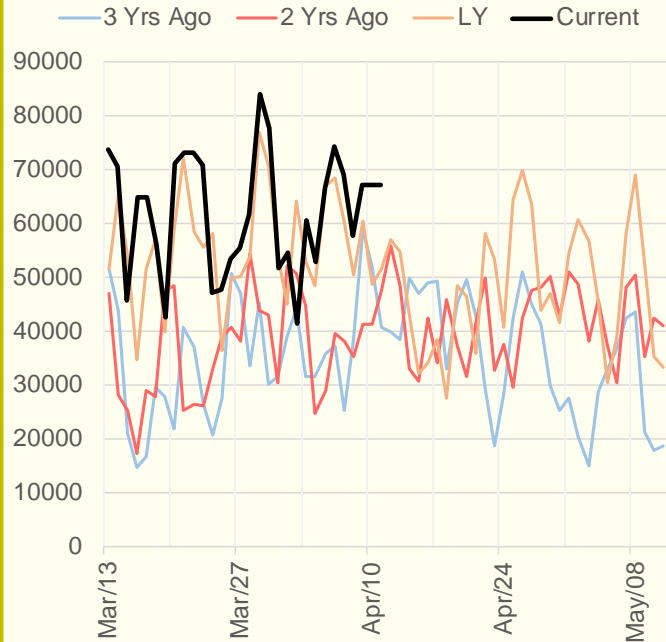
The risk of trading futures and options and other derivatives involves a substantial risk of loss and is not suitable for all persons. Each person must consider whether a particular trade, combination of trades, or strategy is suitable for that person's financial means and objectives. Past results are 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.



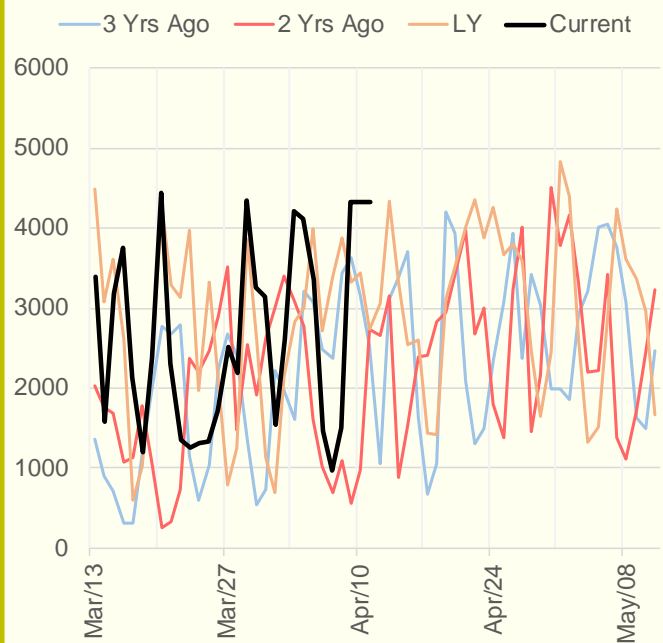
### NRC Nuclear Daily Output



### US Wind



### CALI Wind



### TEXAS Wind

