

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 7.92	▼ \$ (0.39)	▼ \$ (0.07)

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 112.80	▲ \$ 0.59	▲ \$ 1.4

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 112.83	▲ \$ 0.79	▲ \$ 1.1

Page Menu

[Short-term Weather Model Outlooks](#)

[Lower 48 Component Models](#)

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

[Weather Model Storage Projection](#)

[Supply – Demand Trends](#)

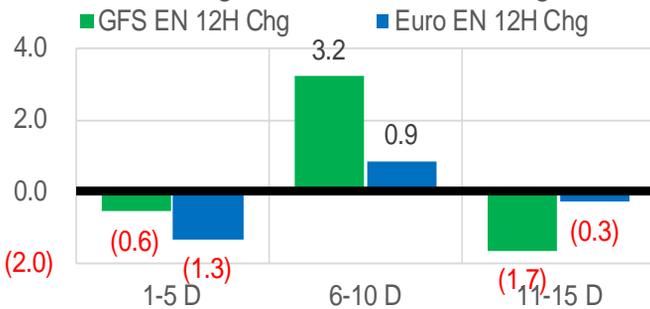
[Nat Gas Options Volume and Open Interest](#)

[Nat Gas Futures Open Interest](#)

[Price Summary](#)

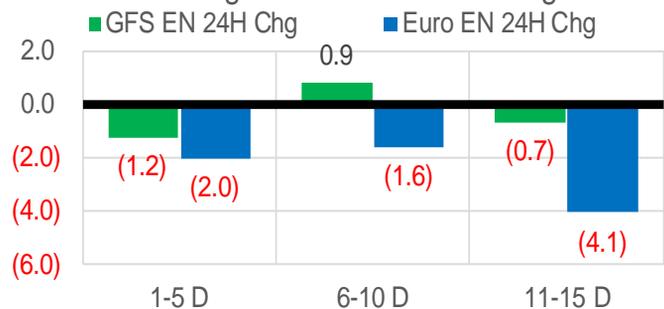
Vs. 12H Ago

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	95.9	▲ 0.67	▲ 0.86

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	31.5	▼ -0.02	▲ 1.29

	Current	Δ from YD	Δ from 7D Avg
US ResComm	9.9	▼ -0.41	▲ 0.01

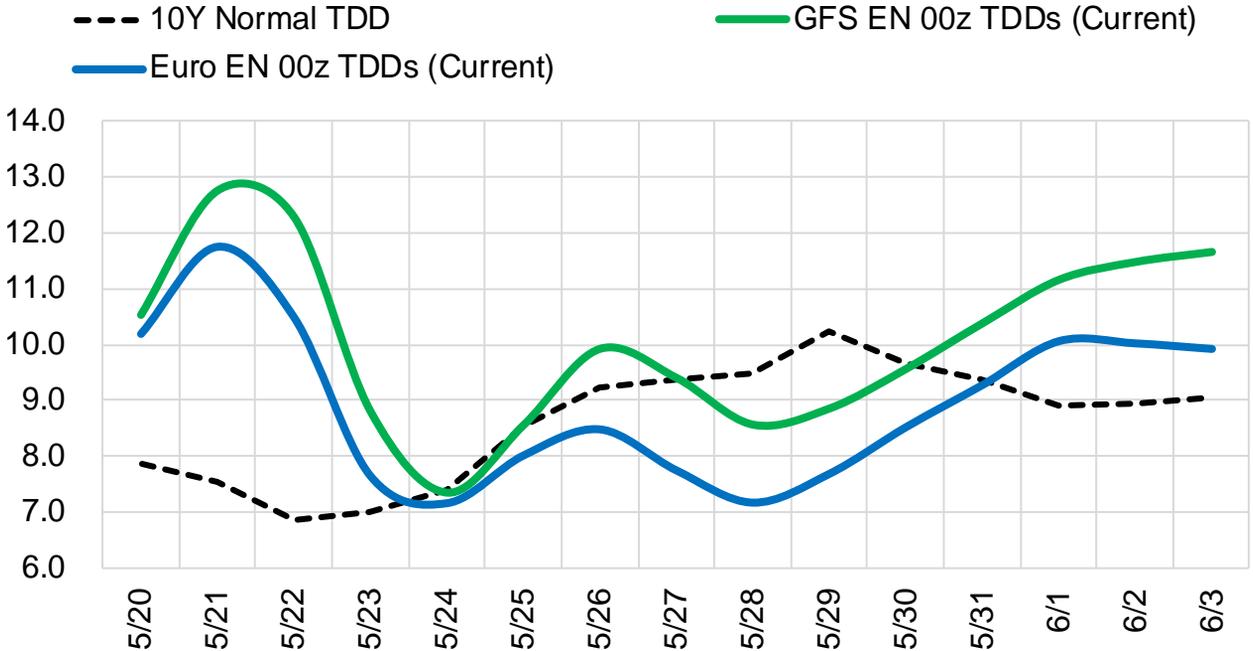
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	4.8	▼ -0.24	▼ -0.13

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	13.3	▲ 0.23	▲ 1.05

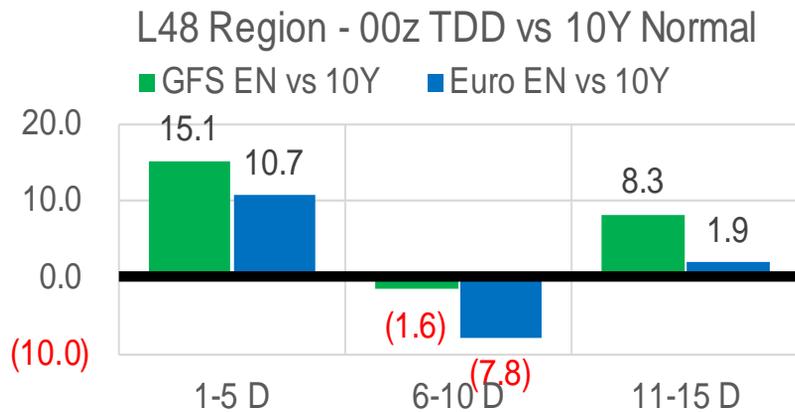
	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.9	▼ -0.16	▼ -0.03

Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal



Source: WSI, Bloomberg

Lower 48 Component Models

Daily Balances

	14-May	15-May	16-May	17-May	18-May	19-May	20-May	DoD	vs. 7D
Lower 48 Dry Production	95.1	94.8	95.0	94.6	94.9	95.2	95.9	▲ 0.7	▲ 0.9
Canadian Imports	4.9	4.8	4.9	4.8	4.9	5.0	4.8	▼ -0.2	▼ -0.1
L48 Power	30.0	29.2	30.2	29.3	30.5	31.5	31.5	▼ 0.0	▲ 1.4
L48 Residential & Commercial	8.4	8.5	9.5	10.9	11.7	10.3	9.9	▼ -0.4	▼ 0.0
L48 Industrial	21.3	21.3	21.2	21.1	20.9	20.4	19.8	▼ -0.6	▼ -1.2
L48 Lease and Plant Fuel	5.2	5.1	5.1	5.1	5.1	5.2	5.1	▼ 0.0	▲ 0.0
L48 Pipeline Distribution	2.2	2.1	2.3	2.3	2.4	2.4	2.3	▼ 0.0	▲ 0.1
L48 Regional Gas Consumption	67.0	66.3	68.3	68.6	70.7	69.7	68.6	▼ -1.0	▲ 0.2
Net LNG Delivered	11.83	11.67	12.26	12.50	12.33	13.03	13.26	▲ 0.2	▲ 1.0
Total Mexican Exports	6.9	6.3	6.9	7.1	7.2	7.1	6.9	▼ -0.2	▼ 0.0
Implied Daily Storage Activity	14.2	15.2	12.5	11.2	9.6	10.5	11.9		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	15-Apr	22-Apr	29-Apr	6-May	13-May	20-May	WoW	vs. 4W
Lower 48 Dry Production	96.4	96.7	95.8	95.8	96.0	95.0	▼ -1.0	▼ -1.1
Canadian Imports	5.6	5.8	6.1	5.9	5.2	4.9	▼ -0.3	▼ -0.9
L48 Power	24.6	25.1	24.9	26.2	26.7	30.2	▲ 3.5	▲ 4.5
L48 Residential & Commercial	22.4	24.1	18.5	16.5	14.2	9.9	▼ -4.3	▼ -8.5
L48 Industrial	21.7	21.8	22.0	21.7	21.4	21.1	▼ -0.4	▼ -0.7
L48 Lease and Plant Fuel	5.3	5.3	5.2	5.2	5.2	5.1	▼ -0.1	▼ -0.1
L48 Pipeline Distribution	2.6	2.7	2.4	2.4	2.3	2.3	▼ 0.0	▼ -0.2
L48 Regional Gas Consumption	76.5	79.0	73.0	72.1	69.9	68.5	▼ -1.3	▼ -5.0
Net LNG Exports	12.5	12.1	12.2	12.2	12.2	12.2	▲ 0.0	▲ 0.0
Total Mexican Exports	6.6	6.7	6.9	6.9	7.0	7.0	▼ -0.1	▲ 0.1
Implied Daily Storage Activity	6.5	4.7	9.8	10.6	12.1	12.3	0.2	
EIA Reported Daily Storage Activity	7.6	5.7	11.0	10.9	12.7			
Daily Model Error	-1.1	-1.0	-1.2	-0.3	-0.6			

Monthly Balances

	2Yr Ago May-20	LY May-21	Jan-22	Feb-22	Mar-22	Apr-22	MTD May-22	MoM	vs. LY
Lower 48 Dry Production	87.0	93.0	93.4	92.6	94.9	96.2	95.6	▼ -0.6	▲ 2.6
Canadian Imports	3.9	4.5	6.7	6.6	5.2	5.8	5.3	▼ -0.5	▲ 0.8
L48 Power	26.9	26.5	31.5	28.9	25.6	24.8	28.2	▲ 3.4	▲ 1.7
L48 Residential & Commercial	12.8	12.8	49.1	44.4	30.7	22.2	13.1	▼ -9.1	▲ 0.4
L48 Industrial	19.4	20.9	24.7	22.5	21.8	22.0	21.4	▼ -0.6	▲ 0.5
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
L48 Regional Gas Consumption	65.9	67.5	114.3	104.4	86.2	76.8	70.2	▼ -6.6	▲ 2.8
Net LNG Exports	6.7	10.8	12.4	12.4	12.9	12.3	12.2	▼ -0.1	▲ 1.4
Total Mexican Exports	4.8	6.8	6.3	6.2	6.5	6.7	7.0	▲ 0.3	▲ 0.2
Implied Daily Storage Activity	13.6	12.4	-32.9	-23.7	-5.5	6.2	11.4		
EIA Reported Daily Storage Activity									
Daily Model Error									

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	12-May	13-May	14-May	15-May	16-May	17-May	18-May	DoD	vs. 7D
NRC Nuclear Daily Output	81.0	81.3	79.6	81.0	82.1	82.1	81.8	-0.2	0.7
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	23.9	23.5	25.3	23.8	22.8	22.8	23.0	0.2	-0.7
NRC % Nuclear Cap Utilization	82.4	82.7	80.9	82.4	83.5	83.5	83.2	-0.2	0.7

Wind Generation Daily Average - MWh (EIA)

	12-May	13-May	14-May	15-May	16-May	17-May	18-May	DoD	vs. 7D
CALI Wind	2800	2413	1662	3103	5161	4880	2994	-1886	-343
TEXAS Wind	19001	12388	11449	15517	12905	21221	17845	-3376	2432
US Wind	68832	47704	35389	44607	48299	63621	46953	-16667	-4455

Generation Daily Average - MWh (EIA)

	12-May	13-May	14-May	15-May	16-May	17-May	18-May	DoD	vs. 7D
US Wind	68832	47704	35389	44607	48299	63621	46953	-16667	-4455
US Solar	16404	18241	18712	18205	19382	18742	19205	463	924
US Petroleum	268	357	265	249	220	198	284	86	24
US Other	8121	8224	7401	7134	7615	7967	7314	-653	-429
US Coal	83318	85557	86495	85391	91689	87363	92366	5002	5730
US Nuke	84722	84133	83587	84942	85474	87114	84909	-2204	-86
US Hydro	33198	33307	31023	30947	30841	31364	32026	663	246
US Gas	166573	178411	175680	162739	173224	159846	173555	13710	4143

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Storage Week Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)

	15-Apr	22-Apr	29-Apr	6-May	13-May	20-May	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	71.9	72.3	73.5	76.7	79.3	81.7	2.4	-0.4
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	32.9	32.6	31.4	28.2	25.5	23.2	-2.4	
NRC % Nuclear Cap Utilization	73.2	73.5	74.8	78.0	80.7	83.1	2.4	

Wind Generation Weekly Average - MWh (EIA)

	15-Apr	22-Apr	29-Apr	6-May	13-May	20-May	WoW	WoW Bcf/d Impact
CALI Wind	3434	3613	3153	2929	3983	3315	-668	0.1
TEXAS Wind	16530	15612	18327	16902	17705	15596	-2109	0.4
US Wind	66240	61570	66986	57243	64974	47647	-17327	3.1
							-27%	
							-0.1	

Generation Weekly Average - MWh (EIA)

	15-Apr	22-Apr	29-Apr	6-May	13-May	20-May	WoW	WoW Bcf/d Impact
						est.		
US Wind	66240	61570	66986	57243	64974	47647	-17327	3.1
US Solar	16118	15897	16968	16920	17734	18813	1079	-0.2
US Petroleum	964	984	992	931	341	265	-76	0.0
US Other	7154	7544	7717	7528	7590	7567	-23	0.0
US Coal	77087	79575	77533	78898	81273	88747	7473	-1.3
US Nuke	75674	76478	77438	80545	83391	85010	1619	-0.3
US Hydro	29415	28355	26722	26824	28940	31648	2708	-0.5
US Gas	134338	133401	131482	145738	148384	171002	22618	4.1

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Monthly Average Generation Data

Nuclear Generation Monthly Average - GWh (NRC)

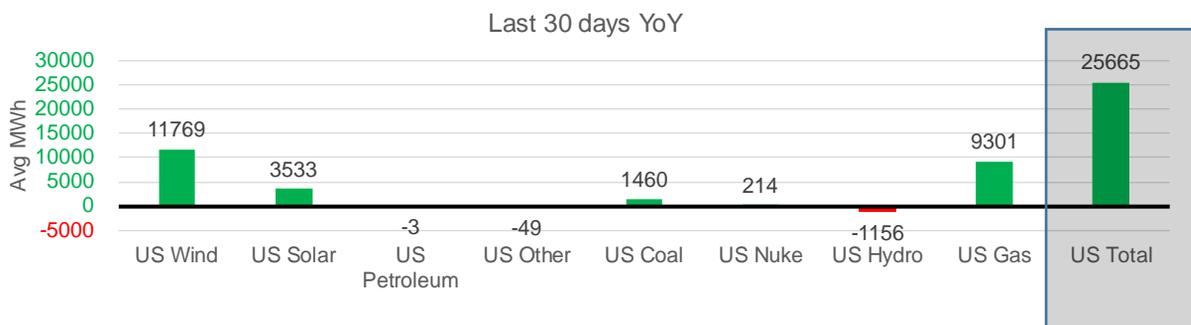
	2Yr Ago	LY	MTD				Last 30 days	Last 30 days YoY
	Same 30 days	Same 30 days	Feb-22	Mar-22	Apr-22	May-22		
NRC Nuclear Daily Output	80.7	77.8	87.3	81.3	73.3	79.9	77.9	0.0
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	104.9	0.0
NRC Nuclear Outage	24.1	27.1	17.5	23.6	31.6	24.9	27.0	0.0
NRC % Nuclear Cap Utilization	82.1	79.1	88.8	82.7	74.5	81.3	79.2	0.0

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	2836	3420	1495	2250	3186	3434	3339	-81
TEXAS Wind	11261	12289	11750	14837	16311	16725	17281	4993
US Wind	41068	47259	54543	58528	64183	54662	59028	11769

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	41068	47259	54543	58528	64183	54662	59028	▲ 11769
US Solar	11275	14073	12442	14058	16208	17938	17605	▲ 3533
US Petroleum	755	636	1331	985	985	459	633	▼ -3
US Other	8004	7644	8632	7206	7386	7587	7595	▼ -49
US Coal	56890	80534	105631	82291	77545	84520	81994	▲ 1460
US Nuke	84804	81346	92027	85256	77217	83489	81559	▲ 214
US Hydro	35743	29775	32284	33959	29023	29617	28619	▼ -1156
US Gas	136351	140250	153733	137232	133068	158718	149550	▲ 9301
US Total	373635	401784	461069	419842	406185	438027	427449	▲ 25665



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

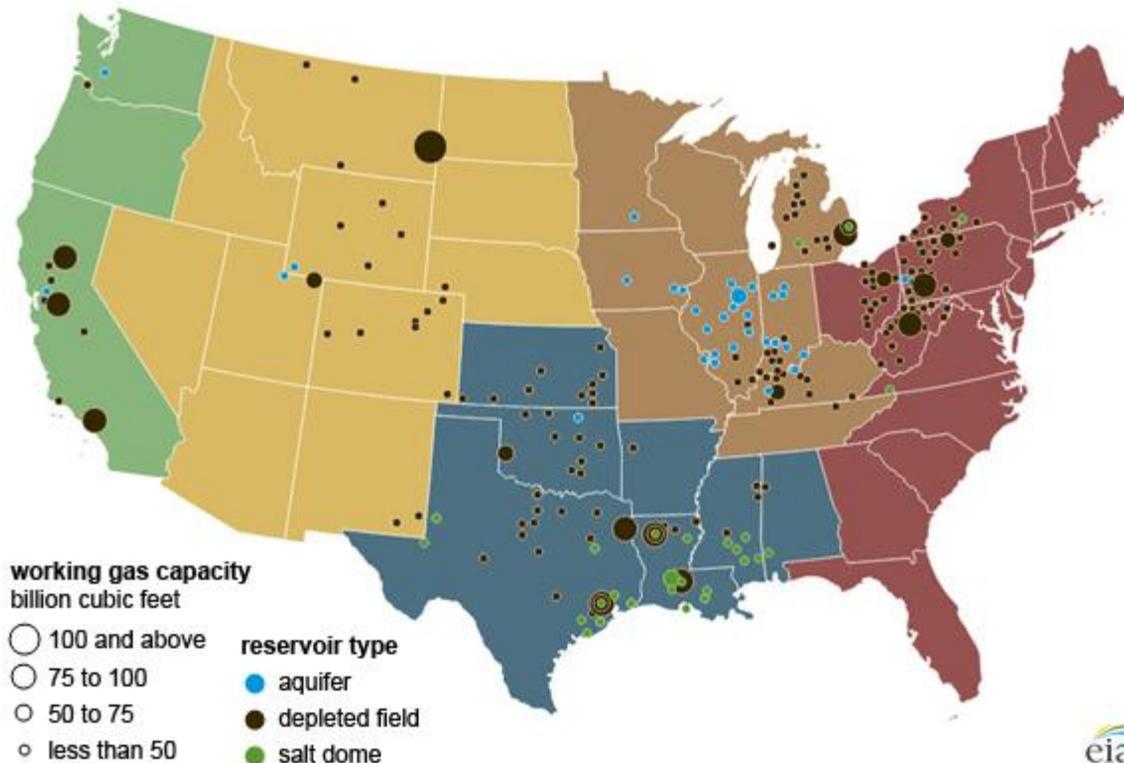
Regional S/D Models Storage Projection

Week Ending 20-May

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	13.0	0.0	13.0	91
East	2.0	2.6	4.5	32
Midwest	5.0	-0.9	4.0	28
Mountain	4.8	-3.6	1.2	8
South Central	-0.1	2.6	2.5	18
Pacific	1.3	-0.6	0.7	5

*Adjustment Factor is calculated based on historical regional deltas

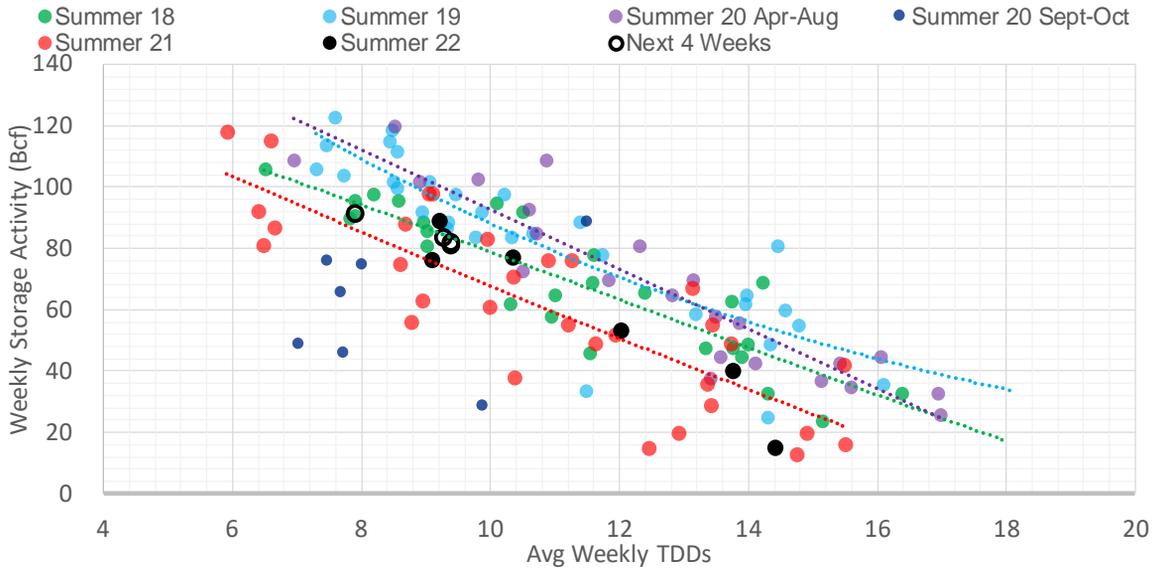
U.S. underground natural gas storage facilities by type (July 2015)



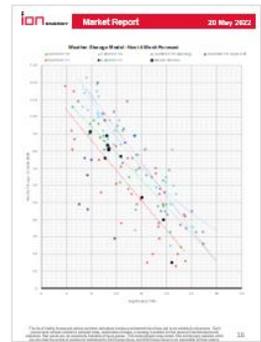
Weather Model Storage Projection

Next report and beyond		
Week Ending	TDDs	Week Storage Projection
20-May	7.9	91
27-May	9.4	81
03-Jun	9.4	81
10-Jun	9.3	83

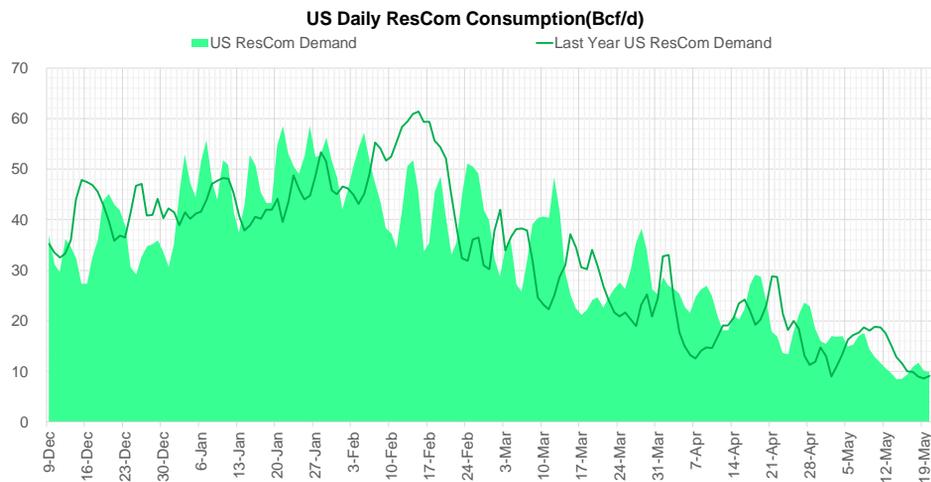
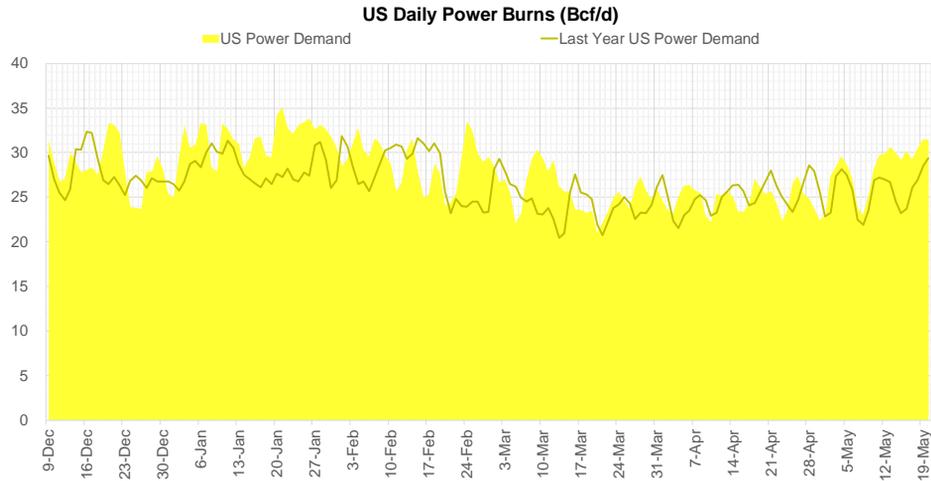
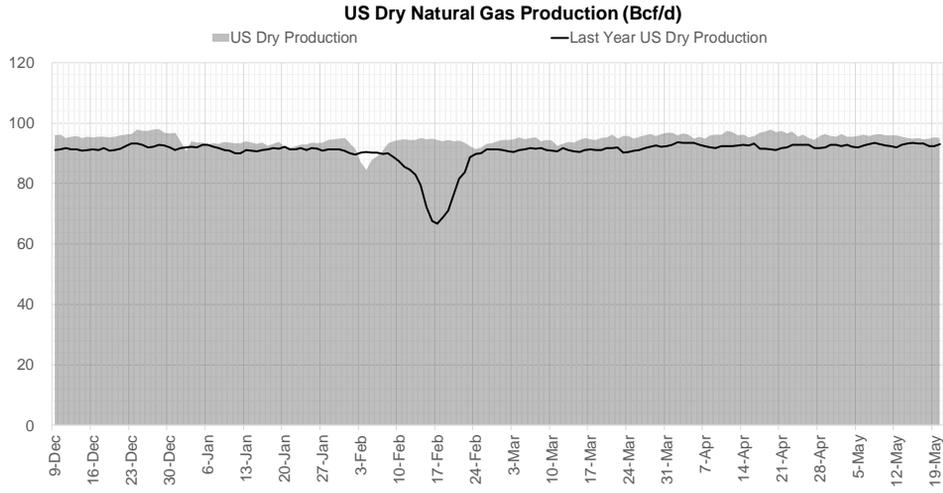
Weather Storage Model - Next 4 Week Forecast



Go to larger image

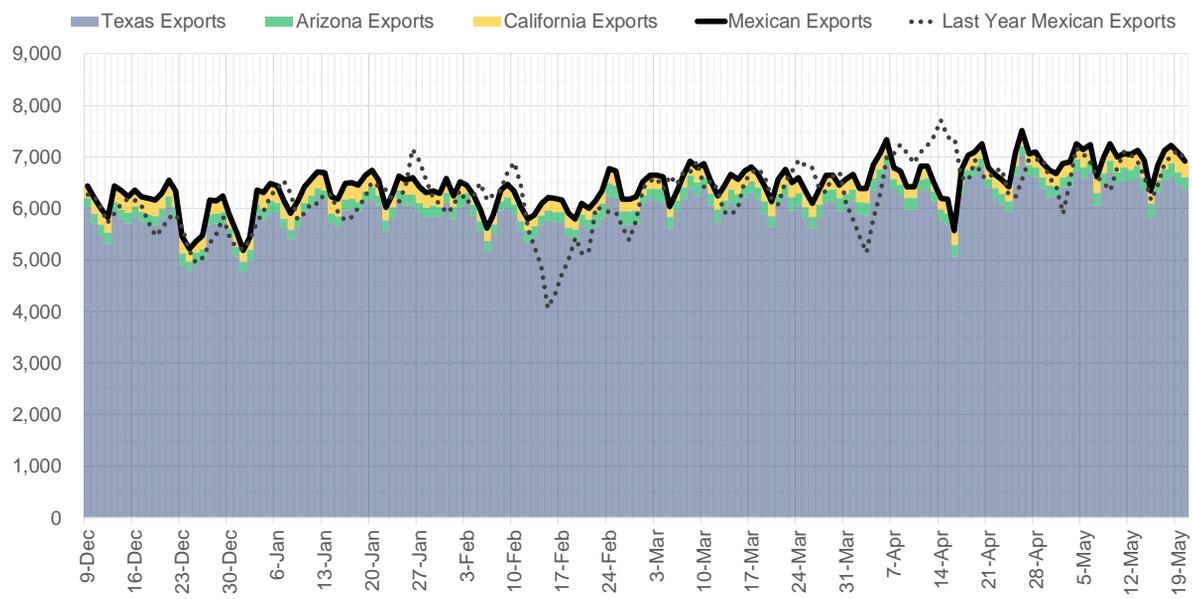


Supply – Demand Trends

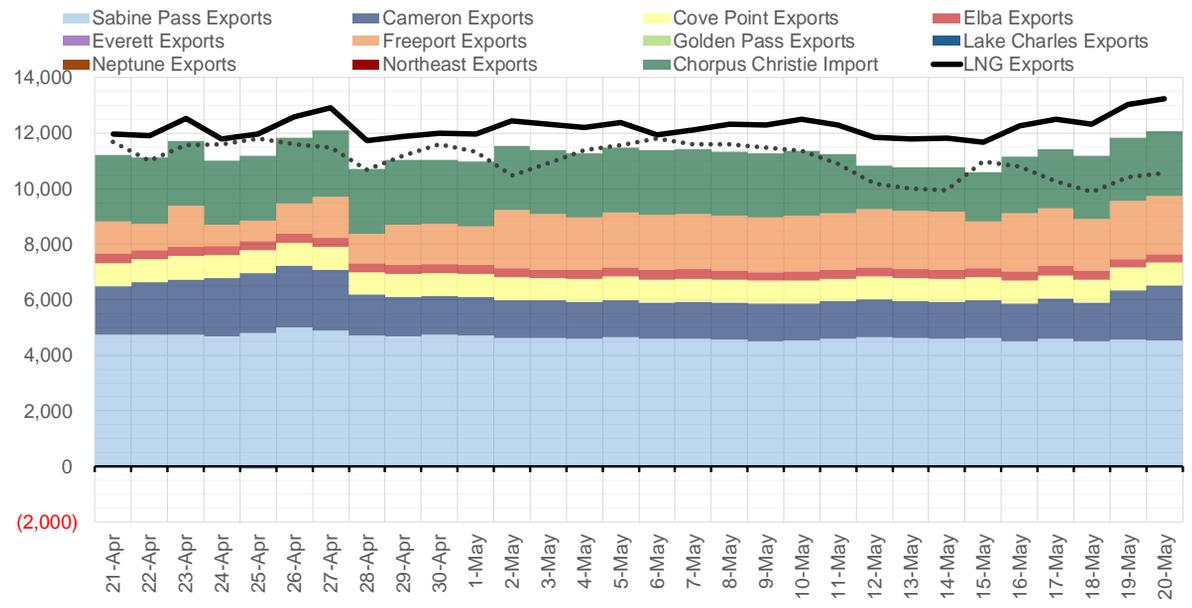


Source: Bloomberg

Mexican Exports (MMcf/d)



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



Source: Bloomberg

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.

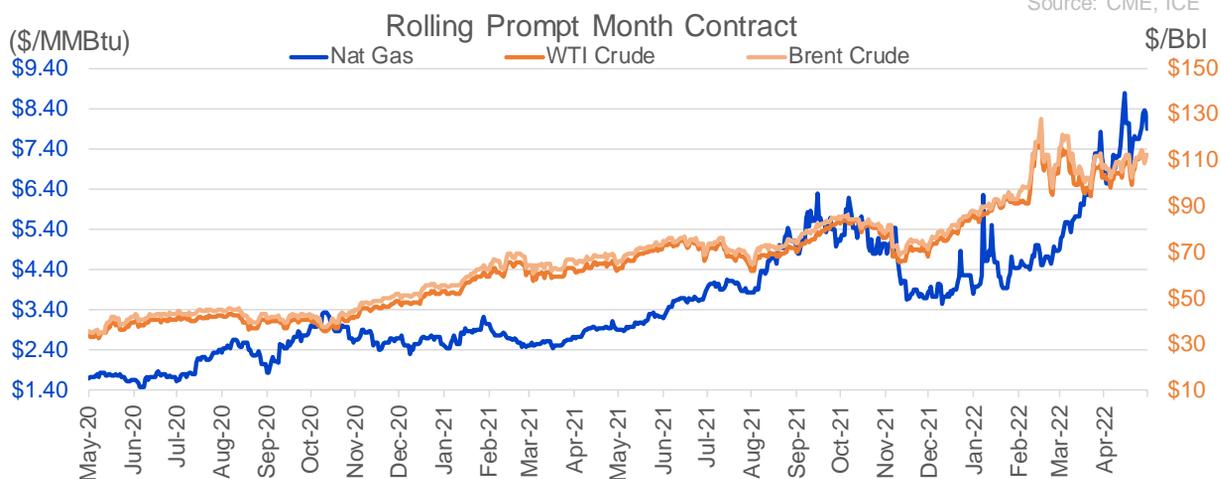
Nat Gas Options Volume and Open Interest CME and ICE Combined

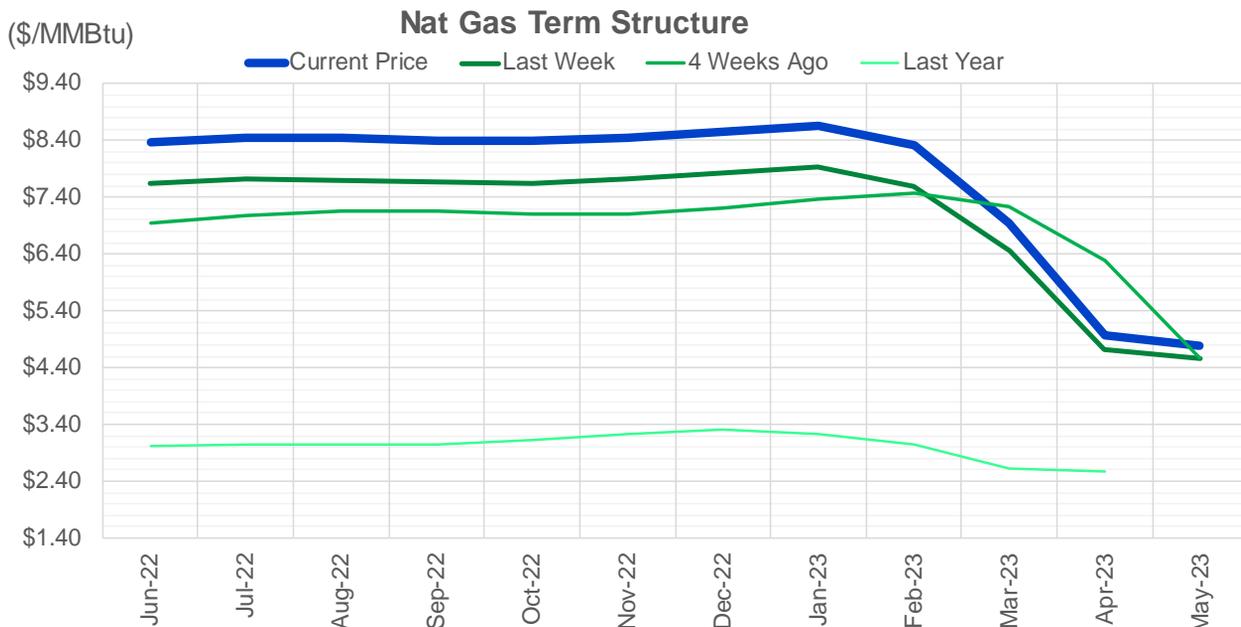
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
6	2022	C	10.00	16552	8	2022	C	10.00	51949
6	2022	C	10.10	13900	8	2022	C	10.50	41549
6	2022	P	7.50	9745	10	2022	C	6.00	35395
6	2022	P	7.40	8025	6	2022	C	6.00	25035
6	2022	C	9.00	7225	10	2022	C	5.00	24089
6	2022	C	8.50	4764	9	2022	C	6.00	23663
6	2022	P	8.00	3293	6	2022	C	10.00	21127
8	2022	C	10.00	2998	6	2022	P	6.00	21077
7	2022	C	8.00	2532	10	2022	P	3.50	20919
7	2022	C	9.00	2246	10	2022	P	3.00	20642
8	2022	C	10.50	2185	10	2022	P	2.50	19868
6	2022	P	6.00	2142	6	2022	P	4.00	19629
3	2023	C	8.00	2000	6	2022	C	7.00	19575
6	2022	C	11.50	1700	8	2022	C	6.00	19483
8	2022	C	7.50	1501	7	2022	C	8.00	19436
6	2022	P	6.50	1316	7	2022	C	6.00	18936
6	2022	P	7.00	1307	10	2022	P	6.00	18928
6	2022	C	9.25	1121	6	2022	P	7.00	18908
7	2022	C	9.10	1001	12	2022	C	5.00	18221
3	2023	C	5.00	1000	8	2022	C	7.00	18115
3	2023	C	7.50	1000	9	2022	C	7.00	18096
3	2023	C	8.50	1000	6	2022	P	5.50	17937
7	2022	P	5.50	973	9	2022	C	10.00	17841
6	2022	C	9.50	900	7	2022	C	10.00	17706
3	2023	C	6.00	900	7	2022	C	7.00	17664
10	2022	P	5.00	890	6	2022	C	5.00	17647
6	2022	C	11.00	870	10	2022	P	2.00	17558
6	2022	C	8.00	863	10	2022	P	4.00	17463
7	2022	C	7.50	750	7	2022	P	3.25	17344
9	2022	C	7.50	750	6	2022	P	3.00	17223
8	2022	C	9.00	701	6	2022	P	4.75	17111
10	2022	P	4.00	700	7	2022	P	6.00	17001
10	2022	P	7.00	700	6	2022	C	9.00	16930
6	2022	C	9.75	621	7	2022	P	7.00	16573
7	2022	C	10.00	619	1	2023	C	10.00	16034
6	2022	C	8.75	574	6	2022	P	3.50	15958
6	2022	C	8.25	554	5	2023	P	2.00	15761
9	2022	P	3.00	525	11	2022	P	4.00	15744
7	2022	P	6.00	523	6	2022	P	5.00	15596
6	2022	P	7.60	516	2	2023	C	10.00	15524
10	2022	C	15.00	505	7	2022	C	9.00	15405
7	2022	C	13.25	501	9	2022	P	2.50	15291
12	2022	P	6.25	500	7	2022	P	5.00	15030
12	2022	P	6.50	500	7	2022	P	3.50	14978
6	2023	C	7.00	493	9	2022	P	2.75	14883
6	2022	C	12.00	492	8	2022	C	8.00	14788
8	2022	C	8.00	463	9	2022	P	3.00	14776
7	2022	P	7.50	455	10	2022	P	3.25	14717
6	2022	C	10.25	428	8	2022	P	3.00	14553
					7	2022	P	3	14491

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	42533	48624	-6091	JUN 22	82985	84008	-1023
JUL 22	201498	200257	1241	JUL 22	81740	80267	1473
AUG 22	62330	61711	619	AUG 22	59574	59486	89
SEP 22	89510	88626	884	SEP 22	63130	63615	-485
OCT 22	97709	97956	-247	OCT 22	76404	76302	102
NOV 22	51119	51937	-818	NOV 22	59524	58305	1219
DEC 22	50935	50965	-30	DEC 22	62389	62599	-210
JAN 23	63014	63180	-166	JAN 23	65639	65166	473
FEB 23	27925	27846	79	FEB 23	56786	56210	576
MAR 23	39033	39110	-77	MAR 23	55023	54712	311
APR 23	58871	59309	-438	APR 23	52721	52898	-177
MAY 23	61674	62217	-543	MAY 23	51731	52065	-335
JUN 23	25505	25503	2	JUN 23	44684	44810	-127
JUL 23	21717	21593	124	JUL 23	43660	43756	-96
AUG 23	13601	13918	-317	AUG 23	43301	43459	-158
SEP 23	17454	17794	-340	SEP 23	42509	42665	-156
OCT 23	34551	33443	1108	OCT 23	49512	49600	-89
NOV 23	12795	12827	-32	NOV 23	43390	43528	-138
DEC 23	14958	14442	516	DEC 23	39454	39521	-66
JAN 24	20182	20458	-276	JAN 24	38873	39062	-189
FEB 24	6000	5913	87	FEB 24	26289	26289	0
MAR 24	14314	14263	51	MAR 24	30638	30672	-33
APR 24	12091	12094	-3	APR 24	26946	27038	-92
MAY 24	6449	6441	8	MAY 24	25695	25739	-43
JUN 24	1804	1803	1	JUN 24	21988	22032	-44
JUL 24	1987	1986	1	JUL 24	22152	22173	-22
AUG 24	2966	2965	1	AUG 24	22238	22281	-43
SEP 24	1367	1367	0	SEP 24	21615	21659	-44
OCT 24	6743	6729	14	OCT 24	24368	24349	19
NOV 24	4683	4683	0	NOV 24	22436	22474	-38





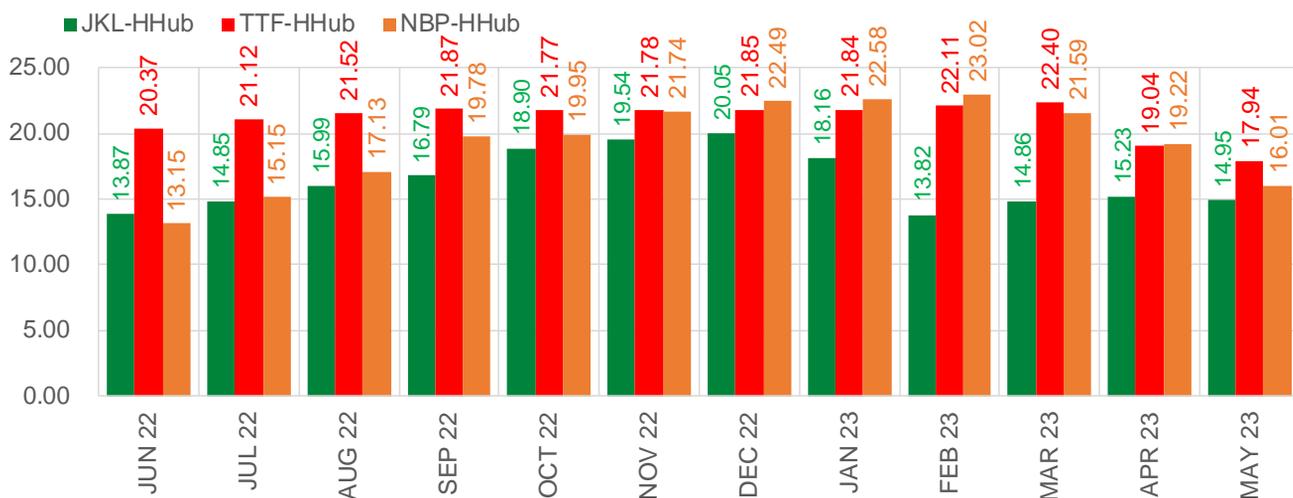
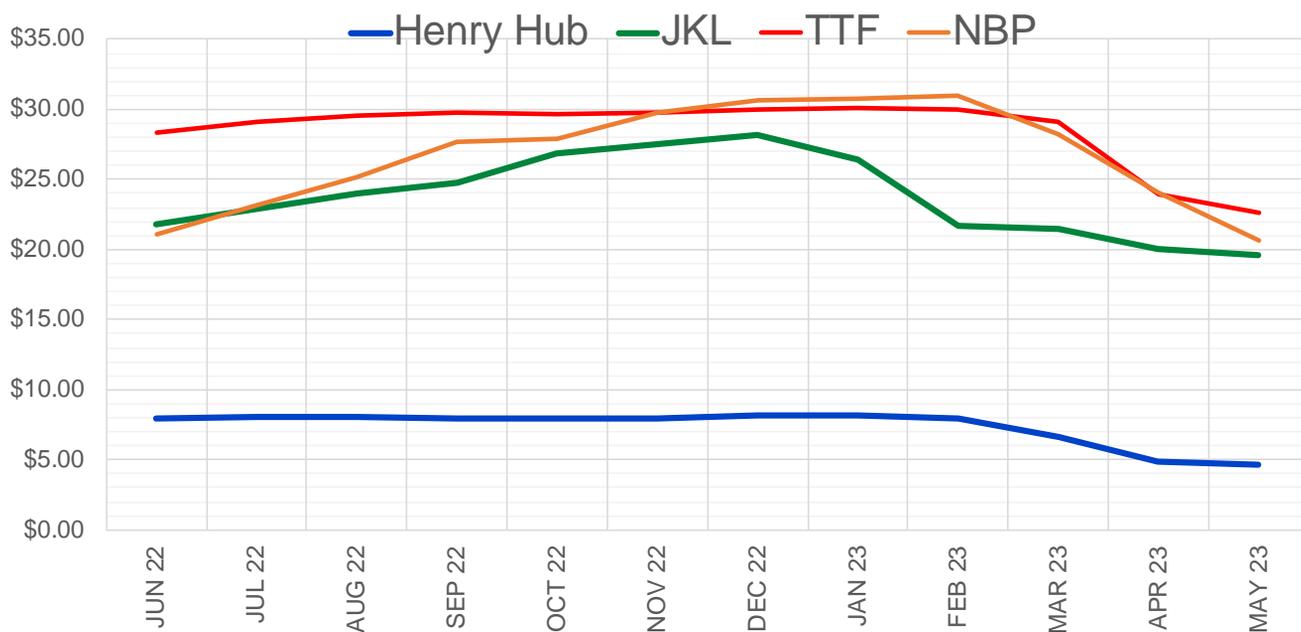
	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
Current Price	\$8.368	\$8.455	\$8.444	\$8.402	\$8.383	\$8.441	\$8.559	\$8.655	\$8.306	\$6.955	\$4.977	\$4.788
Last Week	\$7.640	\$7.727	\$7.708	\$7.661	\$7.650	\$7.712	\$7.828	\$7.921	\$7.594	\$6.463	\$4.716	\$4.548
vs. Last Week	\$0.728	\$0.728	\$0.736	\$0.741	\$0.733	\$0.729	\$0.731	\$0.734	\$0.712	\$0.492	\$0.261	\$0.240
4 Weeks Ago	\$6.937	\$7.065	\$7.158	\$7.151	\$7.102	\$7.112	\$7.198	\$7.365	\$7.469	\$7.225	\$6.278	\$4.585
vs. 4 Weeks Ago	\$1.431	\$1.390	\$1.286	\$1.251	\$1.281	\$1.329	\$1.361	\$1.290	\$0.837	-\$0.270	-\$1.301	\$0.203
Last Year	\$2.964	\$3.028	\$3.041	\$3.034	\$3.051	\$3.115	\$3.238	\$3.317	\$3.242	\$3.045	\$2.637	\$2.582
vs. Last Year	\$5.404	\$5.427	\$5.403	\$5.368	\$5.332	\$5.326	\$5.321	\$5.338	\$5.064	\$3.910	\$2.340	\$2.206

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	8.23	7.31	-0.92
TETCO M3	\$/MMBtu	7.83	6.95	-0.88
FGT Zone 3	\$/MMBtu	7.85	7.75	-0.10
Zone 6 NY	\$/MMBtu	7.85	6.86	-0.99
Chicago Citygate	\$/MMBtu	8.00	7.49	-0.51
Michcon	\$/MMBtu	8.05	7.50	-0.55
Columbia TCO Pool	\$/MMBtu	7.65	7.04	-0.62
Ventura	\$/MMBtu	8.03	7.33	-0.70
Rockies/Opal	\$/MMBtu	7.81	7.23	-0.58
El Paso Permian Basin	\$/MMBtu	7.52	6.91	-0.61
Socal Citygate	\$/MMBtu	8.19	7.78	-0.41
Malin	\$/MMBtu	8.00	7.46	-0.54
Houston Ship Channel	\$/MMBtu	8.03	7.62	-0.41
Henry Hub Cash	\$/MMBtu	8.19	7.39	-0.80
AECO Cash	C\$/GJ	4.57	5.82	1.25
Station2 Cash	C\$/GJ	3.72	7.14	3.42
Dawn Cash	C\$/GJ	8.04	7.49	-0.55

Source: CME, Bloomberg

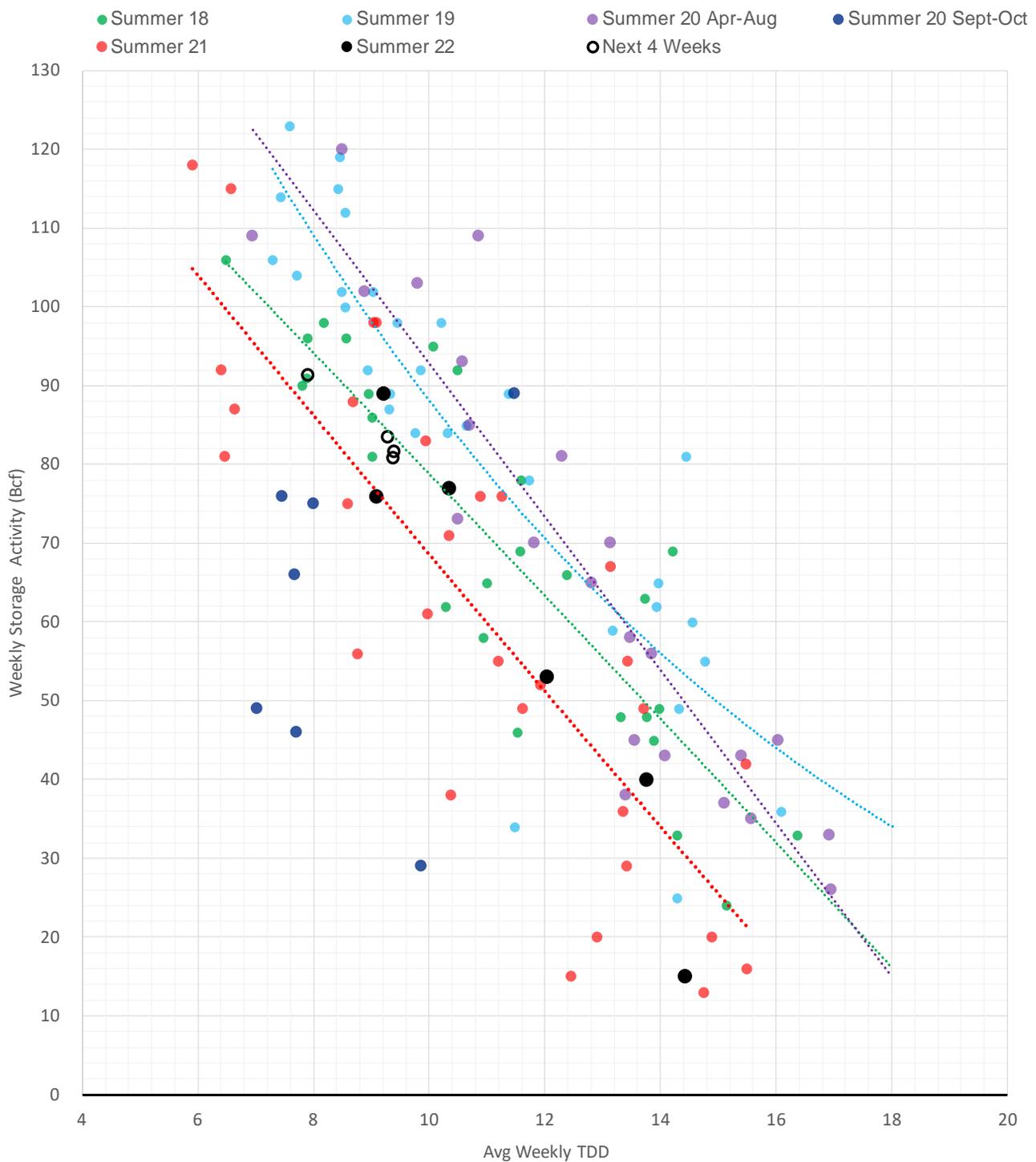
	Units	Current Price	vs. Last Week	vs. 4 Weeks Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 2.196
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.293
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -2.095
NatGas Apr22/Oct22	\$/MMBtu	2.993	▲ 0.561	▲ 1.174	▲ 2.957
WTI Crude	\$/Bbl	112.21	▲ 6.080	▲ 8.420	▲ 50.160
Brent Crude	\$/Bbl	112.04	▲ 4.590	▲ 3.710	▲ 46.930
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	379.20	▼ -12.410	▼ -10.880	▲ 182.760
Propane, Mt. Bel	cents/Gallon	1.24	▼ -0.006	▼ -0.086	▲ 0.422
Ethane, Mt. Bel	cents/Gallon	0.59	▲ 0.017	▲ 0.091	▲ 0.335
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)



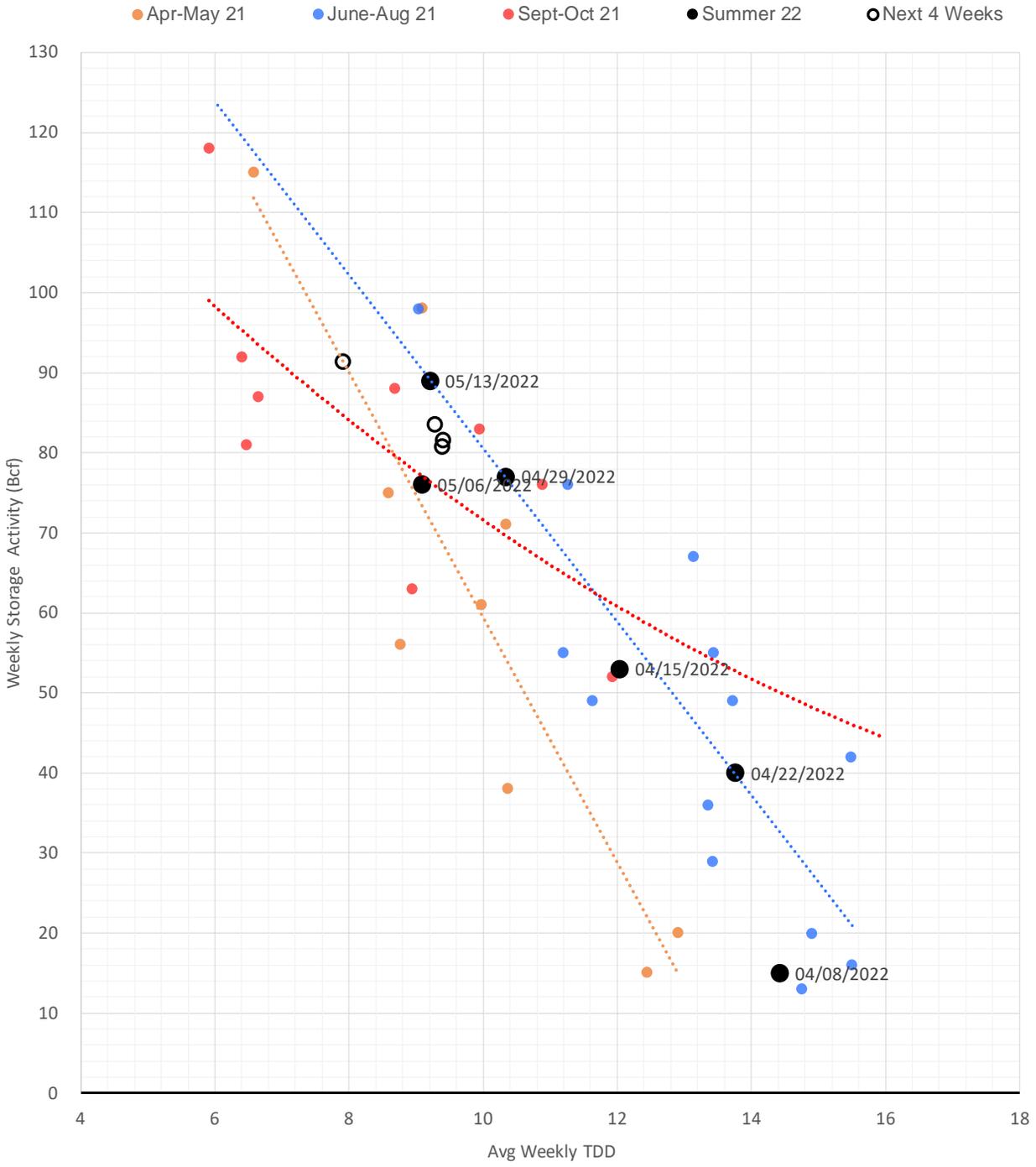
	JUN 22	JUL 22	AUG 22	SEP 22	OCT 22	NOV 22	DEC 22	JAN 23	FEB 23	MAR 23	APR 23	MAY 23
Henry Hub	\$7.919	\$8.008	\$8.011	\$7.956	\$7.944	\$7.985	\$8.111	\$8.216	\$7.912	\$6.663	\$4.850	\$4.679
JKL	\$21.790	\$22.860	\$24.000	\$24.745	\$26.845	\$27.520	\$28.165	\$26.375	\$21.730	\$21.520	\$20.075	\$19.630
JKL-HHub	\$13.871	\$14.852	\$15.989	\$16.789	\$18.901	\$19.535	\$20.054	\$18.159	\$13.818	\$14.857	\$15.225	\$14.951
TTF	\$28.293	\$29.129	\$29.529	\$29.826	\$29.716	\$29.767	\$29.962	\$30.058	\$30.025	\$29.063	\$23.892	\$22.615
TTF-HHub	\$20.374	\$21.121	\$21.518	\$21.870	\$21.772	\$21.782	\$21.851	\$21.842	\$22.113	\$22.400	\$19.042	\$17.936
NBP	\$21.072	\$23.153	\$25.139	\$27.735	\$27.894	\$29.720	\$30.598	\$30.796	\$30.929	\$28.252	\$24.070	\$20.693
NBP-HHub	\$13.153	\$15.145	\$17.128	\$19.779	\$19.950	\$21.735	\$22.487	\$22.580	\$23.017	\$21.589	\$19.220	\$16.014

Weather Storage Model - Next 4 Week Forecast



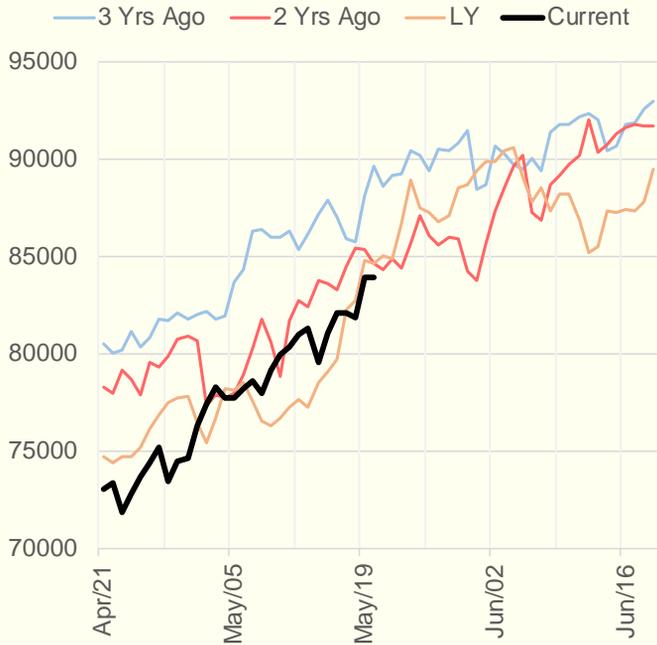
The risk of trading futures and options and other derivatives involves a substantial risk of loss and is not suitable for all persons. Each person must consider whether a particular trade, combination of trades, or strategy is suitable for that person's financial means and objectives. Past results are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

Weather Storage Model for Summer 2021 & 2022

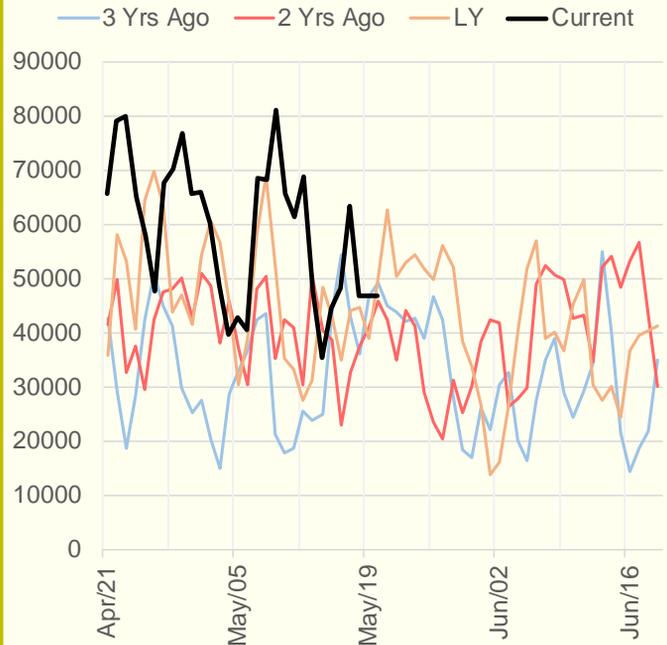


The risk of trading futures and options and other derivatives involves a substantial risk of loss and is not suitable for all persons. Each person must consider whether a particular trade, combination of trades, or strategy is suitable for that person's financial means and objectives. Past results are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

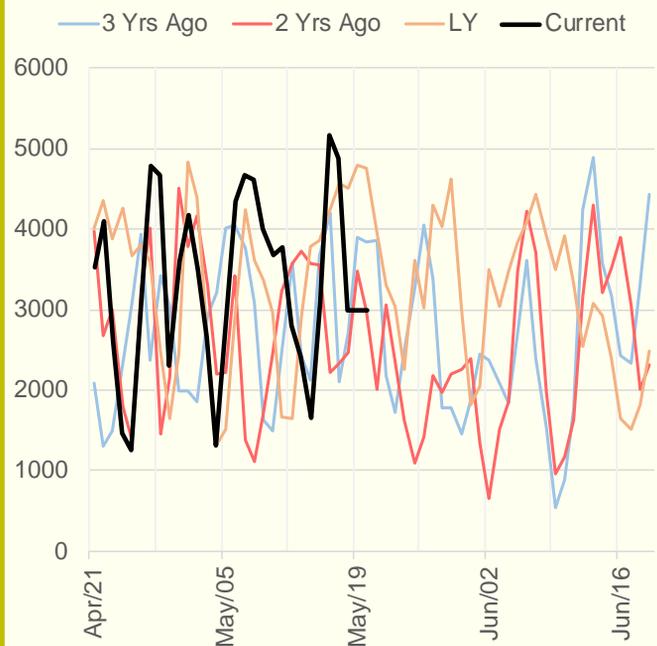
NRC Nuclear Daily Output



US Wind



CALI Wind



TEXAS Wind

