

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 8.53	▼ \$ (0.38)	▲ \$ 0.01

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 113.45	▼ \$ (0.64)	▲ \$ 1.4

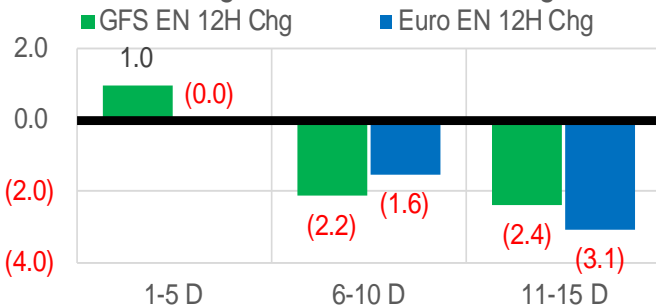
	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 117.09	▼ \$ (0.31)	▲ \$ 3.4

### Page Menu

- [Short-term Weather Model Outlooks](#)
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- [Supply – Demand Trends](#)
- [Nat Gas Options Volume and Open Interest](#)
- [Nat Gas Futures Open Interest](#)
- [Price Summary](#)

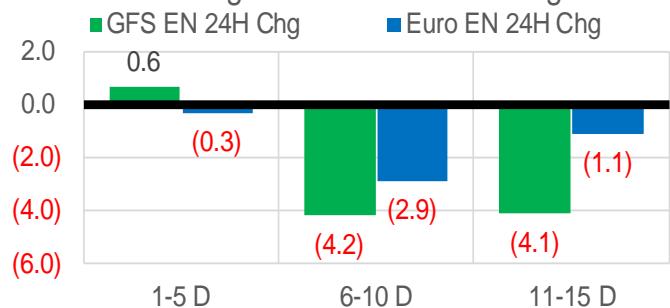
### Vs. 12H Ago

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	96.5	▲ 0.60	▲ 0.60

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	28.7	▼ -1.28	▼ -1.17

	Current	Δ from YD	Δ from 7D Avg
US ResComm	8.8	▼ -0.94	▼ -2.66

	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	4.7	▼ -0.06	▼ -0.20

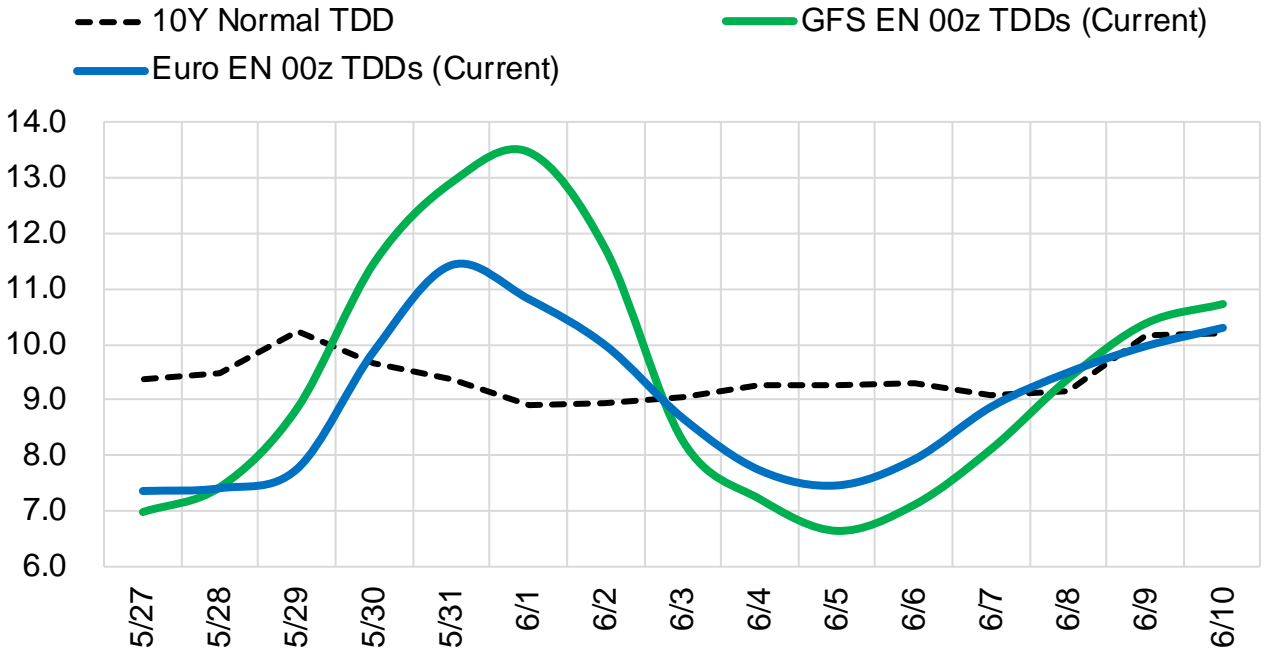
	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	13.3	▼ -0.04	▲ 0.27

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.5	▼ -0.56	▼ -0.49

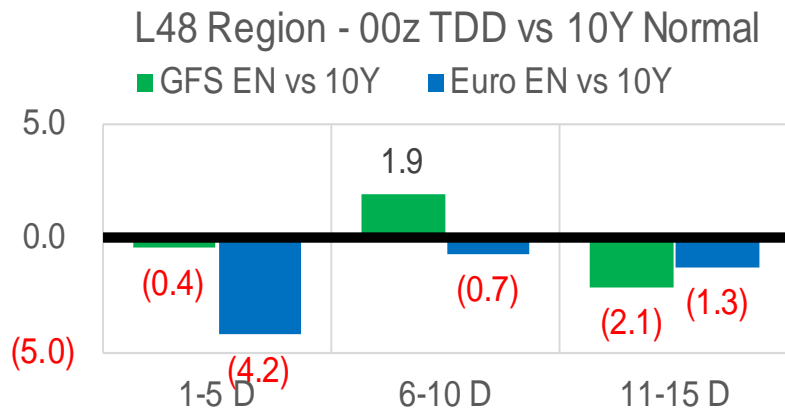
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### Short-term Weather Model Outlooks (00z)

#### L48 Region



### Vs. 10Y Normal



Source: WSI, Bloomberg

## Lower 48 Component Models

### Daily Balances

	21-May	22-May	23-May	24-May	25-May	26-May	27-May	DoD	vs. 7D
<b>Lower 48 Dry Production</b>	<b>96.1</b>	<b>96.2</b>	<b>96.3</b>	<b>95.3</b>	<b>95.5</b>	<b>95.9</b>	<b>96.5</b>	▲ 0.6	▲ 0.6
<b>Canadian Imports</b>	<b>5.1</b>	<b>5.1</b>	<b>4.8</b>	<b>4.8</b>	<b>4.6</b>	<b>4.7</b>	<b>4.7</b>	▼ -0.1	▼ -0.2
L48 Power	31.2	29.8	29.1	28.5	28.8	30.0	28.7	▼ -1.3	▼ -0.9
L48 Residential & Commercial	11.3	12.4	13.2	12.3	10.4	9.7	8.8	▼ -0.9	▼ -2.8
L48 Industrial	21.3	21.3	21.4	21.6	21.7	22.1	22.4	▲ 0.3	▲ 0.9
L48 Lease and Plant Fuel	5.2	5.2	5.2	5.2	5.2	5.2	5.2	▲ 0.0	▲ 0.0
L48 Pipeline Distribution	2.4	2.4	2.4	2.3	2.2	2.2	2.1	▼ -0.1	▼ -0.2
<b>L48 Regional Gas Consumption</b>	<b>71.3</b>	<b>71.0</b>	<b>71.2</b>	<b>69.9</b>	<b>68.3</b>	<b>69.2</b>	<b>67.2</b>	▼ -2.0	▼ -3.0
<b>Net LNG Delivered</b>	<b>13.18</b>	<b>13.06</b>	<b>13.17</b>	<b>11.95</b>	<b>13.31</b>	<b>13.35</b>	<b>13.31</b>	▼ 0.0	▲ 0.3
<b>Total Mexican Exports</b>	<b>6.9</b>	<b>6.5</b>	<b>6.8</b>	<b>7.1</b>	<b>7.2</b>	<b>7.0</b>	<b>6.5</b>	▼ -0.6	▼ -0.5
Implied Daily Storage Activity	9.8	10.7	9.9	11.2	11.3	11.1	14.2		
EIA Reported Daily Storage Activity									
Daily Model Error									

### EIA Storage Week Balances

	22-Apr	29-Apr	6-May	13-May	20-May	27-May	WoW	vs. 4W
<b>Lower 48 Dry Production</b>	<b>96.8</b>	<b>95.8</b>	<b>95.7</b>	<b>95.9</b>	<b>94.9</b>	<b>95.9</b>	▲ 1.0	▲ 0.3
<b>Canadian Imports</b>	<b>5.8</b>	<b>6.1</b>	<b>5.9</b>	<b>5.2</b>	<b>4.9</b>	<b>4.9</b>	▼ 0.0	▼ -0.7
L48 Power	25.1	24.9	26.2	26.8	30.4	29.9	▼ -0.5	▲ 2.8
L48 Residential & Commercial	24.1	18.5	16.6	14.2	9.9	11.4	▲ 1.6	▼ -3.4
L48 Industrial	21.8	22.0	21.6	21.3	21.6	21.5	▼ -0.1	▼ -0.1
L48 Lease and Plant Fuel	5.3	5.2	5.2	5.2	5.1	5.2	▲ 0.1	▲ 0.0
L48 Pipeline Distribution	2.7	2.4	2.4	2.3	2.3	2.3	▲ 0.1	▼ 0.0
<b>L48 Regional Gas Consumption</b>	<b>79.0</b>	<b>73.0</b>	<b>72.0</b>	<b>69.8</b>	<b>69.3</b>	<b>70.3</b>	▲ 1.0	▼ -0.7
<b>Net LNG Exports</b>	<b>12.1</b>	<b>12.2</b>	<b>12.2</b>	<b>12.2</b>	<b>12.2</b>	<b>13.0</b>	▲ 0.8	▲ 0.8
<b>Total Mexican Exports</b>	<b>6.7</b>	<b>6.9</b>	<b>6.9</b>	<b>7.0</b>	<b>7.0</b>	<b>7.0</b>	▼ 0.0	▼ 0.0
Implied Daily Storage Activity	4.7	9.8	10.6	12.0	11.3	10.5	-0.9	
EIA Reported Daily Storage Activity	5.7	11.0	10.9	12.7	11.4			
Daily Model Error	-1.0	-1.2	-0.3	-0.7	-0.1			

### 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>92.6</b>	<b>94.9</b>	<b>96.2</b>	<b>95.6</b>	▼ -0.6	▲ 2.6
<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>5.2</b>	▼ -0.7	▲ 0.7
L48 Power	26.9	26.5	31.5	28.9	25.6	24.8	28.7	▲ 3.9	▲ 2.2
L48 Residential & Commercial	12.8	12.8	49.1	44.4	30.7	22.2	12.7	▼ -9.5	▼ -0.1
L48 Industrial	19.4	20.9	24.7	22.5	21.8	22.0	21.5	▼ -0.5	▲ 0.6
L48 Lease and Plant Fuel	4.7	5.0	5.1	5.1	5.2	5.2	5.2	▼ -0.1	▲ 0.1
L48 Pipeline Distribution	2.2	2.2	3.8	3.6	2.9	2.6	2.3	▼ -0.2	▲ 0.1
<b>L48 Regional Gas Consumption</b>	<b>65.9</b>	<b>67.5</b>	<b>114.3</b>	<b>104.4</b>	<b>86.2</b>	<b>76.8</b>	<b>70.4</b>	▼ -6.3	▲ 3.0
<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>12.4</b>	▲ 0.2	▲ 1.6
<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>7.0</b>	▲ 0.2	▲ 0.2
Implied Daily Storage Activity	13.6	12.4	-32.9	-23.7	-5.5	6.2	10.9		
EIA Reported Daily Storage Activity									
Daily Model Error									

Source: Bloomberg, analytix.ai

## Daily Average Generation Data

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

	19-May	20-May	21-May	22-May	23-May	24-May	25-May	DoD	vs. 7D
NRC Nuclear Daily Output	83.9	85.2	84.6	85.2	84.5	83.1	83.2	0.2	-1.2
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	20.9	19.6	20.2	19.7	20.4	21.8	21.7	-0.2	1.2
NRC % Nuclear Cap Utilization	85.3	86.7	86.1	86.6	85.9	84.5	84.6	0.2	-1.2

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

	19-May	20-May	21-May	22-May	23-May	24-May	25-May	DoD	vs. 7D
CALI Wind	3953	4264	2430	3369	3554	1574	1508	-66	-1683
TEXAS Wind	18616	18899	20257	12626	12479	13490	13464	-26	-2597
US Wind	64658	70425	55599	39071	42707	44206	56894	12689	4117

### Generation Daily Average - MWh (EIA)

	19-May	20-May	21-May	22-May	23-May	24-May	25-May	DoD	vs. 7D
US Wind	64658	70425	55599	39071	42707	44206	56894	12689	4117
US Solar	19136	18318	17117	16384	16476	16388	16359	-29	-944
US Petroleum	258	352	608	558	316	432	478	46	57
US Other	7615	7936	8118	7643	7247	7032	7127	95	-472
US Coal	93594	94046	90231	87442	89618	88561	82232	-6329	-8350
US Nuke	87482	88870	88672	89020	87796	86890	87125	235	-997
US Hydro	33133	33298	32138	31030	32332	35021	34927	-94	2101
<b>US Gas</b>	<b>175736</b>	<b>169757</b>	<b>165201</b>	<b>154189</b>	<b>155800</b>	<b>155638</b>	<b>152237</b>	<b>-3401</b>	<b>-10483</b>

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Storage Week Average Generation Data

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

	22-Apr	29-Apr	6-May	13-May	20-May	27-May	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	72.3	73.5	76.7	79.3	81.7	84.2	2.5	-0.5
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	32.6	31.4	28.2	25.5	23.2	20.6	-2.5	
NRC % Nuclear Cap Utilization	73.5	74.8	78.0	80.7	83.1	85.7	2.6	

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

	22-Apr	29-Apr	6-May	13-May	20-May	27-May	WoW	WoW Bcf/d Impact
CALI Wind	3613	3153	2929	3983	3452	2601	-851	0.2
TEXAS Wind	15612	18327	16902	17705	15706	14954	-752	0.1
US Wind	61570	66986	57243	64974	50250	52257	2007	-0.4
							4%	
						0.0		

### Generation Weekly Average - MWh (EIA)

	22-Apr	29-Apr	6-May	13-May	20-May	27-May	WoW	WoW Bcf/d Impact
						est.		
US Wind	61570	66986	57243	64974	50250	52257	2007	-0.4
US Solar	15897	16968	17033	18000	19540	16772	-2768	0.5
US Petroleum	984	992	931	341	262	460	199	0.0
US Other	7544	7717	7525	7615	7843	7461	-381	0.1
US Coal	79575	77533	78898	81273	88922	87766	-1156	0.2
US Nuke	76478	77438	80545	83391	85510	87928	2419	-0.4
US Hydro	28355	26721	26825	28968	31960	33382	1422	-0.3
<b>US Gas</b>	<b>133401</b>	<b>131482</b>	<b>145738</b>	<b>148473</b>	<b>172127</b>	<b>157866</b>	<b>-14261</b>	<b>-2.6</b>

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

## Monthly Average Generation Data

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

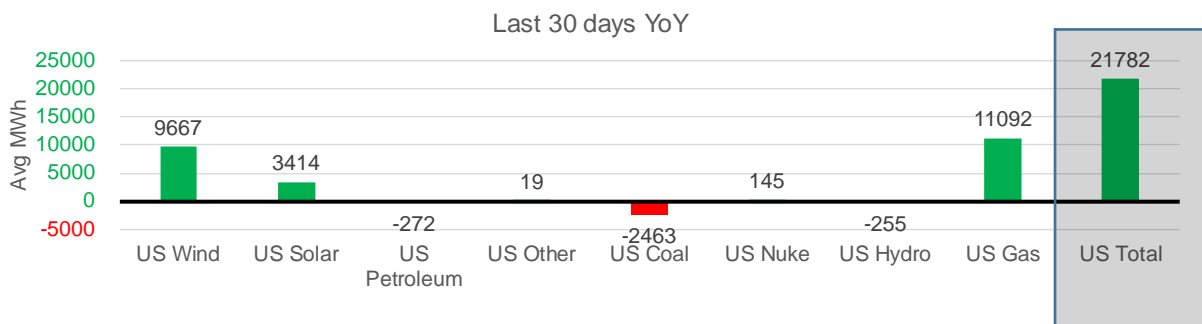
	2Yr Ago	LY	MTD				Last 30 days	Last 30 days YoY
	Same 30 days	Same 30 days	Feb-22	Mar-22	Apr-22	May-22		
NRC Nuclear Daily Output	82.3	80.5	87.3	81.3	73.3	81.0	80.4	-0.1
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	104.9	0.0
NRC Nuclear Outage	22.6	24.4	17.5	23.6	31.6	23.8	24.5	0.1
NRC % Nuclear Cap Utilization	83.7	81.9	88.8	82.7	74.5	82.4	81.7	-0.1

### 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	2625	3285	1495	2250	3186	3198	3232	-54
TEXAS Wind	11113	12347	11750	14837	16311	16132	16381	4034
US Wind	39555	47011	54543	58528	64183	55082	56679	9667

### 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	39555	47011	54543	58528	64183	55082	56679	▲ 9667
US Solar	11315	14378	12442	14058	16208	17817	17792	▲ 3414
US Petroleum	764	788	1331	985	985	466	516	▼ -272
US Other	8227	7567	8632	7206	7386	7624	7586	▲ 19
US Coal	60052	86420	105631	82291	77545	85032	83957	▼ -2463
US Nuke	86197	84085	92027	85256	77217	84852	84231	▲ 145
US Hydro	37350	30614	32284	33959	29022	30789	30359	▼ -255
<b>US Gas</b>	<b>140154</b>	<b>144029</b>	<b>153733</b>	<b>137232</b>	<b>133068</b>	<b>158022</b>	<b>155121</b>	<b>▲ 11092</b>
<b>US Total</b>	<b>382423</b>	<b>415273</b>	<b>461069</b>	<b>419842</b>	<b>406184</b>	<b>440503</b>	<b>437055</b>	<b>▲ 21782</b>



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

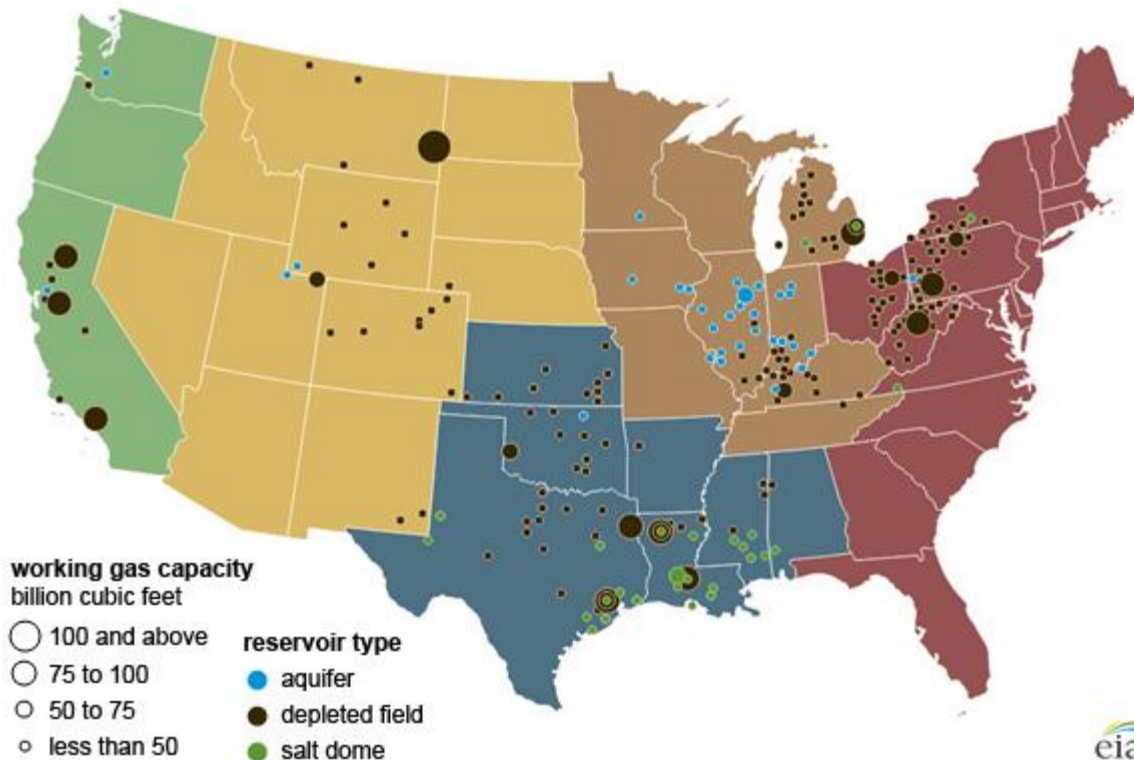
### Regional S/D Models Storage Projection

Week Ending 27-May

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	11.3	-0.3	11.1	78
East	2.2	2.5	4.7	33
Midwest	4.6	-0.9	3.7	26
Mountain	4.2	-3.8	0.4	3
South Central	-1.2	2.7	1.4	10
Pacific	1.6	-0.7	0.9	6

\*Adjustment Factor is calculated based on historical regional deltas

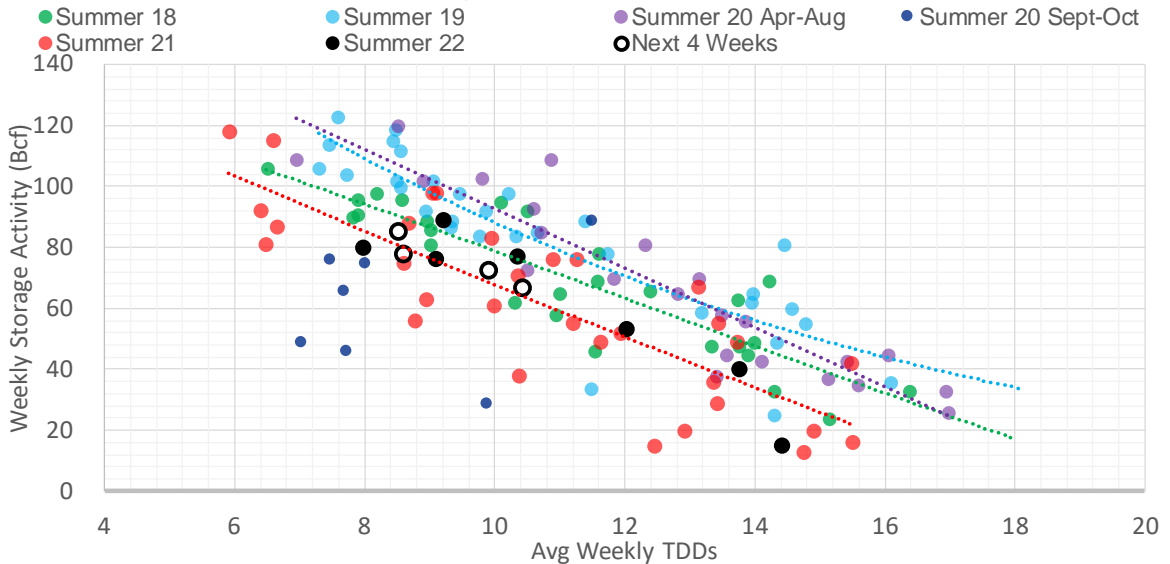
U.S. underground natural gas storage facilities by type (July 2015)



### Weather Model Storage Projection

Next report and beyond		
Week Ending	TDDs	Week Storage Projection
27-May	8.6	78
03-Jun	9.9	72
10-Jun	8.5	85
17-Jun	10.4	67

### Weather Storage Model - Next 4 Week Forecast

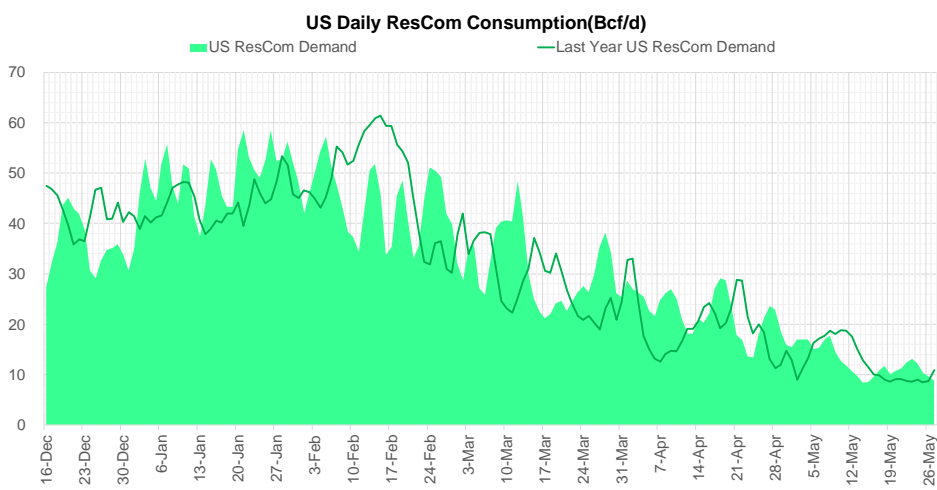
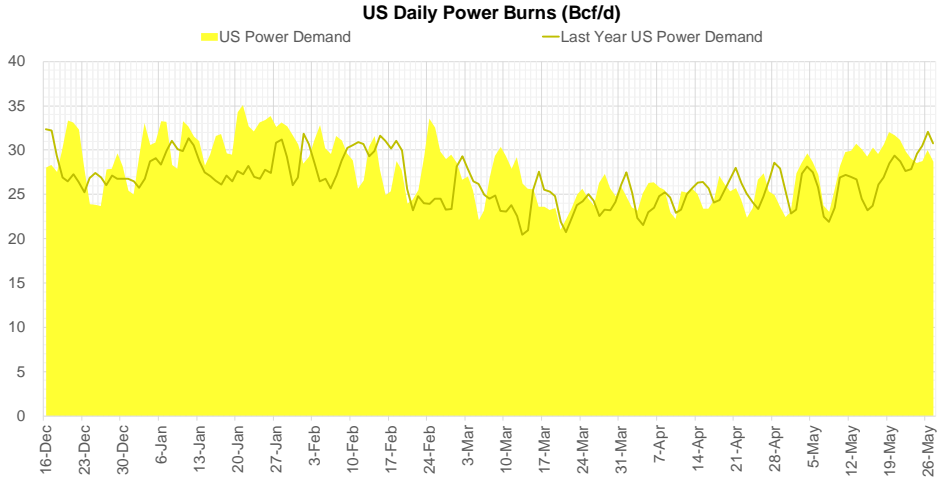
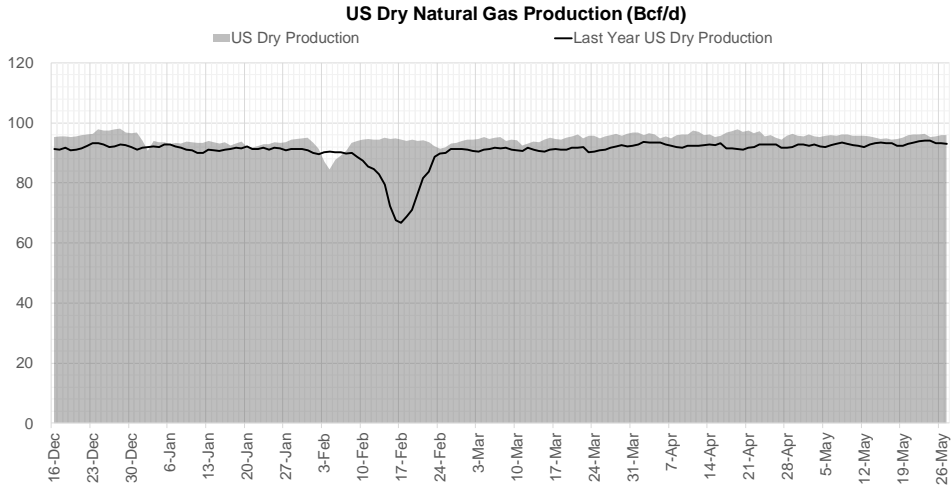


Go to larger image



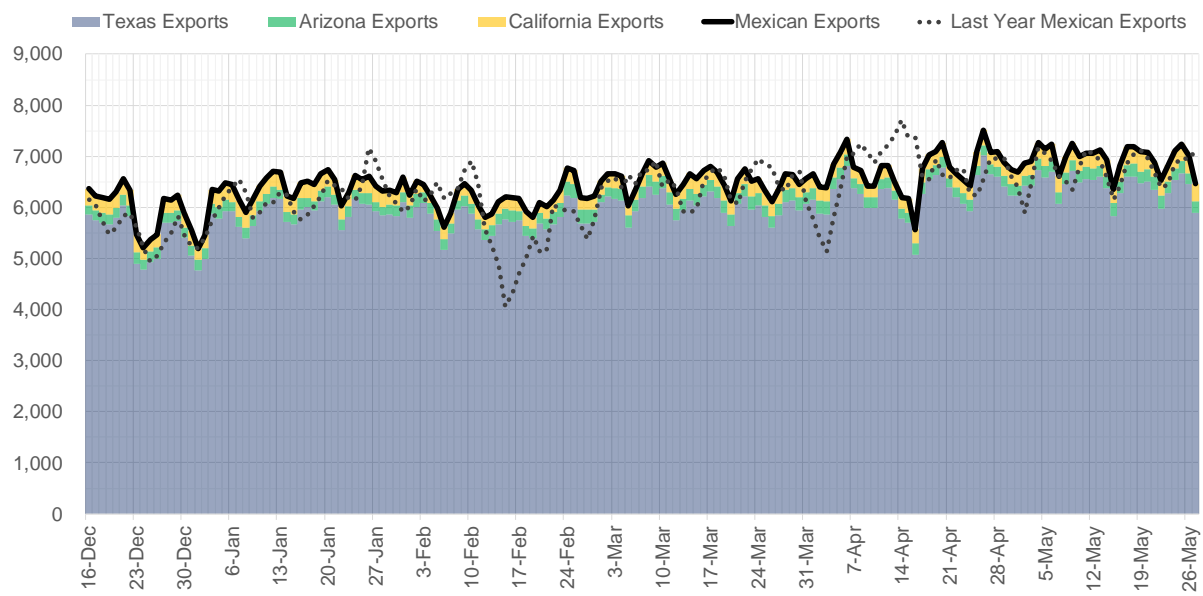


## Supply – Demand Trends

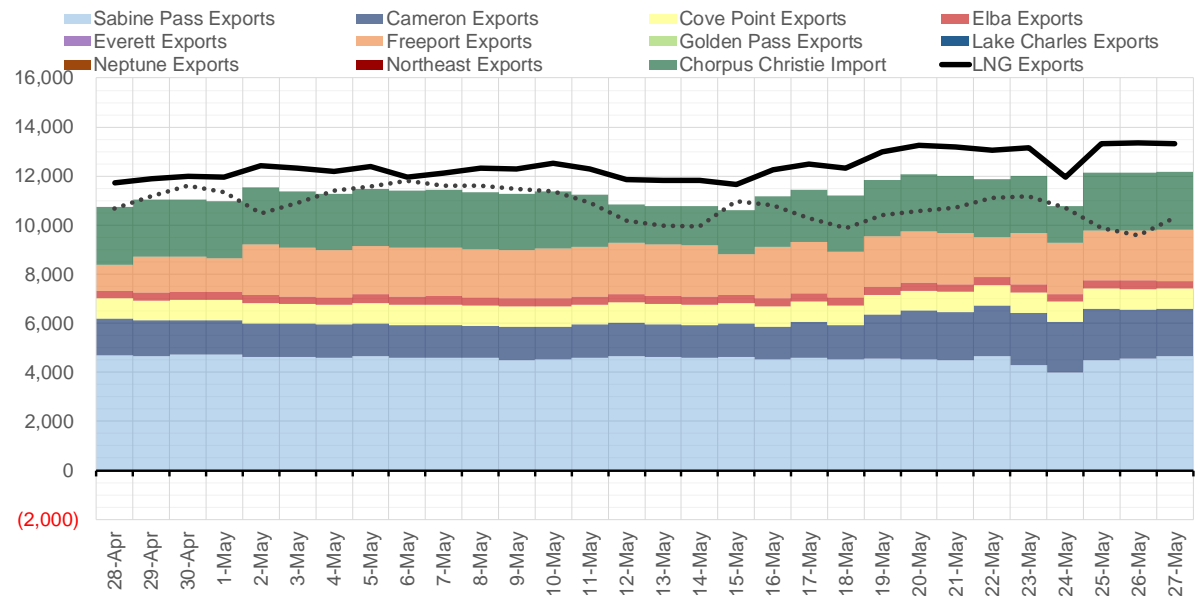


Source: Bloomberg

### 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

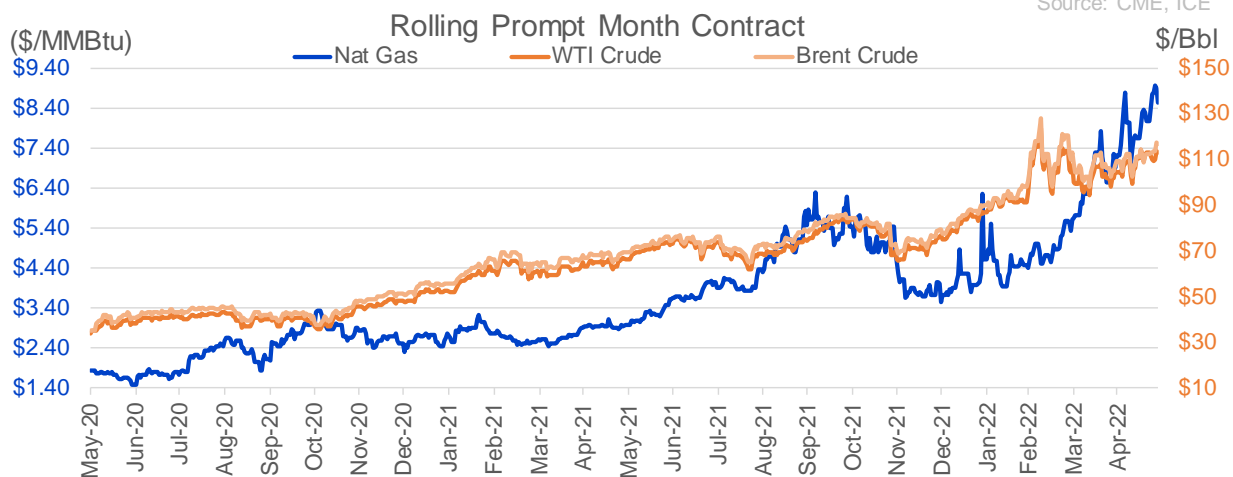
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
8	2022	P	7.00	5916	8	2022	C	10.00	49176
7	2022	P	7.50	4962	8	2022	C	10.50	37807
7	2022	C	11.00	4924	10	2022	C	6.00	35395
7	2022	C	10.00	4573	7	2022	C	11.00	28398
8	2022	C	18.00	4313	8	2022	C	12.00	28067
7	2022	P	8.00	4213	10	2022	C	5.00	24089
7	2022	P	7.00	4065	9	2022	C	6.00	23663
3	2023	C	20.00	4001	7	2022	C	10.00	21126
3	2023	C	20.50	4000	10	2022	P	3.00	21052
8	2022	C	10.00	3693	7	2022	C	9.00	20809
7	2022	C	14.00	3347	10	2022	P	6.00	20597
8	2022	P	6.50	3271	10	2022	P	3.50	20474
7	2022	C	20.00	2755	9	2022	C	10.00	20275
7	2022	P	6.50	2664	8	2022	C	12.10	20001
7	2022	C	12.00	2566	7	2022	C	11.10	20000
8	2022	C	12.00	2354	10	2022	P	2.50	19868
10	2022	C	15.00	2070	8	2022	C	6.00	19483
9	2022	C	12.00	1682	7	2022	C	6.00	18942
8	2022	P	6.00	1674	8	2022	C	7.00	18255
11	2022	C	15.00	1550	12	2022	C	5.00	18221
11	2022	C	20.00	1550	7	2022	C	8.00	18147
8	2022	C	10.50	1411	9	2022	C	7.00	18091
7	2022	C	9.00	1407	7	2022	C	7.00	17662
7	2022	C	13.00	1399	10	2022	P	2.00	17558
7	2022	P	8.50	1361	7	2022	P	3.25	17344
7	2022	C	10.50	1331	8	2022	C	9.00	16997
7	2022	C	15.00	1246	10	2022	P	4.00	16901
8	2022	C	15.00	1200	7	2022	P	6.00	16666
8	2022	C	13.00	1163	5	2023	P	2.00	16336
9	2022	C	15.00	1146	1	2023	C	10.00	16330
9	2022	C	12.10	1000	2	2023	C	10.00	16024
9	2022	P	7.50	951	7	2022	P	5.00	15324
9	2022	P	6.80	950	9	2022	P	2.50	15291
8	2022	P	8.00	904	10	2022	P	3.25	14892
10	2022	C	20.00	904	9	2022	P	2.75	14883
3	2023	C	10.00	900	10	2022	C	10.00	14693
9	2022	C	10.00	893	7	2022	P	7.00	14654
10	2022	C	10.00	883	9	2022	P	3.00	14626
7	2022	C	10.10	852	3	2023	C	10.00	14611
4	2023	C	7.00	850	7	2022	P	3.50	14604
5	2023	C	7.00	850	10	2022	C	8.00	14556
6	2023	C	7.00	850	8	2022	P	3.00	14553
7	2023	C	7.00	850	11	2022	P	4.00	14494
8	2023	C	7.00	850	7	2022	P	3.00	14491
9	2023	C	7.00	850	8	2022	C	8.00	14380
10	2023	C	7.00	850	12	2022	C	6.00	13934
7	2022	P	8.25	847	10	2023	P	2.00	13680
10	2022	P	7.00	794	7	2022	P	4.00	13495
7	2022	C	11.50	752	7	2022	C	3.00	13231
					8	2022	C	3	13226

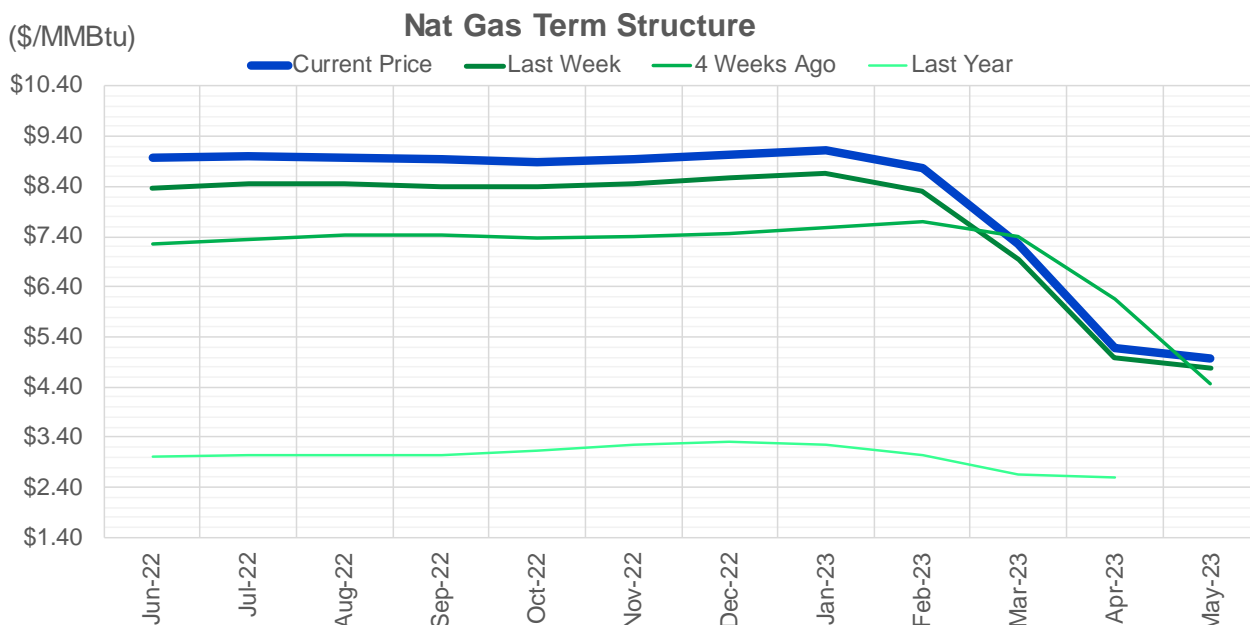
Source: CME, ICE

### 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
JUL 22	210179	211617	-1438	JUL 22	87447	84485	2962
AUG 22	67801	64681	3120	AUG 22	93141	90552	2589
SEP 22	104530	99575	4955	SEP 22	59659	60542	-883
OCT 22	92768	94643	-1875	OCT 22	64072	64482	-410
NOV 22	49558	49442	116	NOV 22	74227	74079	148
DEC 22	49644	50683	-1039	DEC 22	59011	59622	-611
JAN 23	64103	63946	157	JAN 23	61903	62741	-839
FEB 23	27745	28104	-359	FEB 23	64547	65054	-507
MAR 23	39069	39454	-385	MAR 23	55939	56546	-608
APR 23	59962	60503	-541	APR 23	54439	55269	-831
MAY 23	60969	60942	27	MAY 23	52353	52569	-216
JUN 23	26302	26510	-208	JUN 23	52280	52305	-25
JUL 23	23663	23592	71	JUL 23	45754	45336	418
AUG 23	15194	14918	276	AUG 23	43458	43530	-72
SEP 23	19082	18369	713	SEP 23	43568	43563	6
OCT 23	37924	37060	864	OCT 23	42431	42634	-204
NOV 23	12864	12894	-30	NOV 23	49392	49405	-13
DEC 23	14456	14592	-136	DEC 23	43583	43552	31
JAN 24	20036	20407	-371	JAN 24	39459	39381	79
FEB 24	6108	6099	9	FEB 24	39823	39412	411
MAR 24	13985	14136	-151	MAR 24	26628	26576	52
APR 24	12121	12147	-26	APR 24	31020	30934	86
MAY 24	6541	6509	32	MAY 24	27266	27216	50
JUN 24	1824	1782	42	JUN 24	26034	25950	83
JUL 24	2003	1962	41	JUL 24	22383	22309	75
AUG 24	2983	2942	41	AUG 24	22619	22484	135
SEP 24	1330	1332	-2	SEP 24	22654	22571	84
OCT 24	6847	6846	1	OCT 24	22034	21967	68
NOV 24	4459	4416	43	NOV 24	24838	24729	109
DEC 24	0	0	0	DEC 24	23162	23147	15





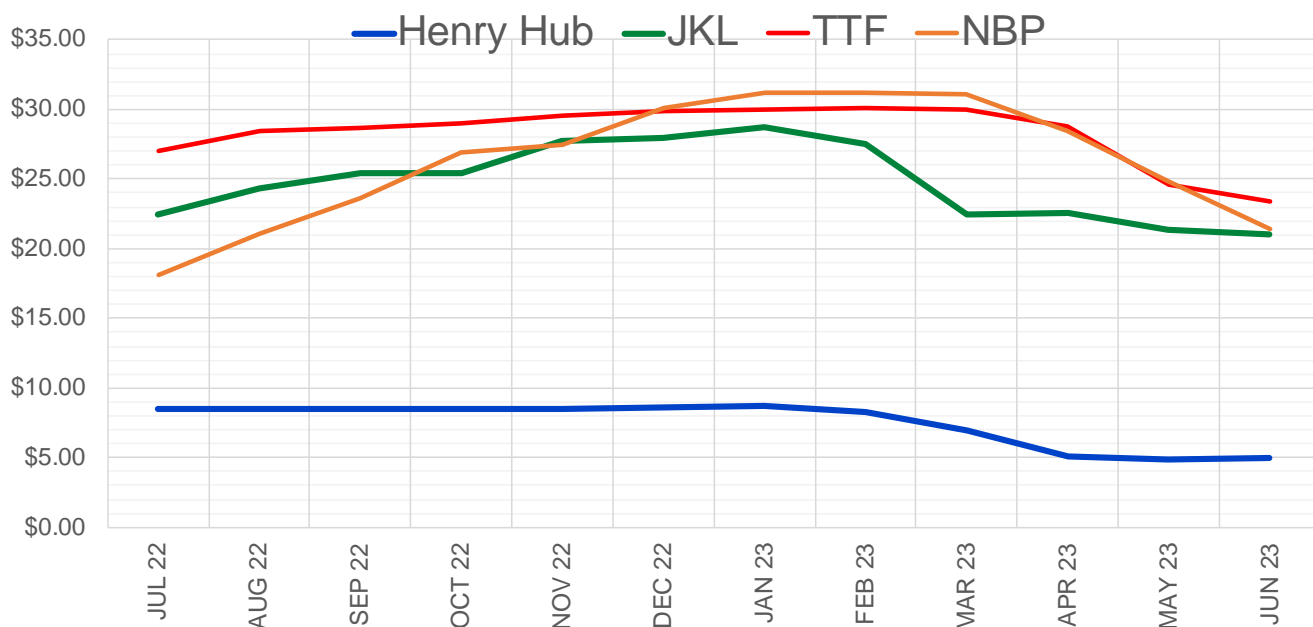
	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
<b>Current Price</b>	<b>\$8.971</b>	<b>\$8.993</b>	<b>\$8.972</b>	<b>\$8.929</b>	<b>\$8.898</b>	<b>\$8.936</b>	<b>\$9.032</b>	<b>\$9.125</b>	<b>\$8.773</b>	<b>\$7.257</b>	<b>\$5.178</b>	<b>\$4.969</b>
Last Week	\$8.368	\$8.455	\$8.444	\$8.402	\$8.383	\$8.441	\$8.559	\$8.655	\$8.306	\$6.955	\$4.977	\$4.788
vs. Last Week	\$0.603	\$0.538	\$0.528	\$0.527	\$0.515	\$0.495	\$0.473	\$0.470	\$0.467	\$0.302	\$0.201	\$0.181
4 Weeks Ago	\$7.267	\$7.339	\$7.436	\$7.435	\$7.385	\$7.387	\$7.456	\$7.589	\$7.692	\$7.405	\$6.165	\$4.470
vs. 4 Weeks Ago	\$1.704	\$1.654	\$1.536	\$1.494	\$1.513	\$1.549	\$1.576	\$1.536	\$1.081	-\$0.148	-\$0.987	\$0.499
Last Year	\$2.984	\$3.027	\$3.045	\$3.040	\$3.057	\$3.122	\$3.241	\$3.319	\$3.246	\$3.051	\$2.656	\$2.606
vs. Last Year	\$5.987	\$5.966	\$5.927	\$5.889	\$5.841	\$5.814	\$5.791	\$5.806	\$5.527	\$4.206	\$2.522	\$2.363

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	8.50	7.77	-0.73
TETCO M3	\$/MMBtu	8.22	7.47	-0.75
FGT Zone 3	\$/MMBtu	8.20	8.14	-0.06
Zone 6 NY	\$/MMBtu	8.20	7.38	-0.82
Chicago Citygate	\$/MMBtu	8.62	7.89	-0.73
Michcon	\$/MMBtu	8.60	7.89	-0.71
Columbia TCO Pool	\$/MMBtu	8.24	7.41	-0.83
Ventura	\$/MMBtu	8.80	7.73	-1.07
Rockies/Opal	\$/MMBtu	9.06	7.65	-1.41
El Paso Permian Basin	\$/MMBtu	8.65	7.45	-1.20
Socal Citygate	\$/MMBtu	9.75	8.25	-1.51
Malin	\$/MMBtu	8.80	7.83	-0.97
Houston Ship Channel	\$/MMBtu	8.94	7.99	-0.95
Henry Hub Cash	\$/MMBtu	9.39	7.78	-1.61
AECO Cash	C\$/GJ	6.11	5.65	-0.46
Station2 Cash	C\$/GJ	5.45	7.53	2.08
Dawn Cash	C\$/GJ	8.92	7.90	-1.02

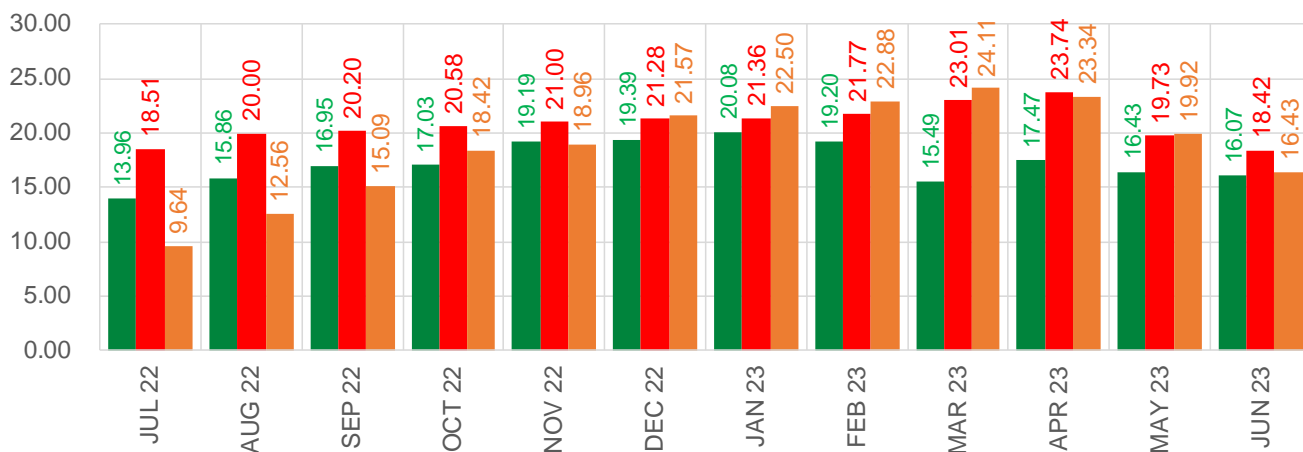
Source: CME, Bloomberg

	Units	Current Price	vs. Last Week	vs. 4 Weeks Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 2.191
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.295
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -2.086
NatGas Apr22/Oct22	\$/MMBtu	3.466	▲ 0.473	▲ 1.843	▲ 3.425
WTI Crude	\$/Bbl	114.09	▲ 1.880	▲ 8.730	▲ 47.240
Brent Crude	\$/Bbl	117.40	▲ 5.360	▲ 9.810	▲ 47.940
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	396.80	▲ 17.600	▼ -116.740	▲ 191.160
Propane, Mt. Bel	cents/Gallon	1.24	▲ 0.000	▼ -0.072	▲ 0.412
Ethane, Mt. Bel	cents/Gallon	0.60	▲ 0.006	▲ 0.093	▲ 0.341
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)

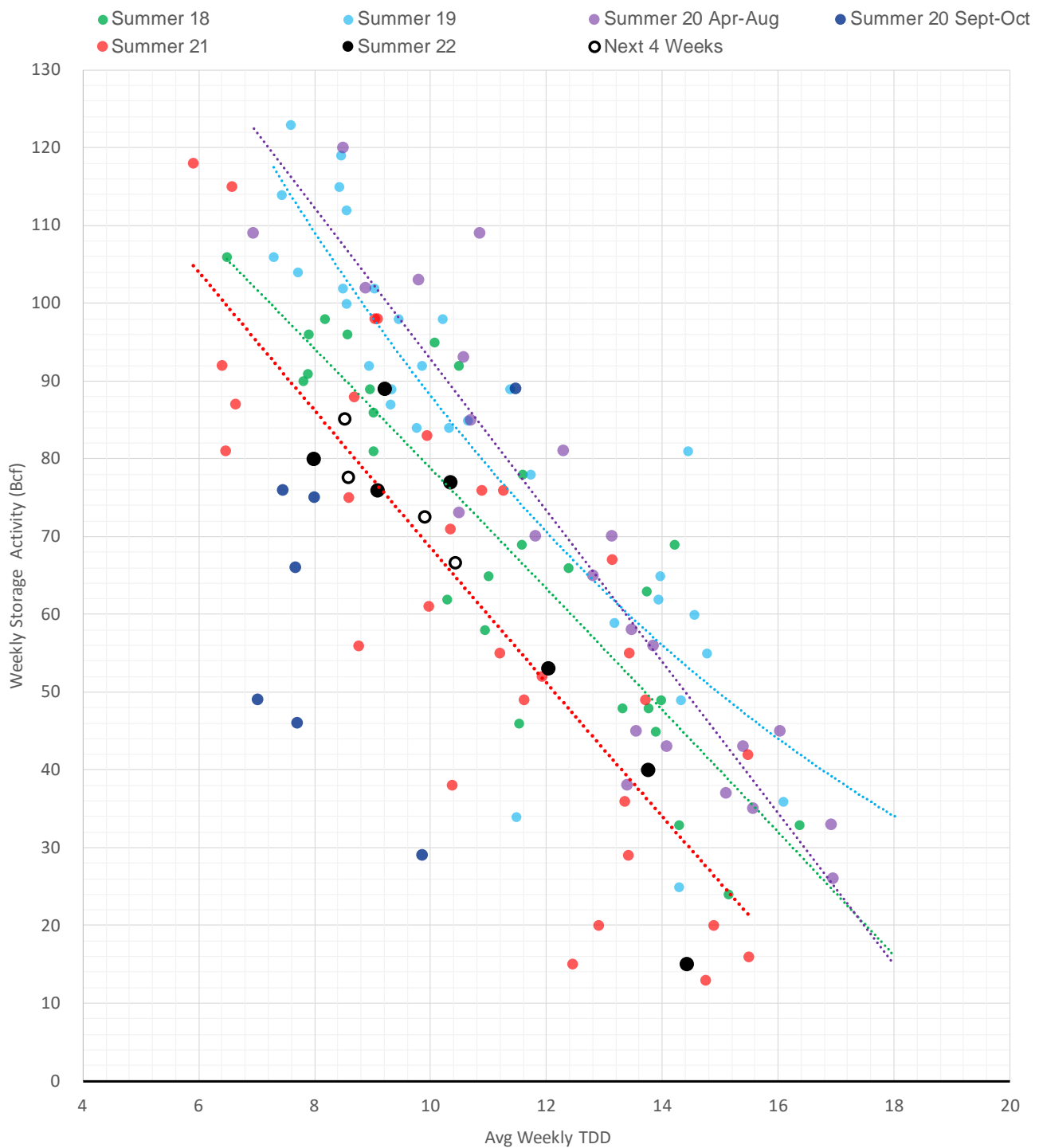


JKL-HHub TTF-HHub NBP-HHub



	JUL 22	AUG 22	SEP 22	OCT 22	NOV 22	DEC 22	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23
<b>Henry Hub</b>	\$8.530	\$8.506	\$8.473	\$8.450	\$8.501	\$8.563	\$8.661	\$8.321	\$6.927	\$5.079	\$4.888	\$5.009
<b>JKL</b>	\$22.485	\$24.370	\$25.425	\$25.480	\$27.695	\$27.955	\$28.740	\$27.520	\$22.415	\$22.545	\$21.315	\$21.080
<b>JKL-HHub</b>	\$13.955	\$15.864	\$16.952	\$17.030	\$19.194	\$19.392	\$20.079	\$19.199	\$15.488	\$17.466	\$16.427	\$16.071
<b>TTF</b>	\$27.044	\$28.503	\$28.672	\$29.031	\$29.500	\$29.846	\$30.022	\$30.087	\$29.937	\$28.819	\$24.616	\$23.430
<b>TTF-HHub</b>	\$18.514	\$19.997	\$20.199	\$20.581	\$20.999	\$21.283	\$21.361	\$21.766	\$23.010	\$23.740	\$19.728	\$18.421
<b>NBP</b>	\$18.165	\$21.062	\$23.562	\$26.872	\$27.460	\$30.130	\$31.156	\$31.203	\$31.040	\$28.419	\$24.803	\$21.440
<b>NBP-HHub</b>	\$9.635	\$12.556	\$15.089	\$18.422	\$18.959	\$21.567	\$22.495	\$22.882	\$24.113	\$23.340	\$19.915	\$16.431

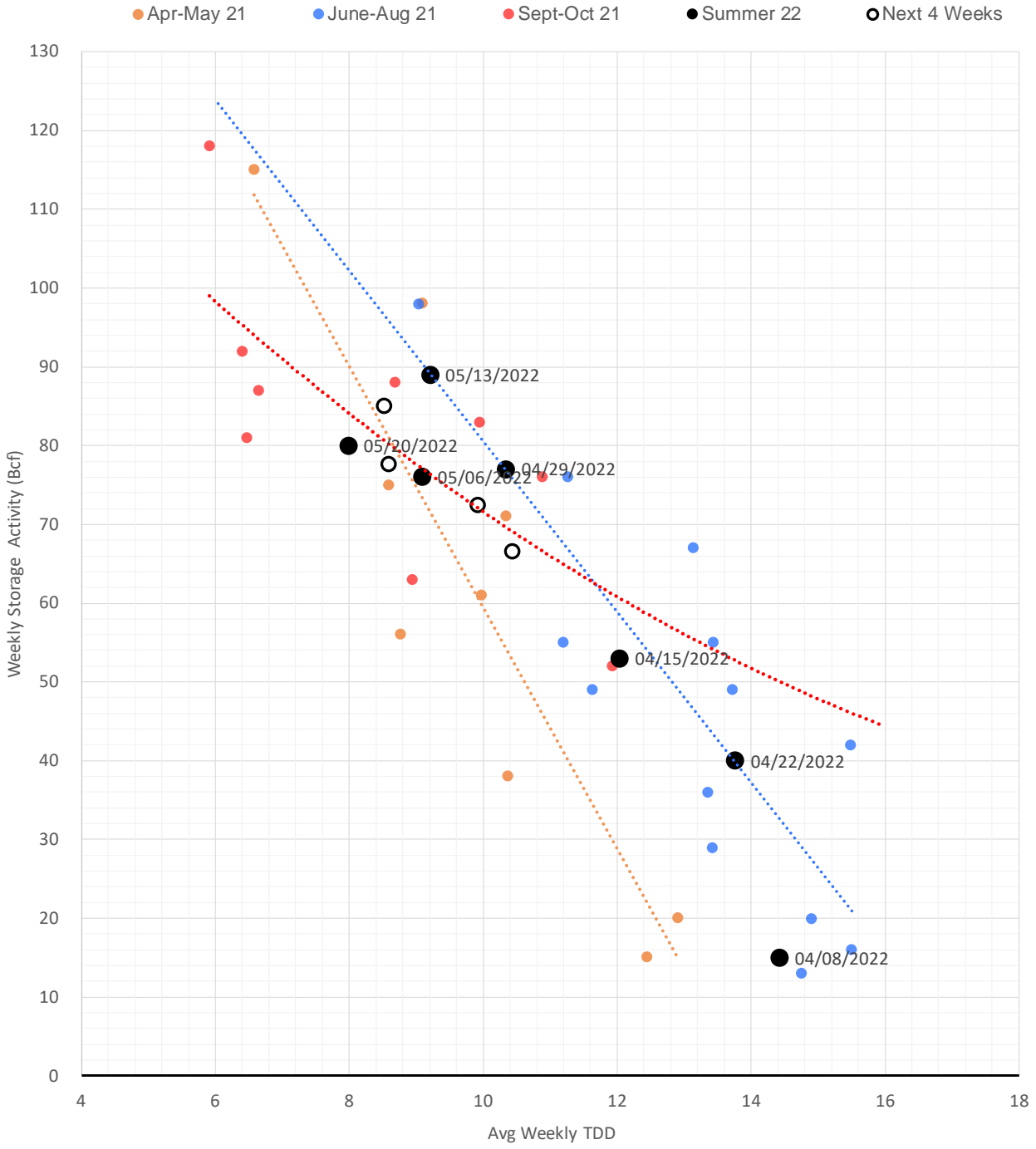
### Weather Storage Model - Next 4 Week Forecast



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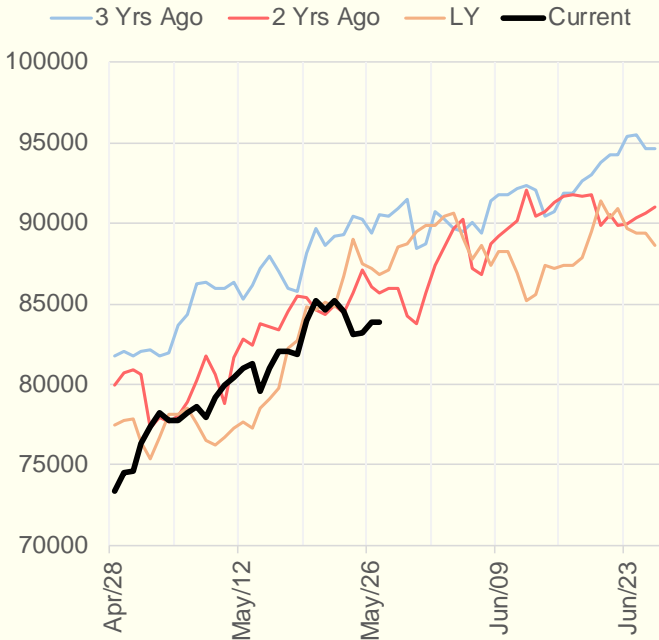


## Weather Storage Model for Summer 2021 & 2022

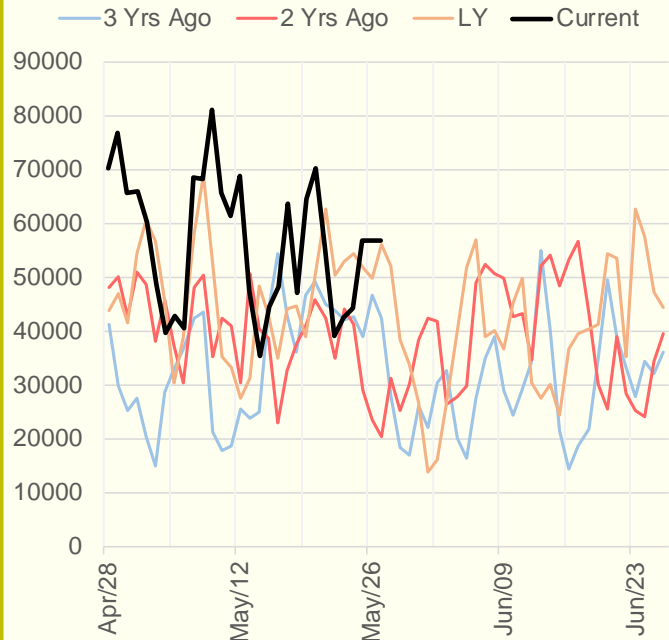


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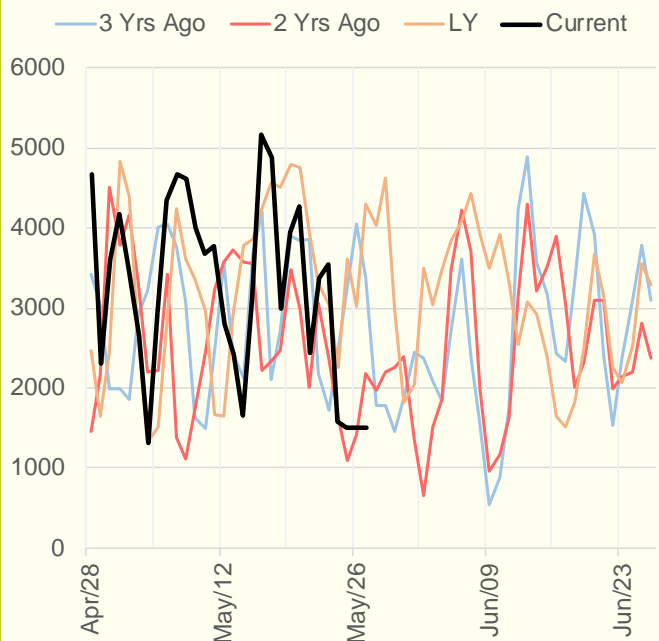
### NRC Nuclear Daily Output



### US Wind



### CALI Wind



### TEXAS Wind

