

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 6.68 ▼	\$ (0.06) ▼	\$ (0.28) ▼

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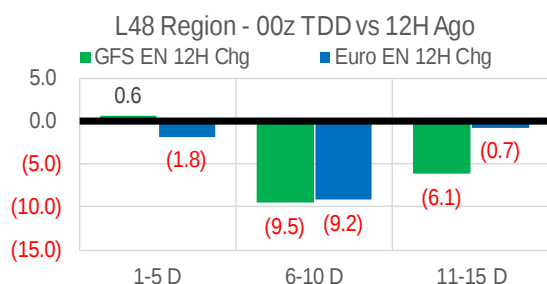
[Nat Gas Futures Open Interest](#)

[Price Summary](#)

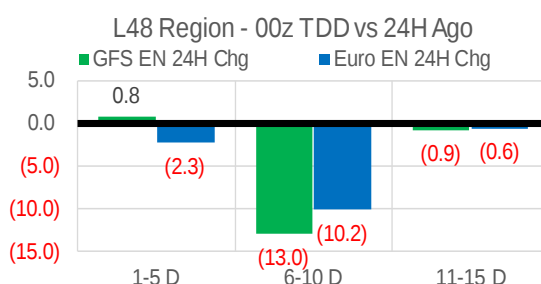
	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 81.95 ▲	\$ 0.73 ▲	\$ 3.9 ▲

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 87.64 ▲	\$ 0.76 ▲	\$ 3.4 ▲

Vs. 12H Ago



Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	100.3 ▼	-0.78 ▼	-0.84 ▼

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	28.9 ▼	-1.68 ▼	1.36 ▲

	Current	Δ from YD	Δ from 7D Avg
US ResComm	33.8 ▼	-8.49 ▼	1.65 ▲

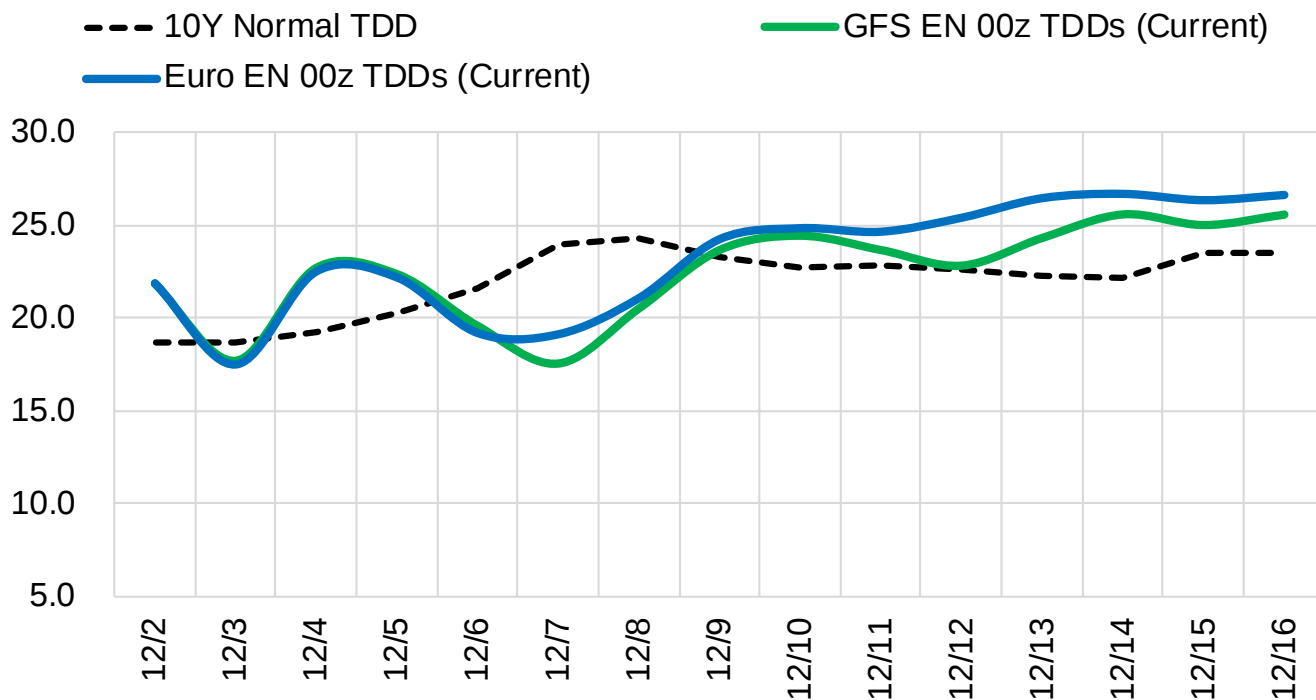
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	5.3 ▼	-0.16 ▼	0.03 ▲

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	12.4 ▼	-0.53 ▼	0.55 ▲

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.2 ▼	-0.09 ▼	0.00 ▼

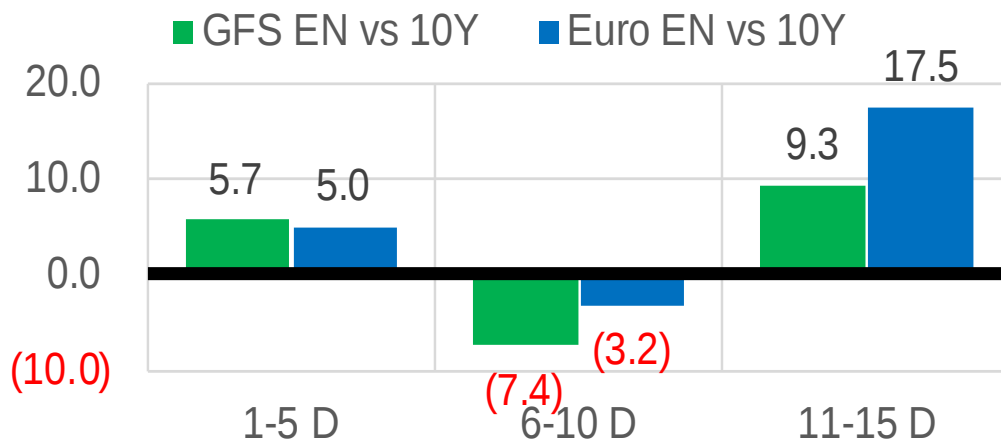
Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI , Bloomberg

Lower 48 Component Models

Daily Balances

	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov	1-Dec	2-Dec	DoD	vs. 7D
Lower 48 Dry Production	100.3	101.4	101.6	101.1	100.8	101.1	100.3	▼ -0.8	▼ -0.7
Canadian Imports	5.0	5.0	5.3	5.5	5.6	5.5	5.3	▼ -0.2	▲ 0.0
L48 Power	24.4	25.9	27.4	28.4	30.6	30.6	28.9	▼ -1.7	▲ 1.0
L48 Residential & Commercial	28.1	27.9	31.2	30.9	36.6	42.3	33.8	▼ -8.5	▲ 1.0
L48 Industrial	20.9	20.7	21.1	21.3	22.9	24.8	24.8	▼ 0.0	▲ 2.9
L48 Lease and Plant Fuel	5.6	5.7	5.7	5.6	5.6	5.6	5.5	▼ -0.1	▼ -0.1
L48 Pipeline Distribution	3.0	3.1	3.4	3.4	3.9	4.1	3.6	▼ -0.6	▲ 0.1
L48 Regional Gas Consumption	82.0	83.3	88.7	89.7	99.5	107.4	96.6	▼ -10.9	▲ 4.8
Net LNG Delivered	11.60	12.04	11.55	11.12	12.26	12.91	12.38	▼ -0.5	▲ 0.5
Total Mexican Exports	6.1	5.9	6.4	6.4	6.4	6.3	6.2	▼ -0.1	▲ 0.0
Implied Daily Storage Activity	5.6	5.1	0.2	-0.6	-11.6	-20.1	-9.6		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	LY 3-Dec	4-Nov	11-Nov	18-Nov	LW 25-Nov	Current 2-Dec	WoW	vs. LY
Lower 48 Dry Production	97.2	100.4	99.8	100.6	100.9	101.2	▲ 0.3	▲ 4.0
Canadian Imports	5.6	4.9	4.2	6.6	6.1	5.3	▼ -0.8	▼ -0.3
L48 Power	29.3	29.5	28.9	31.7	30.1	27.5	▼ -2.6	-1.8
L48 Residential & Commercial	32.4	17.1	17.3	35.0	38.0	32.1	▼ -5.9	-0.2
L48 Industrial	22.7	21.4	22.9	24.7	23.4	21.8	▼ -1.5	-0.9
L48 Lease and Plant Fuel	5.4	5.6	5.6	5.6	5.6	5.6	▲ 0.0	0.2
L48 Pipeline Distribution	3.5	2.8	2.7	3.8	3.9	3.4	▼ -0.5	-0.1
L48 Regional Gas Consumption	93.3	76.4	77.3	100.8	101.1	90.6	▼ -10.5	▼ -2.8
Net LNG Exports	11.8	11.9	11.5	12.1	12.0	11.8	▼ -0.1	▲ 0.0
Total Mexican Exports	6.4	6.3	6.3	6.5	6.0	6.3	▲ 0.3	▼ -0.2
Implied Daily Storage Activity	-8.9	10.7	8.9	-12.2	-12.1	-2.2	9.9	6.7
EIA Reported Daily Storage Activity	-8.4	11.3	9.1	-11.4	-11.6			
Daily Model Error	-0.4	-0.6	-0.2	-0.7	-0.5			

Monthly Balances

	2Yr Ago Dec-20	LY Dec-21	Aug-22	Sep-22	Oct-22	Nov-22	MTD Dec-22	MoM	vs. LY
Lower 48 Dry Production	91.7	97.1	97.9	99.0	100.6	100.5	101.1	▲ 0.6	▲ 4.1
Canadian Imports	5.8	4.8	5.4	5.9	5.7	5.4	5.5	▲ 0.1	▲ 0.7
L48 Power	28.3	28.6	43.8	37.3	30.2	29.5	30.6	▲ 1.0	▲ 1.9
L48 Residential & Commercial	40.3	34.5	7.8	8.7	15.9	28.7	42.3	▲ 13.6	▲ 7.8
L48 Industrial	23.1	22.5	19.5	18.7	20.7	23.0	24.8	▲ 1.8	▲ 2.3
L48 Lease and Plant Fuel	5.0	5.4	5.5	5.5	5.6	5.6	5.6	▲ 0.0	▲ 0.2
L48 Pipeline Distribution	3.5	3.6	3.0	2.8	2.8	3.4	4.1	▲ 0.8	▲ 0.6
L48 Regional Gas Consumption	100.2	94.6	79.6	73.1	75.2	90.2	107.4	▲ 17.3	▲ 12.9
Net LNG Exports	11.0	12.1	11.0	11.5	11.3	11.8	12.9	▲ 1.2	▲ 0.8
Total Mexican Exports	5.8	6.2	6.9	6.7	6.6	6.3	6.3	▲ 0.1	▲ 0.2
Implied Daily Storage Activity	-19.5	-11.1	5.8	13.6	13.2	-2.3	-20.1		
EIA Reported Daily Storage Activity									
Daily Model Error					0.2				

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov	DoD	vs. 7D
NRC Nuclear Daily Output	86.1	87.3	87.8	87.6	88.5	88.6	88.6	0.0	1.0
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	18.8	17.6	17.1	17.3	16.4	16.3	16.2	0.0	-1.0
NRC % Nuclear Cap Utilization	87.6	88.7	89.3	89.1	89.9	90.1	90.1	0.0	1.0

Wind Generation Daily Average - MWh (EIA)

	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov	DoD	vs. 7D
CALI Wind	1452	726	1455	898	3955	1464	775	-689	-883
TEXAS Wind	12560	16290	10743	7519	16682	19133	10582	-8551	-3239
US Wind	55344	54502	53534	49575	63839	73812	62372	-11440	3937

Generation Daily Average - MWh (EIA)

	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov	DoD	vs. 7D
US Wind	55344	54502	53534	49575	63839	73812	62372	-11440	3937
US Solar	8946	7934	9425	10047	9709	10421	9981	-441	567
US Petroleum	838	818	324	458	953	436	1323	887	685
US Other	7995	7575	7896	7795	7821	8024	7605	-420	-246
US Coal	81290	79076	80034	80942	82457	80378	85765	5387	5069
US Nuke	91082	92170	92727	92817	93338	93539	93008	-531	396
US Hydro	23506	22391	23120	23313	25683	26698	25716	-982	1597
US Gas	127118	126390	128020	132871	145867	149438	165203	15765	30253

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Storage Week Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)

	3-Dec	4-Nov	11-Nov	18-Nov	25-Nov	2-Dec	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	87.8	75.8	77.2	81.2	84.2	88.2	3.9	-0.7
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	17.1	29.1	27.7	23.7	20.7	16.7	-3.9	
NRC % Nuclear Cap Utilization	89.2	77.1	78.5	82.6	85.6	89.6	4.0	

Wind Generation Weekly Average - MWh (EIA)

	3-Dec	4-Nov	11-Nov	18-Nov	25-Nov	2-Dec	WoW	WoW Bcf/d Impact
CALI Wind	362	1641	2226	1221	846	1435	589	-0.1
TEXAS Wind	8733	10904	14751	11139	9361	13076	3715	-0.7
US Wind	47210	44699	68076	46512	51483	60001	8518	-1.6
							17%	
						0.4		

Generation Weekly Average - MWh (EIA)

	3-Dec	4-Nov	11-Nov	18-Nov	25-Nov	2-Dec	LY	Current	WoW	WoW Bcf/d Impact
US Wind	47210	44699	68076	46512	51483	60001			8518	-1.6
US Solar	9922	11428	10765	11598	10664	9643			-1021	0.2
US Petroleum	1052	990	1023	1067	701	805			104	0.0
US Other	8483	10014	10174	9735	9583	7760			-1823	0.3
US Coal	82130	75083	64650	87043	95175	82060			-13115	2.5
US Nuke	92817	79723	81132	85727	89428	92944			3516	-0.7
US Hydro	26776	21591	22941	26263	26012	24662			-1349	0.3
US Gas	157396	157761	152695	174155	168715	144713			-24002	-4.5

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	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Sep-22	Oct-22	Nov-22	Dec-22			
NRC Nuclear Daily Output	82.7	83.7	86.0	76.1	81.8	88.7	82.6	6.9	-1.1
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	22.2	21.2	18.9	28.8	23.1	16.2	22.2	-6.9	1.1
NRC % Nuclear Cap Utilization	84.1	85.1	87.5	77.4	83.2	90.2	84.0	7.0	-1.1

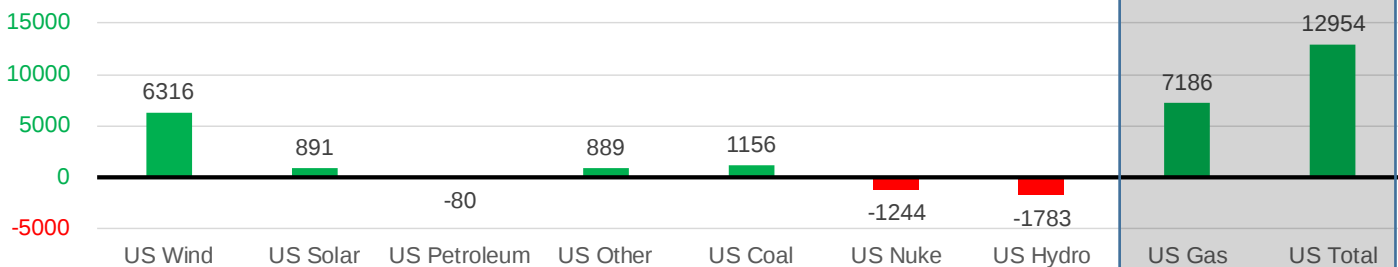
Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD				Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Sep-22	Oct-22	Nov-22	Dec-22			
CALI Wind	1250	1146	1615	1239	1620	775	1467	-845	321
TEXAS Wind	11016	11854	8014	9916	12506	10582	12322	-1924	468
US Wind	46881	51149	38335	43698	57282	62372	57465	5089	6316

Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD				Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Sep-22	Oct-22	Nov-22	Dec-22			
US Wind	46881	51149	38335	43698	57282	62372	57465	▼-4906.9	▲ 6316
US Solar	7148	9733	16163	14198	10697	9981	10624	▲ 642.9	▲ 891
US Petroleum	901	994	852	899	895	1323	914	▼ -409	▼ -80
US Other	8758	8393	10515	10517	9470	7605	9282	▲ 1677	▲ 889
US Coal	85220	80549	91192	75808	80690	85765	81705	▼ -4060	▲ 1156
US Nuke	86920	88488	88601	78132	86362	93008	87244	▼ -5764	▼ -1244
US Hydro	30246	26738	25034	19926	24814	25716	24955	▼ -761	▼ -1783
US Gas	138828	152787	198243	162343	159423	165203	159973	▼ -13581	▲ 7186
US Total	403690	419087	468053	405842	429497	451059	432041	▼ -22256	▲ 12954

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

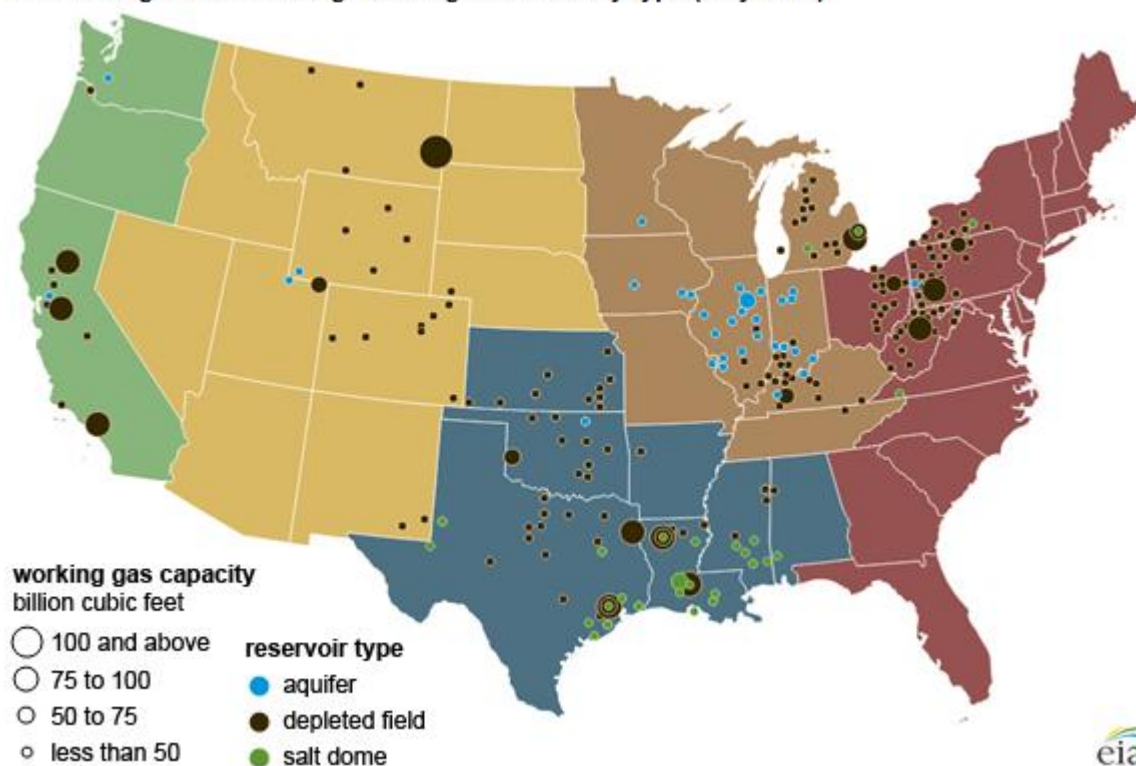
Regional S/D Models Storage Projection

Week Ending 2-Dec

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	-1.1	-0.3	-1.4	-10
East	-3.2	2.0	-1.1	-8
Midwest	-2.2	0.5	-1.7	-12
Mountain	3.5	-4.1	-0.5	-4
South Central	1.3	1.4	2.7	19
Pacific	-0.6	-0.1	-0.7	-5

*Adjustment Factor is calculated based on historical regional deltas

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

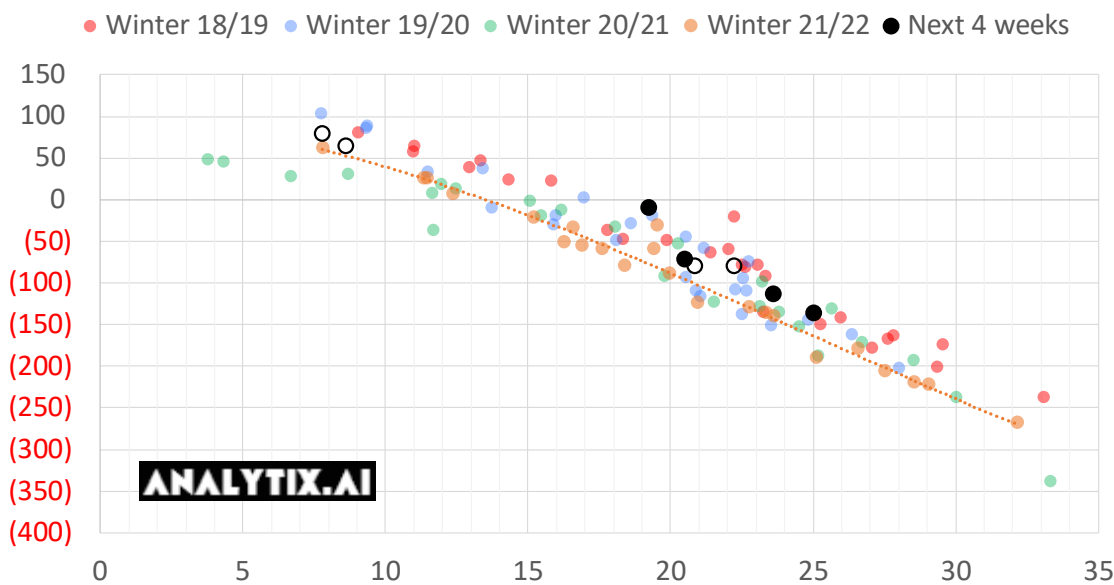


Weather Model Storage Projection

Next report
and beyond

Week Ending	GWDDs	Week Storage Projection
02-Dec	19.2	-10
09-Dec	20.5	-71
16-Dec	25.0	-136
23-Dec	23.6	-113

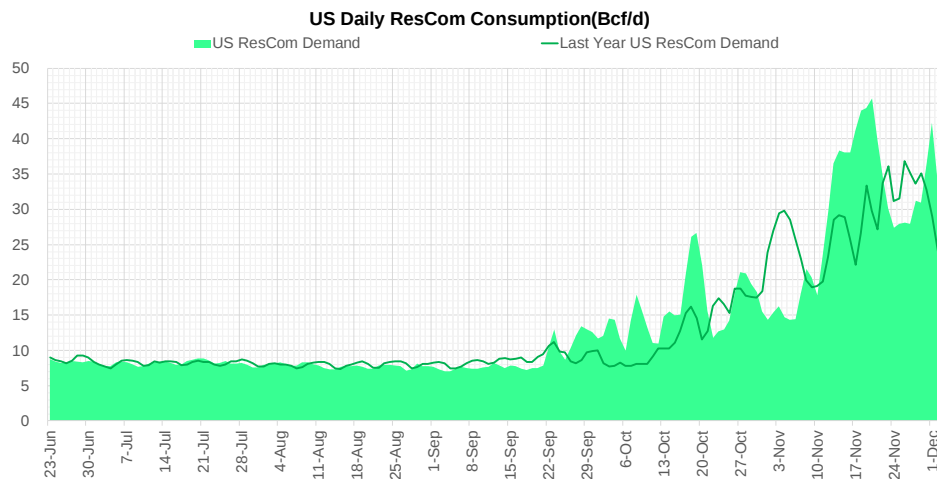
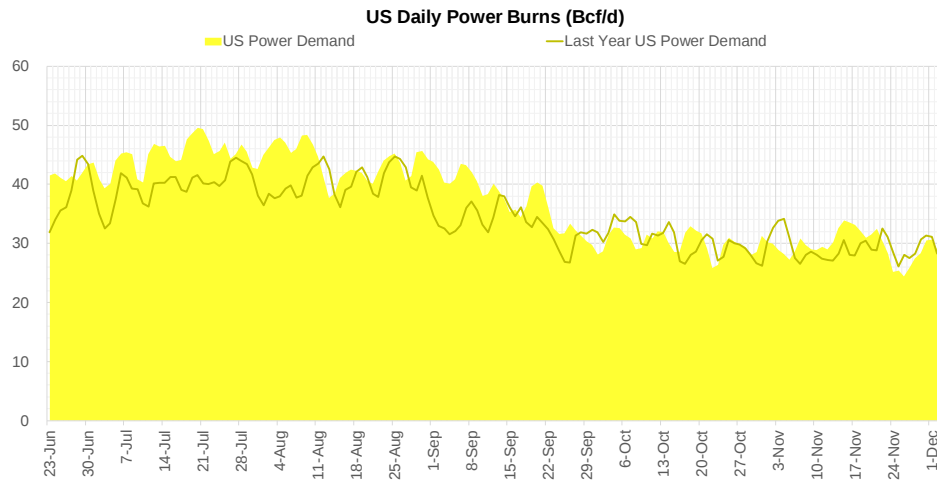
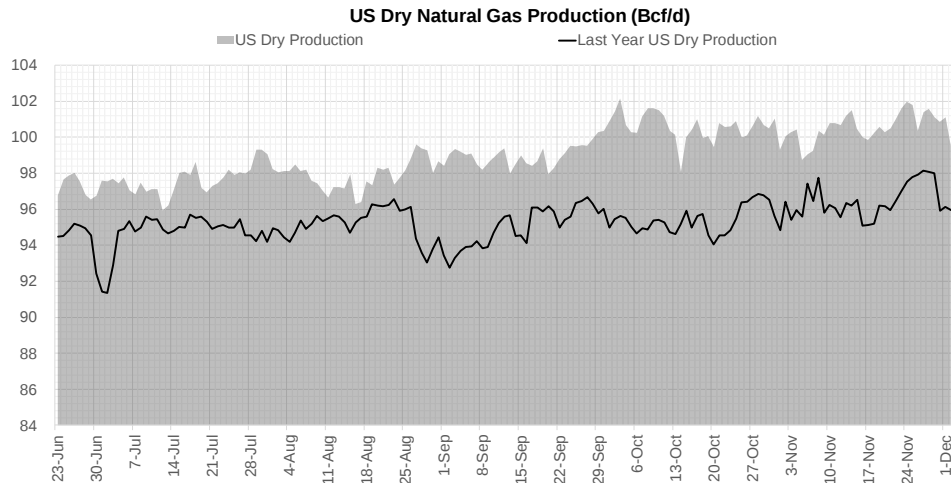
Weather Storage Model - Next 4 Week Forecast



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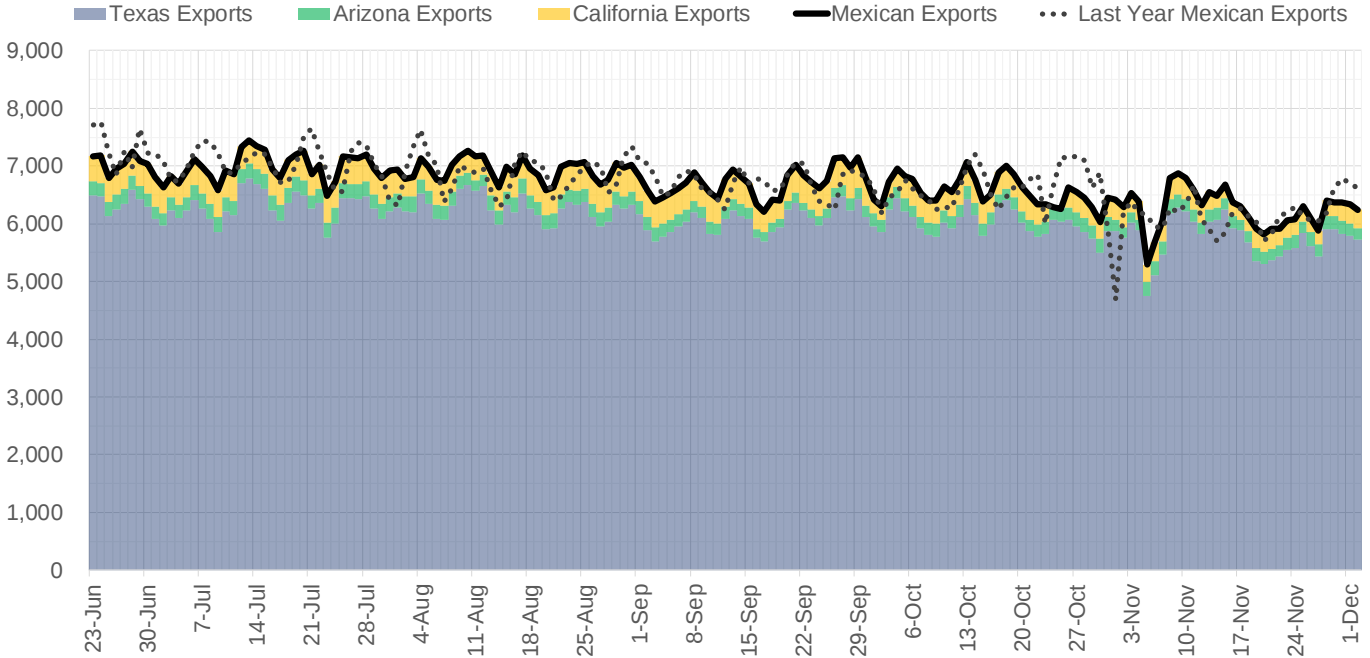
Supply – Demand Trends



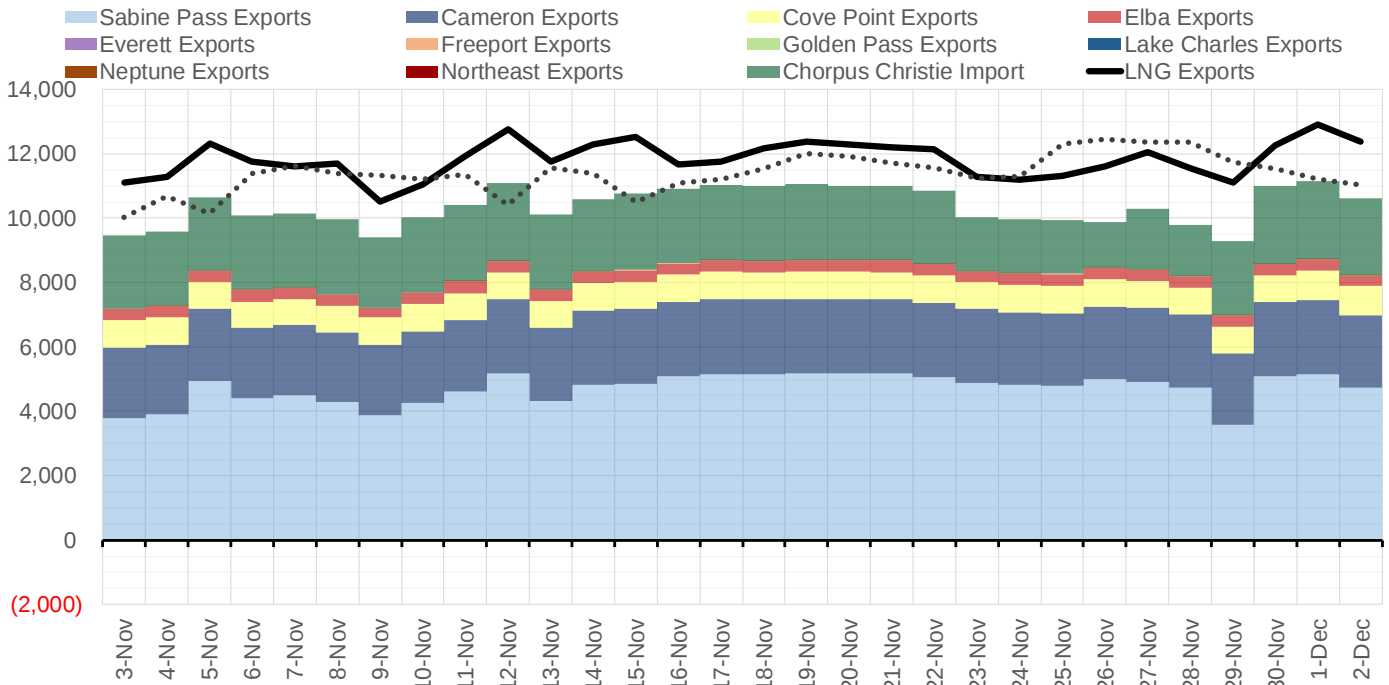
Source: Bloomberg

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
1	2023	C	10.00	4219	10	2023	P	3.00	33465
1	2023	P	5.00	3614	3	2023	C	10.00	31993
2	2023	C	12.00	3509	3	2023	P	4.00	31335
1	2023	C	9.00	3020	5	2023	P	2.00	31104
3	2023	C	12.00	2862	4	2023	P	3.00	29287
1	2023	P	6.00	2443	1	2023	C	10.00	26655
3	2023	C	7.00	2397	1	2023	P	5.00	26167
1	2023	C	7.50	2172	5	2023	P	3.00	24743
1	2023	C	11.00	2018	1	2023	P	4.00	24609
3	2023	C	10.00	1935	7	2023	P	3.00	24277
5	2023	C	7.00	1750	10	2023	P	2.50	24255
7	2023	C	7.50	1750	2	2023	C	12.00	24168
1	2023	C	8.00	1708	3	2023	P	3.00	23773
1	2023	P	4.50	1702	6	2023	P	3.00	23500
5	2023	P	5.00	1700	5	2023	C	6.00	23404
1	2023	P	4.25	1606	4	2023	P	2.00	23242
1	2023	C	12.00	1577	4	2023	P	3.50	23225
2	2023	C	11.00	1571	10	2023	P	2.00	23189
5	2023	P	4.90	1500	3	2023	P	3.50	22197
3	2023	C	6.50	1421	8	2023	P	3.00	22181
5	2023	P	3.00	1413	9	2023	P	3.00	22130
6	2023	P	3.00	1412	2	2023	C	15.00	20991
3	2023	P	4.00	1408	10	2023	P	4.00	20619
3	2023	C	8.00	1329	3	2023	C	12.00	20529
1	2023	C	15.00	1300	3	2023	P	5.00	20221
2	2023	C	8.00	1280	3	2023	C	20.00	20212
4	2023	P	3.00	1163	2	2023	C	10.00	20090
5	2023	P	2.00	1136	2	2023	C	9.00	19980
1	2023	C	6.50	1079	4	2023	P	4.00	19933
1	2023	P	5.30	1070	5	2023	P	2.50	19881
10	2023	P	4.00	1061	6	2023	P	3.50	19825
4	2023	P	4.00	1026	8	2023	P	2.00	19600
5	2023	P	4.00	1012	6	2023	P	2.00	19464
6	2023	P	4.00	1011	1	2023	P	4.50	19431
1	2023	P	5.20	1006	5	2023	P	3.50	19410
10	2023	P	3.00	992	7	2023	P	2.00	19400
3	2023	C	20.00	990	9	2023	P	2.00	19388
8	2023	P	3.00	913	4	2023	P	2.75	19180
7	2023	P	3.00	912	2	2023	C	8.00	18839
9	2023	P	3.00	912	8	2023	P	3.50	18629
7	2023	P	4.00	911	10	2023	P	3.50	18583
8	2023	P	4.00	911	7	2023	P	3.50	18429
9	2023	P	4.00	911	9	2023	P	3.50	18429
3	2023	P	5.50	864	5	2023	P	4.00	18394
2	2023	C	15.00	849	1	2023	P	3.00	18370
2	2023	P	4.00	826	1	2023	C	15.00	18249
1	2023	C	8.50	809	6	2023	P	2.50	18231
3	2023	P	5.00	806	6	2023	P	4.00	18096
2	2023	P	5.00	759	9	2023	P	4.00	17979
					9	2023	P	2.5	17920

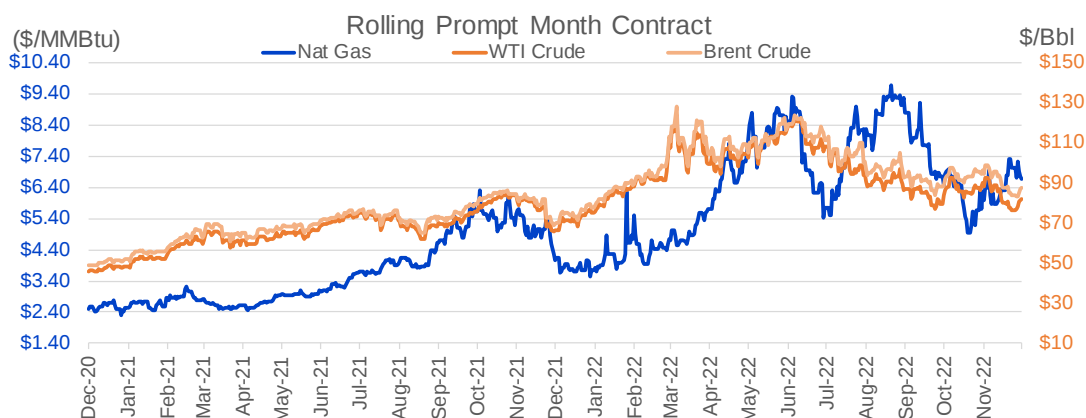
Source: CME, ICE

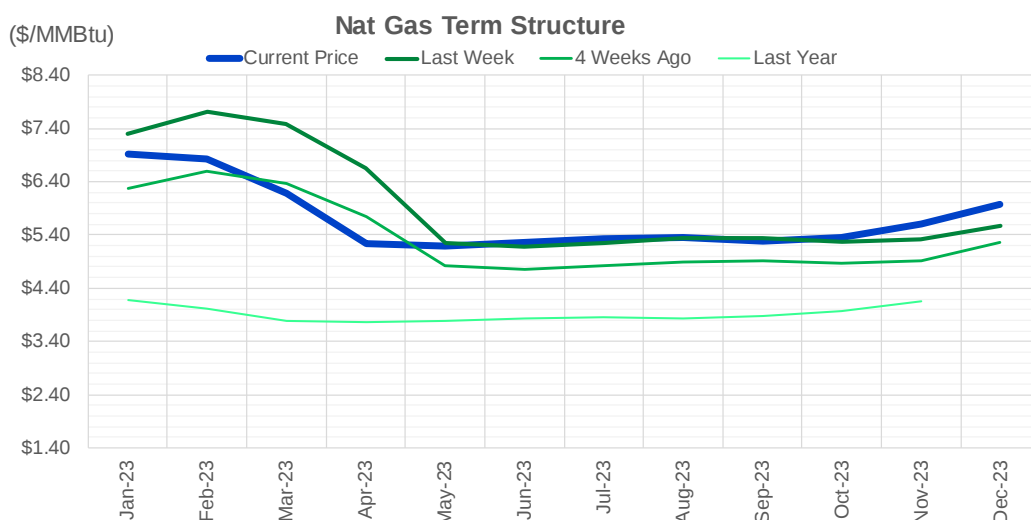
Nat Gas Futures Open Interest

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
JAN 23	157158	158798	-1640	JAN 23	81507	80665	842
FEB 23	66892	67781	-889	FEB 23	69572	69777	-205
MAR 23	117849	118147	-298	MAR 23	71561	71098	463
APR 23	106788	106633	155	APR 23	60923	60816	106
MAY 23	95258	93809	1449	MAY 23	60645	60562	83
JUN 23	29257	28794	463	JUN 23	52012	51808	204
JUL 23	31926	31387	539	JUL 23	51860	51820	40
AUG 23	29531	29360	171	AUG 23	50804	50487	317
SEP 23	35134	35041	93	SEP 23	49237	49051	187
OCT 23	48179	47519	660	OCT 23	65436	65176	261
NOV 23	19911	19812	99	NOV 23	48890	48839	50
DEC 23	30771	30453	318	DEC 23	45982	45926	56
JAN 24	38737	38215	522	JAN 24	48017	48392	-376
FEB 24	13452	13532	-80	FEB 24	31806	31732	74
MAR 24	25681	25306	375	MAR 24	39563	39169	394
APR 24	23998	24131	-133	APR 24	35201	34394	807
MAY 24	11414	10947	467	MAY 24	32404	32191	213
JUN 24	3639	3596	43	JUN 24	28794	28512	282
JUL 24	5215	5153	62	JUL 24	28340	28057	283
AUG 24	4486	4471	15	AUG 24	27476	27195	281
SEP 24	3820	3817	3	SEP 24	27142	26868	274
OCT 24	10300	10270	30	OCT 24	31318	31109	209
NOV 24	4972	4983	-11	NOV 24	27798	27658	141
DEC 24	8761	8751	10	DEC 24	31813	31662	150
JAN 25	18838	18755	83	JAN 25	26498	25754	744
FEB 25	1907	1894	13	FEB 25	15915	15914	1
MAR 25	6216	6226	-10	MAR 25	17666	17549	118
APR 25	6820	6832	-12	APR 25	17264	17187	77
MAY 25	2846	2815	31	MAY 25	16374	16165	209
JUN 25	2676	2676	0	JUN 25	15158	15066	92

Source: CME, ICE



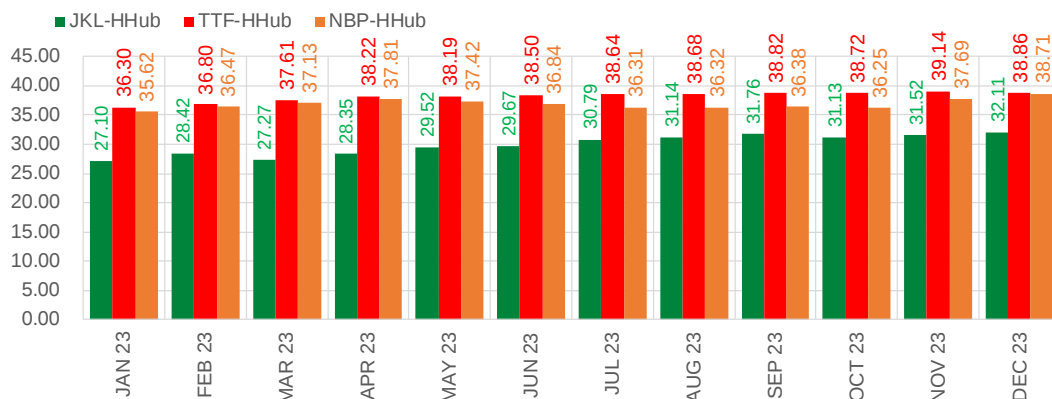
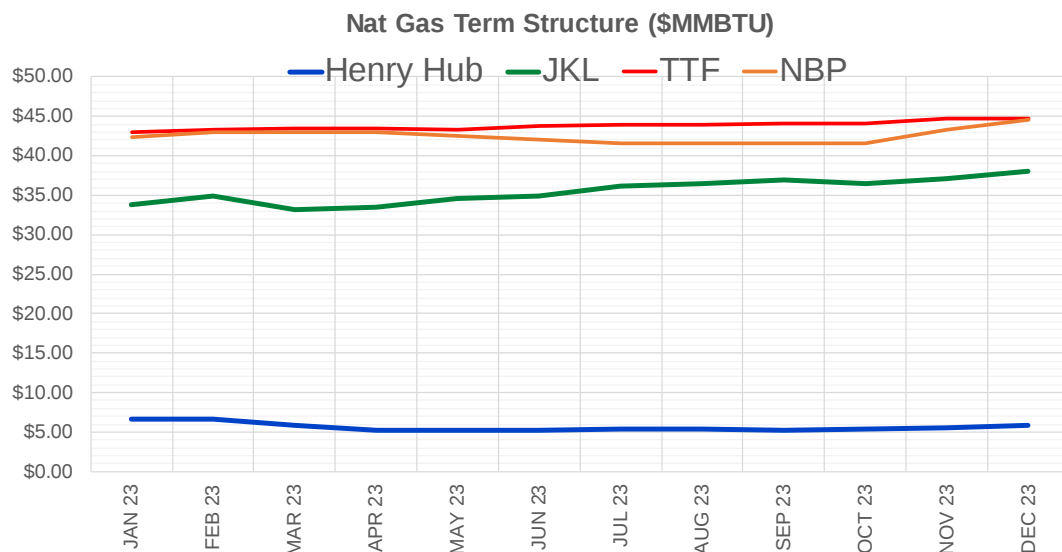


	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Current Price	\$6.930	\$6.818	\$6.178	\$5.247	\$5.181	\$5.256	\$5.335	\$5.343	\$5.288	\$5.350	\$5.610	\$5.976
Last Week	\$7.308	\$7.708	\$7.486	\$6.645	\$5.251	\$5.181	\$5.258	\$5.335	\$5.336	\$5.272	\$5.319	\$5.580
vs. Last Week	-\$0.378	-\$0.890	-\$1.308	-\$1.398	-\$0.070	\$0.075	\$0.077	\$0.008	-\$0.048	\$0.078	\$0.291	\$0.396
4 Weeks Ago	\$6.268	\$6.589	\$6.373	\$5.749	\$4.823	\$4.754	\$4.817	\$4.890	\$4.907	\$4.865	\$4.925	\$5.250
vs. 4 Weeks Ago	\$0.662	\$0.229	-\$0.195	-\$0.502	\$0.358	\$0.502	\$0.518	\$0.453	\$0.381	\$0.485	\$0.685	\$0.726
Last Year	\$4.258	\$4.188	\$4.014	\$3.786	\$3.756	\$3.791	\$3.838	\$3.851	\$3.838	\$3.875	\$3.971	\$4.158
vs. Last Year	\$2.672	\$2.630	\$2.164	\$1.461	\$1.425	\$1.465	\$1.497	\$1.492	\$1.450	\$1.475	\$1.639	\$1.818

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	6.50	24.70	18.20
TETCO M3	\$/MMBtu	5.52	10.30	4.78
FGT Zone 3	\$/MMBtu	5.64	7.75	2.11
Zone 6 NY	\$/MMBtu	5.64	10.70	5.06
Chicago Citygate	\$/MMBtu	5.55	7.50	1.95
Michcon	\$/MMBtu	5.65	6.84	1.19
Columbia TCO Pool	\$/MMBtu	5.72	6.45	0.73
Ventura	\$/MMBtu	5.48	8.09	2.61
Rockies/Opal	\$/MMBtu	17.00	7.47	-9.53
El Paso Permian Basin	\$/MMBtu	4.90	5.15	0.25
Socal Citygate	\$/MMBtu	18.80	12.72	-6.08
Malin	\$/MMBtu	18.45	12.33	-6.13
Houston Ship Channel	\$/MMBtu	5.86	6.72	0.86
Henry Hub Cash	\$/MMBtu	6.25	6.67	0.42
AECO Cash	C\$/GJ	5.01	5.15	0.14
Station2 Cash	C\$/GJ	4.99	13.84	8.85
Dawn Cash	C\$/GJ	5.76	7.12	1.36

Source: CME, Bloomberg

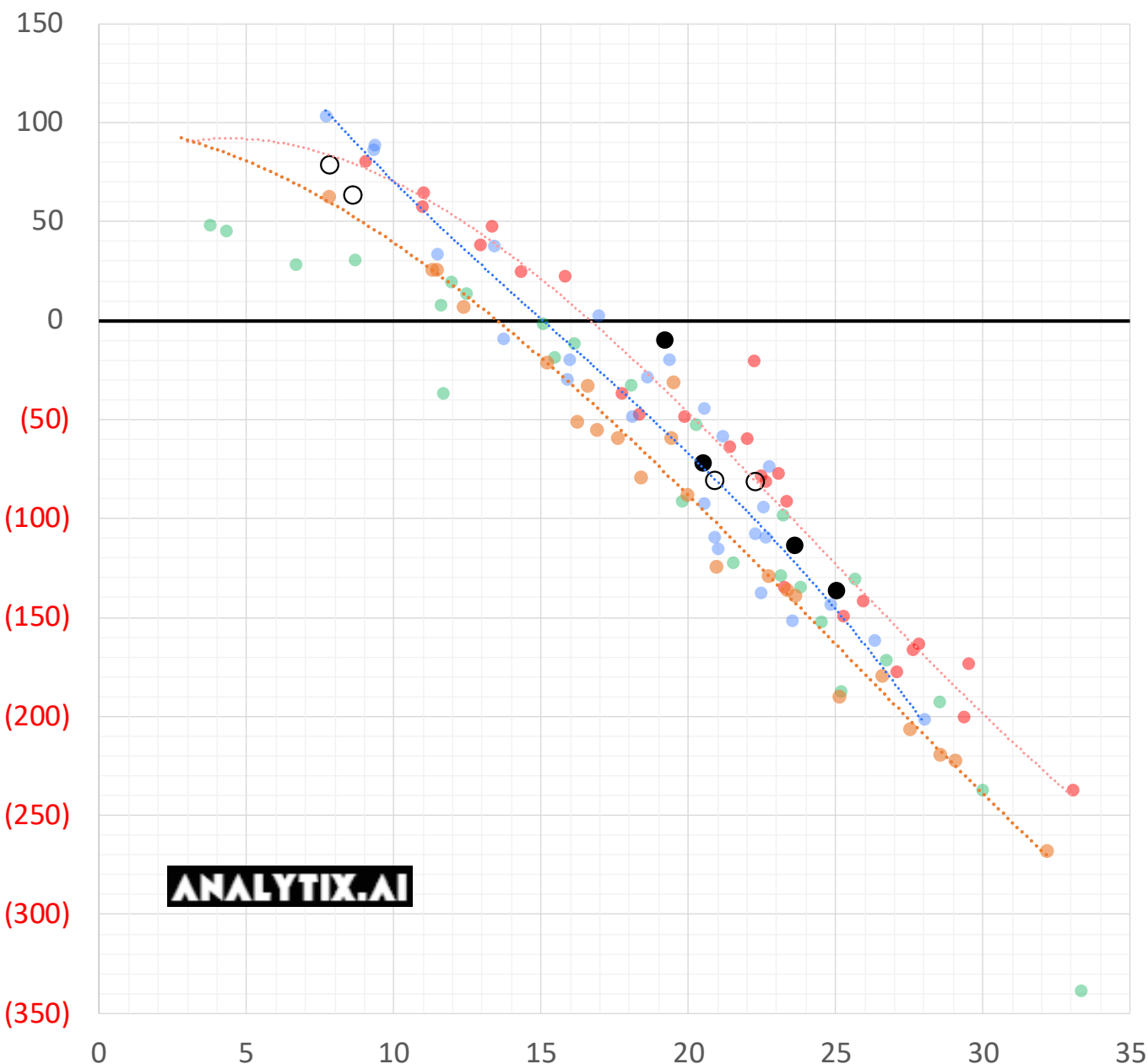
	Units	Current Price	vs. 4 Weeks			
			vs. Last Week	Ago	vs. Last Year	
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 0.000	
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.000	
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -0.032	
NatGas Apr22/Oct22	\$/MMBtu	1.532	▲ 0.000	▲ 0.000	▲ 1.432	
WTI Crude	\$/Bbl	81.22	▲ 3.280	▼ -6.950	▲ 14.720	
Brent Crude	\$/Bbl	86.88	▲ 1.540	▼ -7.790	▲ 17.210	
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000	
Heating Oil	cents/Gallon	326.24	▼ -9.690	▼ -60.290	▲ 115.900	
Propane, Mt. Bel	cents/Gallon	0.76	▼ -0.094	▼ -0.093	▼ -0.204	
Ethane, Mt. Bel	cents/Gallon	0.41	▲ 0.000	▲ 0.021	▲ 0.058	
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				



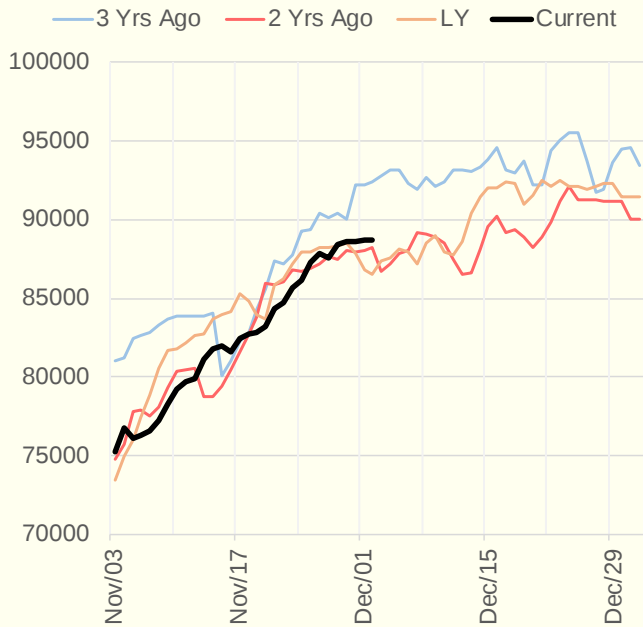
	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23	AUG 23	SEP 23	OCT 23	NOV 23	DEC 23
Henry Hub	\$6.680	\$6.571	\$5.911	\$5.193	\$5.150	\$5.227	\$5.313	\$5.318	\$5.257	\$5.311	\$5.564	\$5.925
JKL	\$33.780	\$34.990	\$33.180	\$33.540	\$34.670	\$34.895	\$36.100	\$36.460	\$37.015	\$36.440	\$37.080	\$38.035
JKL-HHub	\$27.100	\$28.419	\$27.269	\$28.347	\$29.520	\$29.668	\$30.787	\$31.142	\$31.758	\$31.129	\$31.516	\$32.110
TTF	\$42.979	\$43.374	\$43.517	\$43.413	\$43.338	\$43.727	\$43.951	\$43.999	\$44.079	\$44.028	\$44.700	\$44.781
TTF-HHub	\$36.299	\$36.803	\$37.606	\$38.220	\$38.188	\$38.500	\$38.638	\$38.681	\$38.822	\$38.717	\$39.136	\$38.856
NBP	\$42.299	\$43.042	\$43.038	\$42.998	\$42.571	\$42.069	\$41.622	\$41.638	\$41.634	\$41.561	\$43.255	\$44.638
NBP-HHub	\$35.619	\$36.471	\$37.127	\$37.805	\$37.421	\$36.842	\$36.309	\$36.320	\$36.377	\$36.250	\$37.691	\$38.713

Weather Storage Model - Next 4 Week Forecast

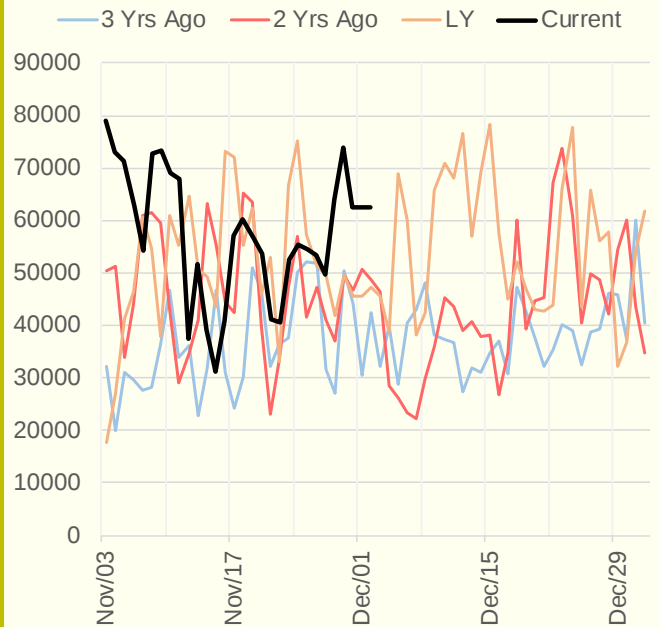
● Winter 18/19 ● Winter 19/20 ● Winter 20/21 ● Winter 21/22 ● Next 4 weeks



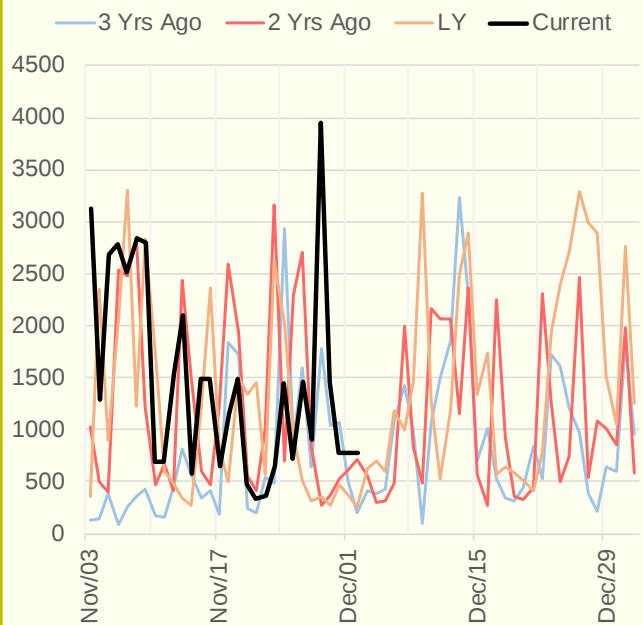
NRC Nuclear Daily Output



US Wind



CALI Wind



TEXAS Wind

