

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 7.92	▲ \$ 0.44	▲ \$ 0.75

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 104.49	▼ \$ (0.68)	▲ \$ 0.4

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 106.95	▼ \$ (0.63)	▼ \$ (0.7)

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[Weather Model Storage Projection](#)

[Supply – Demand Trends](#)

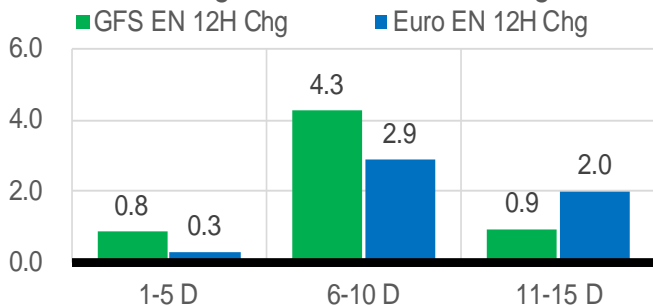
[Nat Gas Options Volume and Open Interest](#)

[Nat Gas Futures Open Interest](#)

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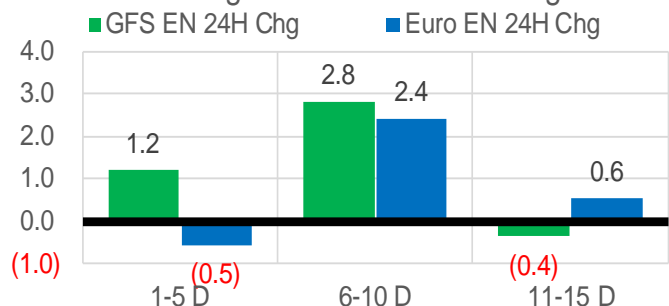
### Vs. 12H Ago

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	94.7	▼ -1.49	▼ -0.91

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	30.5	▲ 1.53	▲ 3.50

	Current	Δ from YD	Δ from 7D Avg
US ResComm	15.6	▼ -1.29	▼ -3.75

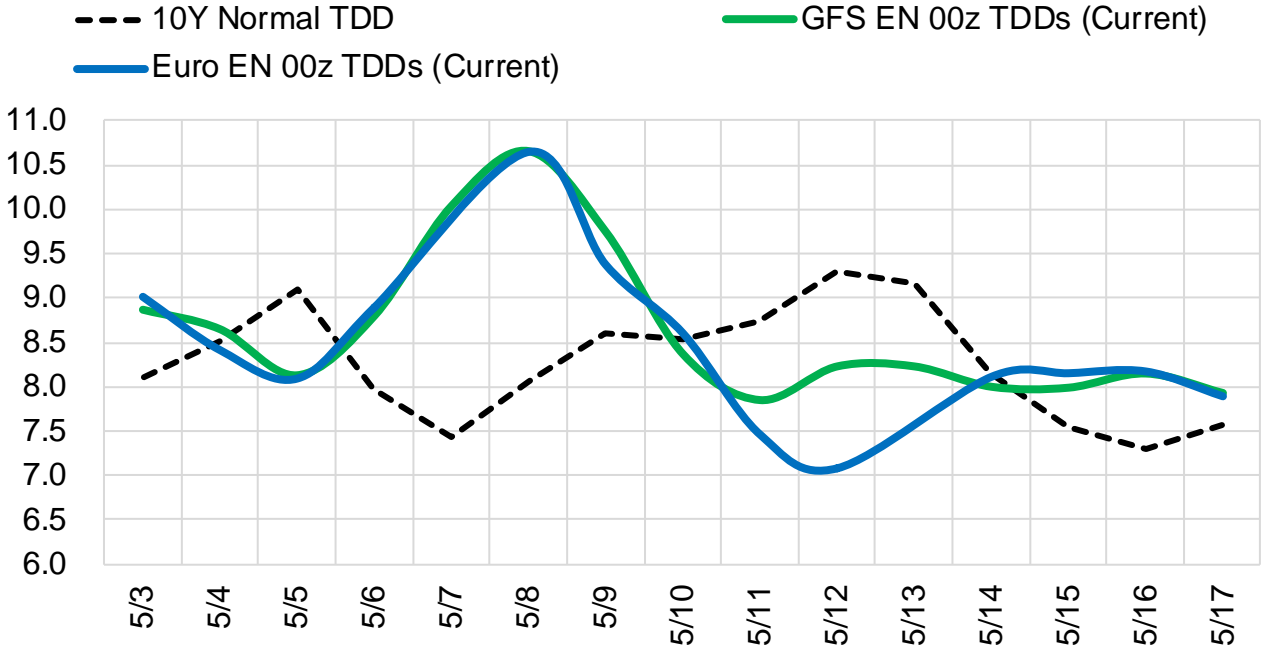
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	6.1	▲ 0.62	▲ 0.07

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	12.3	▼ -0.18	▲ 0.04

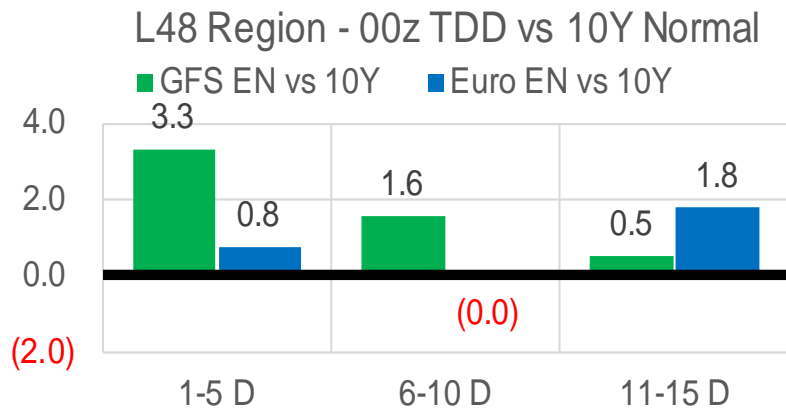
	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.9	▲ 0.07	▼ -0.06

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

### L48 Region



## Vs. 10Y Normal



Source: WSI, Bloomberg

## Lower 48 Component Models

### Daily Balances

	27-Apr	28-Apr	29-Apr	30-Apr	1-May	2-May	3-May	DoD	vs. 7D
<b>Lower 48 Dry Production</b>	<b>94.6</b>	<b>95.7</b>	<b>96.4</b>	<b>96.0</b>	<b>95.4</b>	<b>96.2</b>	<b>94.7</b>	▼ -1.5	▼ -1.0
<b>Canadian Imports</b>	<b>6.4</b>	<b>6.4</b>	<b>5.8</b>	<b>6.0</b>	<b>5.4</b>	<b>5.5</b>	<b>6.1</b>	▲ 0.6	▲ 0.2
L48 Power	27.1	26.9	26.0	25.1	26.5	29.0	30.5	▲ 1.5	▲ 3.7
L48 Residential & Commercial	23.7	23.0	18.6	16.1	15.5	16.9	15.6	▼ -1.3	▼ -3.4
L48 Industrial	20.7	20.3	19.4	18.9	18.7	18.8	18.8	▲ 0.1	▼ -0.6
L48 Lease and Plant Fuel	5.2	5.2	5.3	5.2	5.2	5.2	5.1	▼ -0.1	▼ -0.1
L48 Pipeline Distribution	2.8	2.8	2.5	2.3	2.4	2.6	2.6	▲ 0.0	▲ 0.1
<b>L48 Regional Gas Consumption</b>	<b>79.6</b>	<b>78.2</b>	<b>71.8</b>	<b>67.7</b>	<b>68.3</b>	<b>72.4</b>	<b>72.7</b>	▲ 0.2	▼ -0.3
<b>Net LNG Delivered</b>	<b>12.92</b>	<b>11.73</b>	<b>11.90</b>	<b>12.00</b>	<b>11.96</b>	<b>12.44</b>	<b>12.26</b>	▼ -0.2	▲ 0.1
<b>Total Mexican Exports</b>	<b>7.1</b>	<b>7.1</b>	<b>6.9</b>	<b>6.9</b>	<b>6.5</b>	<b>6.8</b>	<b>6.9</b>	▲ 0.1	▲ 0.0
Implied Daily Storage Activity	1.3	5.2	11.7	15.5	14.1	10.1	9.1		
EIA Reported Daily Storage Activity									
Daily Model Error									

### EIA Storage Week Balances

	25-Mar	1-Apr	8-Apr	15-Apr	22-Apr	29-Apr	WoW	vs. 4W
<b>Lower 48 Dry Production</b>	<b>95.5</b>	<b>96.1</b>	<b>95.9</b>	<b>96.4</b>	<b>96.8</b>	<b>95.9</b>	▼ -0.9	▼ -0.4
<b>Canadian Imports</b>	<b>4.8</b>	<b>5.7</b>	<b>5.8</b>	<b>5.6</b>	<b>5.8</b>	<b>6.1</b>	▲ 0.3	▲ 0.4
L48 Power	25.5	26.8	26.7	26.7	26.8	26.8	▼ 0.0	▲ 0.0
L48 Residential & Commercial	24.6	30.8	25.2	22.4	24.1	18.6	▼ -5.6	▼ -7.1
L48 Industrial	19.7	21.5	20.7	19.5	20.0	20.4	▲ 0.3	▼ -0.1
L48 Lease and Plant Fuel	5.2	5.2	5.2	5.3	5.3	5.2	▼ 0.0	▼ 0.0
L48 Pipeline Distribution	2.6	3.0	2.9	2.7	2.8	2.5	▼ -0.3	▼ -0.3
<b>L48 Regional Gas Consumption</b>	<b>77.6</b>	<b>87.3</b>	<b>80.7</b>	<b>76.6</b>	<b>79.1</b>	<b>73.4</b>	▼ -5.7	▼ -7.5
<b>Net LNG Exports</b>	<b>13.0</b>	<b>13.1</b>	<b>12.4</b>	<b>12.5</b>	<b>12.1</b>	<b>12.2</b>	▲ 0.1	▼ -0.3
<b>Total Mexican Exports</b>	<b>6.5</b>	<b>6.4</b>	<b>6.8</b>	<b>6.6</b>	<b>6.7</b>	<b>6.9</b>	▲ 0.2	▲ 0.3
Implied Daily Storage Activity	3.2	-5.0	1.8	6.4	4.7	9.5	4.7	
EIA Reported Daily Storage Activity	3.7	-4.7	2.1	7.6	5.7			
Daily Model Error	-0.5	-0.3	-0.4	-1.2	-1.0			

### Monthly Balances

	2Yr Ago May-20	LY May-21	Jan-22	Feb-22	Mar-22	Apr-22	MTD May-22	MoM	vs. LY
<b>Lower 48 Dry Production</b>	<b>87.0</b>	<b>93.0</b>	<b>93.4</b>	<b>92.7</b>	<b>95.1</b>	<b>96.2</b>	<b>95.8</b>	▼ -0.4	▲ 2.9
<b>Canadian Imports</b>	<b>3.9</b>	<b>4.5</b>	<b>6.7</b>	<b>6.6</b>	<b>5.2</b>	<b>5.8</b>	<b>5.5</b>	▼ -0.4	▲ 0.9
L48 Power	26.9	26.7	31.3	29.1	26.9	26.7	27.8	▲ 1.1	▲ 1.1
L48 Residential & Commercial	12.8	12.8	49.1	44.4	30.7	22.2	16.2	▼ -6.1	▲ 3.4
L48 Industrial	19.4	20.7	24.8	22.5	20.5	20.1	18.7	▼ -1.4	▼ -2.0
L48 Lease and Plant Fuel	4.7	5.0	5.1	5.1	5.2	5.3	5.2	▼ -0.1	▲ 0.2
L48 Pipeline Distribution	2.2	2.2	3.8	3.6	3.0	2.7	2.5	▼ -0.2	▲ 0.3
<b>L48 Regional Gas Consumption</b>	<b>65.9</b>	<b>67.5</b>	<b>114.2</b>	<b>104.6</b>	<b>86.3</b>	<b>76.9</b>	<b>70.3</b>	▼ -6.6	▲ 2.9
<b>Net LNG Exports</b>	<b>6.7</b>	<b>10.8</b>	<b>12.4</b>	<b>12.4</b>	<b>12.9</b>	<b>12.3</b>	<b>12.2</b>	▼ -0.1	▲ 1.4
<b>Total Mexican Exports</b>	<b>4.8</b>	<b>6.8</b>	<b>6.3</b>	<b>6.2</b>	<b>6.5</b>	<b>6.7</b>	<b>6.7</b>	▼ -0.1	▼ -0.1
Implied Daily Storage Activity	13.6	12.4	-32.8	-23.8	-5.4	6.1	12.1		
EIA Reported Daily Storage Activity									
Daily Model Error									

Source: Bloomberg, analytix.ai

## Daily Average Generation Data

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

	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr	1-May	DoD	vs. 7D
NRC Nuclear Daily Output	73.7	74.4	75.2	73.4	74.5	74.6	76.3	1.7	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	31.2	30.5	29.7	31.5	30.4	30.3	28.6	-1.7	-2.0
NRC % Nuclear Cap Utilization	75.0	75.6	76.4	74.6	75.8	75.9	77.6	1.7	2.0

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

	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr	1-May	DoD	vs. 7D
CALI Wind	1249	3181	4796	4682	2301	3607	4170	563	867
TEXAS Wind	17138	10426	17588	21087	21568	13192	18569	5377	1736
US Wind	58119	47893	68033	70064	76301	64883	65920	1037	1705

### Generation Daily Average - MWh (EIA)

	25-Apr	26-Apr	27-Apr	28-Apr	29-Apr	30-Apr	1-May	DoD	vs. 7D
US Wind	58119	47893	68033	70064	76301	64883	65920	1037	1705
US Solar	16575	15450	16977	17074	16778	16334	14506	-1827	-2025
US Petroleum	1028	993	994	1036	1026	834	795	-39	-190
US Other	7604	7733	7464	7107	7016	6856	6787	-70	-510
US Coal	79804	82139	77520	75742	69560	68823	71770	2947	-3828
US Nuke	77686	78059	78196	78176	78702	79037	80302	1265	1992
US Hydro	27540	27189	26263	27426	25293	23668	24272	604	-1958
<b>US Gas</b>	<b>142799</b>	<b>148212</b>	<b>132916</b>	<b>131079</b>	<b>129012</b>	<b>122819</b>	<b>118626</b>	<b>-4193</b>	<b>-15846</b>

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Storage Week Average Generation Data

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

	25-Mar	1-Apr	8-Apr	15-Apr	22-Apr	29-Apr	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	80.9	79.3	75.0	71.9	72.3	73.5	1.2	-0.2
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	24.0	25.5	29.9	32.9	32.6	31.4	-1.2	
NRC % Nuclear Cap Utilization	82.3	80.7	76.3	73.2	73.5	74.8	1.2	

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

	25-Mar	1-Apr	8-Apr	15-Apr	22-Apr	29-Apr	WoW	WoW Bcf/d Impact
CALI Wind	2037	2643	2611	3434	3613	3153	-460	0.1
TEXAS Wind	16108	14530	14468	16530	15612	18327	2715	-0.5
US Wind	62107	61679	59878	66240	61556	66968	5412	-1.0
							9%	

### Generation Weekly Average - MWh (EIA)

	25-Mar	1-Apr	8-Apr	15-Apr	22-Apr	29-Apr	WoW	WoW Bcf/d Impact
US Wind	62107	61679	59878	66240	61556	66968	5412	-1.0
US Solar	13805	15451	15518	16118	15897	16519	622	-0.1
US Petroleum	864	1048	1015	964	984	992	8	0.0
US Other	7745	7481	7183	7154	7544	7578	33	0.0
US Coal	72503	77743	77514	77087	79632	77095	-2537	0.5
US Nuke	84027	83506	78807	75674	76478	77438	959	-0.2
US Hydro	33229	33463	32524	29415	28355	26593	-1762	0.3
<b>US Gas</b>	<b>124817</b>	<b>134886</b>	<b>134633</b>	<b>134338</b>	<b>133367</b>	<b>130946</b>	<b>-2421</b>	<b>-0.4</b>

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Monthly Average Generation Data

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

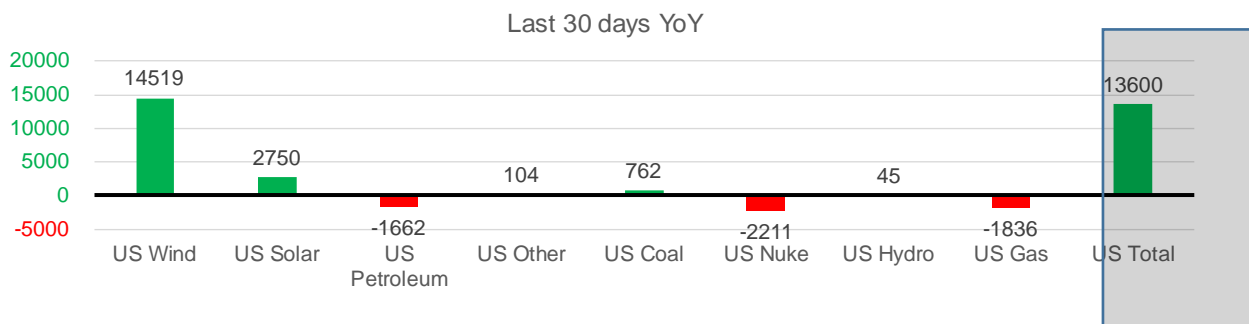
	2Yr Ago	LY	MTD				Last 30 days	Last 30 days YoY
	Same 30 days	Same 30 days	Feb-22	Mar-22	Apr-22	May-22		
NRC Nuclear Daily Output	78.3	75.8	87.3	81.3	73.3	77.0	73.3	-2.5
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	104.9	0.0
NRC Nuclear Outage	26.6	29.1	17.5	23.6	31.6	27.8	31.6	2.5
NRC % Nuclear Cap Utilization	79.6	77.1	88.8	82.7	74.5	78.3	74.5	-2.5

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

	2Yr Ago	LY	MTD				Last 30 days	Last 30 days YoY
	Same 30 days	Same 30 days	Feb-22	Mar-22	Apr-22	May-22		
CALI Wind	2439	3261	1495	2250	3186	4170	3324	63
TEXAS Wind	10246	11939	11750	14837	16311	18569	16680	4741
US Wind	40569	50974	54541	58515	64123	65920	65493	14519

### Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD				Last 30 days	Last 30 days YoY
	Same 30 days	Same 30 days	Feb-22	Mar-22	Apr-22	May-22		
US Wind	40569	50974	54541	58515	64123	65920	65493	▲ 14519
US Solar	9839	13155	12442	14054	16049	14506	15906	▲ 2750
US Petroleum	3010	2633	3409	1335	985	795	971	▼ -1662
US Other	7684	7202	8629	7187	7336	6787	7307	▲ 104
US Coal	56078	75844	105630	82291	77256	71770	76606	▲ 762
US Nuke	82355	79388	92013	85157	77217	80302	77177	▼ -2211
US Hydro	31669	28099	32280	33927	28905	24272	28144	▲ 45
<b>US Gas</b>	<b>135486</b>	<b>133862</b>	<b>151626</b>	<b>135583</b>	<b>132827</b>	<b>118626</b>	<b>132027</b>	<b>▼ -1836</b>
<b>US Total</b>	<b>365182</b>	<b>391202</b>	<b>461067</b>	<b>419866</b>	<b>405737</b>	<b>385261</b>	<b>404802</b>	<b>▲ 13600</b>



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

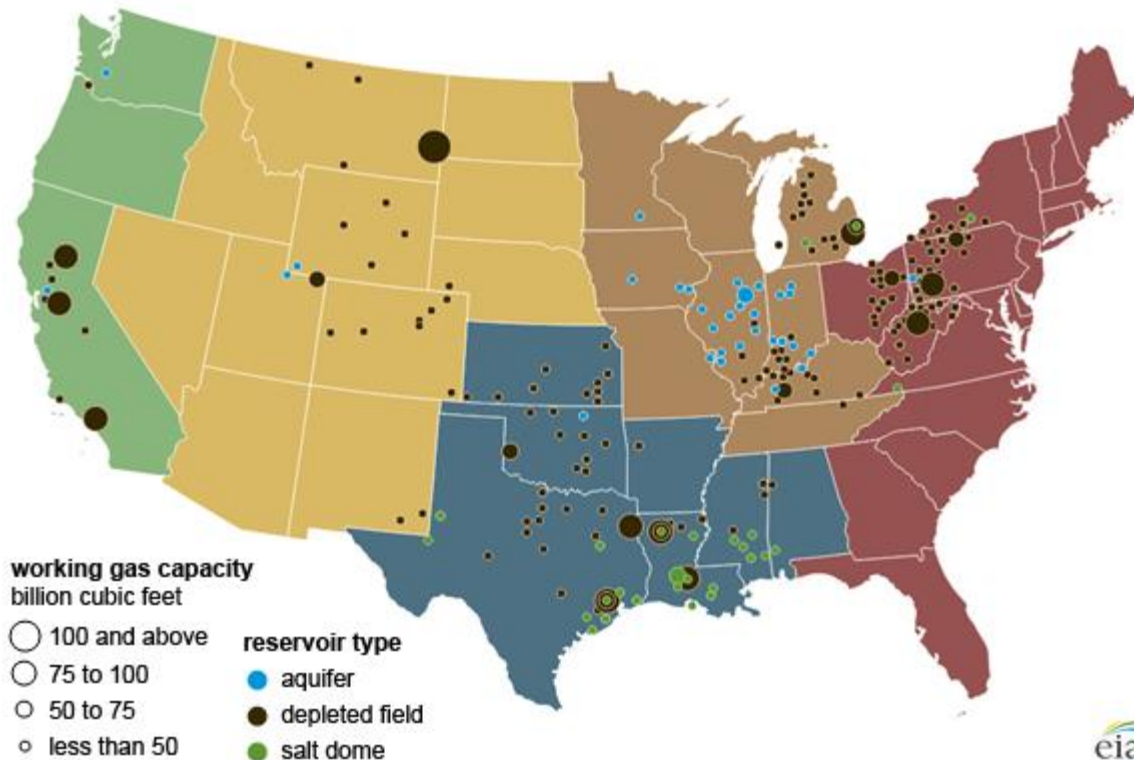
### Regional S/D Models Storage Projection

Week Ending 29-Apr

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	10.0	0.3	10.3	72
East	0.1	2.0	2.2	15
Midwest	2.7	-0.3	2.4	17
Mountain	3.8	-3.4	0.4	3
South Central	3.1	1.6	4.7	33
Pacific	0.3	0.4	0.7	5

\*Adjustment Factor is calculated based on historical regional deltas

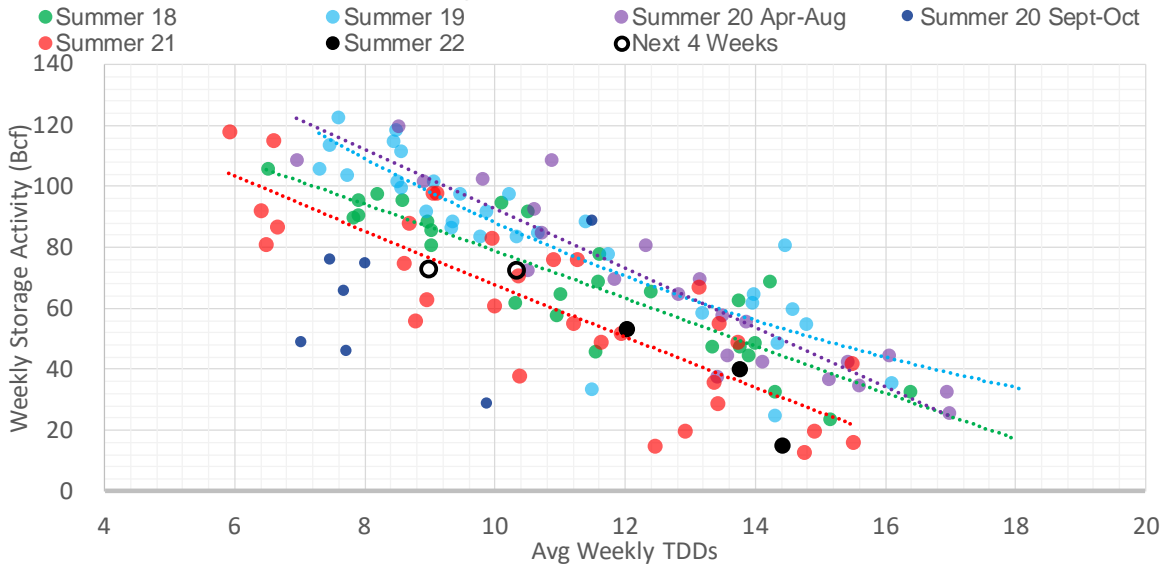
U.S. underground natural gas storage facilities by type (July 2015)



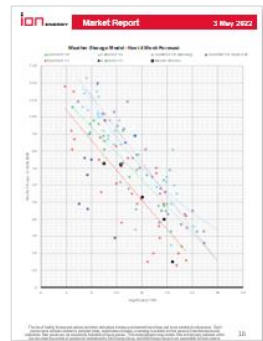
### Weather Model Storage Projection

Next report and beyond		
Week Ending	TDDs	Week Storage Projection
29-Apr	10.3	72
06-May	9.0	73
13-May	#N/A	#N/A
20-May	#N/A	#N/A

### Weather Storage Model - Next 4 Week Forecast

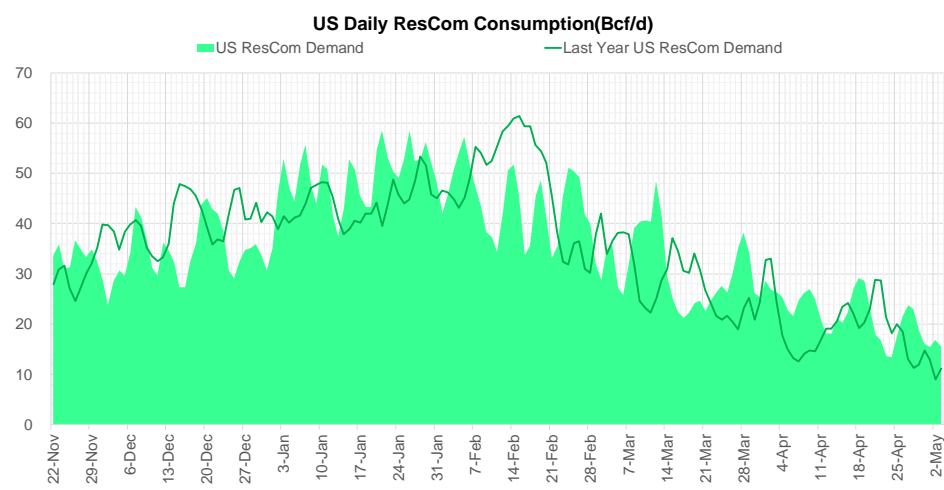
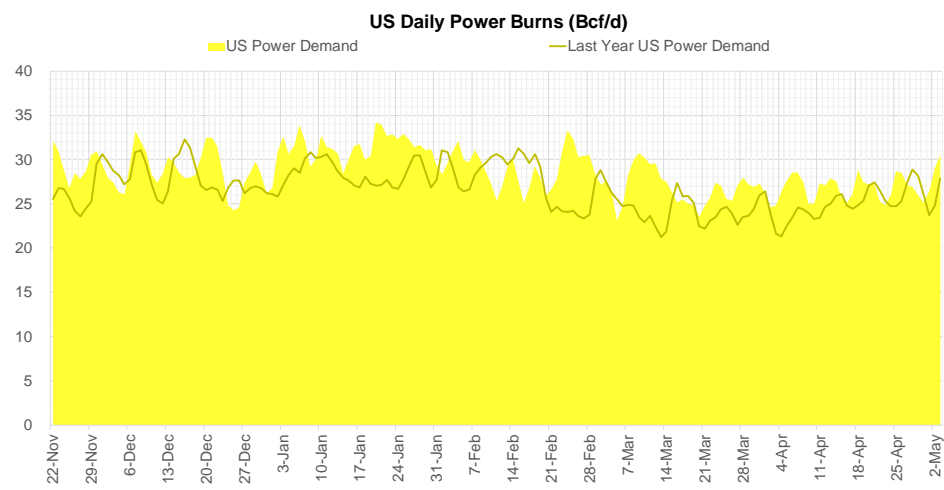
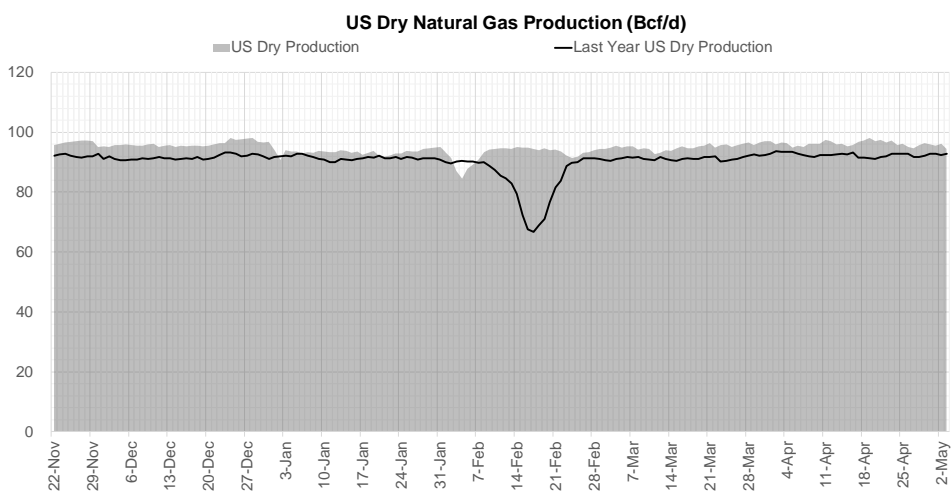


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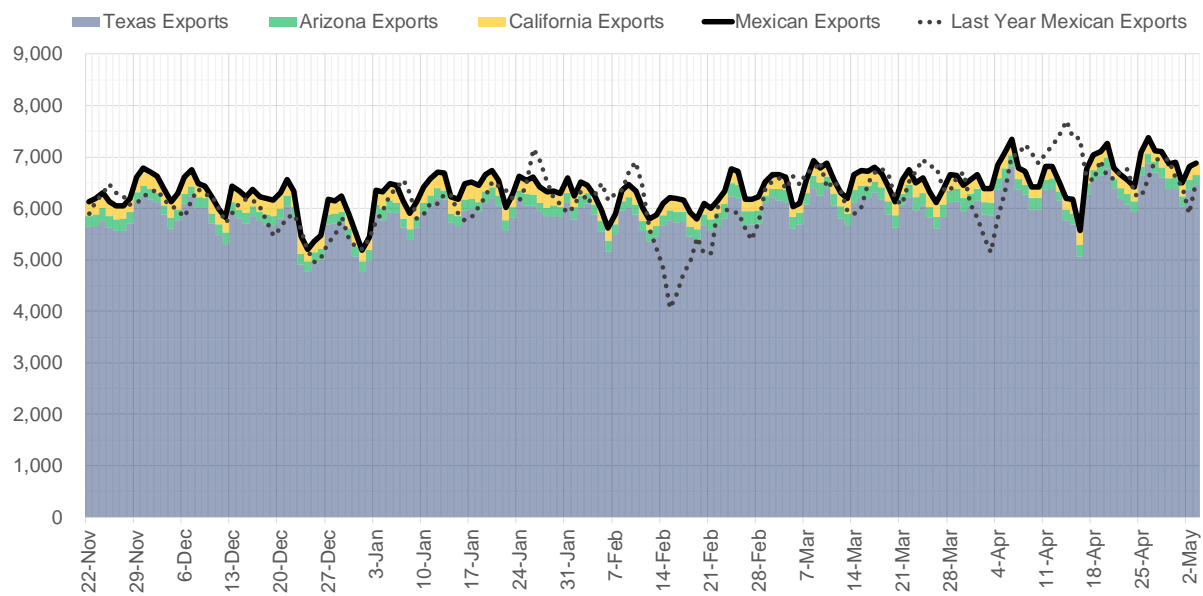
## Supply – Demand Trends



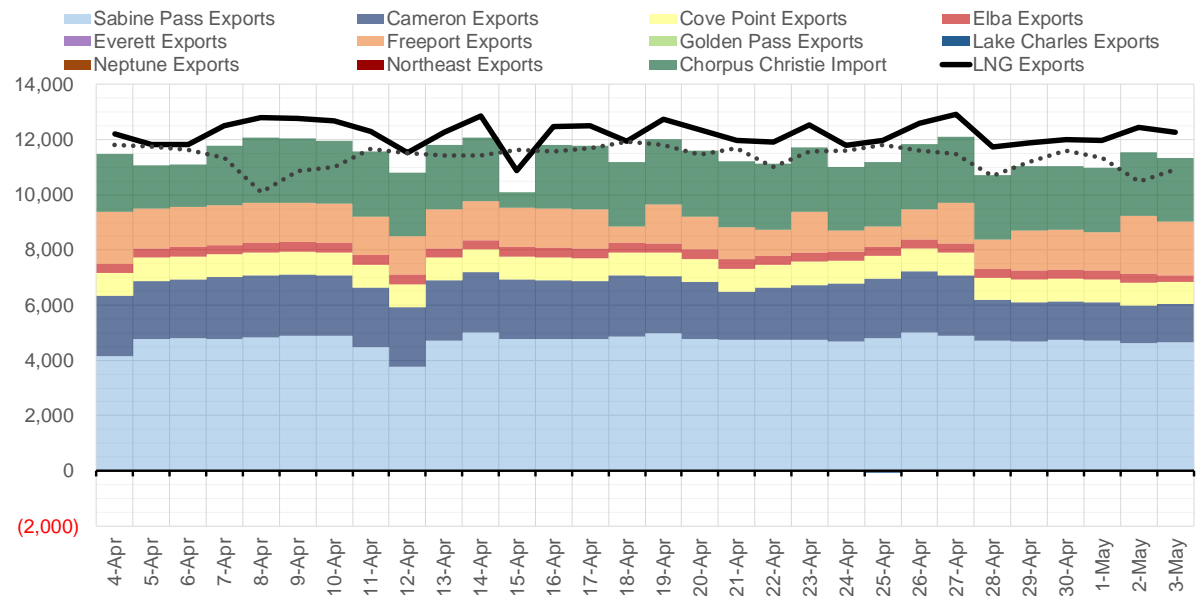
Source: Bloomberg

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.

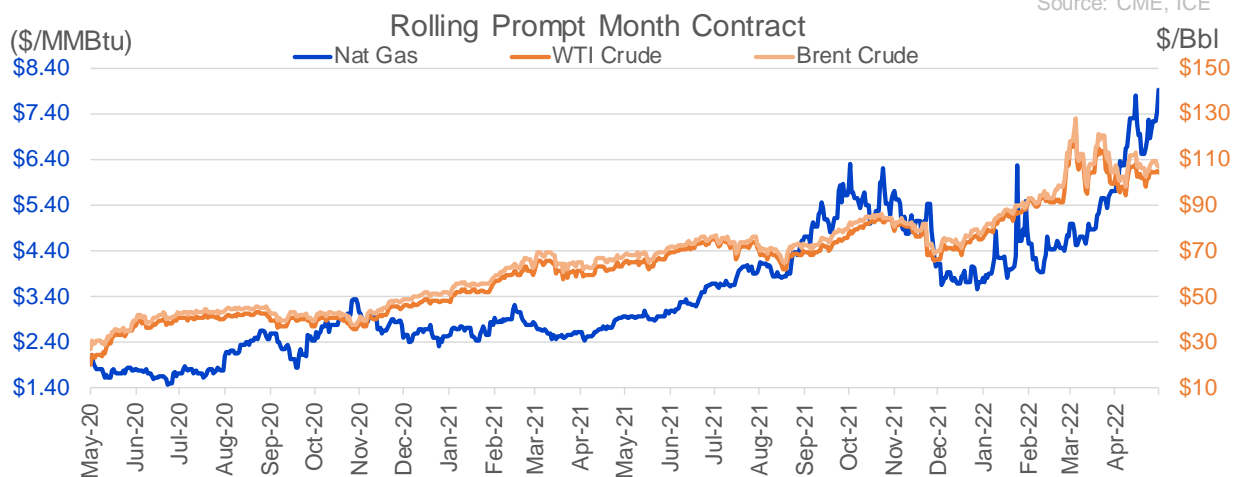
### Nat Gas Options Volume and Open Interest CME and ICE Combined

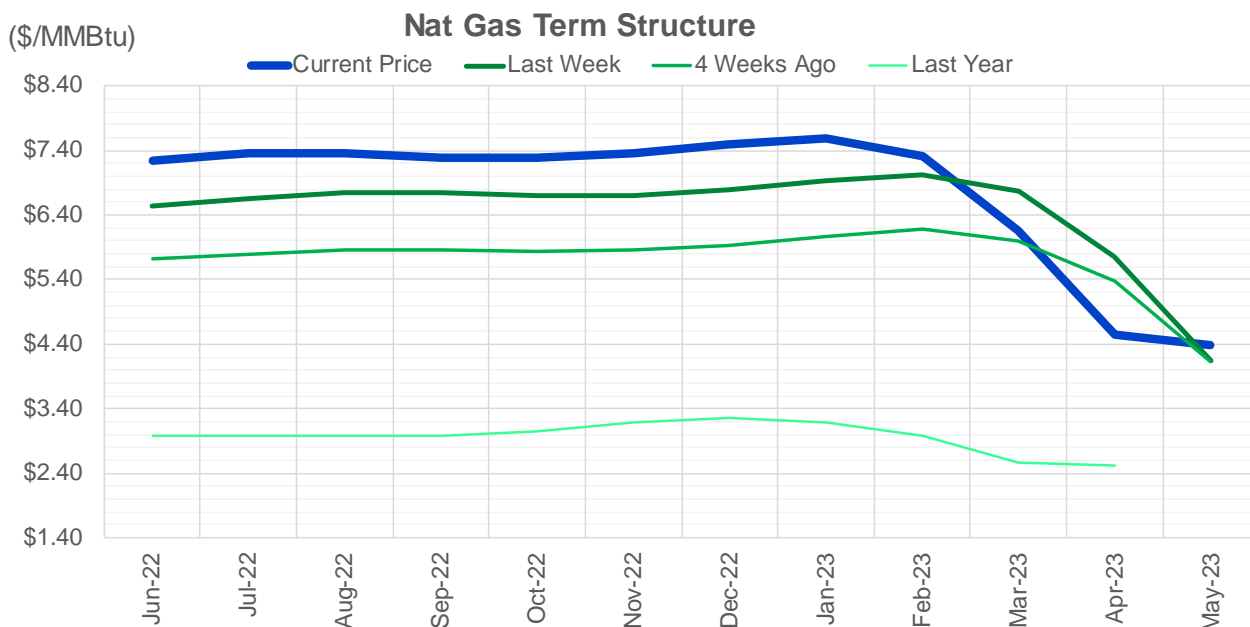
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
6	2022	P	6.00	4729	8	2022	C	10.00	50939
8	2022	P	5.50	2300	8	2022	C	10.50	44026
6	2022	P	5.50	2281	10	2022	C	6.00	34934
6	2022	C	8.50	1974	6	2022	C	6.00	25650
6	2022	C	8.75	1951	10	2022	C	5.00	25550
7	2022	C	10.00	1631	9	2022	C	6.00	23730
8	2022	C	10.00	1627	10	2022	P	3.00	21535
8	2022	P	6.00	1503	7	2022	C	8.00	21419
7	2022	C	9.00	1487	6	2022	P	4.00	20139
10	2022	P	6.00	1404	6	2022	C	7.00	19701
8	2022	P	5.00	1303	8	2022	C	6.00	19666
6	2022	C	7.75	1268	7	2022	C	6.00	19108
9	2022	P	5.00	1250	12	2022	C	5.00	18421
4	2023	C	6.00	1220	10	2022	P	3.50	18412
5	2023	C	6.00	1220	9	2022	C	10.00	18334
6	2023	C	6.00	1220	8	2022	C	7.00	18115
7	2023	C	6.00	1220	6	2022	P	4.75	18014
8	2023	C	6.00	1220	9	2022	C	7.00	17920
9	2023	C	6.00	1220	6	2022	P	6.00	17916
10	2023	C	6.00	1220	6	2022	C	5.00	17862
6	2022	P	6.50	1217	7	2022	C	7.00	17772
1	2023	C	50.00	1150	7	2022	P	3.25	17645
2	2023	C	50.00	1150	10	2022	P	2.50	17436
3	2023	C	50.00	1150	7	2022	C	10.00	17301
6	2022	C	10.00	1131	6	2022	P	3.00	17223
6	2022	P	7.00	1130	6	2022	C	10.00	17167
6	2022	P	6.25	1127	6	2022	P	5.50	16801
7	2022	P	7.00	1127	10	2022	P	4.00	16415
8	2022	C	9.00	1040	6	2022	P	3.50	15978
7	2022	P	7.50	1037	2	2023	C	10.00	15699
10	2022	C	9.00	1034	1	2023	C	10.00	15660
7	2022	C	11.00	1012	7	2022	P	5.00	15458
9	2022	P	4.00	1000	9	2022	P	2.50	15291
1	2023	P	5.00	1000	5	2023	P	2.00	15236
6	2022	P	5.00	957	11	2022	P	4.00	15171
6	2022	C	7.50	930	9	2022	P	2.75	14933
10	2022	P	4.00	900	7	2022	P	3.50	14931
6	2022	C	12.00	853	10	2022	P	6.00	14900
7	2022	C	8.00	824	6	2022	C	9.00	14899
8	2022	C	8.00	814	8	2022	C	9.00	14813
3	2023	C	6.00	758	10	2022	P	2.00	14664
10	2022	P	4.50	751	7	2022	P	3.00	14500
6	2022	C	7.00	707	8	2022	P	3.00	14453
6	2022	C	6.00	690	6	2022	P	5.00	14344
8	2022	C	8.50	660	9	2022	P	3.00	14341
1	2023	P	4.00	644	6	2022	P	3.75	14279
6	2022	C	8.25	641	10	2022	P	3.25	14249
4	2023	P	3.50	620	7	2022	C	9.00	14084
5	2023	P	3.50	620	10	2022	C	8.00	13967
					12	2022	C	6	13951

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
JUN 22	125655	127029	-1374	JUN 22	83603	81500	2103
JUL 22	169747	166270	3477	JUL 22	75388	75065	323
AUG 22	63514	66102	-2588	AUG 22	61891	61834	56
SEP 22	87137	86884	253	SEP 22	67202	66976	226
OCT 22	94709	96317	-1608	OCT 22	76260	75849	411
NOV 22	44840	45025	-185	NOV 22	58531	58098	433
DEC 22	47595	47657	-62	DEC 22	62351	62272	80
JAN 23	62997	62972	25	JAN 23	65202	65160	42
FEB 23	25668	25877	-209	FEB 23	52901	52897	4
MAR 23	38547	38157	390	MAR 23	54435	53841	595
APR 23	57660	58041	-381	APR 23	52209	52036	173
MAY 23	58956	59016	-60	MAY 23	47775	47789	-14
JUN 23	23404	23008	396	JUN 23	43419	43362	57
JUL 23	19161	18989	172	JUL 23	42969	42905	64
AUG 23	13617	13660	-43	AUG 23	42909	42864	45
SEP 23	17860	17890	-30	SEP 23	42277	42086	191
OCT 23	33100	33103	-3	OCT 23	49809	49705	105
NOV 23	12429	12334	95	NOV 23	43018	42967	51
DEC 23	14295	13914	381	DEC 23	39272	39470	-198
JAN 24	20641	20978	-337	JAN 24	36702	37268	-566
FEB 24	5771	5815	-44	FEB 24	25442	25469	-27
MAR 24	15154	14753	401	MAR 24	30402	30970	-568
APR 24	11008	10758	250	APR 24	25708	24550	1157
MAY 24	6410	6417	-7	MAY 24	25293	25310	-16
JUN 24	1861	1860	1	JUN 24	21794	21734	60
JUL 24	1949	1940	9	JUL 24	21928	22154	-227
AUG 24	3143	3142	1	AUG 24	22340	22371	-31
SEP 24	1421	1421	0	SEP 24	21431	21454	-23
OCT 24	6643	6625	18	OCT 24	23766	23314	452
NOV 24	4839	4817	22	NOV 24	22120	22151	-30





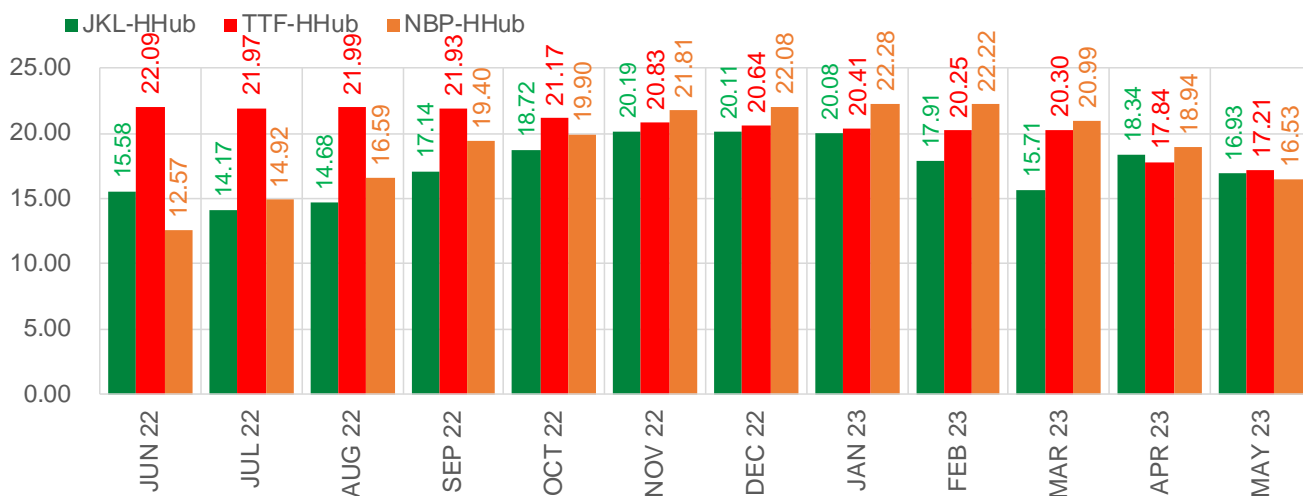
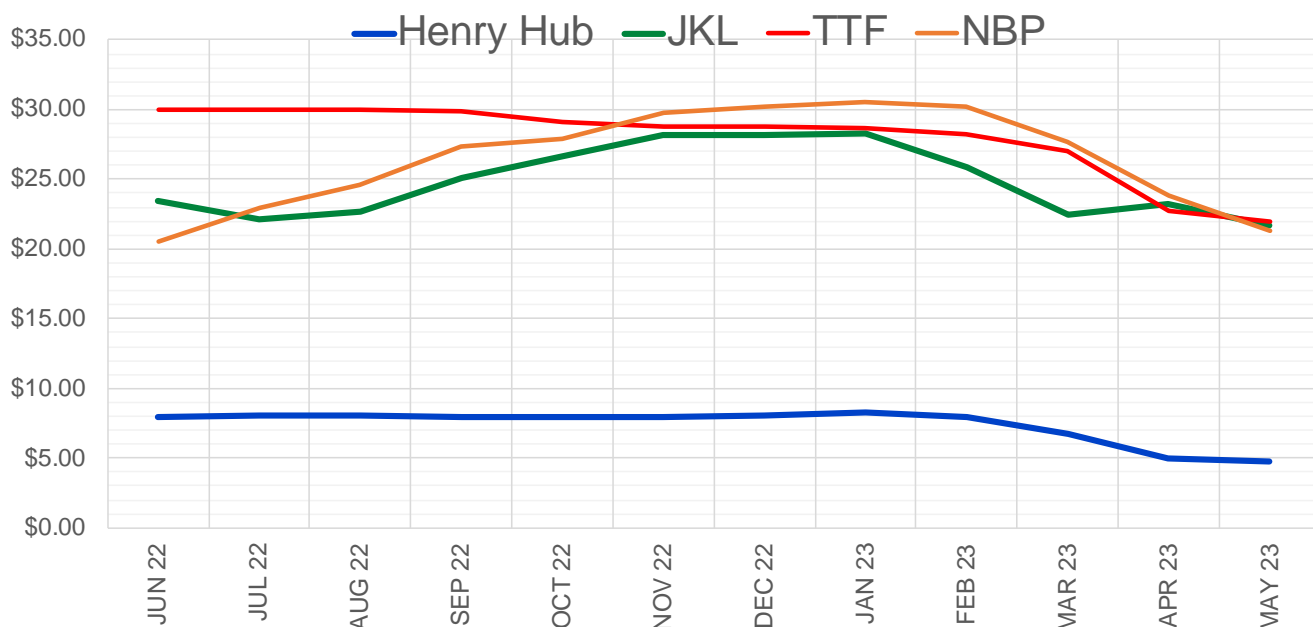
	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
<b>Current Price</b>	\$7.244	\$7.355	\$7.354	\$7.299	\$7.299	\$7.358	\$7.493	\$7.600	\$7.320	\$6.166	\$4.538	\$4.393
Last Week	\$6.534	\$6.663	\$6.753	\$6.754	\$6.702	\$6.713	\$6.788	\$6.939	\$7.034	\$6.776	\$5.747	\$4.149
vs. Last Week	\$0.710	\$0.692	\$0.601	\$0.545	\$0.597	\$0.645	\$0.705	\$0.661	\$0.286	-\$0.610	-\$1.209	\$0.244
4 Weeks Ago	\$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. 4 Weeks Ago	\$1.524	\$1.560	\$1.497	\$1.439	\$1.461	\$1.507	\$1.569	\$1.524	\$1.148	\$0.178	-\$0.836	\$0.271
Last Year	\$2.931	\$2.978	\$2.989	\$2.972	\$2.987	\$3.048	\$3.175	\$3.259	\$3.184	\$2.980	\$2.574	\$2.521
vs. Last Year	\$4.313	\$4.377	\$4.365	\$4.327	\$4.312	\$4.310	\$4.318	\$4.341	\$4.136	\$3.186	\$1.964	\$1.872

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	6.40	6.17	-0.23
TETCO M3	\$/MMBtu	6.83	5.98	-0.85
FGT Zone 3	\$/MMBtu	6.03	6.74	0.71
Zone 6 NY	\$/MMBtu	6.03	5.89	-0.14
Chicago Citygate	\$/MMBtu	7.28	6.53	-0.75
Michcon	\$/MMBtu	7.20	6.51	-0.69
Columbia TCO Pool	\$/MMBtu	6.82	6.06	-0.76
Ventura	\$/MMBtu	7.16	6.40	-0.76
Rockies/Opal	\$/MMBtu	7.20	6.20	-1.00
El Paso Permian Basin	\$/MMBtu	5.38	5.81	0.43
Socal Citygate	\$/MMBtu	7.14	6.35	-0.79
Malin	\$/MMBtu	6.55	6.32	-0.23
Houston Ship Channel	\$/MMBtu	7.23	6.55	-0.68
Henry Hub Cash	\$/MMBtu	7.29	6.35	-0.94
AECO Cash	C\$/GJ	6.07	4.51	-1.56
Station2 Cash	C\$/GJ	5.75	5.89	0.14
Dawn Cash	C\$/GJ	7.19	6.58	-0.61

Source: CME, Bloomberg

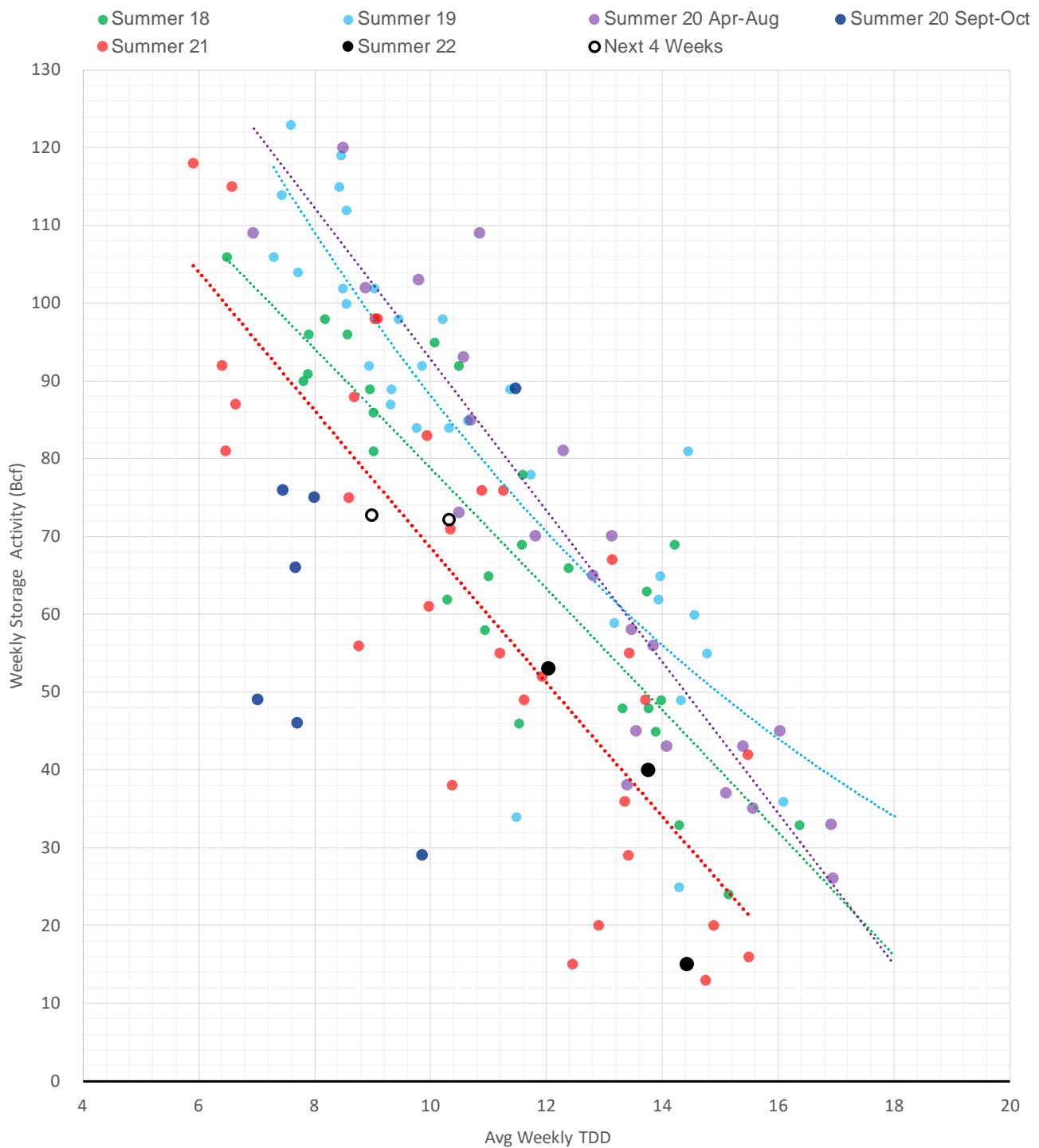
	Units	Current Price	vs. Last Week	vs. 4 Weeks Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 2.219
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.303
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -2.080
NatGas Apr22/Oct22	\$/MMBtu	2.170	▲ 0.654	▲ 1.639	▲ 2.150
WTI Crude	\$/Bbl	105.17	▲ 6.630	▲ 1.890	▲ 40.680
Brent Crude	\$/Bbl	107.58	▲ 5.260	▲ 0.050	▲ 40.020
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	420.49	▲ 11.400	▲ 65.880	▲ 225.300
Propane, Mt. Bel	cents/Gallon	1.28	▼ -0.019	▼ -0.081	▲ 0.477
Ethane, Mt. Bel	cents/Gallon	0.56	▲ 0.057	▲ 0.103	▲ 0.304
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)



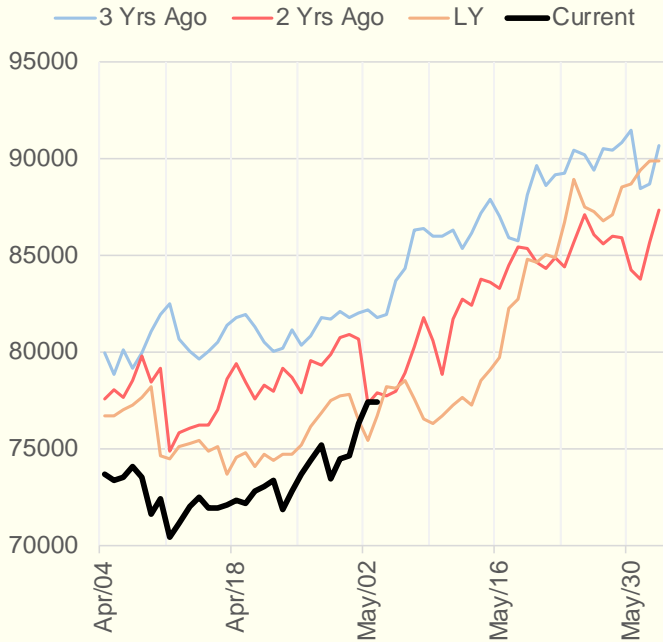
	JUN 22	JUL 22	AUG 22	SEP 22	OCT 22	NOV 22	DEC 22	JAN 23	FEB 23	MAR 23	APR 23	MAY 23
<b>Henry Hub</b>	\$7.919	\$8.009	\$8.002	\$7.945	\$7.945	\$7.968	\$8.105	\$8.242	\$7.959	\$6.725	\$4.928	\$4.774
<b>JKL</b>	\$23.500	\$22.175	\$22.685	\$25.080	\$26.660	\$28.155	\$28.215	\$28.325	\$25.865	\$22.435	\$23.265	\$21.705
<b>JKL-HHub</b>	\$15.581	\$14.166	\$14.683	\$17.135	\$18.715	\$20.187	\$20.110	\$20.083	\$17.906	\$15.710	\$18.337	\$16.931
<b>TTF</b>	\$30.005	\$29.977	\$29.994	\$29.874	\$29.116	\$28.797	\$28.744	\$28.650	\$28.213	\$27.020	\$22.770	\$21.987
<b>TTF-HHub</b>	\$22.086	\$21.968	\$21.992	\$21.929	\$21.171	\$20.829	\$20.639	\$20.408	\$20.254	\$20.295	\$17.842	\$17.213
<b>NBP</b>	\$20.493	\$22.933	\$24.593	\$27.342	\$27.848	\$29.774	\$30.187	\$30.524	\$30.176	\$27.713	\$23.870	\$21.305
<b>NBP-HHub</b>	\$12.574	\$14.924	\$16.591	\$19.397	\$19.903	\$21.806	\$22.082	\$22.282	\$22.217	\$20.988	\$18.942	\$16.531

### Weather Storage Model - Next 4 Week Forecast

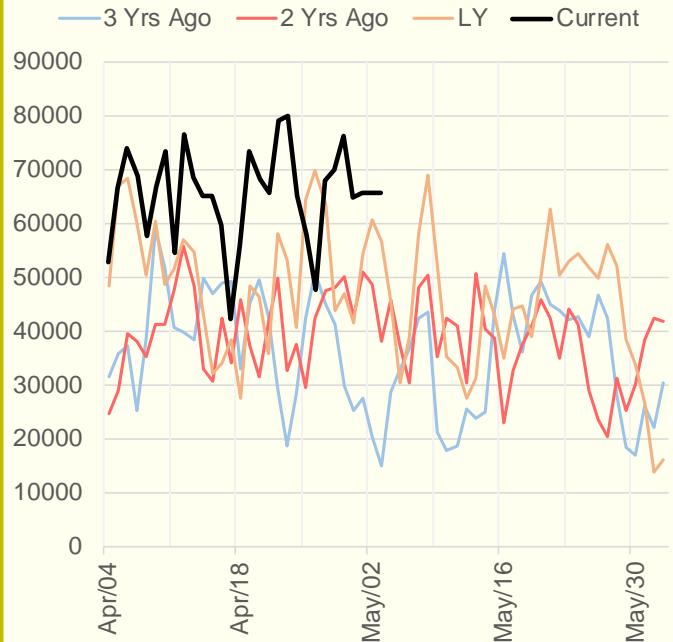




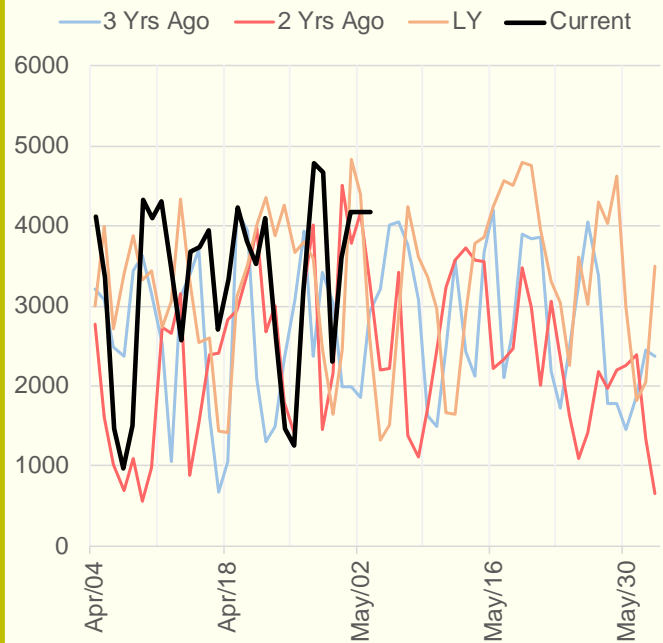
### NRC Nuclear Daily Output



### US Wind



### CALI Wind



### TEXAS Wind

