

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 4.29	▲ \$ 0.03	▼ \$ (0.05)

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 84.96	▲ \$ 1.14	▲ \$ 1.9

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 87.27	▲ \$ 0.79	▲ \$ 1.9

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[Lower 48 Component Models](#)

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

[Weather Model Storage Projection](#)

[Supply – Demand Trends](#)

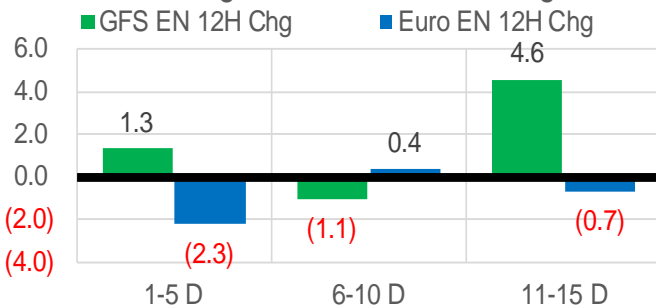
[Nat Gas Options Volume and Open Interest](#)

[Nat Gas Futures Open Interest](#)

[Price Summary](#)

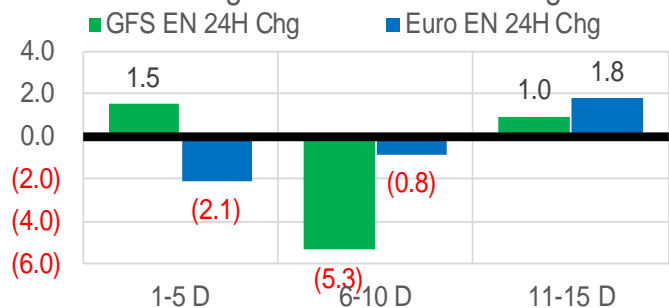
Vs. 12H Ago

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	94.8	▲ 0.68	▼ -0.43

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	29.5	▼ -1.19	▼ -0.36

	Current	Δ from YD	Δ from 7D Avg
US ResComm	43.5	▼ -1.95	▼ -2.93

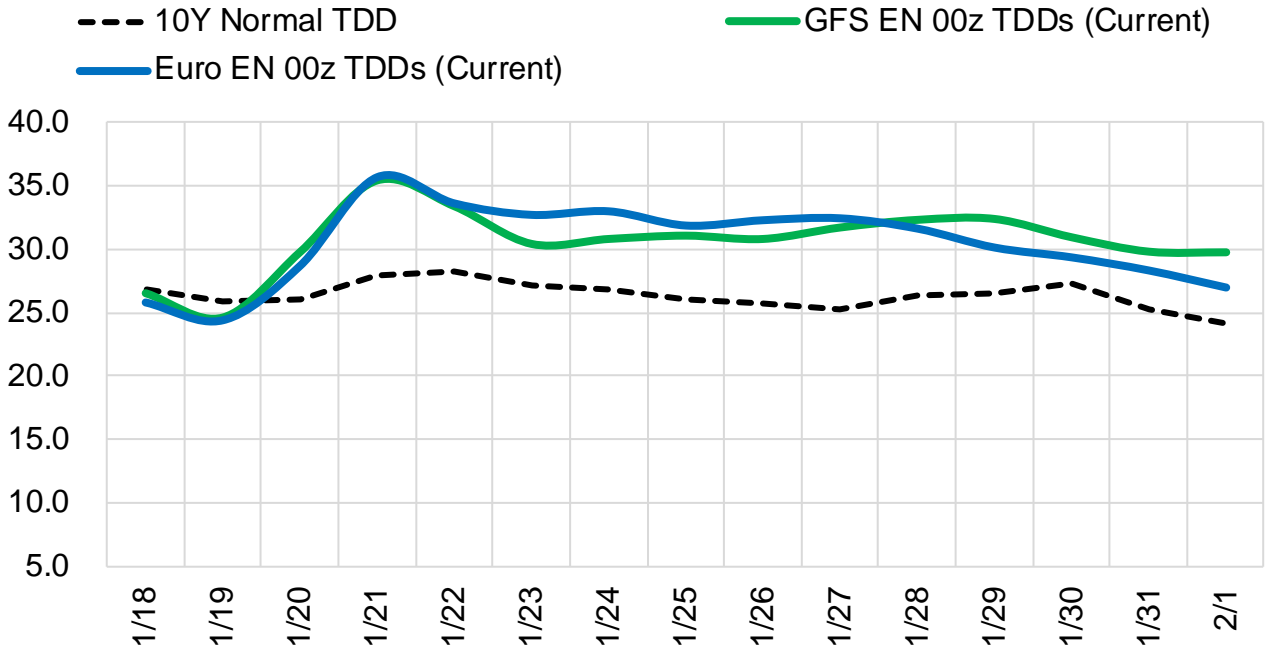
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	6.8	▼ -0.17	▲ 0.01

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	12.3	▼ -0.66	▼ -0.50

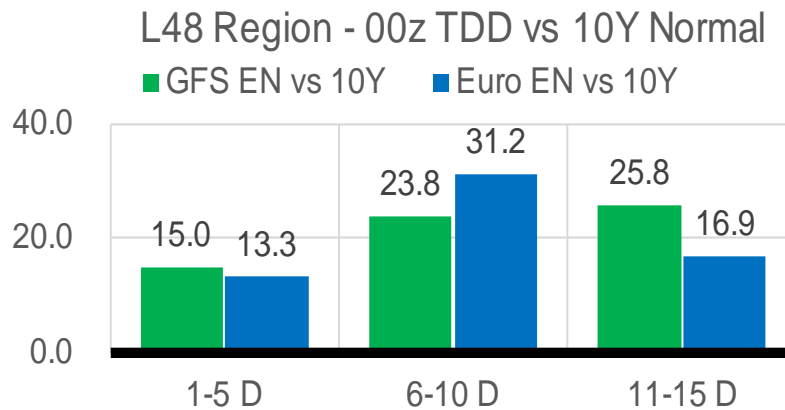
	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.4	▲ 0.05	▼ -0.04

Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal



Source: WSI , Bloomberg

Lower 48 Component Models

Daily Balances

	12-Jan	13-Jan	14-Jan	15-Jan	16-Jan	17-Jan	18-Jan	DoD	vs. 7D
Lower 48 Dry Production	95.3	96.0	95.8	94.9	95.2	94.1	94.8	▲ 0.7	▼ -0.4
Canadian Imports	6.4	6.4	6.7	7.2	6.9	6.9	6.8	▼ -0.2	▼ 0.0
L48 Power	30.4	29.8	27.6	29.1	30.6	30.7	29.5	▼ -1.2	▼ -0.2
L48 Residential & Commercial	42.0	38.0	43.8	53.2	50.9	45.4	43.5	▼ -2.0	▼ -2.1
L48 Industrial	25.2	25.1	26.0	27.1	27.0	26.2	25.4	▼ -0.7	▼ -0.7
L48 Lease and Plant Fuel	5.2	5.3	5.2	5.2	5.2	5.1	5.2	▲ 0.0	▼ -0.1
L48 Pipeline Distribution	3.5	3.3	3.5	4.0	3.9	3.7	3.5	▼ -0.2	▼ -0.1
L48 Regional Gas Consumption	106.3	101.5	106.2	118.7	117.6	111.1	107.1	▼ -4.0	▼ -3.1
Net LNG Delivered	12.94	12.51	13.05	13.07	13.20	12.99	12.33	▼ -0.7	▼ -0.6
Total Mexican Exports	6.6	6.7	6.5	6.1	6.3	6.3	6.4	▲ 0.1	▼ 0.0
Implied Daily Storage Activity	-24.0	-18.2	-23.2	-35.7	-34.9	-29.4	-24.2		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	10-Dec	17-Dec	24-Dec	31-Dec	7-Jan	14-Jan	WoW	vs. 4W
Lower 48 Dry Production	96.6	96.5	96.8	98.7	95.4	95.4	▲ 0.1	▼ -1.4
Canadian Imports	5.3	4.6	5.0	4.2	5.7	6.5	▲ 0.9	▲ 1.7
L48 Power	29.1	28.4	29.9	26.4	29.9	30.4	▲ 0.5	▲ 1.7
L48 Residential & Commercial	35.4	31.4	40.3	33.4	44.3	47.4	▲ 3.2	▲ 10.1
L48 Industrial	23.7	23.7	24.0	22.2	26.2	25.8	▼ -0.4	▲ 1.8
L48 Lease and Plant Fuel	5.2	5.2	5.2	5.4	5.2	5.2	▲ 0.0	▼ 0.0
L48 Pipeline Distribution	3.2	3.0	3.5	3.0	3.6	3.8	▲ 0.2	▲ 0.5
L48 Regional Gas Consumption	96.7	91.7	103.0	90.3	109.1	112.6	▲ 3.5	▲ 14.1
Net LNG Exports	12.0	11.9	12.7	12.3	11.9	12.3	▲ 0.4	▲ 0.2
Total Mexican Exports	6.4	6.2	6.1	5.8	5.9	6.3	▲ 0.4	▲ 0.3
Implied Daily Storage Activity	-13.2	-8.8	-20.0	-5.5	-25.9	-29.3		-3.4
EIA Reported Daily Storage Activity	-12.6	-7.9	-19.4	-4.4	-25.6			
Daily Model Error	-0.6	-0.9	-0.5	-1.1	-0.3			

Monthly Balances

	2Yr Ago Jan-20	LY Jan-21	Sep-21	Oct-21	Nov-21	Dec-21	MTD Jan-22	MoM	vs. LY
Lower 48 Dry Production	94.6	91.4	93.4	94.3	95.9	97.1	95.2	▼ -1.9	▲ 3.7
Canadian Imports	4.8	6.3	5.1	5.4	5.3	4.8	6.4	▲ 1.7	▲ 0.2
L48 Power	29.9	28.3	33.1	30.5	28.8	28.4	30.2	▲ 1.9	▲ 2.0
L48 Residential & Commercial	41.7	44.0	8.8	12.5	29.4	34.5	47.3	▲ 12.9	▲ 3.4
L48 Industrial	24.5	23.8	20.2	21.0	22.4	23.3	26.3	▲ 2.9	▲ 2.5
L48 Lease and Plant Fuel	5.1	5.0	5.1	5.2	5.2	5.3	5.2	▼ -0.1	▲ 0.2
L48 Pipeline Distribution	3.6	3.5	2.3	2.4	3.1	3.1	3.8	▲ 0.6	▲ 0.3
L48 Regional Gas Consumption	104.8	104.6	69.4	71.5	88.9	94.5	112.8	▲ 18.3	▲ 8.2
Net LNG Exports	8.4	10.5	10.3	10.6	11.4	12.1	12.4	▲ 0.2	▲ 1.9
Total Mexican Exports	5.1	6.2	6.7	6.6	6.1	6.1	6.2	▲ 0.1	▲ 0.0
Implied Daily Storage Activity	-18.9	-23.5	12.1	11.0	-5.2	-11.0	-29.8		
EIA Reported Daily Storage Activity									
Daily Model Error									

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	10-Jan	11-Jan	12-Jan	13-Jan	14-Jan	15-Jan	16-Jan	DoD	vs. 7D
NRC Nuclear Daily Output	90.1	90.6	91.5	91.4	91.5	91.5	91.5	0.0	0.4
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	14.7	14.3	13.4	13.5	13.4	13.4	13.4	0.0	-0.4
NRC % Nuclear Cap Utilization	91.7	92.1	93.1	92.9	93.0	93.0	93.0	0.0	0.4

Wind Generation Daily Average - MWh (EIA)

	10-Jan	11-Jan	12-Jan	13-Jan	14-Jan	15-Jan	16-Jan	DoD	vs. 7D
CALI Wind	885	906	640	905	2010	1011	467	-544	-593
TEXAS Wind	7450	10479	4804	2637	17366	21278	6333	-14945	-4336
US Wind	35807	60522	41285	29134	57108	62947	39222	-23725	-8579

Generation Daily Average - MWh (EIA)

	10-Jan	11-Jan	12-Jan	13-Jan	14-Jan	15-Jan	16-Jan	DoD	vs. 7D
US Wind	35807	60522	41285	29134	57108	62947	39222	-23725	-8579
US Solar	8376	9830	9451	8830	8921	5975	7872	1897	-692
US Petroleum	5593	5655	4536	4448	4159	6337	6532	195	1411
US Other	9263	7621	7503	6150	6574	7138	7640	502	265
US Coal	121431	117551	116805	113799	109086	112359	123990	11631	8818
US Nuke	95413	96120	96705	96343	95928	94104	94240	136	-1529
US Hydro	35282	34955	33655	32750	33733	34968	34158	-809	-65
US Gas	172639	171161	167201	167271	140984	148947	167474	18527	6107

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Storage Week Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)

	10-Dec	17-Dec	24-Dec	31-Dec	7-Jan	14-Jan	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	88.0	90.0	92.1	92.1	91.3	90.6	-0.7	0.1
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	16.9	14.9	12.8	12.8	13.6	14.3	0.7	
NRC % Nuclear Cap Utilization	0.1	0.1	0.1	0.1	0.1	0.1	0.0	

Wind Generation Weekly Average - MWh (EIA)

	10-Dec	17-Dec	24-Dec	31-Dec	7-Jan	14-Jan	WoW	WoW Bcf/d Impact
CALI Wind	1263	1709	943	2591	1603	1266	-338	0.1
TEXAS Wind	12216	16176	11007	13891	13603	10192	-3410	0.6
US Wind	51470	68412	48727	53100	57154	50730	-6423	1.2
					4053.3			
					8%			

Generation Weekly Average - MWh (EIA)

	10-Dec	17-Dec	24-Dec	31-Dec	7-Jan	14-Jan	WoW	WoW Bcf/d Impact
US Wind	51470	68412	48727	53100	57154	50730	-6423	1.2
US Solar	7413	7570	7098	6957	8464	9133	669	-0.1
US Petroleum	3440	2700	3581	3084	3038	4915	1877	-0.3
US Other	8398	8301	8532	7584	8301	8192	-109	0.0
US Coal	82743	76931	87380	80024	94989	115106	20117	-3.6
US Nuke	92983	95054	97422	97083	96342	95714	-628	0.1
US Hydro	29626	30257	32560	31279	34504	34135	-369	0.1
US Gas	159457	148807	166457	135611	154294	161477	7183	

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	Oct-21	Nov-21	Dec-21	Jan-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
NRC Nuclear Daily Output	94.3	90.9	75.5	82.7	90.3	91.1	91.5	0.8	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	10.6	13.9	29.4	22.2	14.6	13.8	13.4	-0.8	-0.5
NRC % Nuclear Cap Utilization	95.9	92.5	76.8	84.1	91.8	92.6	93.0	0.8	0.5

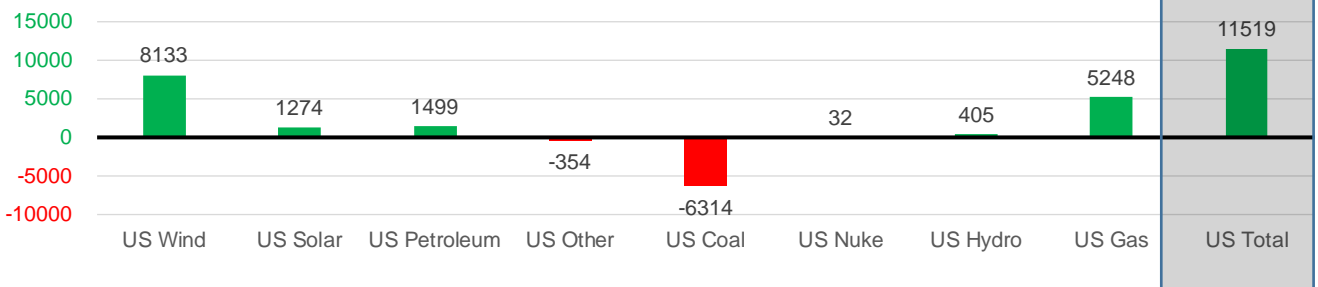
Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Oct-21	Nov-21	Dec-21	Jan-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
CALI Wind	1286	923	1765	1252	1585	1197	1568	-388	644
TEXAS Wind	10145	11590	11565	11869	12927	11685	11979	-1241	389
US Wind	40472	43911	43142	49974	54821	52134	52044	-2687	8133

Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD						
	Same 30 days	Same 30 days	Oct-21	Nov-21	Dec-21	Jan-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
US Wind	40472	43911	43142	49974	54821	52134	52044	▼ -90.0	▲ 8133
US Solar	4657	6692	11059	9690	7376	8662	7966	▼ -696.0	▲ 1274
US Petroleum	3513	2573	3239	3045	3134	4639	4072	▼ -567	▲ 1499
US Other	7864	8374	11109	8435	8214	8022	8019	▼ -3	▼ -354
US Coal	77148	105939	84432	80848	81683	110148	99624	▼ -10523	▼ -6314
US Nuke	97061	96228	77089	87404	95408	95596	96259	▲ 663	▲ 32
US Hydro	30493	33045	24078	26593	30805	34334	33449	▼ -884	▲ 405
US Gas	144581	150056	159049	151462	152399	159505	155303	▼ -12101	▲ 5248
US Total	418064	445469	413353	417925	434098	473282	456988	▼ -24111	▲ 11519

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

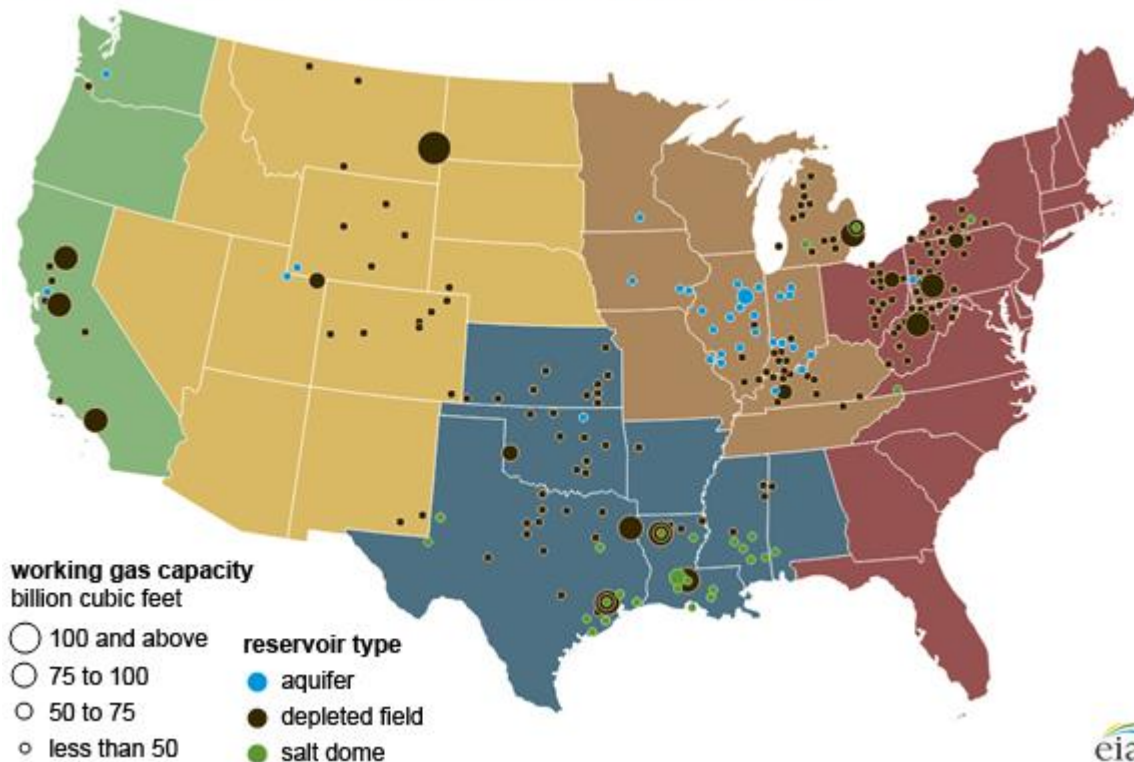
Regional S/D Models Storage Projection

Week Ending 14-Jan

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	-29.5	0.9	-28.6	-200
East	-11.6	2.5	-9.0	-63
Midwest	-8.0	0.1	-8.0	-56
Mountain	1.9	-2.9	-1.0	-7
South Central	-11.7	2.0	-9.7	-68
Pacific	-0.2	-0.8	-0.9	-6

*Adjustment Factor is calculated based on historical regional deltas

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

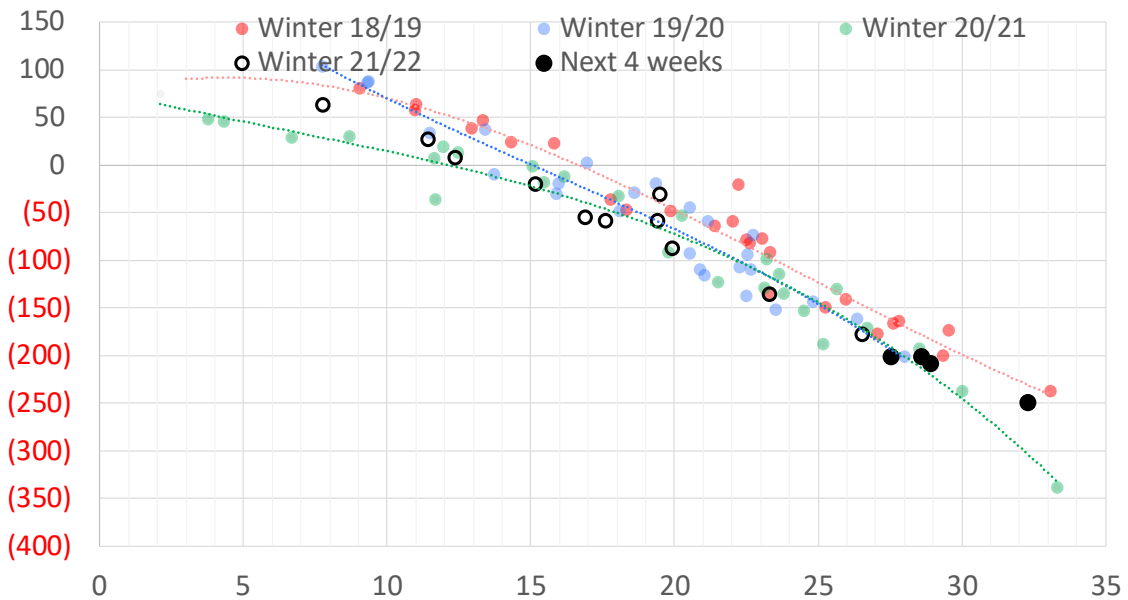


Weather Model Storage Projection

Next report
and beyond

Week Ending	GWDDs	Week Storage Projection
14-Jan	28	-200
21-Jan	29	-200
28-Jan	32	-249
04-Feb	29	-207

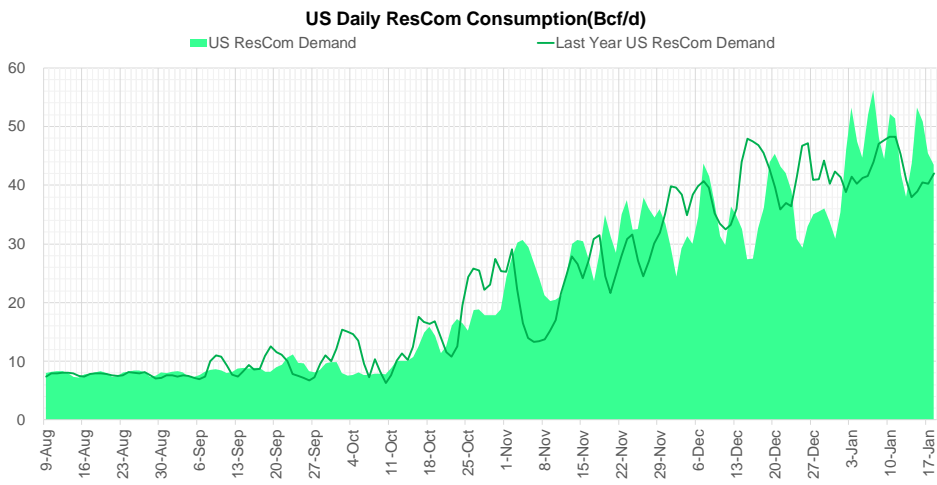
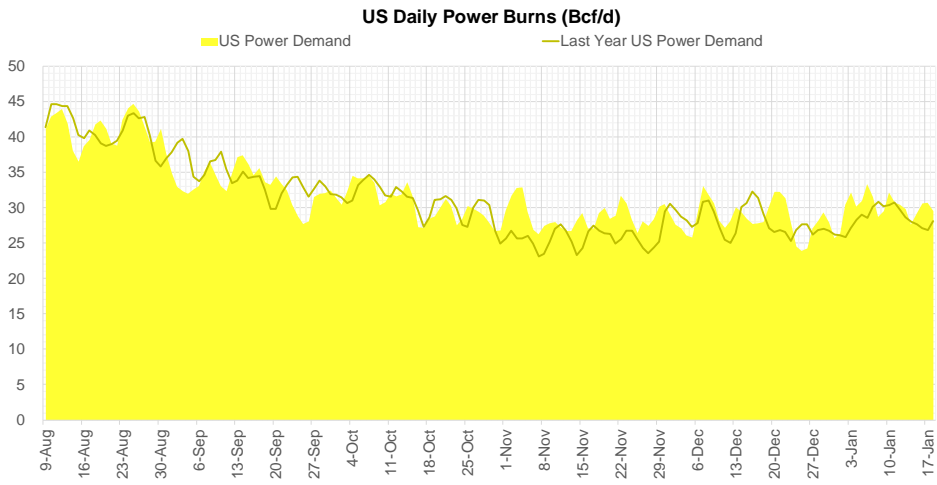
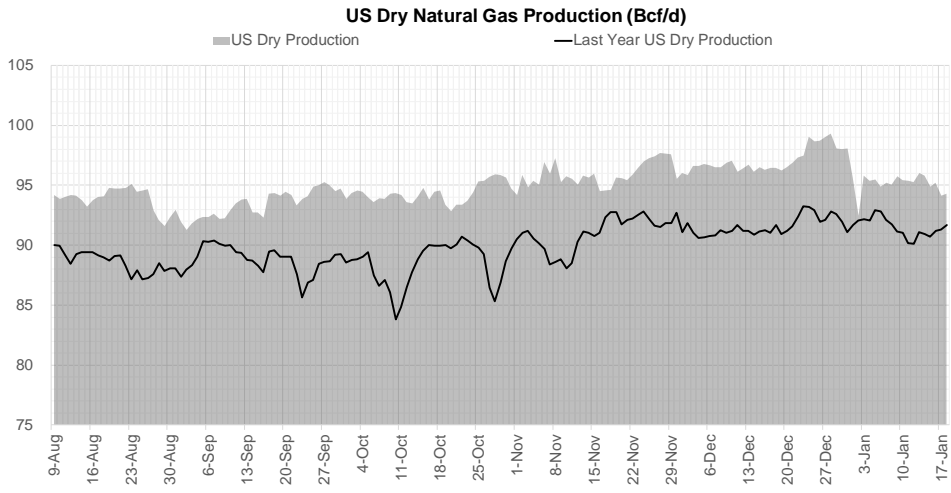
Weather Storage Model - Next 4 Week Forecast



Go to larger image



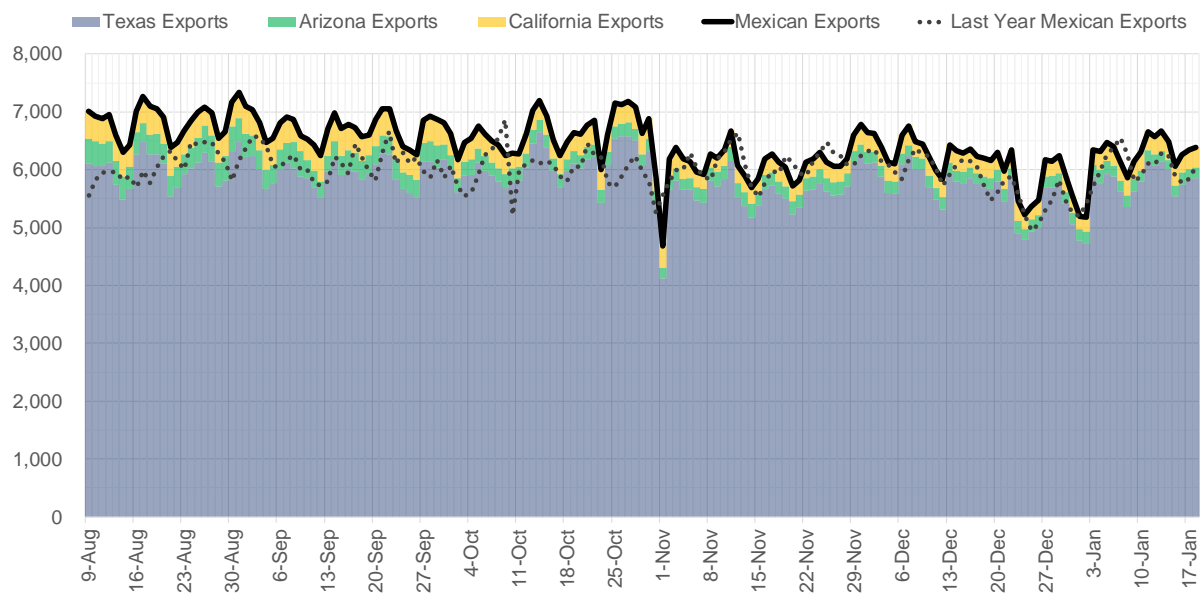
Supply – Demand Trends



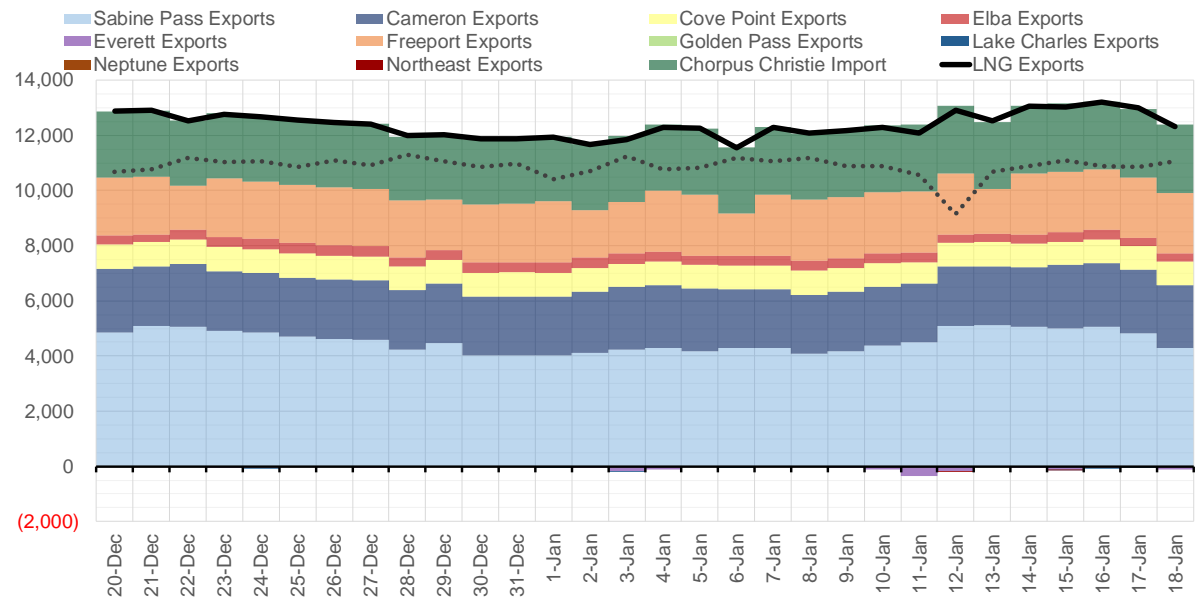
Source: Bloomberg

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

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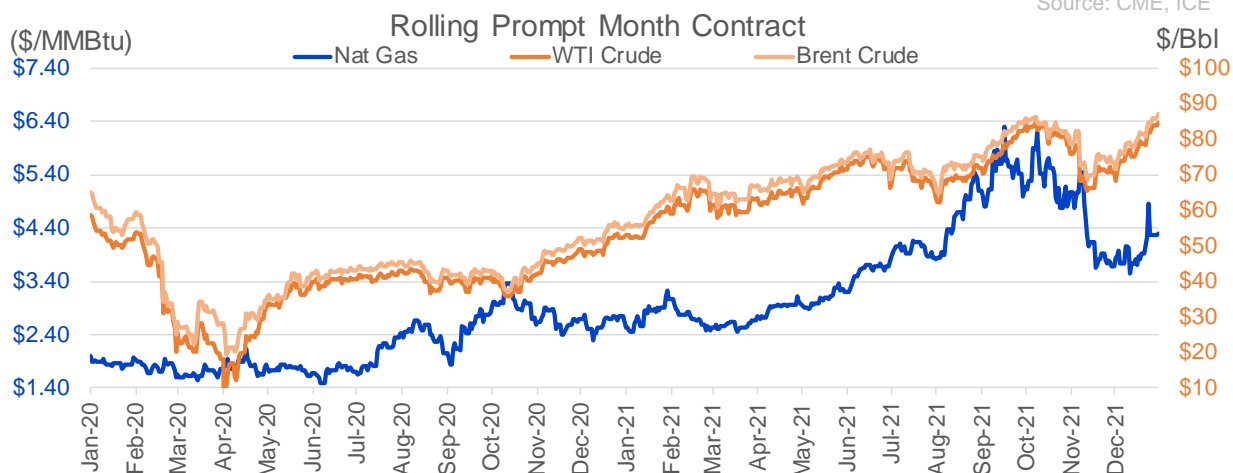
Nat Gas Options Volume and Open Interest CME and ICE Combined

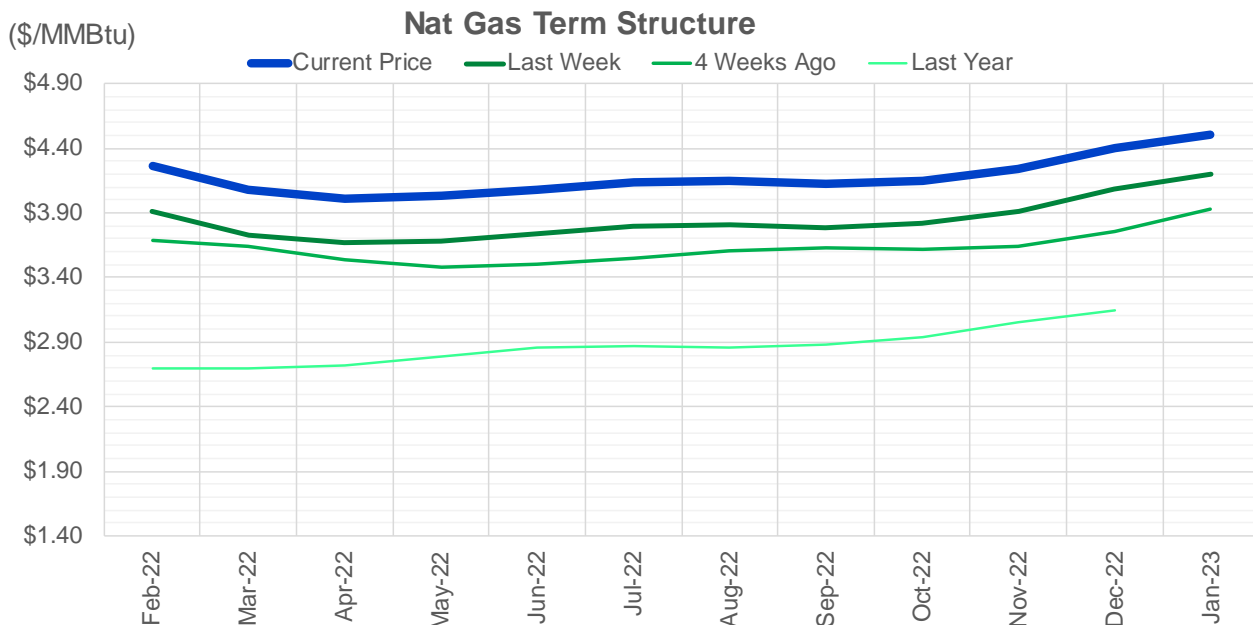
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
3	2022	P	3.50	4010	3	2022	C	10.00	35266
3	2022	P	3.00	3691	3	2022	C	5.00	34278
2	2022	P	4.00	3496	3	2022	C	8.00	31883
3	2022	P	3.15	3074	2	2022	C	4.00	27428
2	2022	C	4.50	2948	2	2022	C	5.00	25691
2	2022	C	5.00	2386	3	2022	C	4.00	24412
2	2022	P	3.75	2105	3	2022	P	3.00	24212
3	2022	C	4.00	1969	2	2022	P	3.50	21936
2	2022	P	3.50	1894	3	2022	P	2.50	21491
3	2022	P	3.25	1805	2	2022	C	6.00	20642
2	2022	C	6.00	1697	3	2022	C	6.00	20617
3	2022	P	3.75	1643	10	2022	C	6.00	20430
4	2022	C	6.00	1554	2	2022	P	4.00	20315
2	2022	P	3.80	1350	12	2022	C	5.00	19847
3	2022	C	4.50	1256	4	2022	C	3.00	19710
2	2022	C	7.00	1253	3	2022	P	4.00	19308
4	2022	C	5.00	1223	4	2022	C	5.00	18218
2	2022	C	4.25	1220	3	2022	P	3.50	17692
2	2022	C	8.00	1211	5	2022	P	3.00	17299
4	2022	P	3.25	1083	4	2022	P	2.50	17204
4	2023	P	2.75	1000	2	2022	C	4.50	16576
2	2022	C	4.80	887	4	2022	P	3.00	16232
3	2022	C	5.00	867	3	2022	C	7.00	15999
3	2022	C	6.50	867	6	2022	C	5.00	15885
2	2022	C	4.00	807	3	2022	C	4.50	15250
4	2022	C	4.50	684	3	2022	P	2.00	14985
4	2022	P	3.50	678	2	2022	P	3.00	14869
3	2022	P	3.10	601	10	2022	C	5.00	14567
3	2022	C	4.25	588	2	2022	C	10.00	14444
4	2022	P	3.00	588	2	2022	C	4.25	14028
2	2022	C	4.75	570	10	2022	P	2.00	13921
3	2022	P	4.00	551	3	2022	P	2.25	13917
6	2022	C	4.50	550	2	2022	C	8.00	13798
2	2022	C	7.50	545	5	2022	C	3.00	13733
2	2022	C	5.20	507	2	2022	P	3.75	13722
4	2022	C	7.00	500	3	2022	P	3.25	13686
1	2023	P	3.50	500	6	2022	C	6.00	13640
3	2023	P	2.75	500	3	2022	P	5.00	13591
3	2023	P	3.50	500	4	2022	C	4.00	13544
4	2023	C	4.50	500	2	2022	C	7.00	13503
5	2023	C	4.50	500	6	2022	C	3.00	13438
5	2023	P	2.75	500	2	2022	C	5.50	13383
6	2023	C	4.50	500	3	2022	C	3.50	13315
6	2023	P	2.75	500	12	2022	C	4.50	13287
7	2023	C	4.50	500	3	2022	C	3.00	13267
7	2023	P	2.75	500	12	2022	C	5.25	13263
8	2023	C	4.50	500	5	2022	P	2.50	13248
8	2023	P	2.75	500	7	2022	C	3.00	13230
9	2023	C	4.50	500	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
FEB 22	66173	73631	-7458	FEB 22	74604	73252	1352
MAR 22	276074	270392	5682	MAR 22	90054	90070	-17
APR 22	85014	85780	-766	APR 22	73657	73574	83
MAY 22	113570	111180	2390	MAY 22	69421	69398	22
JUN 22	60059	59903	156	JUN 22	57349	57334	15
JUL 22	60079	59774	305	JUL 22	60127	60125	2
AUG 22	38487	37689	798	AUG 22	57411	57473	-62
SEP 22	49499	48876	623	SEP 22	58329	58299	30
OCT 22	83712	83530	182	OCT 22	62766	62797	-31
NOV 22	36761	36636	125	NOV 22	52443	52428	15
DEC 22	38330	38483	-153	DEC 22	61618	61618	0
JAN 23	52189	50840	1349	JAN 23	49556	49556	0
FEB 23	16537	15195	1342	FEB 23	39636	39636	0
MAR 23	31294	30785	509	MAR 23	44889	44889	0
APR 23	31699	31325	374	APR 23	45767	45767	0
MAY 23	17617	16545	1072	MAY 23	38661	38661	0
JUN 23	10831	10849	-18	JUN 23	36451	36451	0
JUL 23	9800	9915	-115	JUL 23	35936	35936	0
AUG 23	6651	6581	70	AUG 23	35376	35376	0
SEP 23	9232	9220	12	SEP 23	35287	35287	0
OCT 23	13404	13082	322	OCT 23	39237	39237	0
NOV 23	8658	8549	109	NOV 23	38132	38132	0
DEC 23	11057	10730	327	DEC 23	34095	34095	0
JAN 24	7339	7038	301	JAN 24	24056	24048	8
FEB 24	1788	1787	1	FEB 24	17528	17521	7
MAR 24	10116	10094	22	MAR 24	23453	23445	8
APR 24	5568	5569	-1	APR 24	16445	16438	8
MAY 24	2078	2077	1	MAY 24	16827	16819	8
JUN 24	921	921	0	JUN 24	16945	16937	8
JUL 24	564	563	1	JUL 24	17555	17548	8





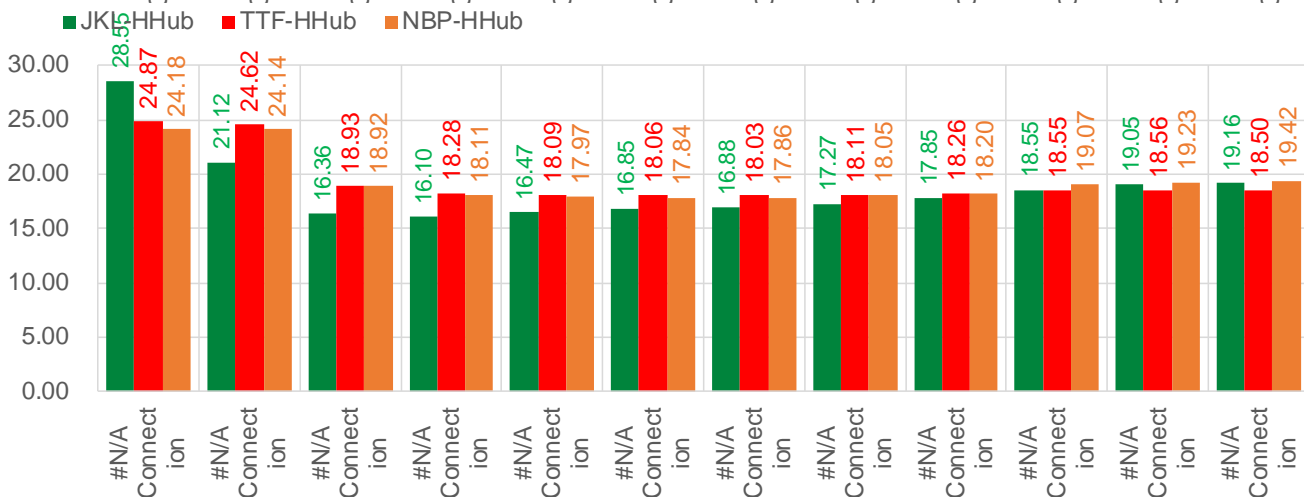
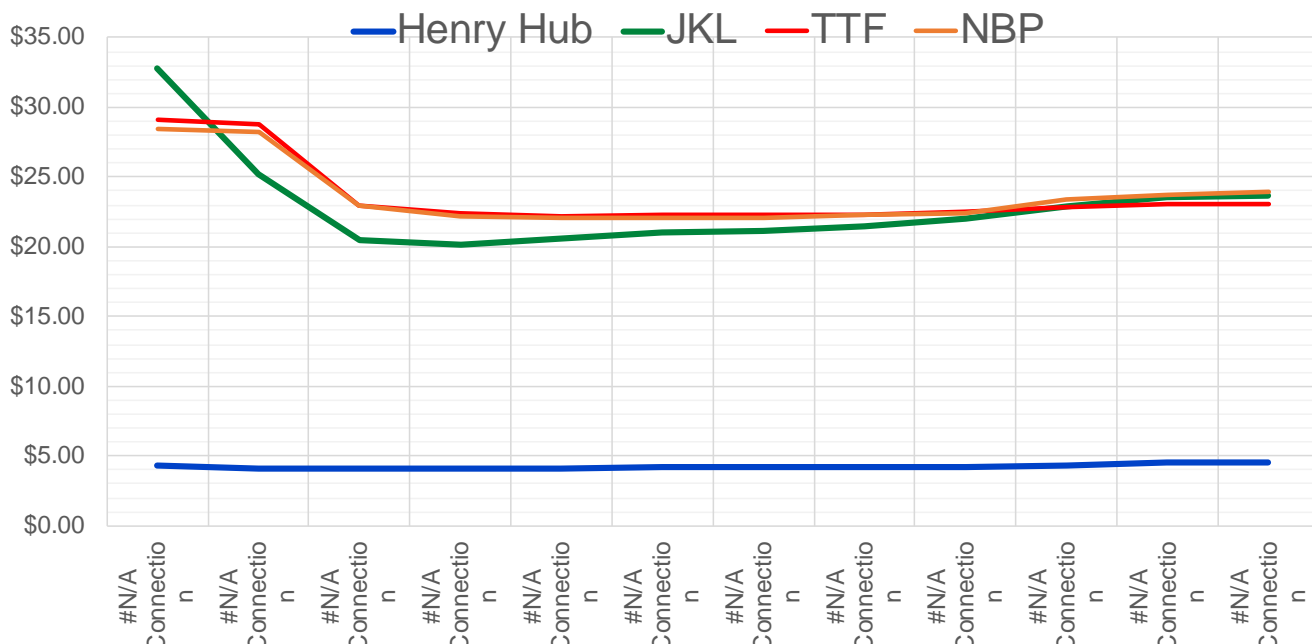
	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23
Current Price	\$4.262	\$4.081	\$4.007	\$4.030	\$4.080	\$4.137	\$4.150	\$4.131	\$4.153	\$4.239	\$4.406	\$4.502
Last Week	\$3.916	\$3.726	\$3.667	\$3.685	\$3.736	\$3.794	\$3.805	\$3.787	\$3.817	\$3.908	\$4.088	\$4.195
vs. Last Week	\$0.346	\$0.355	\$0.340	\$0.345	\$0.344	\$0.343	\$0.345	\$0.344	\$0.336	\$0.331	\$0.318	\$0.307
4 Weeks Ago	\$3.690	\$3.639	\$3.534	\$3.485	\$3.505	\$3.554	\$3.607	\$3.625	\$3.614	\$3.646	\$3.752	\$3.931
vs. 4 Weeks Ago	\$0.572	\$0.442	\$0.473	\$0.545	\$0.575	\$0.583	\$0.543	\$0.506	\$0.539	\$0.593	\$0.654	\$0.571
Last Year	\$2.737	\$2.696	\$2.695	\$2.724	\$2.787	\$2.856	\$2.874	\$2.860	\$2.879	\$2.933	\$3.058	\$3.147
vs. Last Year	\$1.525	\$1.385	\$1.312	\$1.306	\$1.293	\$1.281	\$1.276	\$1.271	\$1.274	\$1.306	\$1.348	\$1.355

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	18.00	17.26	-0.75
TETCO M3	\$/MMBtu	11.26	7.08	-4.18
FGT Zone 3	\$/MMBtu	12.68	4.25	-8.43
Zone 6 NY	\$/MMBtu	12.68	8.14	-4.54
Chicago Citygate	\$/MMBtu	4.13	5.24	1.11
Michcon	\$/MMBtu	4.07	3.99	-0.09
Columbia TCO Pool	\$/MMBtu	4.04	3.68	-0.36
Ventura	\$/MMBtu	4.11	6.32	2.21
Rockies/Opal	\$/MMBtu	4.69	4.78	0.09
El Paso Permian Basin	\$/MMBtu	3.86	4.25	0.39
Socal Citygate	\$/MMBtu	5.06	5.84	0.78
Malin	\$/MMBtu	4.69	5.29	0.60
Houston Ship Channel	\$/MMBtu	4.54	4.25	-0.29
Henry Hub Cash	\$/MMBtu	4.36	4.03	-0.33
AECO Cash	C\$/GJ	3.34	3.58	0.24
Station2 Cash	C\$/GJ	3.17	5.69	2.52
Dawn Cash	C\$/GJ	4.11	4.21	0.10

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	▲ 2.201
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.307
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.190	▼ -2.085
NatGas Apr22/Oct22	\$/MMBtu	0.146	▼ -0.002	▼ -0.014	▲ 0.128
WTI Crude	\$/Bbl	83.82	▲ 5.590	▲ 15.590	▲ 31.460
Brent Crude	\$/Bbl	86.48	▲ 5.610	▲ 14.960	▲ 31.730
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	263.43	▲ 14.670	▲ 46.130	▲ 104.140
Propane, Mt. Bel	cents/Gallon	1.15	▲ 0.024	▲ 0.145	▲ 0.240
Ethane, Mt. Bel	cents/Gallon	0.37	▲ 0.006	▲ 0.035	▲ 0.127
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			

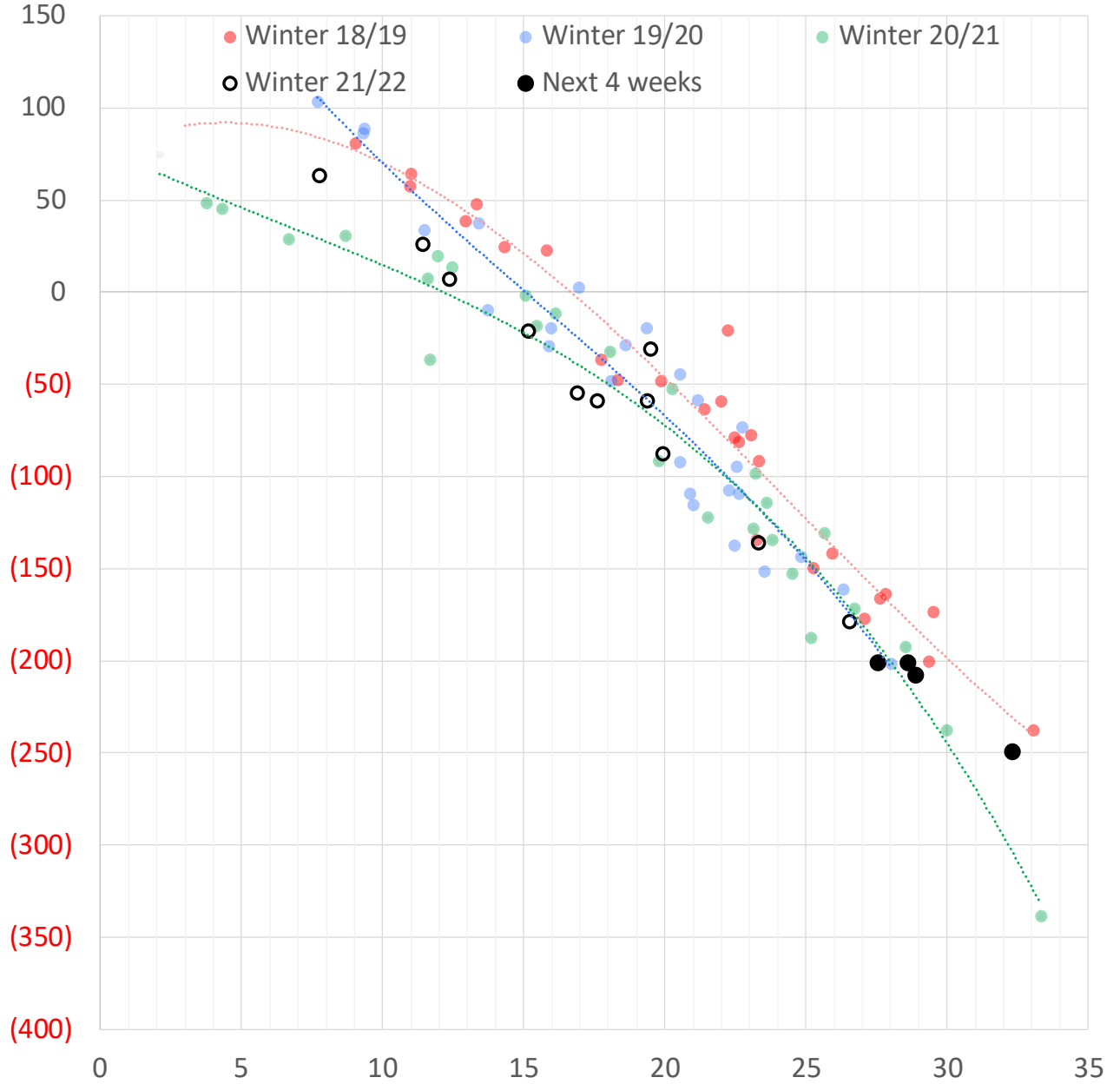
Nat Gas Term Structure (\$MMBTU)



	#N/A Connecti on	#N/A Connecti on	#N/A Connecti on	#N/A Connecti on	#N/A Connecti on	#N/A Connecti on	#N/A Connecti on	#N/A Connecti on	#N/A Connecti on	#N/A Connecti on	#N/A Connecti on	#N/A Connecti on
Henry Hub	\$4.294	\$4.133	\$4.071	\$4.092	\$4.138	\$4.200	\$4.211	\$4.191	\$4.219	\$4.305	\$4.483	\$4.562
JKL	\$32.845	\$25.255	\$20.430	\$20.195	\$20.610	\$21.045	\$21.095	\$21.460	\$22.070	\$22.855	\$23.535	\$23.720
JKL-HHub	\$28.551	\$21.122	\$16.359	\$16.103	\$16.472	\$16.845	\$16.884	\$17.269	\$17.851	\$18.550	\$19.052	\$19.158
TTF	\$29.165	\$28.753	\$22.999	\$22.372	\$22.227	\$22.258	\$22.245	\$22.300	\$22.483	\$22.851	\$23.044	\$23.064
TTF-HHub	\$24.871	\$24.620	\$18.928	\$18.280	\$18.089	\$18.058	\$18.034	\$18.109	\$18.264	\$18.546	\$18.561	\$18.502
NBP	\$28.473	\$28.273	\$22.994	\$22.204	\$22.103	\$22.044	\$22.066	\$22.240	\$22.416	\$23.371	\$23.711	\$23.983
NBP-HHub	\$24.179	\$24.140	\$18.923	\$18.112	\$17.965	\$17.844	\$17.855	\$18.049	\$18.197	\$19.066	\$19.228	\$19.421

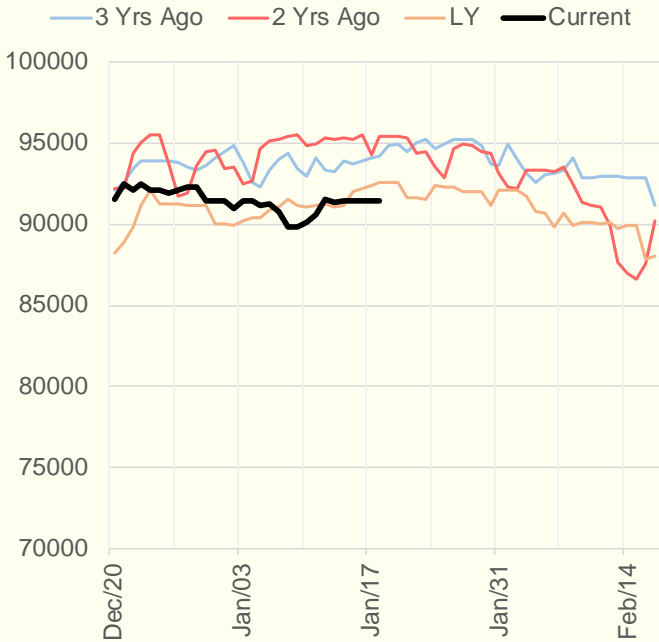
The risk of trading futures and options and other derivatives involves a substantial risk of loss and is not suitable for all persons. Each person must consider whether a particular trade, combination of trades, or strategy is suitable for that person's financial means and objectives. Past results are not necessarily indicative of future results. This communication may contain links to third party websites that 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

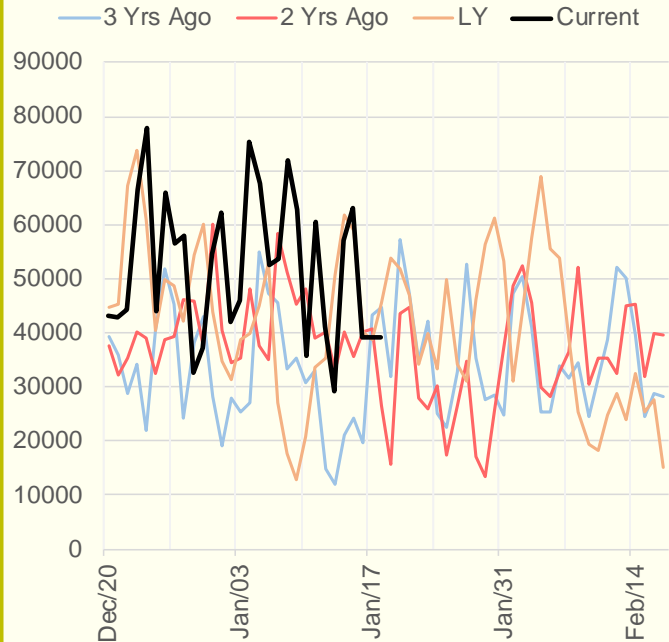


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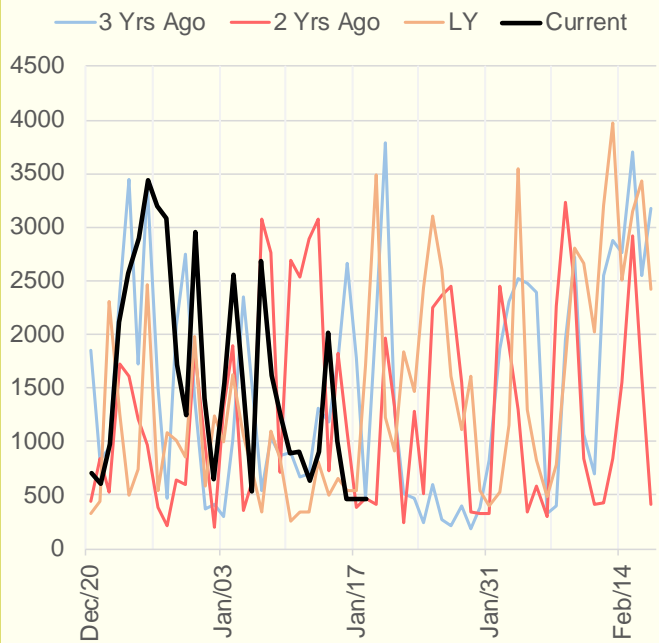
NRC Nuclear Daily Output



US Wind



CALI Wind



TEXAS Wind

