

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 5.45	▼ \$ (0.28)	▼ \$ (0.47)

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 108.17	▼ \$ (0.26)	▼ \$ (0.5)

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 111.67	▼ \$ (1.83)	▼ \$ (2.3)

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[Weather Model Storage Projection](#)

[Supply – Demand Trends](#)

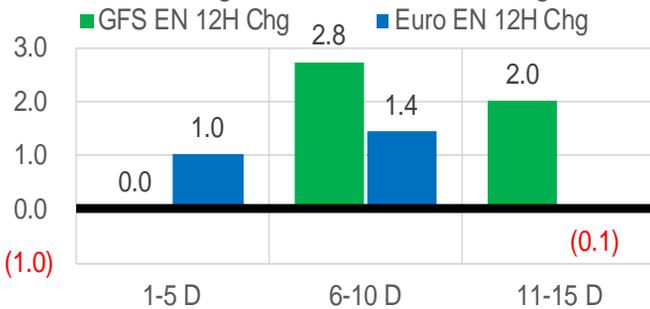
[Nat Gas Options Volume and Open Interest](#)

[Nat Gas Futures Open Interest](#)

[Price Summary](#)

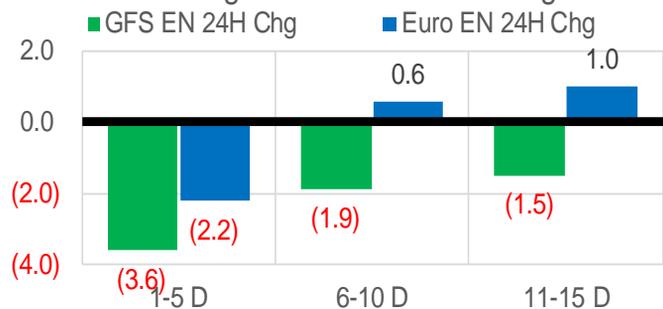
Vs. 12H Ago

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	94.8	▲ 0.00	▼ -0.34

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	40.2	▲ 2.01	▲ 0.30

	Current	Δ from YD	Δ from 7D Avg
US ResComm	8.0	▲ 0.11	▼ -0.06

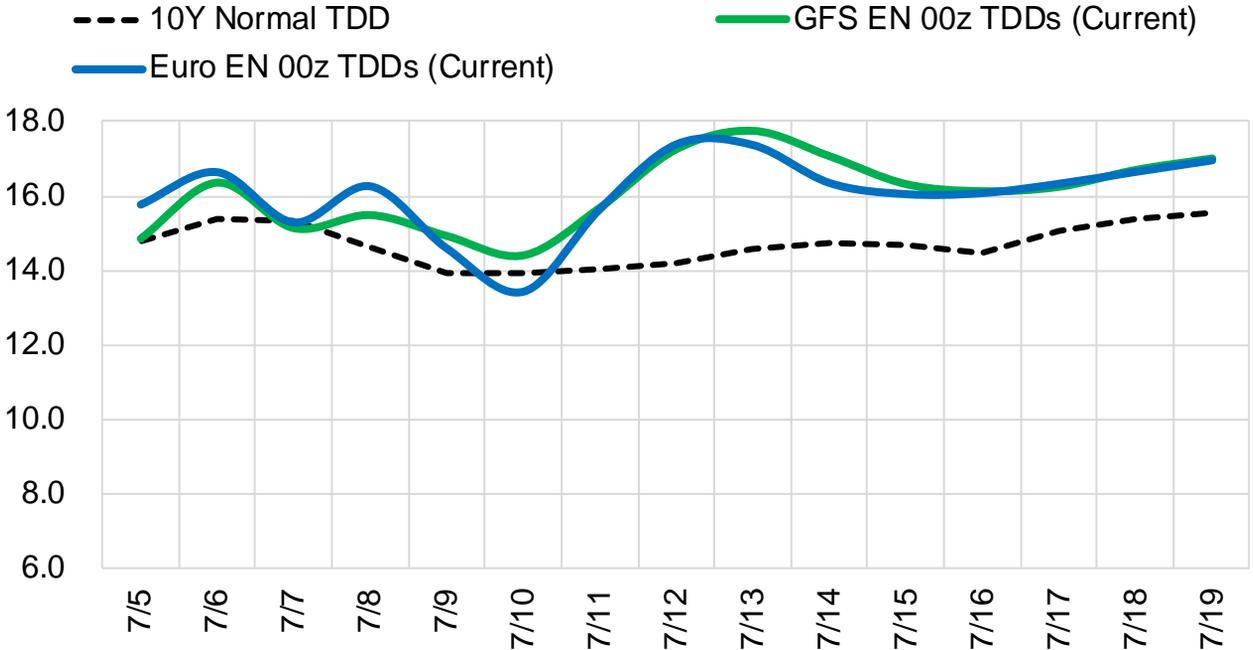
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	5.3	▲ 0.21	▼ -0.27

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	11.2	▲ 0.17	▲ 0.12

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.7	▲ 0.13	▼ -0.10

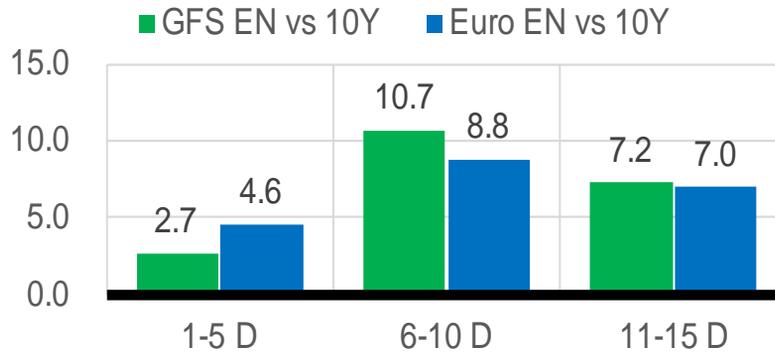
Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI , Bloomberg

Lower 48 Component Models

Daily Balances

	29-Jun	30-Jun	1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	DoD	vs. 7D
Lower 48 Dry Production	95.5	95.4	94.8	94.8	94.8	94.8	94.8	▲ 0.0	▼ -0.2
Canadian Imports	5.8	6.3	6.0	5.2	5.2	5.1	5.3	▲ 0.2	▼ -0.2
L48 Power	40.4	41.7	42.2	39.6	38.0	38.2	40.2	▲ 2.0	▲ 0.2
L48 Residential & Commercial	8.1	8.3	8.3	7.9	7.8	7.9	8.0	▲ 0.1	▼ -0.1
L48 Industrial	18.8	19.0	19.1	19.2	19.4	19.6	19.7	▲ 0.1	▲ 0.5
L48 Lease and Plant Fuel	5.2	5.2	5.1	5.2	5.2	5.2	5.2	▲ 0.0	▲ 0.0
L48 Pipeline Distribution	2.6	2.7	2.7	2.5	2.4	2.4	2.6	▲ 0.1	▼ 0.0
L48 Regional Gas Consumption	75.1	76.8	77.5	74.5	72.8	73.3	75.6	▲ 2.4	▲ 0.6
Net LNG Delivered	10.46	11.30	11.55	11.11	11.33	11.07	11.24	▲ 0.2	▲ 0.1
Total Mexican Exports	7.1	7.1	6.9	6.4	6.6	6.6	6.7	▲ 0.1	▼ 0.0
Implied Daily Storage Activity	8.6	6.4	4.8	7.9	9.2	9.0	6.5		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	27-May	3-Jun	10-Jun	17-Jun	24-Jun	1-Jul	WoW	vs. 4W
Lower 48 Dry Production	96.2	96.9	96.4	96.0	95.9	96.2	▲ 0.3	▼ -0.1
Canadian Imports	4.9	4.8	5.4	6.1	5.6	5.7	▲ 0.2	▲ 0.2
L48 Power	30.0	30.3	32.3	37.8	37.5	40.0	▲ 2.5	▲ 5.5
L48 Residential & Commercial	11.6	9.1	8.6	8.3	8.4	8.0	▼ -0.4	▼ -0.6
L48 Industrial	20.8	21.4	21.3	21.3	19.7	19.5	▼ -0.2	▼ -1.4
L48 Lease and Plant Fuel	5.2	5.2	5.2	5.2	5.2	5.2	▲ 0.0	▼ 0.0
L48 Pipeline Distribution	2.4	2.2	2.2	2.5	2.5	2.6	▲ 0.1	▲ 0.3
L48 Regional Gas Consumption	70.0	68.3	69.7	75.1	73.3	75.3	▲ 2.0	▲ 3.7
Net LNG Exports	13.0	12.8	12.3	10.7	10.6	10.6	▲ 0.0	▼ -0.9
Total Mexican Exports	7.0	7.1	7.1	7.2	7.0	7.0	▲ 0.1	▼ 0.0
Implied Daily Storage Activity	11.0	13.6	12.7	9.1	10.5	8.8	-1.7	
EIA Reported Daily Storage Activity	11.7	14.6	13.1	10.6	11.7			
Daily Model Error	-0.7	-1.0	-0.4	-1.4	-1.2			

Monthly Balances

	2Yr Ago Jul-20	LY Jul-21	Mar-22	Apr-22	May-22	Jun-22	MTD Jul-22	MoM	vs. LY
Lower 48 Dry Production	89.0	93.5	93.5	96.0	96.0	96.1	94.8	▼ -1.4	▲ 1.3
Canadian Imports	4.4	5.2	5.2	5.8	5.1	5.6	5.4	▼ -0.3	▲ 0.2
L48 Power	43.8	39.7	25.4	24.7	28.8	36.7	39.5	▲ 2.8	▼ -0.2
L48 Residential & Commercial	7.9	8.1	31.5	22.5	12.3	8.4	8.0	▼ -0.4	▼ -0.1
L48 Industrial	20.1	20.8	19.7	21.5	21.1	20.4	19.3	▼ -1.0	▼ -1.4
L48 Lease and Plant Fuel	4.9	5.1	5.2	5.2	5.2	5.2	5.2	▼ 0.0	▲ 0.1
L48 Pipeline Distribution	2.6	2.5	2.9	2.6	2.3	2.5	2.5	▲ 0.1	▼ 0.0
L48 Regional Gas Consumption	79.3	76.2	84.7	76.6	69.8	73.1	74.5	▲ 1.4	▼ -1.7
Net LNG Exports	3.3	10.8	12.9	12.3	12.5	11.2	11.3	▲ 0.1	▲ 0.5
Total Mexican Exports	5.9	7.1	6.5	6.7	7.0	7.1	6.6	▼ -0.5	▼ -0.4
Implied Daily Storage Activity	4.9	4.6	-5.4	6.2	11.8	10.4	7.7		
EIA Reported Daily Storage Activity									
Daily Model Error									

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	27-Jun	28-Jun	29-Jun	30-Jun	1-Jul	2-Jul	3-Jul	DoD	vs. 7D
NRC Nuclear Daily Output	88.1	88.5	90.0	90.3	89.5	89.5	89.5	0.0	0.2
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	16.8	16.4	14.9	14.6	15.3	15.3	15.3	0.0	-0.2
NRC % Nuclear Cap Utilization	89.6	89.9	91.5	91.8	91.1	91.1	91.1	0.0	0.2

Wind Generation Daily Average - MWh (EIA)

	27-Jun	28-Jun	29-Jun	30-Jun	1-Jul	2-Jul	3-Jul	DoD	vs. 7D
CALI Wind	2048	2048	2048	2048	2048	2048	2048	0	0
TEXAS Wind	22879	22879	22879	22879	22879	22879	22879	0	0
US Wind	63443	63443	63443	63443	63443	63443	63443	0	0

EIA 930 data is not being updated. EIA experiencing some issues.

Generation Daily Average - MWh (EIA)

	27-Jun	28-Jun	29-Jun	30-Jun	1-Jul	2-Jul	3-Jul	DoD	vs. 7D
US Wind	63443	63443	63443	63443	63443	63443	63443	0	0
US Solar	19728	19728	19728	19728	19728	19728	19728	0	0
US Petroleum	1333	1333	1333	1333	1333	1333	1333	0	0
US Other	9775	9775	9775	9775	9775	9775	9775	0	0
US Coal	119543	119543	119543	119543	119543	119543	119543	0	0
US Nuke	90696	90696	90696	90696	90696	90696	90696	0	0
US Hydro	39690	39690	39690	39690	39690	39690	39690	0	0
US Gas	220700	0	0						

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Storage Week Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)

	27-May	3-Jun	10-Jun	17-Jun	24-Jun	1-Jul	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	84.2	86.2	88.3	88.2	89.0	88.9	-0.1	0.0
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	20.6	18.7	16.6	16.7	15.9	16.0	0.1	
NRC % Nuclear Cap Utilization	85.7	87.6	89.8	89.7	90.5	90.4	-0.1	

Wind Generation Weekly Average - MWh (EIA)

	27-May	3-Jun	10-Jun	17-Jun	24-Jun	1-Jul	WoW	WoW Bcf/d Impact
CALI Wind	2798	3268	3842	3032	2048	2048	0	0.0
TEXAS Wind	14010	17915	12449	20462	22879	22879	0	0.0
US Wind	50129	57939	37417	57090	63443	63443	0	0.0
							0%	

Generation Weekly Average - MWh (EIA)

	27-May	3-Jun	10-Jun	17-Jun	24-Jun	1-Jul	WoW	WoW Bcf/d Impact
US Wind	50129	57939	37417	57090	63443	63443	0	0.0
US Solar	17534	18656	18807	18731	19728	19728	0	0.0
US Petroleum	448	863	968	1244	1333	1333	0	0.0
US Other	7684	7866	8001	8688	9775	9775	0	0.0
US Coal	88570	89706	95415	106566	119543	119543	0	0.0
US Nuke	88016	89728	91641	91235	90696	90696	0	0.0
US Hydro	33772	35051	36328	37495	39690	39690	0	0.0
US Gas	160070	163383	178204	201845	220700	220700	0	0.0

EIA 930 data is not being updated. EIA experiencing some issues.

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		
	Same 30 days	Same 30 days	Apr-22	May-22	Jun-22	Jul-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
NRC Nuclear Daily Output	90.9	88.6	73.4	81.7	88.5	89.5	88.9	1.0	0.2
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	14.0	16.3	31.5	23.2	16.3	15.3	16.0	-1.0	-0.2
NRC % Nuclear Cap Utilization	92.4	90.1	74.6	83.0	90.0	91.1	90.3	1.0	0.2

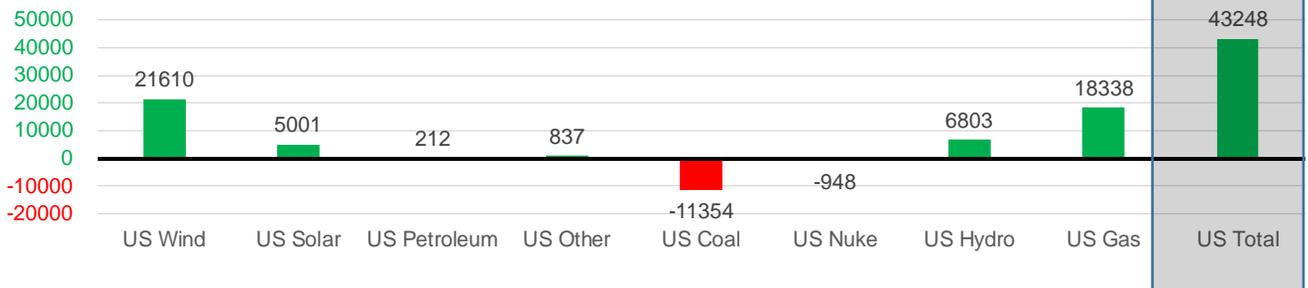
Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY					MTD		
	Same 30 days	Same 30 days	Apr-22	May-22	Jun-22	Jul-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
CALI Wind	2701	2766	3218	3361	2724	2048	2475	-676	-291
TEXAS Wind	11675	9702	16384	16756	19072	22879	21056	3807	11353
US Wind	40137	36822	64240	56462	54014	63443	58431	9428	21610

Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY					MTD		
	Same 30 days	Same 30 days	Apr-22	May-22	Jun-22	Jul-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
US Wind	40137	36822	64240	56462	54014	63443	58431	▼-5011.2	▲ 21610
US Solar	12046	14430	16265	18186	19216	19728	19431	▼-296.8	▲ 5001
US Petroleum	992	1055	979	518	1204	1333	1266	▼ -66	▲ 212
US Other	8696	8474	7373	7724	8994	9775	9311	▼ -465	▲ 837
US Coal	94819	125155	77400	85273	109706	119543	113801	▼-5742	▼-11354
US Nuke	94348	91949	77317	85496	91073	90696	91001	▲ 306	▼-948
US Hydro	36253	32131	28877	31369	38153	39690	38933	▼-757	▲ 6803
US Gas	191405	194285	132665	157565	204668	220700	212623	▼-12032	▲ 18338
US Total	477361	504557	405650	443965	530484	566968	547805	▼-19054	▲ 43248

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

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.

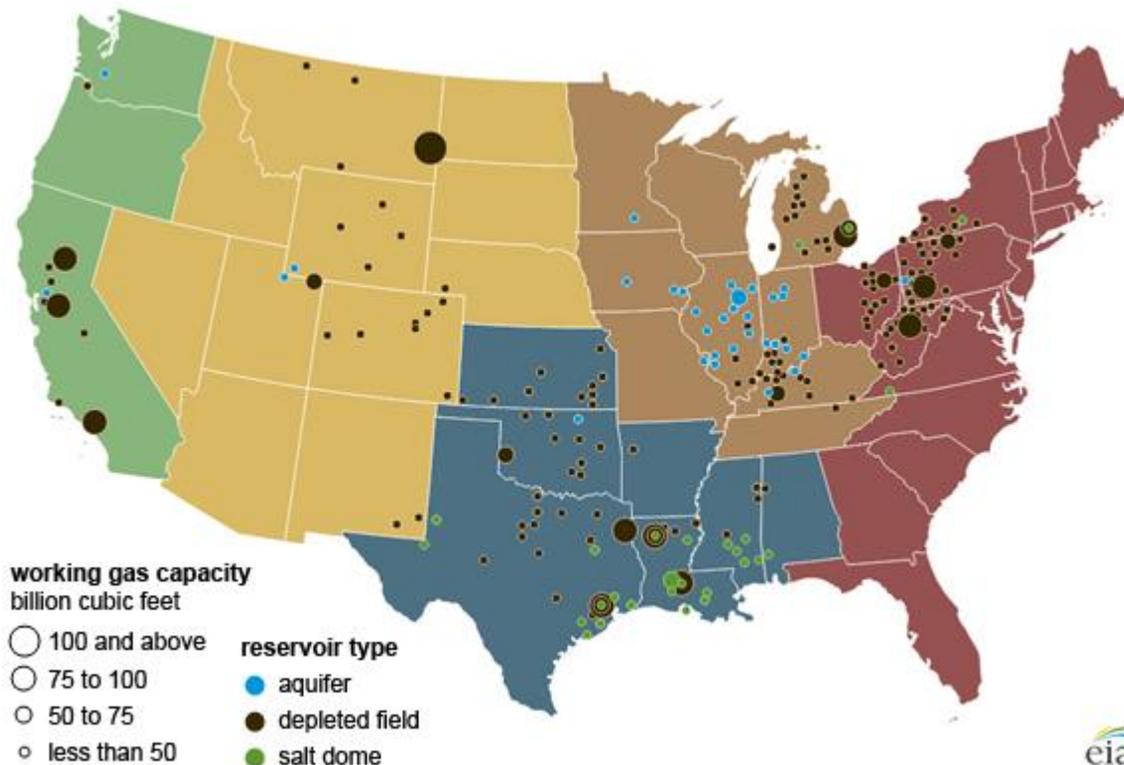
Regional S/D Models Storage Projection

Week Ending 1-Jul

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	9.7	0.1	9.8	69
East	1.0	2.1	3.1	22
Midwest	5.0	-1.4	3.6	25
Mountain	4.7	-3.9	0.9	6
South Central	-2.8	4.2	1.4	10
Pacific	1.7	-0.9	0.8	5

*Adjustment Factor is calculated based on historical regional deltas

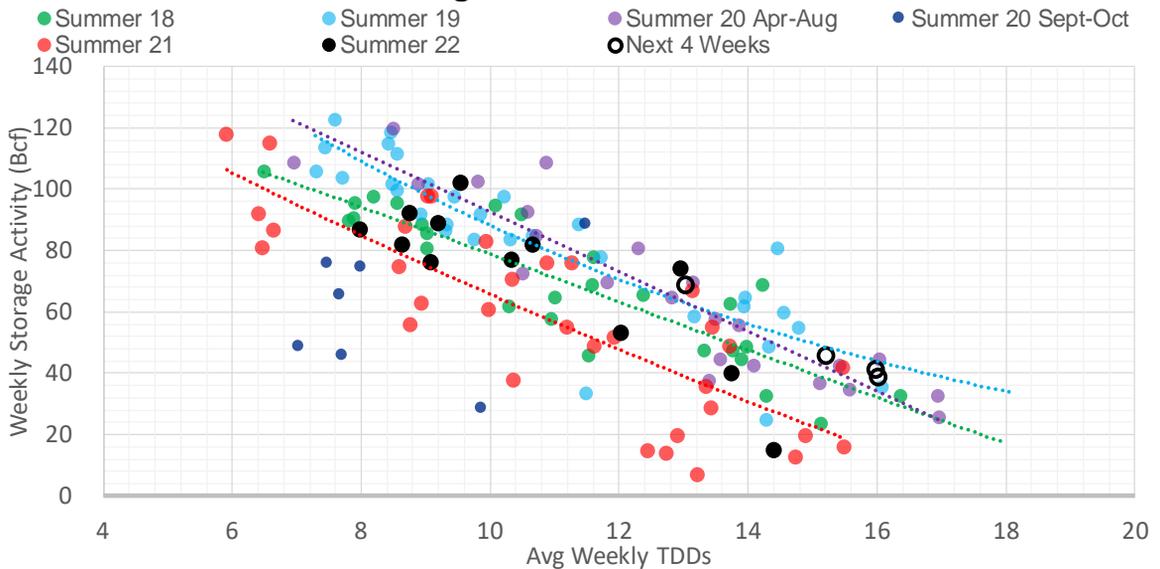
U.S. underground natural gas storage facilities by type (July 2015)



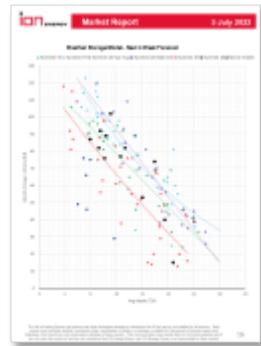
Weather Model Storage Projection

Next report and beyond		
Week Ending	GWDDs	Week Storage Projection
01-Jul	13.1	69
08-Jul	15.2	46
15-Jul	16.0	41
22-Jul	16.0	39

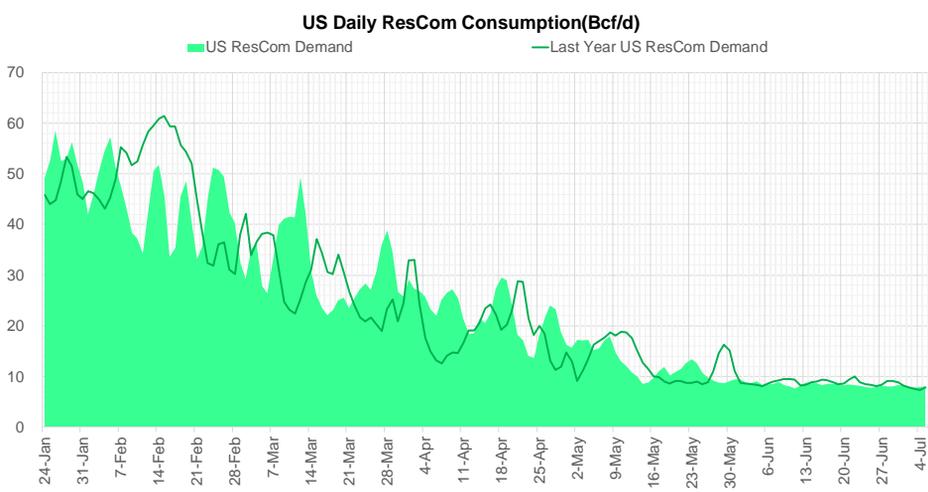
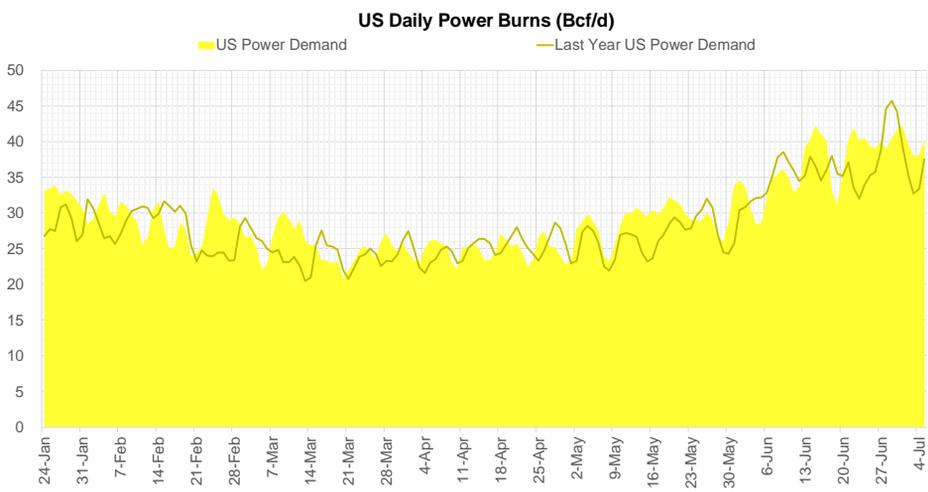
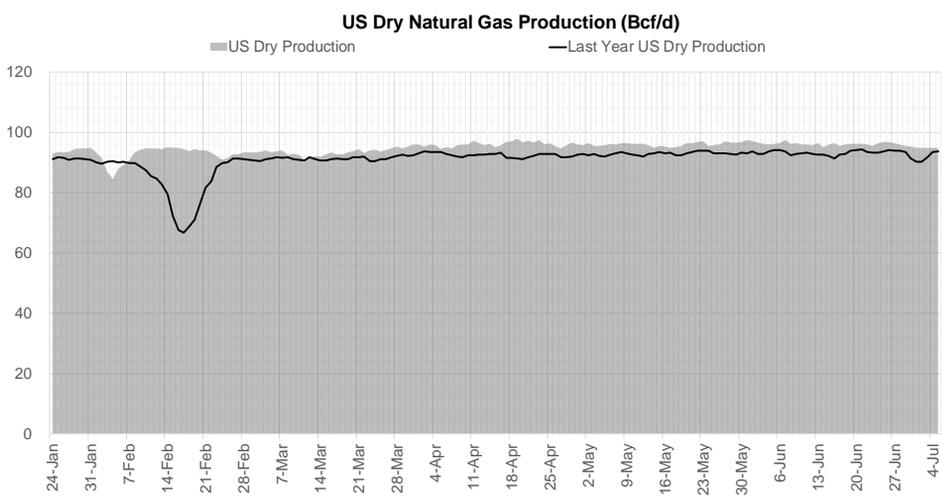
Weather Storage Model - Next 4 Week Forecast



Go to larger image



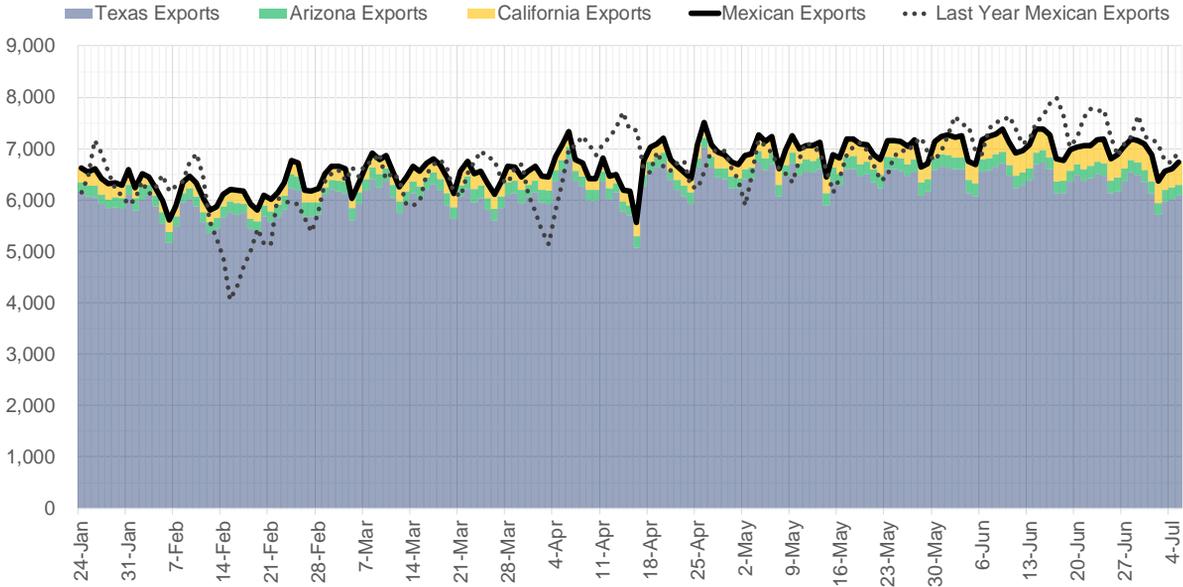
Supply – Demand Trends



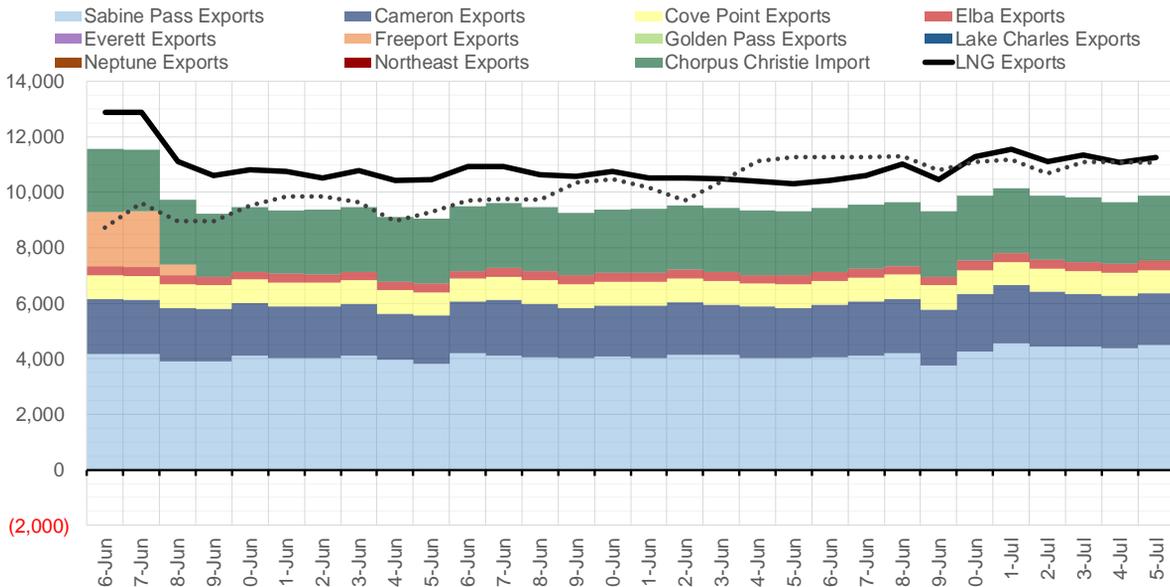
Source: Bloomberg

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Mexican Exports (MMcf/d)



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



Source: Bloomberg

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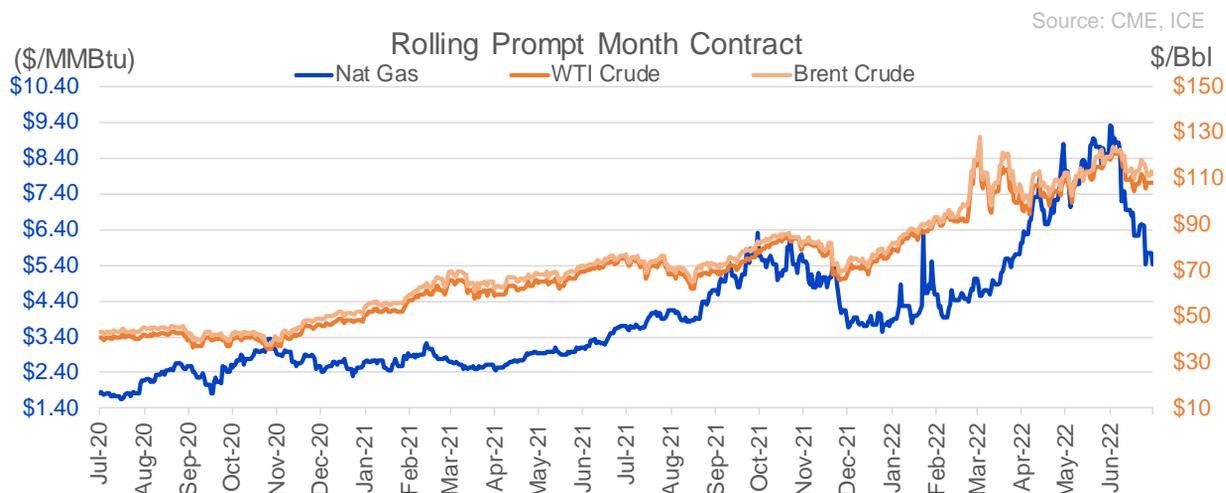
Nat Gas Options Volume and Open Interest CME and ICE Combined

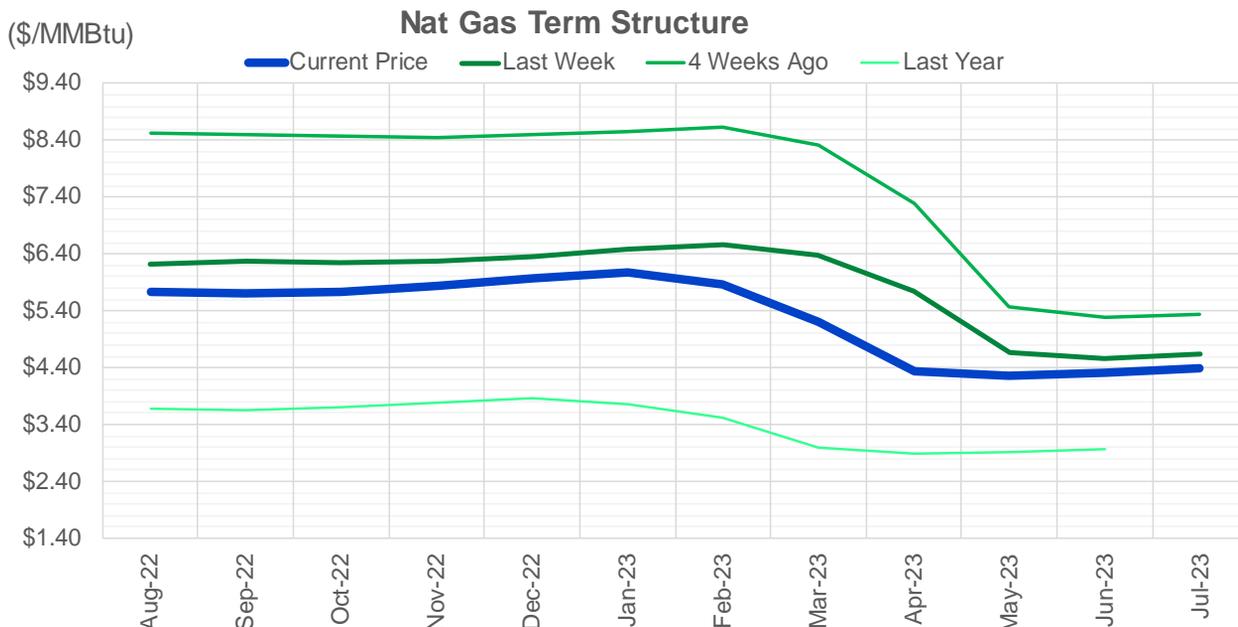
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
8	2022	P	5.50	3605	8	2022	C	10.00	41972
8	2022	P	5.00	3589	8	2022	C	12.00	38204
8	2022	C	7.00	2469	10	2022	C	6.00	35534
10	2023	P	2.50	2150	8	2022	C	10.50	31258
3	2023	C	1.00	2036	10	2022	P	6.00	24055
3	2023	P	1.00	2036	9	2022	C	6.00	23788
8	2022	C	6.00	2017	10	2022	C	5.00	23365
10	2022	P	5.00	1952	10	2022	P	3.00	23139
10	2022	P	6.00	1733	8	2022	C	7.00	22449
8	2022	C	10.50	1637	8	2022	C	12.10	22003
8	2022	P	5.25	1605	8	2022	P	6.00	21598
1	2023	C	7.00	1525	9	2022	C	10.00	21179
8	2022	P	5.75	1509	10	2022	P	3.50	20985
8	2022	P	4.75	1449	8	2022	C	6.00	20192
10	2022	P	4.00	1442	10	2022	P	2.50	19851
8	2022	P	6.00	1392	5	2023	P	2.00	19377
8	2022	C	9.00	1253	9	2022	P	4.00	19338
3	2023	C	6.00	1125	3	2023	C	10.00	19116
8	2022	C	6.50	1028	8	2022	C	8.00	18738
10	2023	P	3.00	1000	8	2022	C	9.00	18491
8	2022	P	4.00	996	1	2023	C	10.00	18454
11	2022	C	10.00	938	9	2022	C	7.00	18283
1	2023	C	8.00	932	12	2022	C	5.00	18221
3	2023	C	8.00	932	8	2022	P	7.00	17326
10	2022	C	6.00	931	10	2022	P	2.00	16902
8	2022	C	9.50	915	10	2023	P	2.00	16680
8	2022	C	10.00	914	2	2023	C	10.00	16349
10	2022	P	5.75	901	10	2022	C	10.00	16160
12	2022	C	6.00	894	9	2022	C	4.00	15970
9	2022	C	6.00	886	10	2022	P	4.00	15753
10	2022	C	10.00	881	8	2022	P	5.50	15724
2	2023	P	4.00	839	12	2022	P	5.00	15398
8	2022	C	8.00	830	9	2022	P	2.50	15293
8	2022	P	4.25	824	9	2022	P	3.00	14939
12	2022	C	10.00	824	10	2022	P	5.00	14938
2	2023	C	6.00	820	9	2022	P	2.75	14887
1	2023	C	6.00	785	8	2022	P	3.00	14869
8	2022	P	4.20	753	10	2022	C	8.00	14533
3	2023	C	10.00	738	10	2022	P	3.25	14457
8	2022	P	4.50	729	10	2023	P	3.00	14155
9	2022	P	4.00	650	4	2023	P	3.00	14032
2	2023	C	8.00	632	12	2022	C	6.00	13819
3	2023	P	4.00	602	10	2022	C	7.00	13726
12	2022	C	8.00	600	8	2022	P	4.00	13654
3	2023	C	7.00	600	9	2022	C	9.00	13520
10	2022	C	7.00	571	3	2023	P	3.00	13518
10	2023	C	6.00	560	8	2022	P	5.00	13389
8	2022	C	5.75	546	10	2022	C	4.00	13308
9	2022	P	5.00	543	8	2022	C	3.00	13226
					9	2022	C	3	13225

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
AUG 22	100553	102882	-2329	AUG 22	76905	78296	-1390
SEP 22	141624	140740	884	SEP 22	79371	79303	68
OCT 22	93967	95159	-1192	OCT 22	72737	73286	-549
NOV 22	56346	55509	837	NOV 22	60332	60362	-30
DEC 22	54521	54158	363	DEC 22	64313	64603	-291
JAN 23	61400	60560	840	JAN 23	64148	64461	-313
FEB 23	31175	30909	266	FEB 23	53892	53853	39
MAR 23	49169	48461	708	MAR 23	49933	50304	-371
APR 23	67838	68153	-315	APR 23	50521	50170	351
MAY 23	57356	57758	-402	MAY 23	50983	51161	-178
JUN 23	21002	21171	-169	JUN 23	44251	44373	-122
JUL 23	21484	22707	-1223	JUL 23	44039	44055	-16
AUG 23	15175	15334	-159	AUG 23	42890	42946	-56
SEP 23	15791	16130	-339	SEP 23	41986	42059	-73
OCT 23	39583	39150	433	OCT 23	49281	49332	-51
NOV 23	12283	12259	24	NOV 23	44362	44435	-73
DEC 23	12136	12141	-5	DEC 23	40281	40353	-73
JAN 24	18324	18155	169	JAN 24	39580	39509	71
FEB 24	7864	7713	151	FEB 24	28519	28435	84
MAR 24	16056	16025	31	MAR 24	33039	32926	113
APR 24	13041	12859	182	APR 24	27589	27541	49
MAY 24	6487	6146	341	MAY 24	26401	26367	34
JUN 24	2266	2224	42	JUN 24	23390	23329	61
JUL 24	2005	1954	51	JUL 24	23318	23255	63
AUG 24	3057	3013	44	AUG 24	23656	23591	66
SEP 24	1413	1393	20	SEP 24	23090	23027	63
OCT 24	7061	7120	-59	OCT 24	26429	25716	713
NOV 24	4597	4553	44	NOV 24	24238	24254	-16
DEC 24	7198	7156	42	DEC 24	26125	26165	-40
JAN 25	13452	13392	60	JAN 25	18217	17522	695





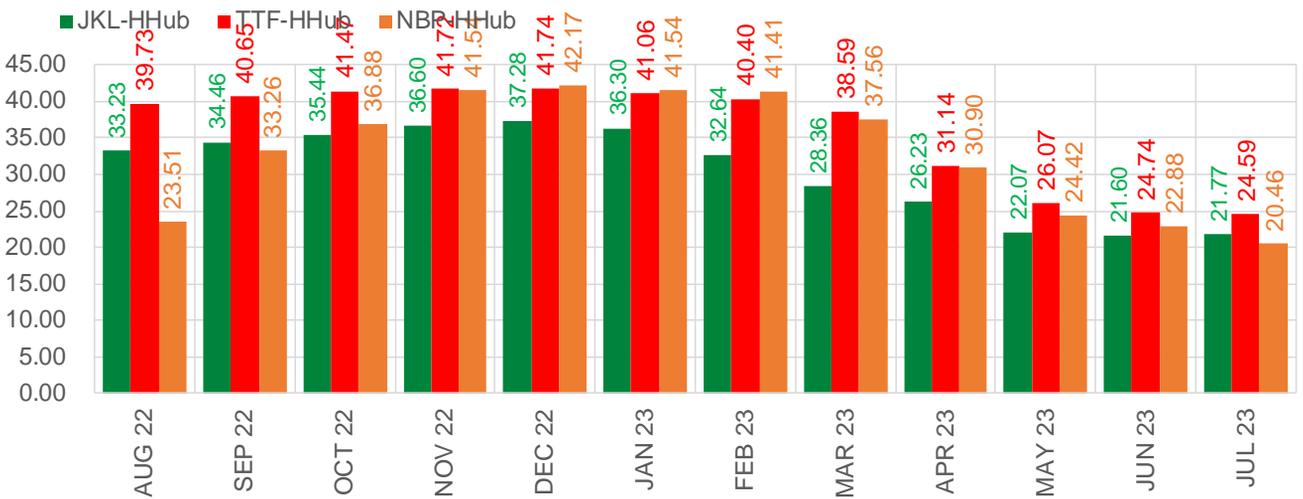
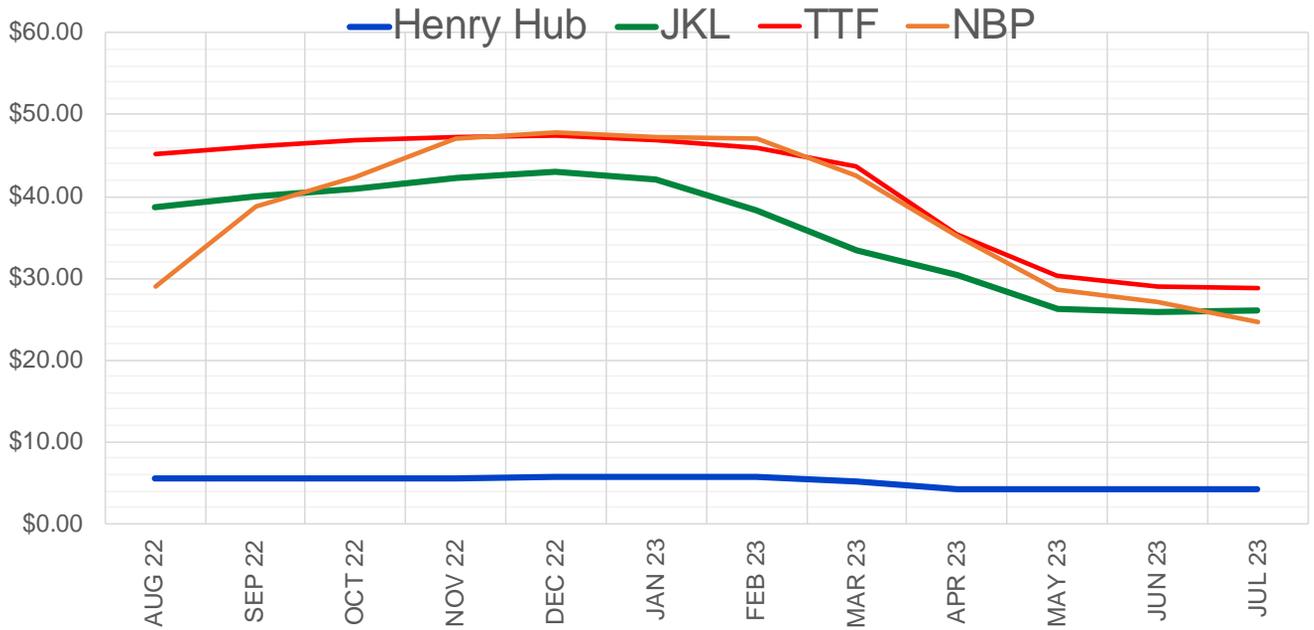
	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
Current Price	\$5.730	\$5.712	\$5.729	\$5.837	\$5.969	\$6.066	\$5.852	\$5.215	\$4.339	\$4.257	\$4.319	\$4.381
Last Week	\$6.220	\$6.281	\$6.258	\$6.268	\$6.357	\$6.473	\$6.564	\$6.374	\$5.748	\$4.663	\$4.568	\$4.632
vs. Last Week	-\$0.490	-\$0.569	-\$0.529	-\$0.431	-\$0.388	-\$0.407	-\$0.712	-\$1.159	-\$1.409	-\$0.406	-\$0.249	-\$0.251
4 Weeks Ago	\$8.523	\$8.510	\$8.473	\$8.446	\$8.492	\$8.562	\$8.635	\$8.310	\$7.278	\$5.481	\$5.296	\$5.343
vs. 4 Weeks Ago	-\$2.793	-\$2.798	-\$2.744	-\$2.609	-\$2.523	-\$2.496	-\$2.783	-\$3.095	-\$2.939	-\$1.224	-\$0.977	-\$0.962
Last Year	\$3.700	\$3.668	\$3.659	\$3.705	\$3.792	\$3.854	\$3.770	\$3.510	\$2.987	\$2.897	\$2.924	\$2.959
vs. Last Year	\$2.030	\$2.044	\$2.070	\$2.132	\$2.177	\$2.212	\$2.082	\$1.705	\$1.352	\$1.360	\$1.395	\$1.422

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	6.59	6.20	-0.39
TETCO M3	\$/MMBtu	5.07	5.78	0.71
FGT Zone 3	\$/MMBtu	5.18	7.12	1.94
Zone 6 NY	\$/MMBtu	5.18	5.71	0.53
Chicago Citygate	\$/MMBtu	5.43	6.31	0.88
Michcon	\$/MMBtu	5.51	6.25	0.74
Columbia TCO Pool	\$/MMBtu	5.11	5.67	0.56
Ventura	\$/MMBtu	5.95	6.15	0.20
Rockies/Opal	\$/MMBtu	6.12	6.07	-0.05
El Paso Permian Basin	\$/MMBtu	5.20	5.83	0.63
Socal Citygate	\$/MMBtu	5.30	6.95	1.65
Malin	\$/MMBtu	5.15	6.33	1.18
Houston Ship Channel	\$/MMBtu	5.45	6.32	0.87
Henry Hub Cash	\$/MMBtu	5.65	6.14	0.49
AECO Cash	C\$/GJ	4.11	5.59	1.48
Station2 Cash	C\$/GJ	4.79	5.97	1.18
Dawn Cash	C\$/GJ	5.64	6.28	0.64

Source: CME, Bloomberg

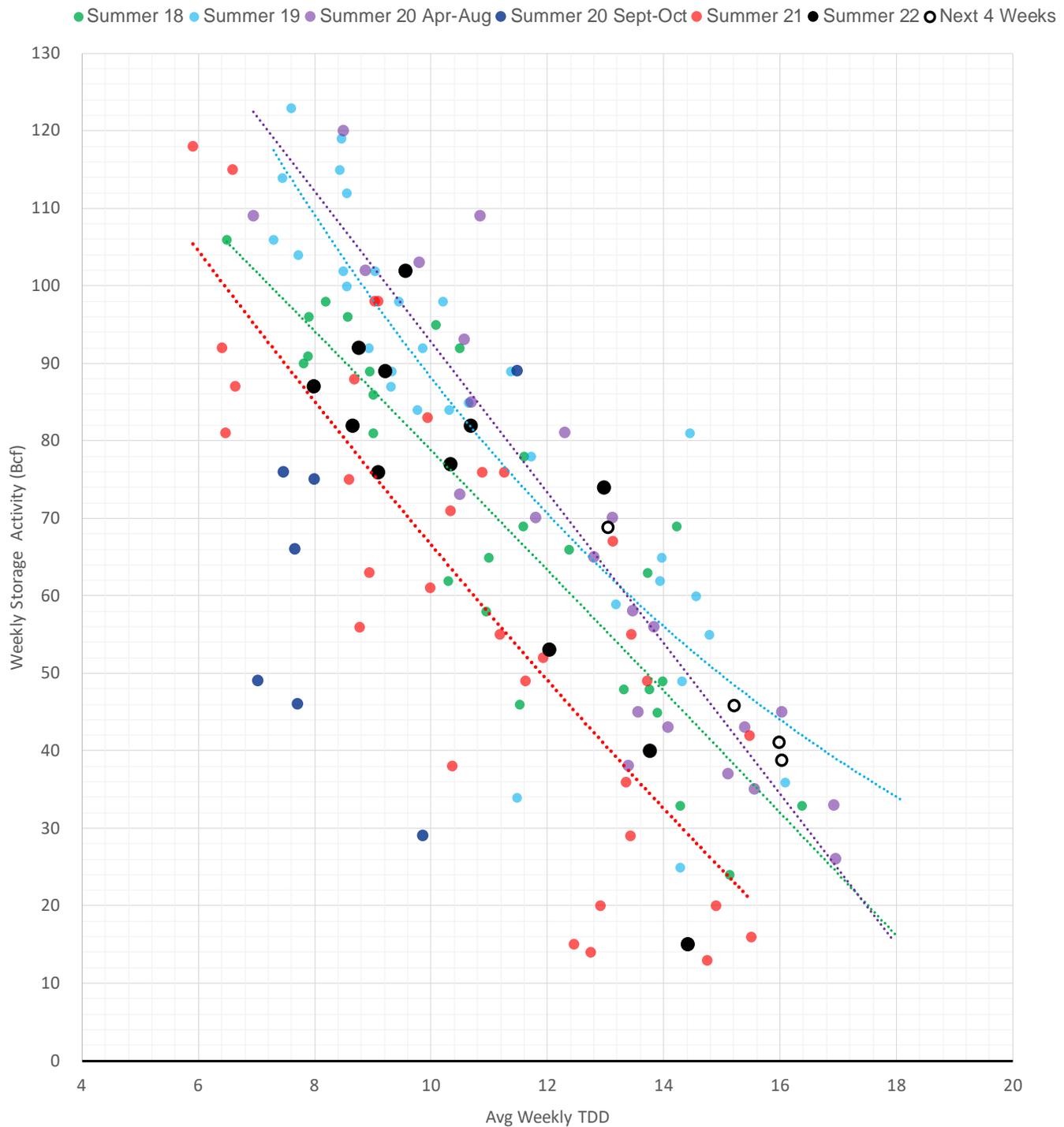
	Units	Current Price	vs. Last Week	vs. 4 Weeks Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 2.182
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.315
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -2.012
NatGas Apr22/Oct22	\$/MMBtu	0.393	▼ -0.828	▼ -3.491	▲ 0.402
WTI Crude	\$/Bbl	108.43	▼ -1.140	▼ -10.070	▲ 33.270
Brent Crude	\$/Bbl	113.50	▼ -1.590	▼ -6.010	▲ 36.340
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	393.89	▼ -29.130	▼ -42.120	▲ 175.980
Propane, Mt. Bel	cents/Gallon	1.22	▲ 0.002	▼ -0.021	▲ 0.106
Ethane, Mt. Bel	cents/Gallon	0.48	▼ -0.167	▼ -0.198	▲ 0.173
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)



	AUG 22	SEP 22	OCT 22	NOV 22	DEC 22	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23
Henry Hub	\$5.447	\$5.461	\$5.472	\$5.602	\$5.742	\$5.787	\$5.636	\$5.053	\$4.238	\$4.171	\$4.251	\$4.281
JKL	\$38.675	\$39.920	\$40.910	\$42.205	\$43.025	\$42.090	\$38.280	\$33.410	\$30.470	\$26.240	\$25.855	\$26.050
JKL-HHub	\$33.228	\$34.459	\$35.438	\$36.603	\$37.283	\$36.303	\$32.644	\$28.357	\$26.232	\$22.069	\$21.604	\$21.769
TTF	\$45.180	\$46.115	\$46.946	\$47.317	\$47.486	\$46.847	\$46.037	\$43.639	\$35.382	\$30.238	\$28.988	\$28.872
TTF-HHub	\$39.733	\$40.654	\$41.474	\$41.715	\$41.744	\$41.060	\$40.401	\$38.586	\$31.144	\$26.067	\$24.737	\$24.591
NBP	\$28.956	\$38.721	\$42.356	\$47.137	\$47.912	\$47.328	\$47.050	\$42.608	\$35.135	\$28.590	\$27.131	\$24.740
NBP-HHub	\$23.509	\$33.260	\$36.884	\$41.535	\$42.170	\$41.541	\$41.414	\$37.555	\$30.897	\$24.419	\$22.880	\$20.459

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.

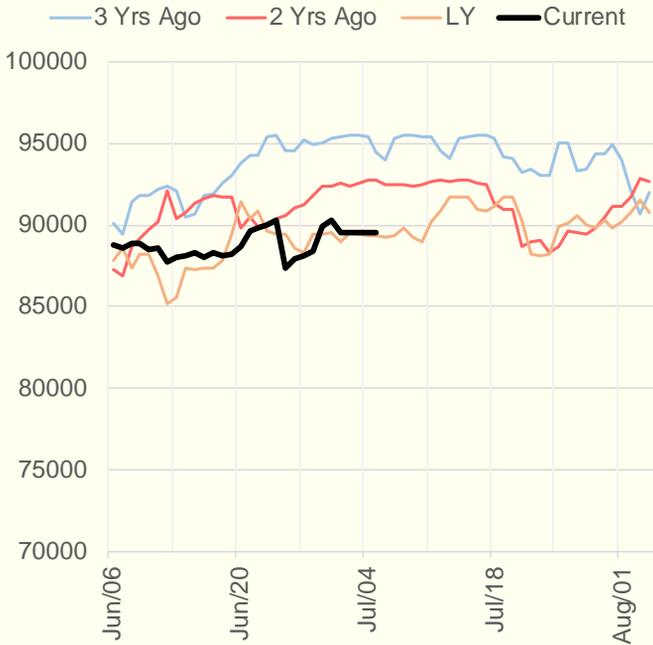
Weather Storage Model - Next 4 Week Forecast

● Apr-May 2021
 ● June-Aug 2021
 ● Sept-Oct 2021
 ● Summer 22
 ○ Next 4 Weeks

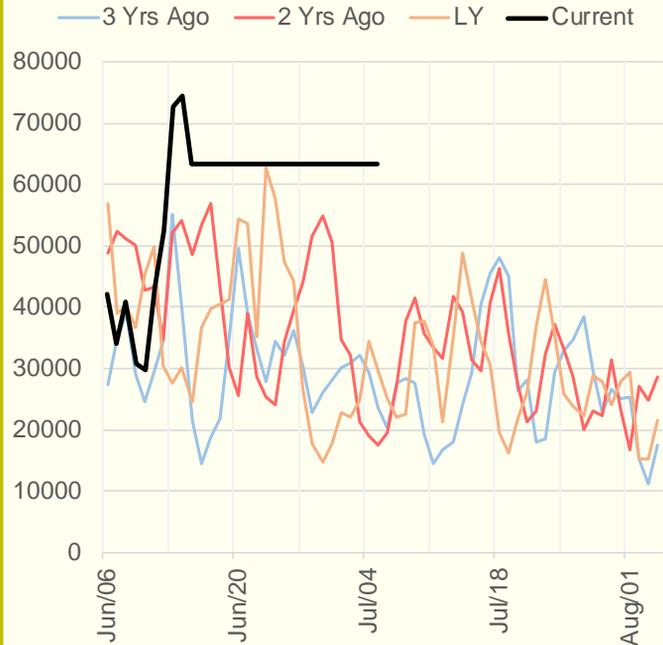


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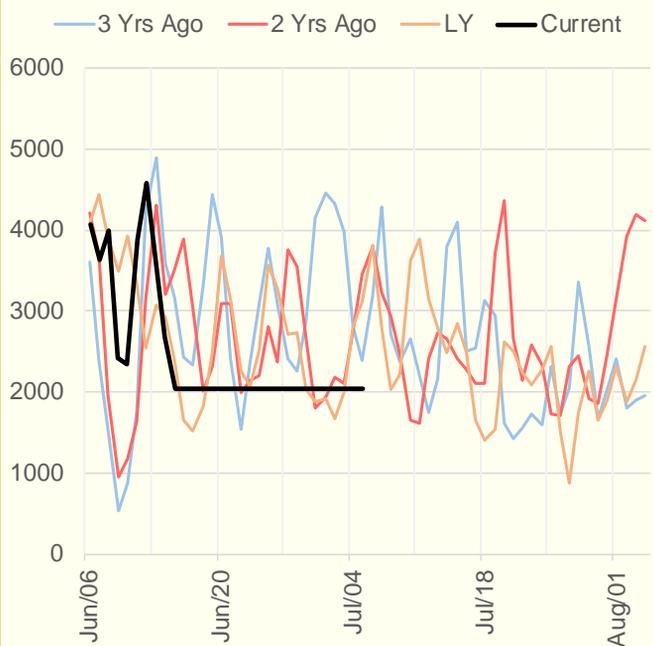
NRC Nuclear Daily Output



US Wind



CALI Wind



TEXAS Wind

