

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 4.21	▼ \$ (0.07)	▼ \$ (0.14)

	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 86.11	▲ \$ 0.68	▲ \$ 2.5

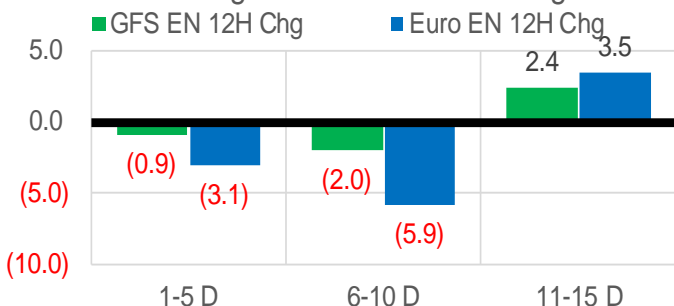
	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 88.06	▲ \$ 0.55	▲ \$ 2.2

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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](#)

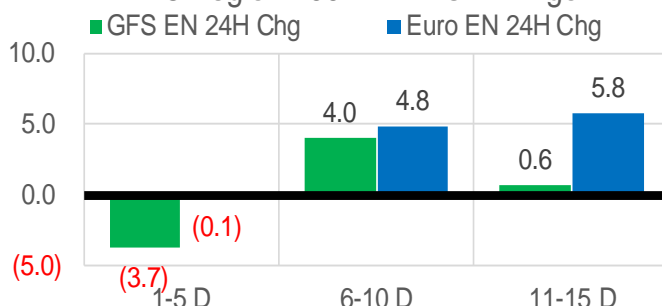
Vs. 12H Ago

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	94.9	▲ 0.08	▼ -0.31

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	29.4	▲ 0.10	▼ -0.29

	Current	Δ from YD	Δ from 7D Avg
US ResComm	41.3	▼ -1.83	▼ -3.98

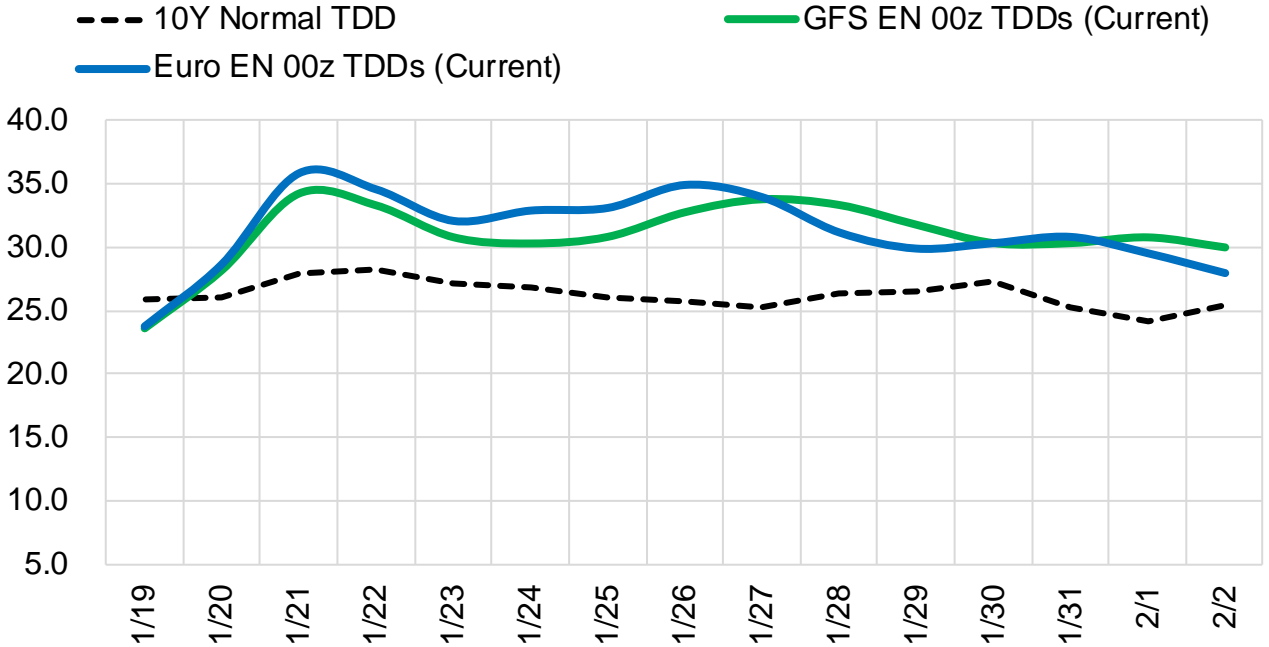
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	6.3	▼ -0.59	▼ -0.47

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	12.6	▲ 0.38	▼ -0.29

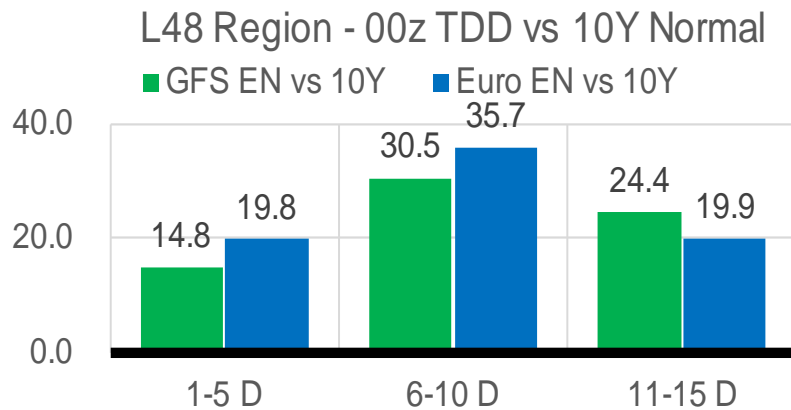
	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.5	▲ 0.11	▲ 0.13

Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal



Source: WSI , Bloomberg

Lower 48 Component Models

Daily Balances

	13-Jan	14-Jan	15-Jan	16-Jan	17-Jan	18-Jan	19-Jan	DoD	vs. 7D
Lower 48 Dry Production	96.0	95.8	95.0	95.2	94.2	94.8	94.9	▲ 0.1	▼ -0.3
Canadian Imports	6.4	6.7	7.2	6.9	6.9	6.9	6.3	▼ -0.6	▼ -0.5
L48 Power	29.8	27.7	29.2	30.6	30.8	29.3	29.4	▲ 0.1	▼ -0.2
L48 Residential & Commercial	38.0	43.8	53.5	51.1	45.5	43.1	41.3	▼ -1.8	▼ -4.5
L48 Industrial	25.6	26.7	28.2	28.1	27.3	26.3	25.6	▼ -0.7	▼ -1.4
L48 Lease and Plant Fuel	5.3	5.2	5.2	5.2	5.2	5.2	5.2	▼ 0.0	▼ 0.0
L48 Pipeline Distribution	3.3	3.5	4.0	4.0	3.7	3.5	3.4	▼ -0.1	▼ -0.2
L48 Regional Gas Consumption	101.9	106.9	120.2	118.9	112.4	107.5	104.9	▼ -2.6	▼ -6.4
Net LNG Delivered	12.51	13.05	13.10	13.20	13.00	12.17	12.56	▲ 0.4	▼ -0.3
Total Mexican Exports	6.7	6.5	6.1	6.3	6.3	6.4	6.5	▲ 0.1	▲ 0.2
Implied Daily Storage Activity	-18.7	-23.9	-37.1	-36.2	-30.6	-24.4	-22.8		
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	47.5	▲ 3.2	▲ 10.1
L48 Industrial	23.7	23.7	24.0	22.2	26.2	25.9	▼ -0.3	▲ 1.9
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	109.2	112.8	▲ 3.6	▲ 14.2
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	-29.5	-3.5	
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	-0.4			

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	95.1	▼ -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	▲ 1.9
L48 Residential & Commercial	41.7	44.0	8.8	12.5	29.4	34.5	47.1	▲ 12.7	▲ 3.2
L48 Industrial	24.5	23.8	20.2	21.0	22.4	23.3	26.5	▲ 3.2	▲ 2.7
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	▲ 0.2
L48 Regional Gas Consumption	104.8	104.6	69.4	71.5	88.9	94.5	112.8	▲ 18.3	▲ 8.3
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)

	11-Jan	12-Jan	13-Jan	14-Jan	15-Jan	16-Jan	17-Jan	DoD	vs. 7D
NRC Nuclear Daily Output	90.6	91.5	91.4	91.5	91.5	91.5	91.5	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	14.3	13.4	13.5	13.4	13.4	13.4	13.4	0.0	-0.2
NRC % Nuclear Cap Utilization	92.1	93.1	92.9	93.0	93.0	93.0	93.0	0.0	0.2

Wind Generation Daily Average - MWh (EIA)

	11-Jan	12-Jan	13-Jan	14-Jan	15-Jan	16-Jan	17-Jan	DoD	vs. 7D
CALI Wind	906	640	905	2010	1011	467	1029	562	39
TEXAS Wind	10479	4804	2637	17366	21278	6333	9975	3642	-508
US Wind	60522	41285	29134	57108	62947	39222	44867	5645	-3503

Generation Daily Average - MWh (EIA)

	11-Jan	12-Jan	13-Jan	14-Jan	15-Jan	16-Jan	17-Jan	DoD	vs. 7D
US Wind	60522	41285	29134	57108	62947	39222	44867	5645	-3503
US Solar	9830	9451	8830	8921	5975	7872	8480	608	0
US Petroleum	5655	4536	4448	4159	6337	6532	5541	-991	263
US Other	7630	7503	6150	6574	7138	7640	8666	1026	1560
US Coal	117551	116805	113799	109086	112359	123990	123242	-749	7643
US Nuke	96120	96705	96343	95928	94104	94240	94199	-42	-1375
US Hydro	34957	33655	32750	33733	34968	34158	34920	761	883
US Gas	171192	167201	167271	140984	148947	167474	165522	-1952	5011

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	9189	725	-0.1
US Petroleum	3440	2700	3581	3084	3038	4915	1877	-0.3
US Other	8398	8301	8532	7584	8301	8220	-81	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	34139	-364	0.1
US Gas	159457	148807	166457	135611	154294	161566	7272	

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	94.4	91.1	75.5	82.7	90.3	90.9	91.3	0.6
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	10.4	13.8	29.4	22.2	14.6	14.0	13.6	-0.6	-0.2
NRC % Nuclear Cap Utilization	96.0	92.6	76.8	84.1	91.8	92.4	92.8	0.6	0.2

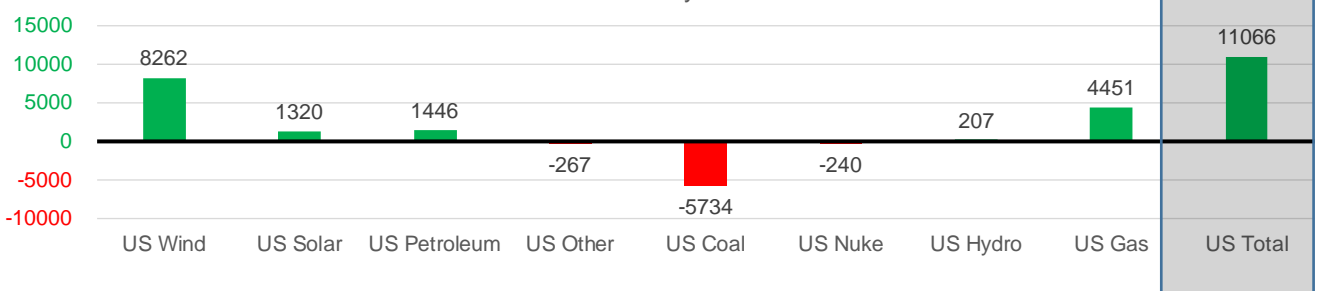
Wind Generation Monthly Average - MWh (EIA)

	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	1285	1029	1765	1252	1585	1247	1616	-338
TEXAS Wind	10176	11904	11565	11869	12927	11979	12375	-948	471
US Wind	39747	44215	43142	49974	54821	52346	52477	-2475	8262

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	39747	44215	43142	49974	54821	52346	52477	▲ 130.8
US Solar	4672	6721	11059	9690	7376	8737	8041	▼ -696.0	▲ 1320
US Petroleum	3562	2606	3239	3045	3134	4582	4052	▼ -531	▲ 1446
US Other	7923	8355	11109	8435	8214	8174	8088	▼ -86	▼ -267
US Coal	77790	106409	84432	80848	81683	110758	100675	▼ -10083	▼ -5734
US Nuke	96999	96393	77089	87404	95408	95519	96153	▲ 634	▼ -240
US Hydro	30779	33262	24078	26593	30805	34446	33469	▲ -977	▲ 207
US Gas	145358	149898	159049	151462	152399	159649	154349	▼ -11609	▲ 4451
US Total	419686	446458	413353	417925	434098	474413	457524	▼ -23348	▲ 11066

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

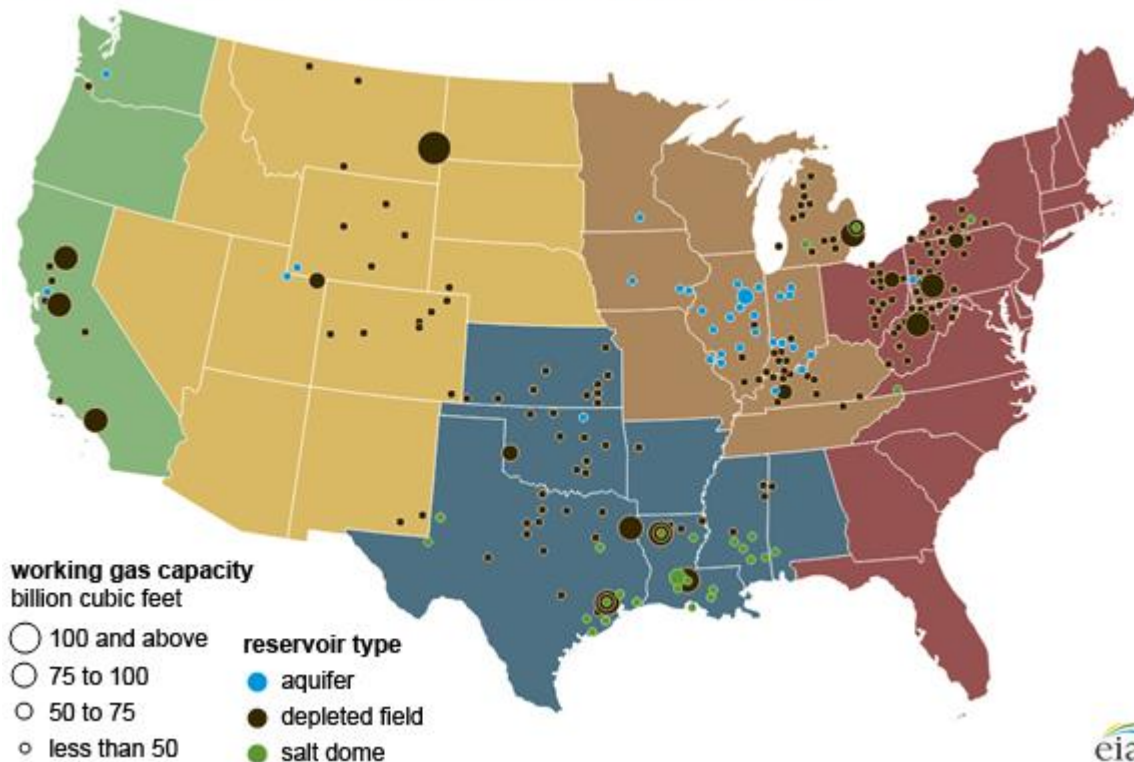
Regional S/D Models Storage Projection

Week Ending 14-Jan

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	-29.7	0.9	-28.8	-201
East	-11.6	2.5	-9.0	-63
Midwest	-8.1	0.1	-8.0	-56
Mountain	1.9	-2.9	-1.0	-7
South Central	-11.8	2.0	-9.8	-68
Pacific	-0.2	-0.8	-0.9	-7

*Adjustment Factor is calculated based on historical regional deltas

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

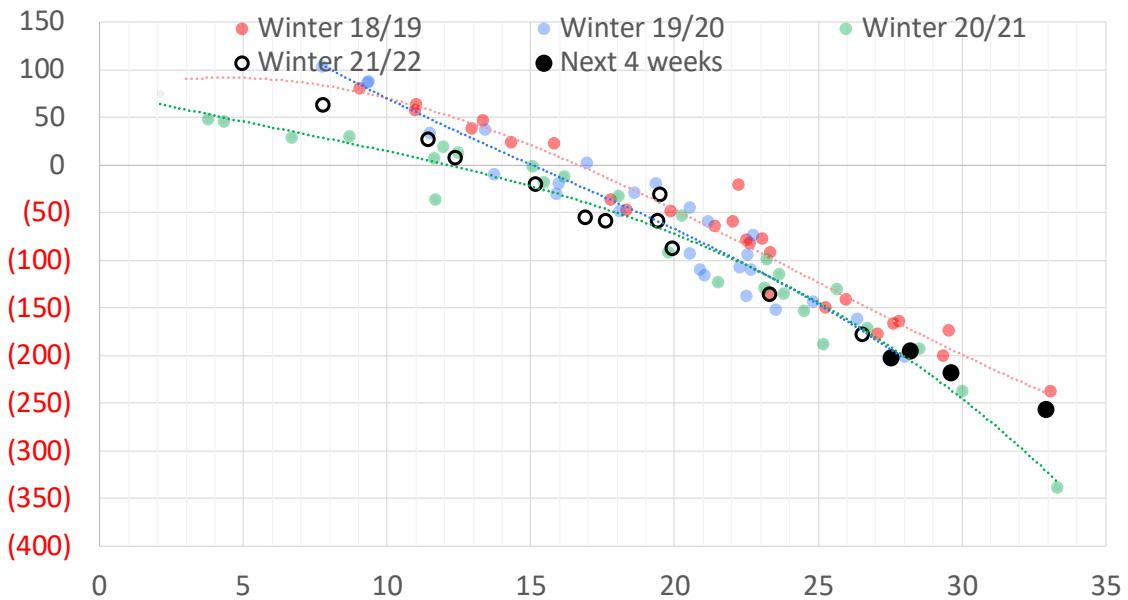


Weather Model Storage Projection

Next report
and beyond

Week Ending	GWDDs	Week Storage Projection
14-Jan	28	-201
21-Jan	28	-195
28-Jan	33	-257
04-Feb	30	-218

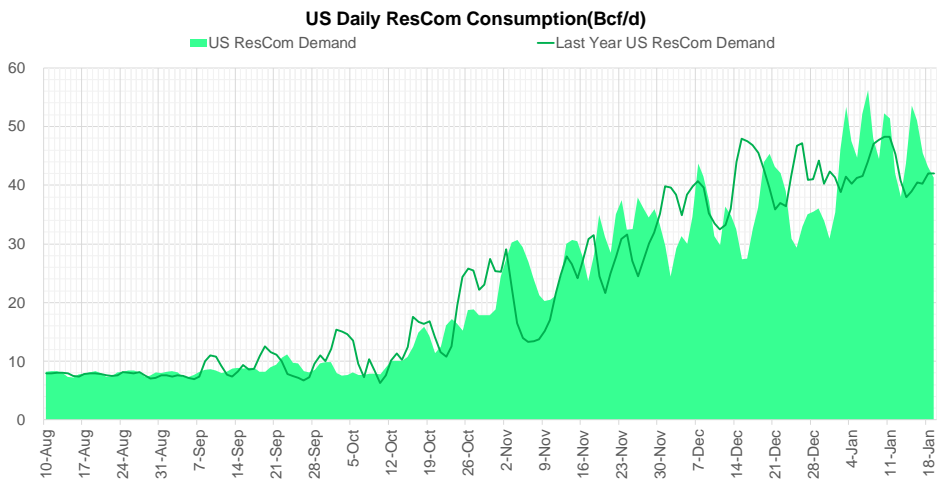
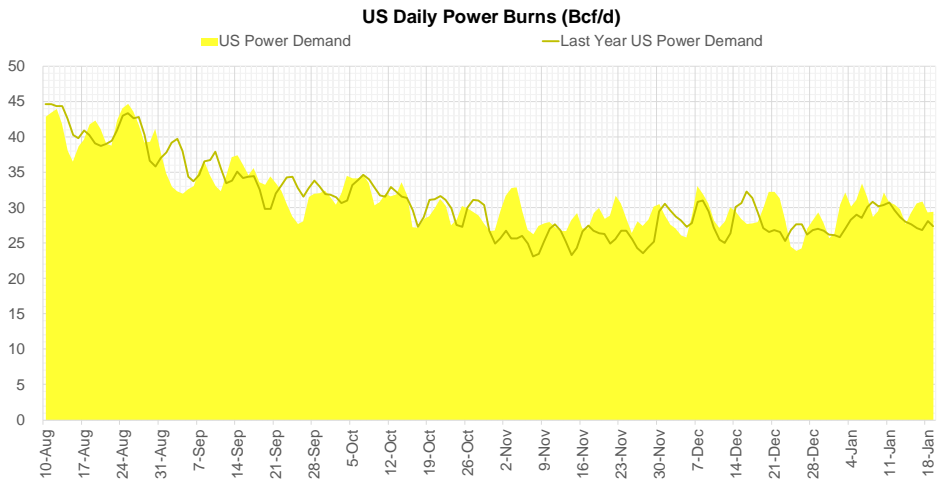
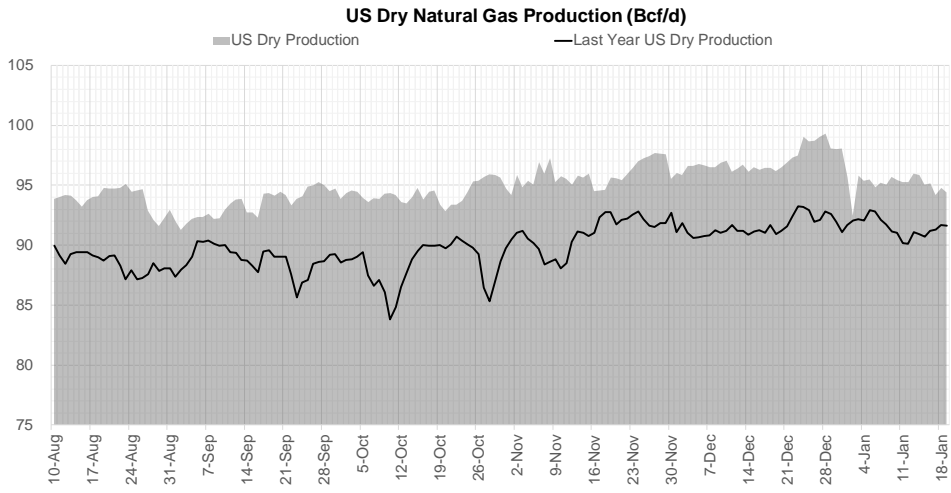
Weather Storage Model - Next 4 Week Forecast



Go to larger image



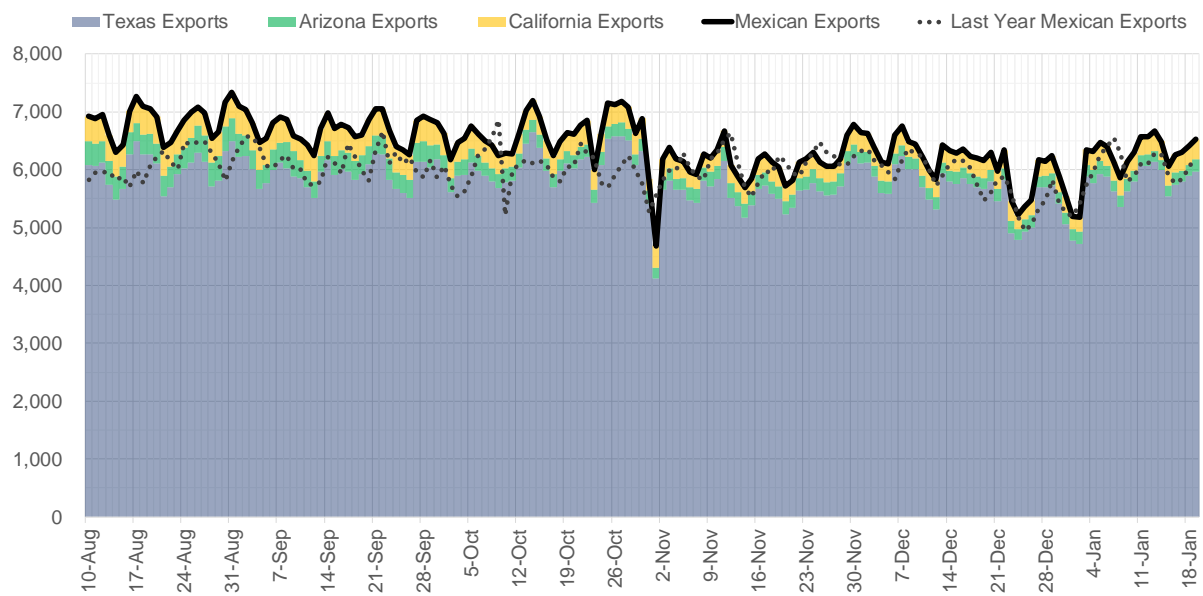
Supply – Demand Trends



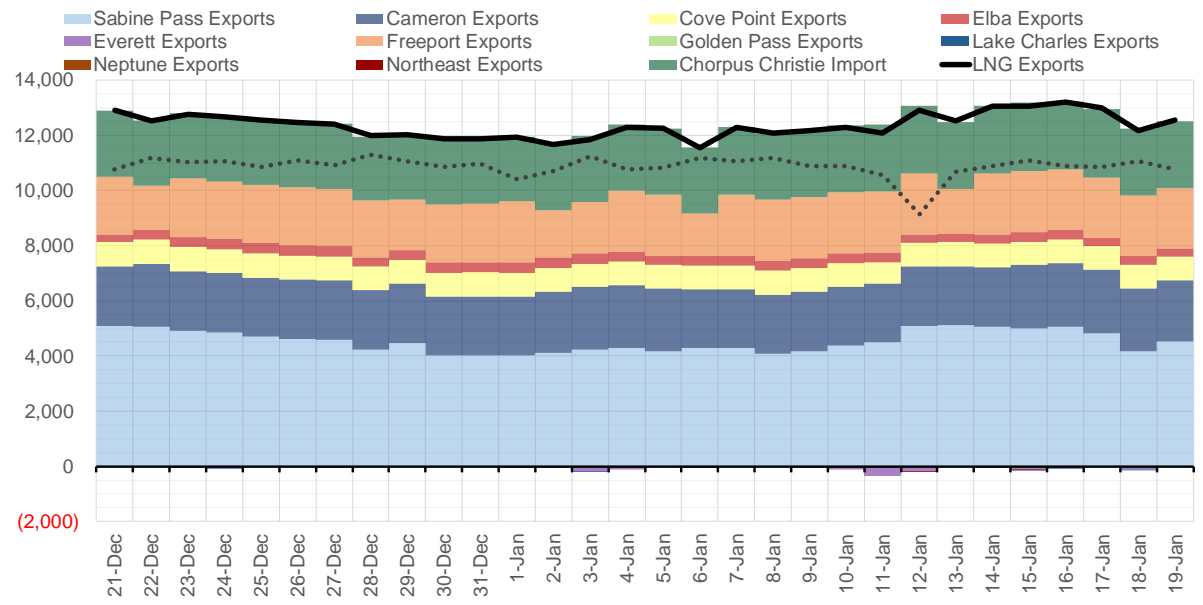
Source: Bloomberg

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Mexican Exports (MMcf/d)



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



Source: Bloomberg

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.

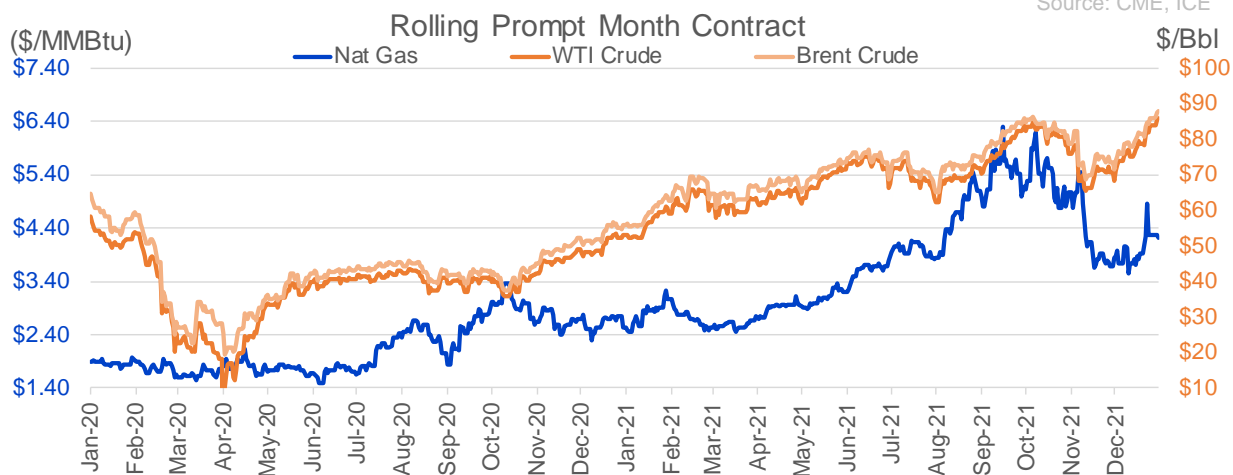
Nat Gas Options Volume and Open Interest CME and ICE Combined

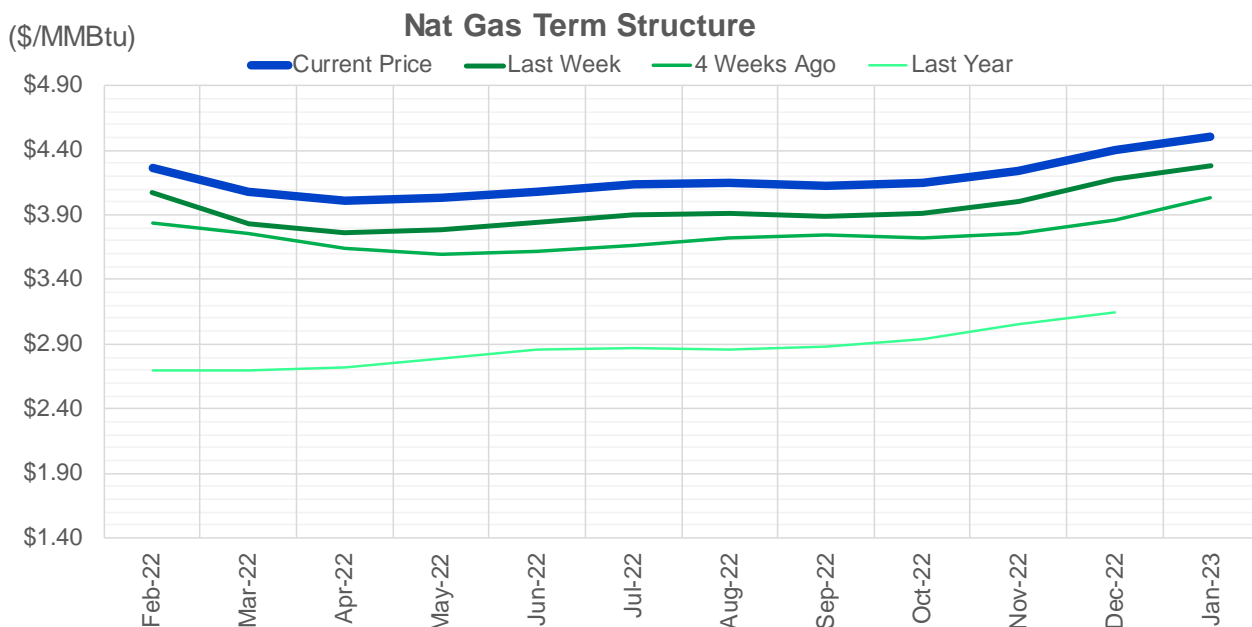
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
3	2022	C	4.00	6010	3	2022	C	10.00	35265
3	2022	C	4.50	5088	3	2022	C	5.00	34590
6	2022	C	5.00	4345	3	2022	C	8.00	32973
5	2022	C	5.00	3852	2	2022	C	4.00	27032
9	2022	C	5.00	3845	2	2022	C	5.00	25526
4	2022	C	5.00	3809	3	2022	C	4.00	23883
7	2022	C	5.00	3795	2	2022	P	3.50	22897
8	2022	C	5.00	3795	3	2022	P	3.00	21731
10	2022	C	5.00	3795	3	2022	P	2.50	21489
3	2022	C	5.00	3744	3	2022	C	6.00	20565
4	2022	P	3.50	3649	10	2022	C	6.00	20430
3	2022	P	3.75	3301	2	2022	P	4.00	20170
2	2022	C	5.00	2832	2	2022	C	6.00	20108
2	2022	C	6.00	2219	12	2022	C	5.00	19847
2	2022	C	4.75	2117	4	2022	C	3.00	19710
3	2022	P	4.00	1897	3	2022	P	4.00	19590
3	2022	C	6.00	1892	3	2022	P	3.50	19047
2	2022	C	4.50	1700	5	2022	P	3.00	17349
5	2022	P	3.75	1650	4	2022	P	2.50	17204
2	2022	P	3.75	1617	2	2022	C	4.50	17173
3	2022	P	3.00	1549	4	2022	P	3.00	16680
3	2022	C	4.75	1331	4	2022	C	5.00	16360
2	2022	P	4.00	1328	3	2022	C	7.00	15900
3	2022	C	4.25	1241	6	2022	C	5.00	15005
3	2022	C	7.00	1119	3	2022	P	2.00	14981
3	2022	C	8.00	1100	2	2022	P	3.00	14868
2	2022	C	4.00	1094	3	2022	C	4.50	14819
4	2022	P	3.00	1093	2	2022	C	7.00	14676
3	2022	C	4.90	1050	2	2022	C	8.00	14673
5	2022	P	3.90	1001	2	2022	C	10.00	14444
3	2022	P	4.10	889	2	2022	P	3.75	14064
2	2022	C	4.25	850	2	2022	C	4.25	13975
6	2022	P	3.00	850	10	2022	P	2.00	13921
4	2022	C	4.50	811	3	2022	P	2.25	13917
5	2022	P	3.00	763	4	2022	P	3.50	13898
7	2022	P	3.00	750	4	2022	C	6.00	13863
8	2022	P	3.00	750	3	2022	P	3.25	13809
9	2022	P	3.00	750	5	2022	C	3.00	13733
10	2022	P	3.00	750	3	2022	P	5.00	13591
3	2022	C	4.10	741	2	2022	C	5.50	13556
3	2022	C	4.65	732	4	2022	C	4.00	13509
3	2022	P	3.85	708	6	2022	C	3.00	13438
9	2022	C	6.00	686	3	2022	C	3.50	13316
4	2022	C	6.00	671	12	2022	C	4.50	13287
5	2022	C	6.00	662	3	2022	C	3.00	13267
6	2022	C	6.00	661	12	2022	C	5.25	13263
7	2022	C	6.00	661	5	2022	P	2.50	13248
8	2022	C	6.00	661	3	2022	P	3.75	13242
10	2022	C	6.00	661	7	2022	C	3.00	13230
					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
FEB 22	55121	66173	-11052	FEB 22	73461	74604	-1143
MAR 22	284287	276074	8213	MAR 22	94101	90054	4048
APR 22	85802	85014	788	APR 22	73488	73657	-169
MAY 22	112982	113570	-588	MAY 22	69278	69421	-143
JUN 22	59694	60059	-365	JUN 22	57343	57349	-6
JUL 22	62032	60079	1953	JUL 22	60244	60127	118
AUG 22	38846	38487	359	AUG 22	57304	57411	-107
SEP 22	49337	49499	-162	SEP 22	58277	58329	-52
OCT 22	84259	83712	547	OCT 22	62993	62766	227
NOV 22	36287	36761	-474	NOV 22	52508	52443	65
DEC 22	38460	38330	130	DEC 22	61663	61618	45
JAN 23	53109	52189	920	JAN 23	49138	49556	-418
FEB 23	16997	16537	460	FEB 23	39810	39636	175
MAR 23	31402	31294	108	MAR 23	44974	44889	85
APR 23	31263	31699	-436	APR 23	45872	45767	105
MAY 23	17975	17617	358	MAY 23	38774	38661	113
JUN 23	10882	10831	51	JUN 23	36563	36451	112
JUL 23	9829	9800	29	JUL 23	36083	35936	146
AUG 23	6645	6651	-6	AUG 23	35418	35376	42
SEP 23	9358	9232	126	SEP 23	35399	35287	112
OCT 23	13506	13404	102	OCT 23	39362	39237	125
NOV 23	8774	8658	116	NOV 23	38153	38132	20
DEC 23	11064	11057	7	DEC 23	34116	34095	21
JAN 24	7431	7339	92	JAN 24	24110	24056	54
FEB 24	1791	1788	3	FEB 24	17574	17528	46
MAR 24	10118	10116	2	MAR 24	23501	23453	49
APR 24	5538	5568	-30	APR 24	16378	16445	-68
MAY 24	2079	2078	1	MAY 24	16764	16827	-62
JUN 24	921	921	0	JUN 24	16962	16945	17
JUL 24	564	564	0	JUL 24	17573	17555	18





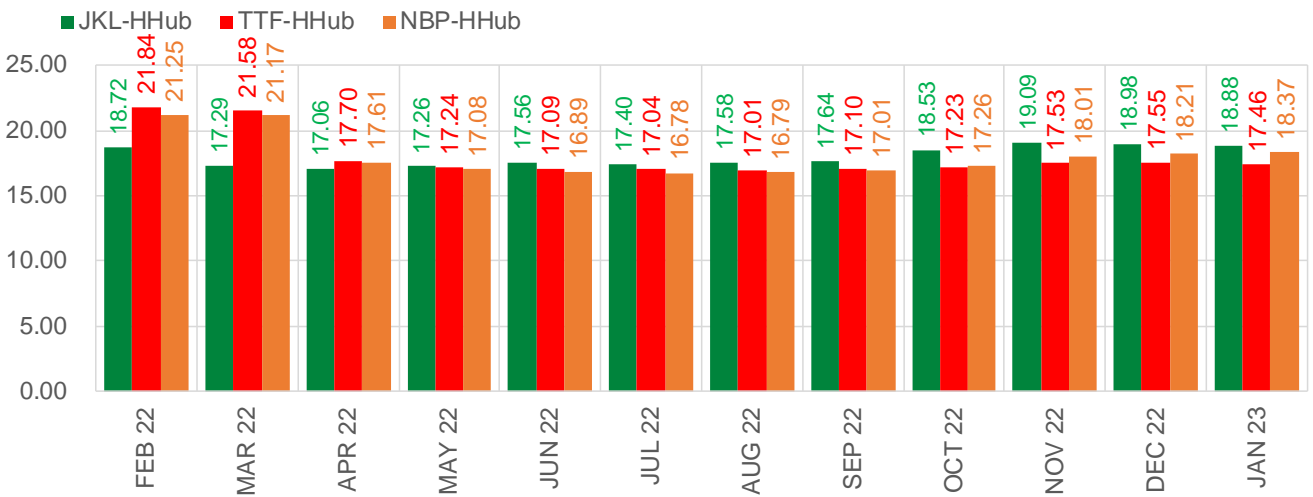
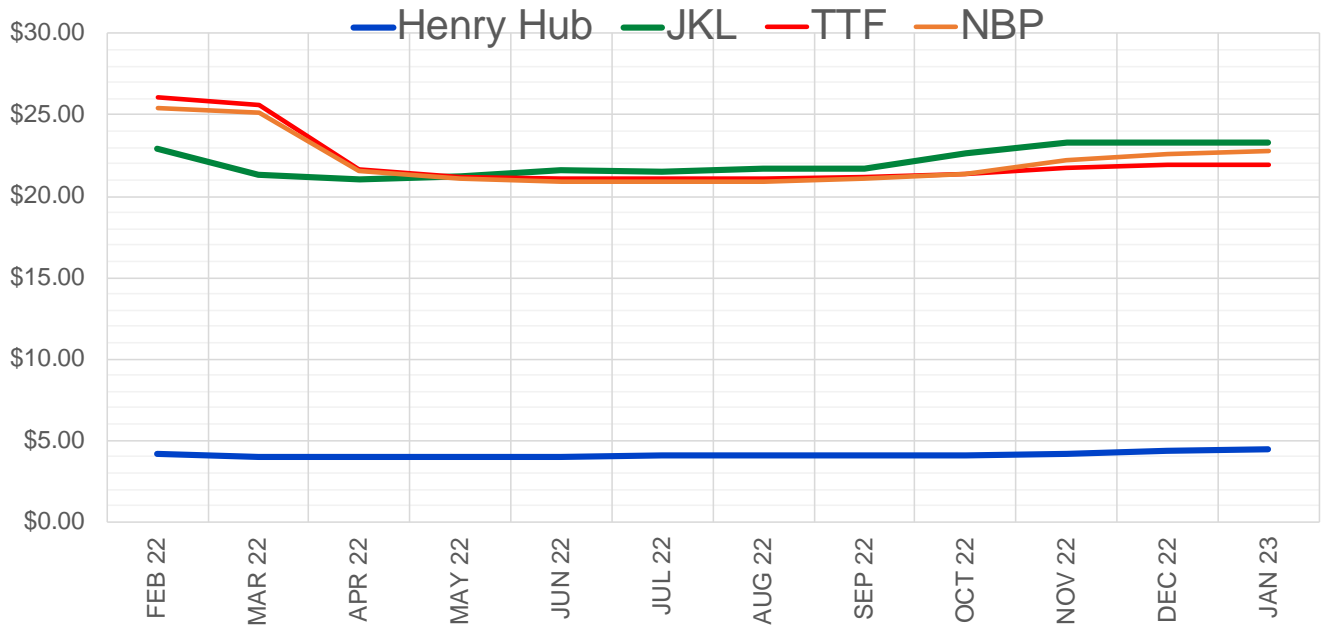
	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23
Current Price	\$4.262	\$4.081	\$4.007	\$4.030	\$4.080	\$4.137	\$4.150	\$4.131	\$4.153	\$4.239	\$4.406	\$4.502
Last Week	\$4.079	\$3.834	\$3.767	\$3.787	\$3.839	\$3.899	\$3.909	\$3.889	\$3.915	\$4.000	\$4.174	\$4.278
vs. Last Week	\$0.183	\$0.247	\$0.240	\$0.243	\$0.241	\$0.238	\$0.241	\$0.242	\$0.238	\$0.239	\$0.232	\$0.224
4 Weeks Ago	\$3.834	\$3.758	\$3.642	\$3.598	\$3.619	\$3.669	\$3.724	\$3.740	\$3.727	\$3.758	\$3.860	\$4.035
vs. 4 Weeks Ago	\$0.428	\$0.323	\$0.365	\$0.432	\$0.461	\$0.468	\$0.426	\$0.391	\$0.426	\$0.481	\$0.546	\$0.467
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	15.00	18.19	3.19
TETCO M3	\$/MMBtu	5.66	7.21	1.55
FGT Zone 3	\$/MMBtu	5.87	4.38	-1.49
Zone 6 NY	\$/MMBtu	5.87	8.77	2.90
Chicago Citygate	\$/MMBtu	4.45	5.47	1.02
Michcon	\$/MMBtu	4.28	4.12	-0.16
Columbia TCO Pool	\$/MMBtu	4.02	3.78	-0.24
Ventura	\$/MMBtu	4.11	6.72	2.61
Rockies/Opal	\$/MMBtu	4.83	4.93	0.10
El Paso Permian Basin	\$/MMBtu	4.11	4.42	0.31
Socal Citygate	\$/MMBtu	5.25	5.98	0.73
Malin	\$/MMBtu	4.69	5.45	0.76
Houston Ship Channel	\$/MMBtu	4.20	4.38	0.18
Henry Hub Cash	\$/MMBtu	4.48	4.18	-0.30
AECO Cash	C\$/GJ	3.77	3.74	-0.03
Station2 Cash	C\$/GJ	3.88	5.82	1.94
Dawn Cash	C\$/GJ	4.35	4.37	0.02

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	▲ 2.184
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.290
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.155	▼ -2.112
NatGas Apr22/Oct22	\$/MMBtu	0.149	▲ 0.017	▼ -0.026	▲ 0.118
WTI Crude	\$/Bbl	85.43	▲ 4.210	▲ 14.310	▲ 32.450
Brent Crude	\$/Bbl	87.51	▲ 3.790	▲ 13.530	▲ 31.610
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	267.40	▲ 11.040	▲ 41.620	▲ 107.530
Propane, Mt. Bel	cents/Gallon	1.15	▲ 0.004	▲ 0.137	▲ 0.276
Ethane, Mt. Bel	cents/Gallon	0.37	▲ 0.004	▲ 0.037	▲ 0.139
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			

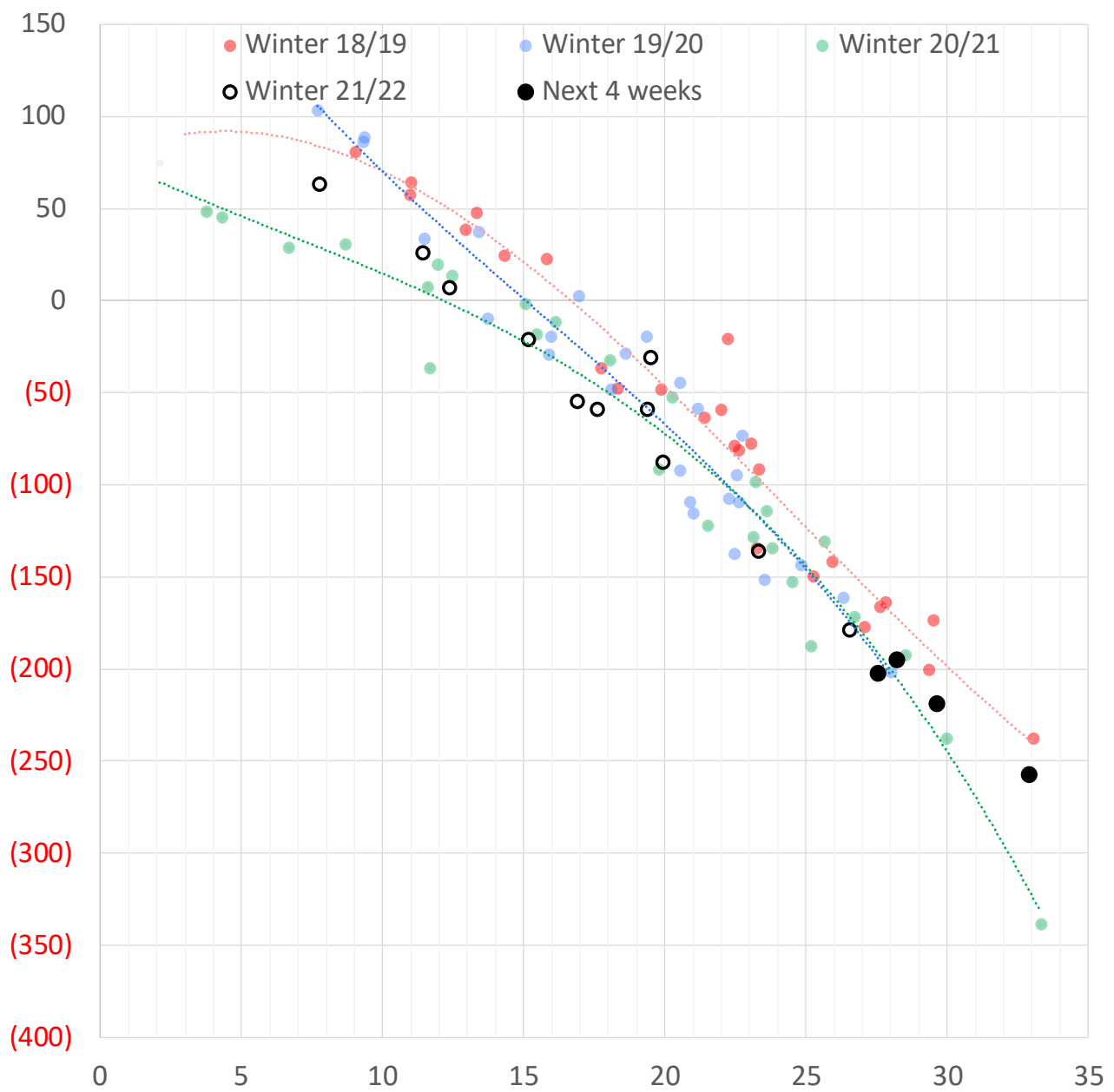
Nat Gas Term Structure (\$MMBTU)



	FEB 22	MAR 22	APR 22	MAY 22	JUN 22	JUL 22	AUG 22	SEP 22	OCT 22	NOV 22	DEC 22	JAN 23
Henry Hub	\$4.214	\$4.013	\$3.953	\$3.976	\$4.024	\$4.081	\$4.101	\$4.085	\$4.106	\$4.195	\$4.361	\$4.457
JKL	\$22.935	\$21.305	\$21.010	\$21.240	\$21.580	\$21.480	\$21.685	\$21.725	\$22.635	\$23.285	\$23.345	\$23.335
JKL-HHub	\$18.721	\$17.292	\$17.057	\$17.264	\$17.556	\$17.399	\$17.584	\$17.640	\$18.529	\$19.090	\$18.984	\$18.878
TTF	\$26.058	\$25.589	\$21.652	\$21.212	\$21.110	\$21.125	\$21.108	\$21.185	\$21.337	\$21.725	\$21.910	\$21.921
TTF-HHub	\$21.844	\$21.576	\$17.699	\$17.236	\$17.086	\$17.044	\$17.007	\$17.100	\$17.231	\$17.530	\$17.549	\$17.464
NBP	\$25.465	\$25.184	\$21.560	\$21.055	\$20.916	\$20.865	\$20.895	\$21.096	\$21.369	\$22.202	\$22.568	\$22.827
NBP-HHub	\$21.251	\$21.171	\$17.607	\$17.079	\$16.892	\$16.784	\$16.794	\$17.011	\$17.263	\$18.007	\$18.207	\$18.370

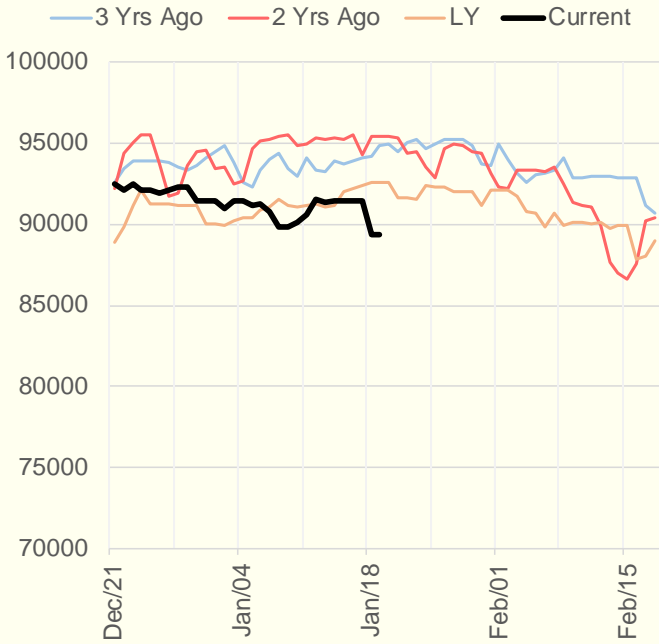
The risk of trading futures and options and other derivatives involves a substantial risk of loss and is not suitable for all persons. Each person must consider whether a particular trade, combination of trades, or strategy is suitable for that person's financial means and objectives. Past results are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

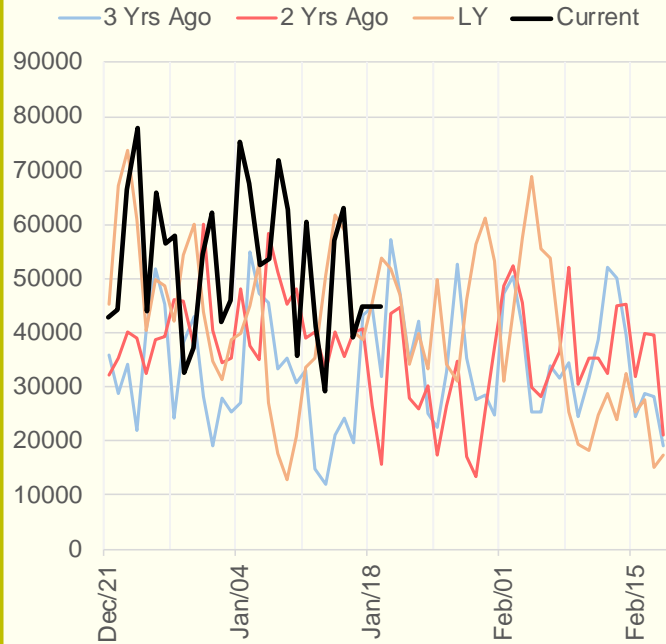


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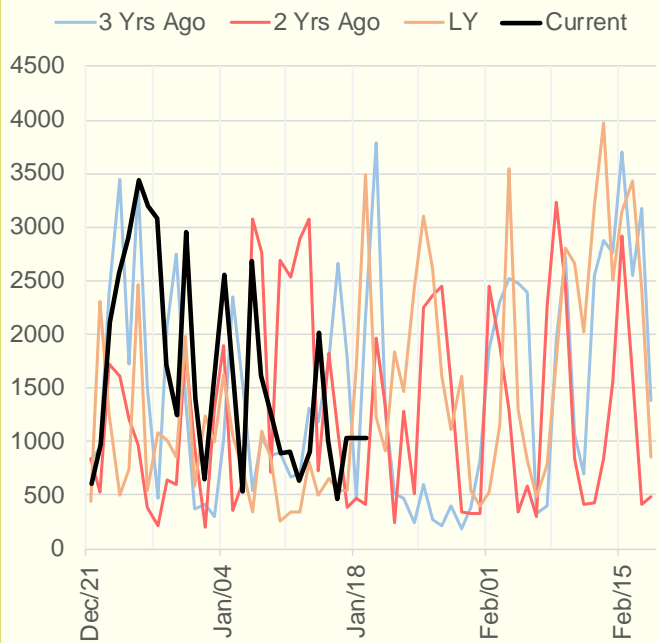
NRC Nuclear Daily Output



US Wind



CALI Wind



TEXAS Wind

