

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 6.57 ▼	\$ (0.45) ▼	\$ (0.46) ▼

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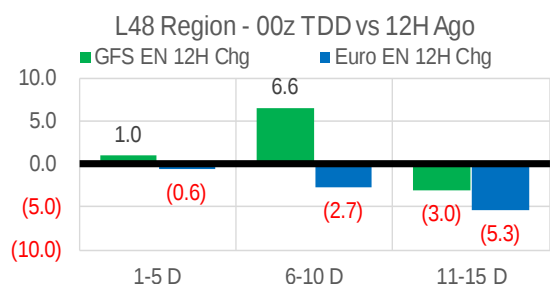
[Nat Gas Futures Open Interest](#)

[Price Summary](#)

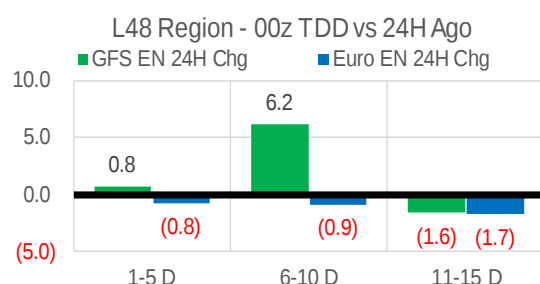
	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 74.01 ▼	\$ (2.27) ▼	\$ (3.9) ▼

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 81.01 ▼	\$ (2.62) ▼	\$ (4.3) ▼

Vs. 12H Ago



Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	102.1 ▲	0.03 ▲	0.35 ▲

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	26.3 ▼	-0.19 ▼	-1.03 ▼

	Current	Δ from YD	Δ from 7D Avg
US ResComm	30.6 ▲	1.89 ▲	-0.81 ▼

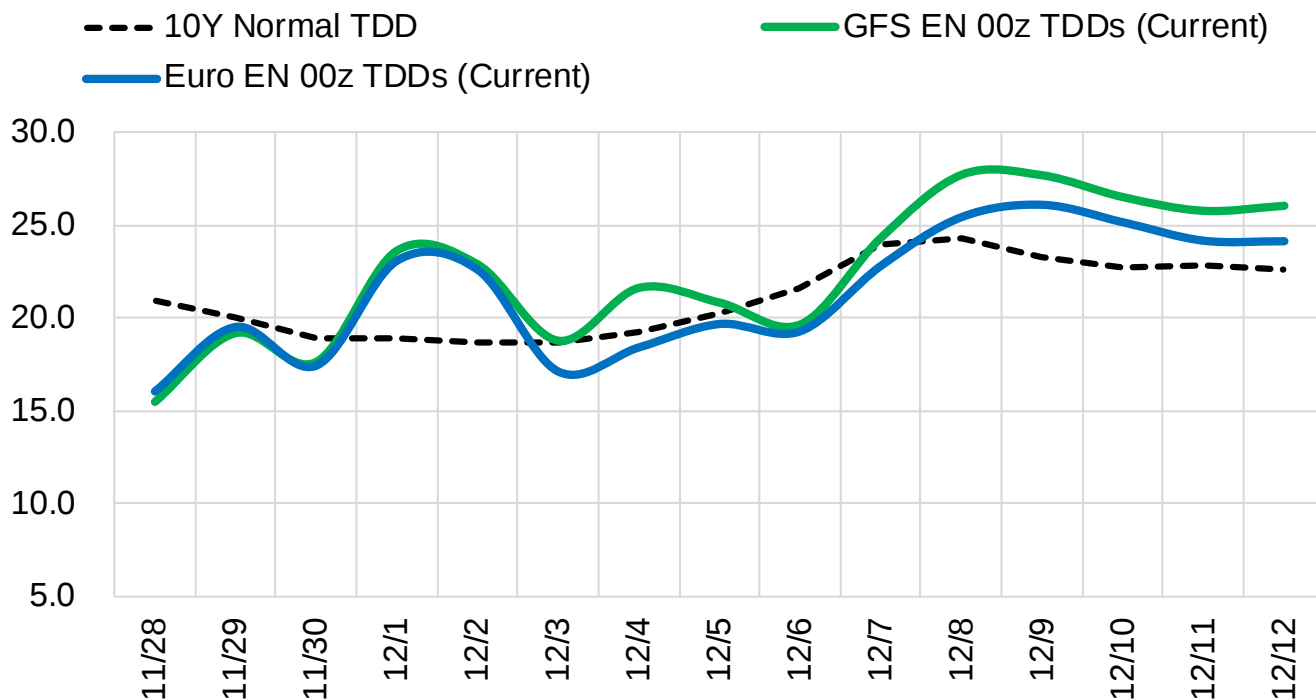
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	5.1 ▲	0.12 ▲	-0.30 ▼

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	11.6 ▼	-0.36 ▼	-0.06 ▼

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	5.7 ▼	-0.18 ▼	-0.34 ▼

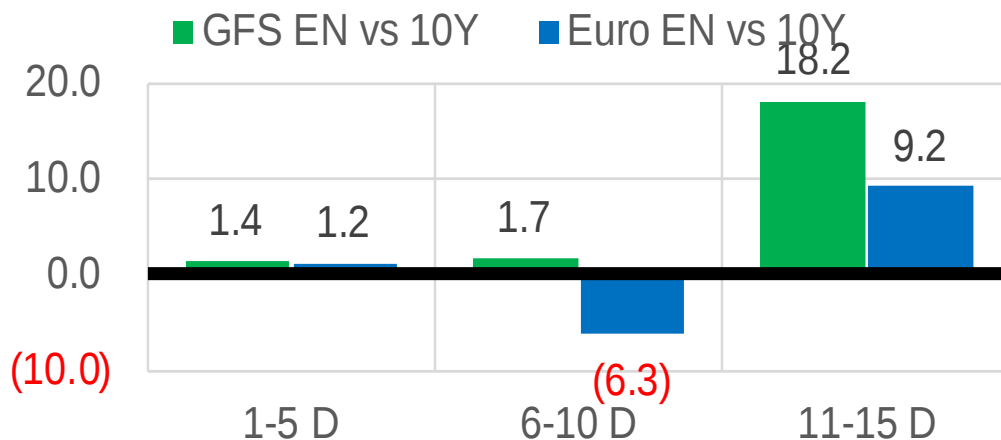
Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI , Bloomberg

Lower 48 Component Models

Daily Balances

	22-Nov	23-Nov	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	DoD	vs. 7D
Lower 48 Dry Production	101.4	102.0	102.5	102.2	100.8	102.0	102.1	▲ 0.0	▲ 0.2
Canadian Imports	5.9	5.4	5.0	5.1	4.9	4.9	5.1	▲ 0.1	▼ -0.1
L48 Power	30.0	28.4	25.0	25.3	24.2	26.5	26.3	▼ -0.2	▼ -0.3
L48 Residential & Commercial	34.7	30.6	28.1	28.6	28.8	28.7	30.6	▲ 1.9	▲ 0.7
L48 Industrial	22.9	22.7	23.1	23.7	24.3	24.8	25.1	▲ 0.3	▲ 1.5
L48 Lease and Plant Fuel	5.7	5.7	5.7	5.7	5.6	5.7	5.7	▼ 0.0	▼ 0.0
L48 Pipeline Distribution	3.7	3.4	3.1	3.1	3.1	3.2	3.3	▲ 0.1	▲ 0.0
L48 Regional Gas Consumption	97.0	90.8	85.0	86.4	86.1	88.9	91.0	▲ 2.1	▲ 2.0
Net LNG Delivered	12.15	11.29	11.20	11.31	11.60	11.98	11.62	▼ -0.4	▲ 0.0
Total Mexican Exports	5.9	6.1	6.1	6.2	6.0	5.9	5.7	▼ -0.2	▼ -0.3
Implied Daily Storage Activity	-7.7	-0.8	5.2	3.4	2.1	0.3	-1.1		
EIA Reported Daily Storage Activity									
Daily Model Error									

EIA Storage Week Balances

	LY 26-Nov	28-Oct	4-Nov	11-Nov	LW 18-Nov	Current 25-Nov	WoW	vs. LY
Lower 48 Dry Production	96.7	101.0	101.1	100.4	101.1	101.3	▲ 0.2	▲ 4.6
Canadian Imports	5.5	5.3	4.9	4.2	6.6	6.0	▼ -0.5	▲ 0.5
L48 Power	29.4	28.9	29.5	29.1	31.5	29.8	▼ -1.7	0.4
L48 Residential & Commercial	31.8	15.9	17.6	17.7	35.5	38.4	▲ 3.0	6.6
L48 Industrial	23.8	21.1	21.3	22.8	24.9	23.6	▼ -1.3	-0.2
L48 Lease and Plant Fuel	5.4	5.6	5.6	5.6	5.6	5.7	▲ 0.0	0.3
L48 Pipeline Distribution	3.5	2.8	2.8	2.7	3.9	3.9	▲ 0.1	0.4
L48 Regional Gas Consumption	94.0	74.4	77.0	78.0	101.3	101.4	▲ 0.1	▲ 7.4
Net LNG Exports	11.7	11.4	11.9	11.5	12.1	12.0	▼ -0.1	▲ 0.2
Total Mexican Exports	6.0	6.4	6.3	6.3	6.5	6.0	▼ -0.5	▼ -0.1
Implied Daily Storage Activity	-9.5	14.2	10.7	8.8	-12.2	-12.0	0.2	-2.5
EIA Reported Daily Storage Activity	-8.4	15.3	11.3	9.1	-11.4			
Daily Model Error	-1.1	-1.1	-0.5	-0.3	-0.8			

Monthly Balances

	2Yr Ago Nov-20	LY Nov-21	Jul-22	Aug-22	Sep-22	Oct-22	MTD Nov-22	MoM	vs. LY
Lower 48 Dry Production	91.2	96.4	97.8	98.2	100.5	101.2	101.0	▼ -0.3	▲ 4.5
Canadian Imports	4.6	5.3	5.9	5.4	5.9	5.7	5.4	▼ -0.3	▲ 0.1
L48 Power	25.7	29.3	44.8	43.8	37.0	30.2	29.6	▼ -0.6	▲ 0.2
L48 Residential & Commercial	24.4	28.2	8.2	7.8	8.9	16.6	28.7	▲ 12.1	▲ 0.5
L48 Industrial	22.5	23.3	19.4	19.7	20.5	20.6	23.6	▲ 2.9	▲ 0.2
L48 Lease and Plant Fuel	5.0	5.4	5.5	5.5	5.5	5.7	5.6	▼ 0.0	▲ 0.3
L48 Pipeline Distribution	2.7	3.3	3.1	3.0	2.8	2.9	3.4	▲ 0.5	▲ 0.0
L48 Regional Gas Consumption	80.3	89.5	81.0	79.9	74.7	75.9	90.8	▲ 14.9	▲ 1.3
Net LNG Exports	10.1	11.4	10.9	11.0	11.5	11.3	11.8	▲ 0.5	▲ 0.4
Total Mexican Exports	6.1	6.1	7.0	6.9	6.7	6.6	6.2	▼ -0.3	▲ 0.1
Implied Daily Storage Activity	-0.7	-5.3	4.8	5.8	13.6	13.1	-2.5		
EIA Reported Daily Storage Activity									
Daily Model Error					-0.5				

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	20-Nov	21-Nov	22-Nov	23-Nov	24-Nov	25-Nov	26-Nov	DoD	vs. 7D
NRC Nuclear Daily Output	83.2	84.3	84.8	85.7	85.7	87.3	87.3	0.0	2.1
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	21.7	20.6	20.1	19.2	19.2	17.6	17.6	0.0	-2.1
NRC % Nuclear Cap Utilization	84.6	85.7	86.2	87.1	87.1	88.7	88.7	0.0	2.2

Wind Generation Daily Average - MWh (EIA)

	20-Nov	21-Nov	22-Nov	23-Nov	24-Nov	25-Nov	26-Nov	DoD	vs. 7D
CALI Wind	479	339	364	653	1452	726	1455	729	786
TEXAS Wind	6589	7365	8480	10989	12560	16290	10743	-5547	364
US Wind	35381	29435	31950	52648	55344	54502	53534	-969	10324

Generation Daily Average - MWh (EIA)

	20-Nov	21-Nov	22-Nov	23-Nov	24-Nov	25-Nov	26-Nov	DoD	vs. 7D
US Wind	35381	29435	31950	52648	55344	54502	53534	-969	10324
US Solar	8914	10327	9591	10062	8947	7934	10291	2357	995
US Petroleum	576	403	726	927	838	818	324	-494	-391
US Other	8478	8958	8168	9332	7983	7575	7902	327	-514
US Coal	73913	78948	74897	89341	81290	79076	80034	958	456
US Nuke	77681	78314	78944	90721	91082	92170	92691	521	7872
US Hydro	23924	26854	25199	25619	23496	22381	23110	729	-1468
US Gas	152368	165111	150137	157238	127100	126390	128079	1689	-18311

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

Storage Week Average Generation Data

Nuclear Generation Weekly Average - GWh (NRC)

	26-Nov	28-Oct	4-Nov	11-Nov	18-Nov	25-Nov	WoW	WoW Bcf/d Impact
NRC Nuclear Daily Output	86.1	74.1	75.8	77.2	81.2	84.2	2.9	-0.6
NRC Nuclear Max Capacity	104.9	104.9	104.9	104.9	104.9	104.9	0.0	
NRC Nuclear Outage	18.8	30.7	29.1	27.7	23.7	20.7	-2.9	
NRC % Nuclear Cap Utilization	87.6	75.4	77.1	78.5	82.6	85.6	3.0	

Wind Generation Weekly Average - MWh (EIA)

	26-Nov	28-Oct	4-Nov	11-Nov	18-Nov	25-Nov	WoW	WoW Bcf/d Impact
CALI Wind	1495	1974	1641	2226	1221	846	-375	0.1
TEXAS Wind	14691	17228	10904	14751	11139	9361	-1778	0.3
US Wind	56264	64748	44699	61742	37916	39991	2075	-0.4
							5%	
							-0.2	

Generation Weekly Average - MWh (EIA)

	26-Nov	28-Oct	4-Nov	11-Nov	18-Nov	25-Nov	LY	Current	WoW	WoW Bcf/d Impact
US Wind	56264	64748	44699	61742	37916	39991			2075	-0.4
US Solar	9087	13756	11428	10434	10822	9821			-1001	0.2
US Petroleum	960	933	990	1023	1067	701			-366	0.1
US Other	8446	9085	10014	9835	8734	8598			-137	0.0
US Coal	82147	69841	75083	61413	66061	77964			11903	-2.2
US Nuke	91272	77718	79723	78225	76194	81512			5318	-1.0
US Hydro	27837	19097	21591	22698	25196	25228			33	0.0
US Gas	150609	148302	157761	148034	152719	152085			-634	-0.1

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	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Aug-22	Sep-22	Oct-22	Nov-22			
NRC Nuclear Daily Output	81.1	81.6	90.5	86.2	76.1	81.2	80.8	5.1	-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	23.8	23.3	14.3	18.7	28.8	23.7	24.1	-5.1	0.7
NRC % Nuclear Cap Utilization	82.4	82.9	92.1	87.7	77.4	82.6	82.2	5.2	-0.8

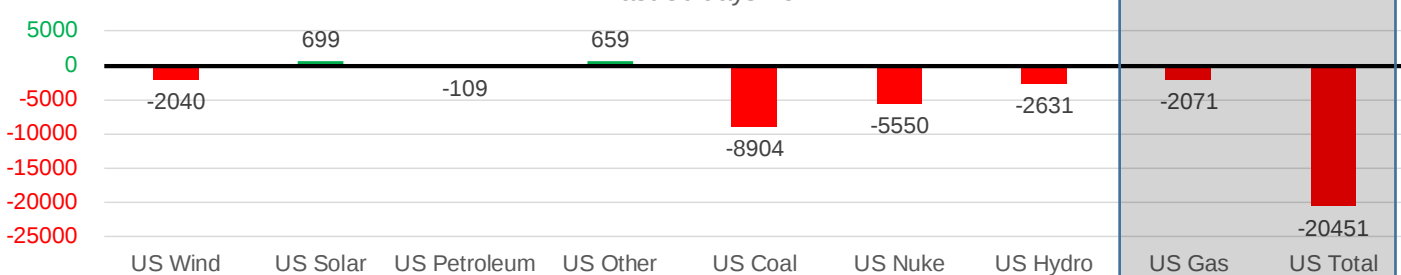
Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY	MTD				Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
	Same 30 days	Same 30 days	Aug-22	Sep-22	Oct-22	Nov-22			
CALI Wind	1237	1383	2028	1608	1239	1586	1516	348	133
TEXAS Wind	10142	11767	8440	7993	9916	12242	11666	2326	-101
US Wind	45524	49807	33222	38270	43698	49678	47767	5980	-2040

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	Aug-22	Sep-22	Oct-22	Nov-22			
US Wind	45524	49807	33222	38270	43698	49678	47767	▼-1910.8	▼-2040
US Solar	7267	9707	16962	16163	14198	10306	10406	▲100.1	▲699
US Petroleum	886	987	1251	864	899	869	878	▲9	▼-109
US Other	8833	8411	10597	10512	10517	9014	9070	▲56	▲659
US Coal	84816	79738	117203	92002	75808	70044	70834	▲790	▼-8904
US Nuke	85139	86202	92976	89062	78132	80750	80652	▼-99	▼-5550
US Hydro	29905	26449	30192	25203	19926	24091	23818	▼-273	▼-2631
US Gas	136127	151280	233739	200120	162343	148088	149209	▼-1327	▼-2071
US Total	397553	412908	535696	470764	405842	392684	392457	▼-744	▼-20451

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

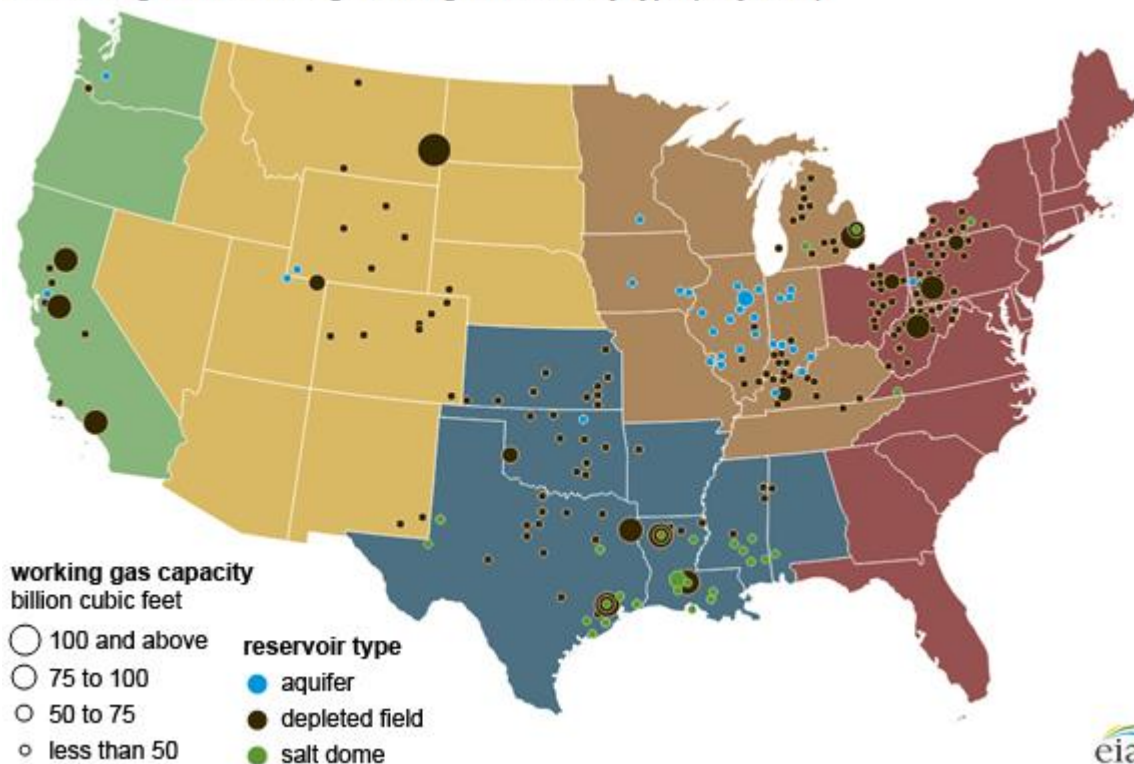
Regional S/D Models Storage Projection

Week Ending 25-Nov

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	-11.2	-0.2	-11.5	-80
East	-6.2	2.3	-3.8	-27
Midwest	-4.3	0.1	-4.3	-30
Mountain	3.4	-3.9	-0.5	-4
South Central	-3.3	1.3	-2.1	-15
Pacific	-0.7	0.0	-0.8	-5

*Adjustment Factor is calculated based on historical regional deltas

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

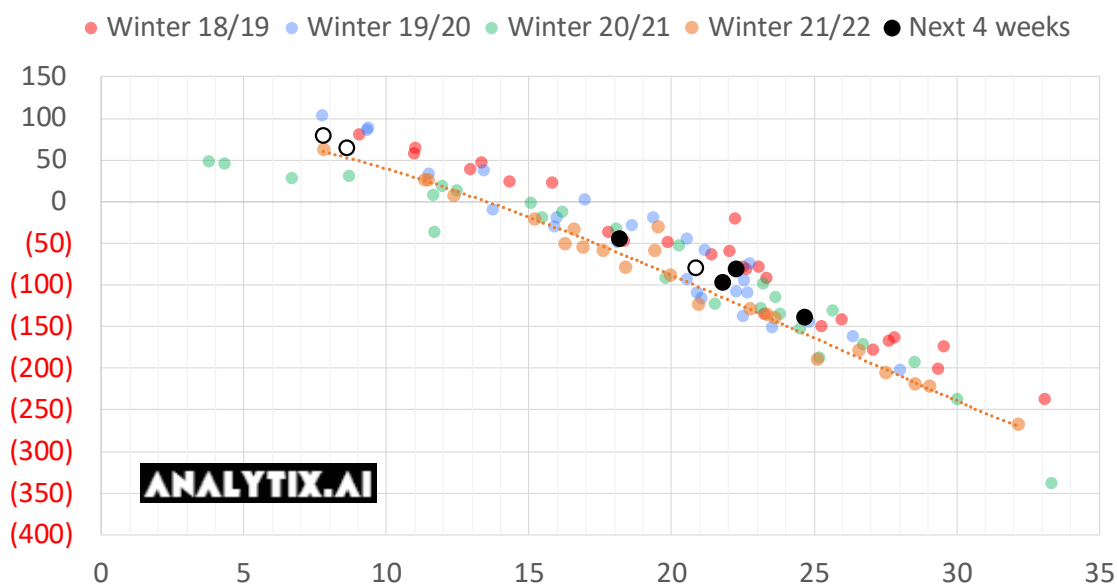


Weather Model Storage Projection

Next report
and beyond

Week Ending	GWDDs	Week Storage Projection
25-Nov	22.3	-80
02-Dec	18.2	-44
09-Dec	21.8	-96
16-Dec	24.6	-138

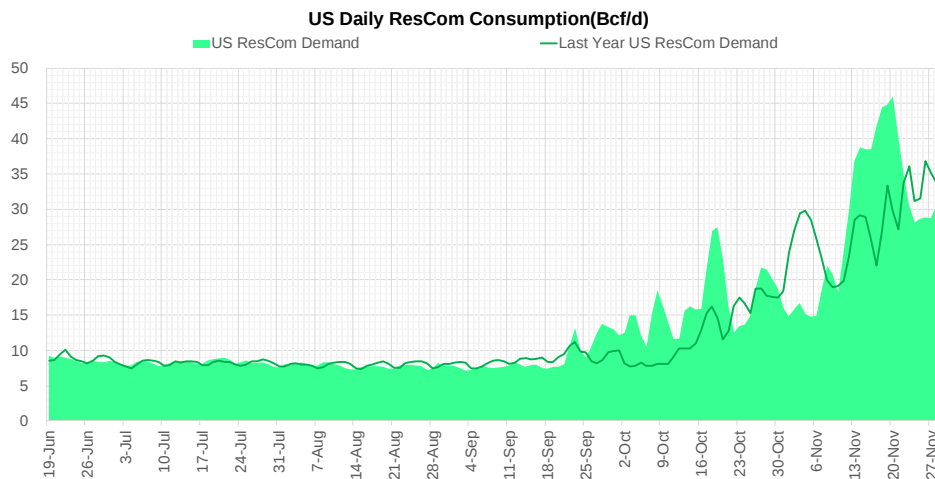
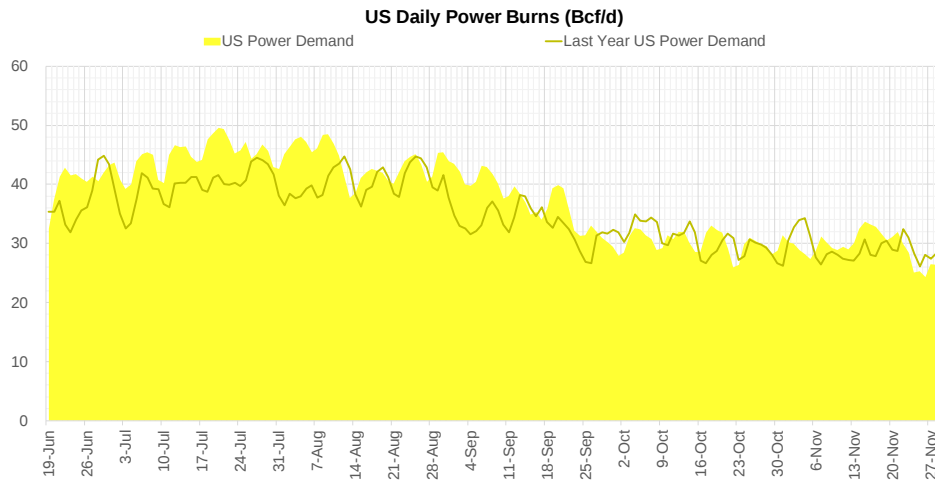
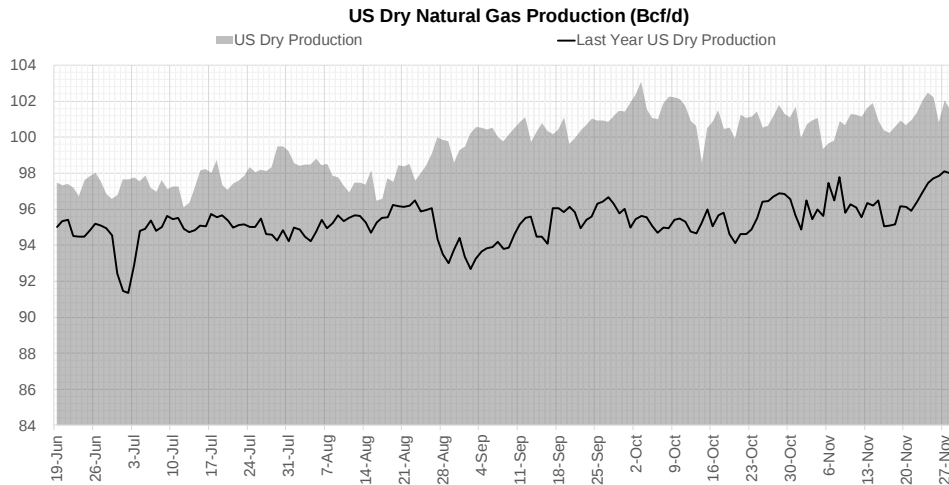
Weather Storage Model - Next 4 Week Forecast



[Go to larger image](#)



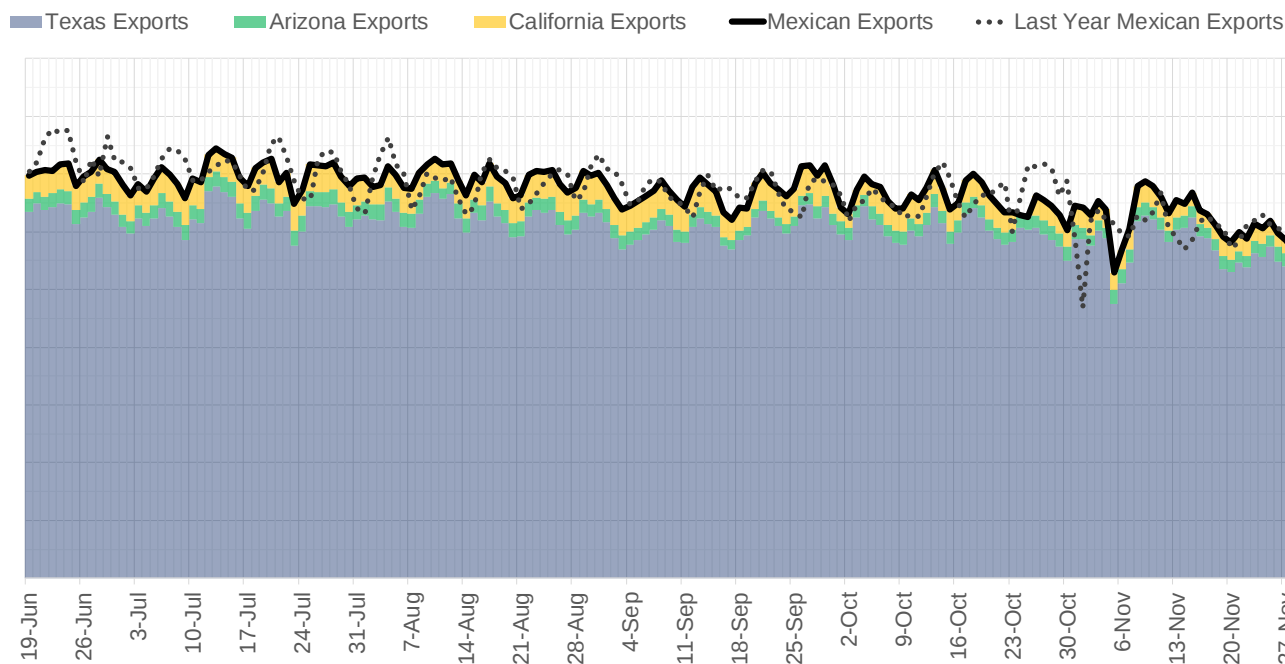
Supply – Demand Trends



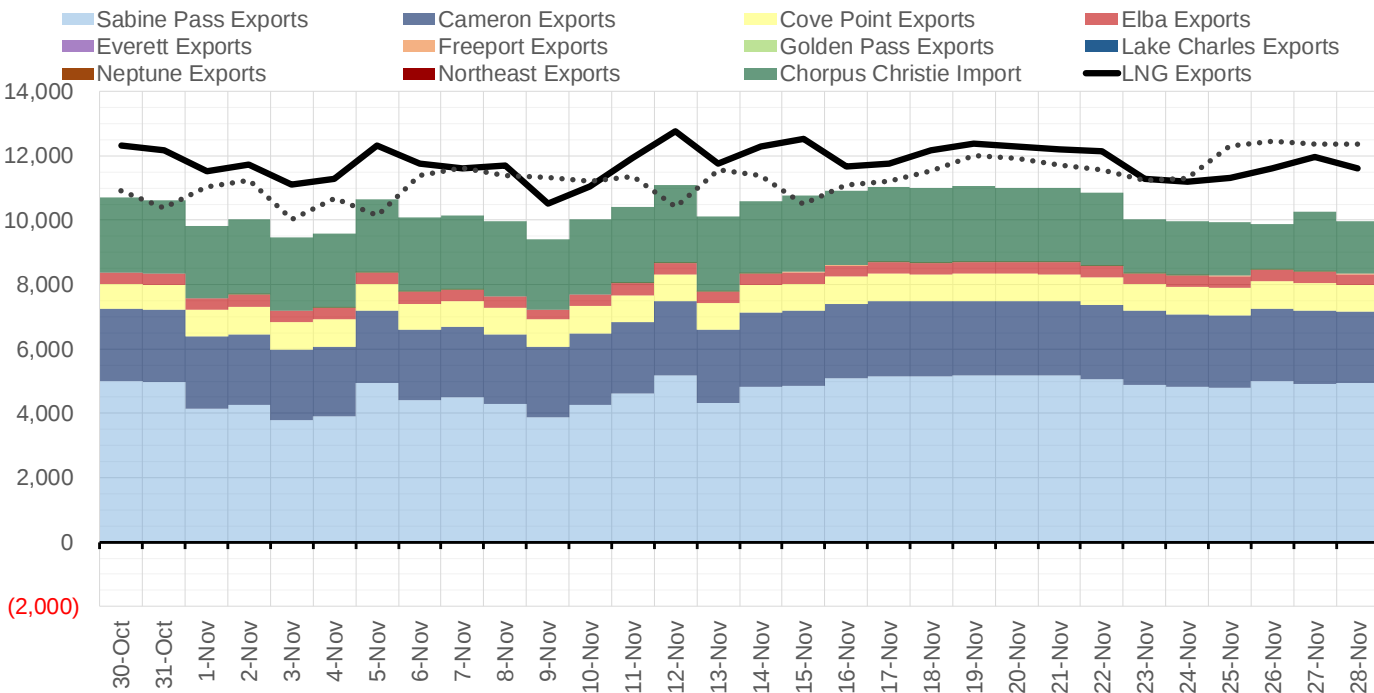
Source: Bloomberg

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	2023	P	3.50	10103	12	2022	P	4.00	49563
1	2023	P	6.00	9114	12	2022	P	5.00	43502
1	2023	P	5.00	8673	12	2022	P	6.00	34020
1	2023	P	5.50	6613	3	2023	P	4.00	32237
3	2023	P	3.00	5700	10	2023	P	3.00	31315
1	2023	P	4.50	5141	5	2023	P	2.00	31214
3	2023	P	4.00	5088	12	2022	C	10.00	31209
12	2022	C	7.50	2085	12	2022	P	4.50	30582
12	2022	P	7.00	1892	3	2023	C	10.00	29288
12	2022	C	7.00	1749	12	2022	P	3.50	28224
1	2023	P	6.50	1629	4	2023	P	3.00	27768
1	2023	C	10.00	1602	1	2023	C	10.00	27350
12	2022	P	6.95	1305	12	2022	P	4.75	26207
1	2023	C	8.00	1201	1	2023	P	5.00	24608
12	2022	P	6.90	1129	5	2023	P	3.00	23978
1	2023	C	9.00	1075	3	2023	P	3.00	23953
12	2022	C	6.90	1004	4	2023	P	2.00	23717
12	2022	C	6.95	1003	10	2023	P	2.00	23613
1	2023	P	5.25	1001	10	2023	P	2.50	23430
12	2022	P	6.75	919	5	2023	C	6.00	23399
1	2023	C	8.50	814	12	2022	C	6.00	23210
12	2022	C	7.25	804	6	2023	P	3.00	23205
1	2023	P	7.00	792	12	2022	C	8.00	23197
1	2023	P	4.00	688	7	2023	P	3.00	22095
1	2023	P	3.00	676	3	2023	P	3.50	22024
2	2023	P	3.50	655	8	2023	P	3.00	21756
4	2023	P	3.00	651	4	2023	P	3.50	21731
2	2023	P	6.00	650	9	2023	P	3.00	21705
12	2022	C	7.75	620	2	2023	C	12.00	21174
3	2023	C	10.00	542	1	2023	P	4.00	20496
1	2023	P	7.50	541	12	2022	P	3.00	20309
1	2023	C	7.80	518	10	2023	P	4.00	20069
1	2023	C	7.90	513	8	2023	P	2.00	20050
2	2023	P	5.50	501	6	2023	P	2.00	19979
2	2023	C	10.00	466	2	2023	C	10.00	19975
1	2023	P	5.75	425	9	2023	P	2.00	19888
12	2022	C	7.15	410	7	2023	P	2.00	19850
12	2022	C	7.20	368	5	2023	P	2.50	19831
3	2023	C	15.00	350	3	2023	C	20.00	19817
3	2023	P	5.00	350	12	2022	C	7.00	19700
12	2022	C	7.30	328	12	2022	P	5.50	19233
12	2022	C	7.35	325	4	2023	P	4.00	19115
12	2022	C	8.00	323	2	2023	C	9.00	18843
12	2022	C	7.45	314	4	2023	P	2.75	18780
12	2022	C	6.50	287	6	2023	P	3.50	18385
1	2023	C	12.00	280	6	2023	P	2.50	18231
2	2023	P	4.00	251	12	2022	C	5.00	18112
3	2023	P	6.00	250	3	2023	P	5.00	17962
12	2022	C	7.10	238	5	2023	P	4.00	17939
					5	2023	P	3.5	17920

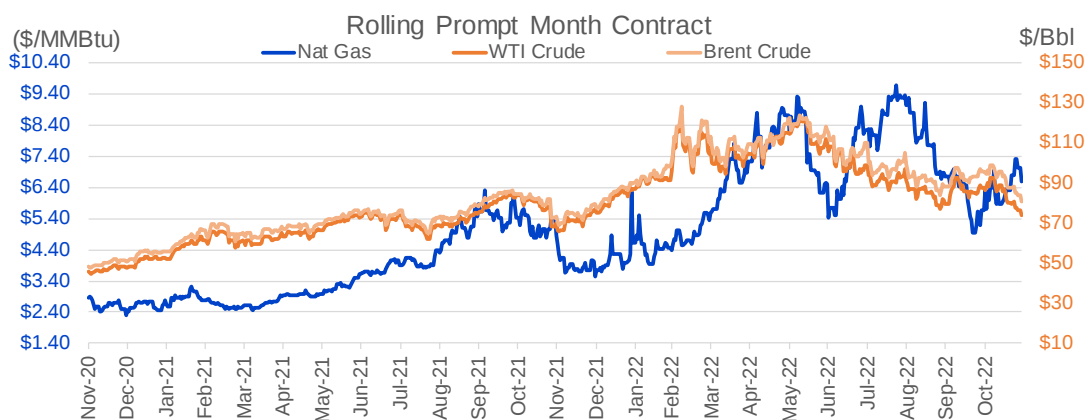
Source: CME, ICE

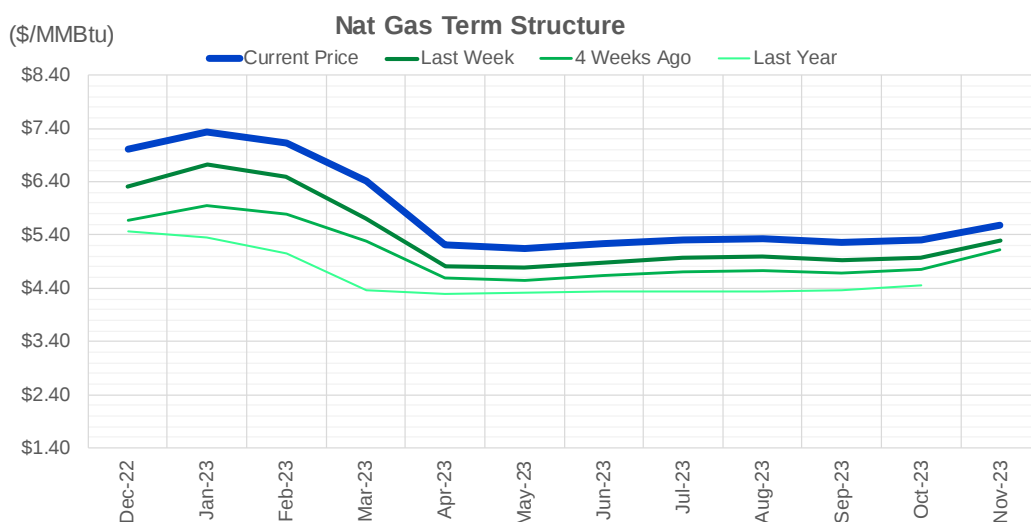
Nat Gas Futures Open Interest

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
DEC 22	3463	11571	-8108	DEC 22	78321	77503	818
JAN 23	165992	167087	-1095	JAN 23	80080	80752	-672
FEB 23	65356	64799	557	FEB 23	69158	67695	1462
MAR 23	113292	112749	543	MAR 23	68235	65539	2696
APR 23	103528	102294	1234	APR 23	59554	59926	-373
MAY 23	93507	91925	1582	MAY 23	59949	61541	-1593
JUN 23	28789	28873	-84	JUN 23	51983	51258	725
JUL 23	30858	30613	245	JUL 23	51920	51933	-14
AUG 23	28670	28216	454	AUG 23	50416	50161	255
SEP 23	34121	33901	220	SEP 23	48737	48675	62
OCT 23	49148	48959	189	OCT 23	64242	63781	461
NOV 23	19490	19828	-338	NOV 23	49046	48802	244
DEC 23	30236	30004	232	DEC 23	45602	45282	320
JAN 24	36246	35269	977	JAN 24	48056	47415	641
FEB 24	12829	12685	144	FEB 24	31793	31534	260
MAR 24	24811	24818	-7	MAR 24	39369	39521	-151
APR 24	23644	23850	-206	APR 24	33090	32937	153
MAY 24	10423	10379	44	MAY 24	31854	31883	-29
JUN 24	3546	3554	-8	JUN 24	28218	28066	152
JUL 24	4854	4901	-47	JUL 24	27679	27260	419
AUG 24	4427	4477	-50	AUG 24	26832	26412	419
SEP 24	3730	3703	27	SEP 24	26545	26198	347
OCT 24	10024	9990	34	OCT 24	30715	30911	-196
NOV 24	4937	4928	9	NOV 24	27449	27141	308
DEC 24	8745	8741	4	DEC 24	31433	31254	179
JAN 25	18662	18644	18	JAN 25	25863	26075	-212
FEB 25	1880	1880	0	FEB 25	15836	15989	-153
MAR 25	6187	6255	-68	MAR 25	17705	17834	-128
APR 25	6856	6746	110	APR 25	16908	16862	46
MAY 25	2815	2815	0	MAY 25	15961	15751	210

Source: CME, ICE



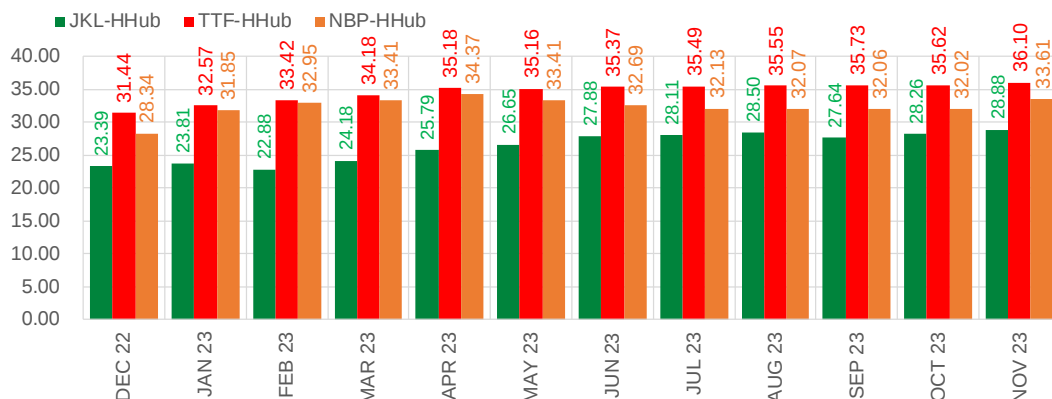
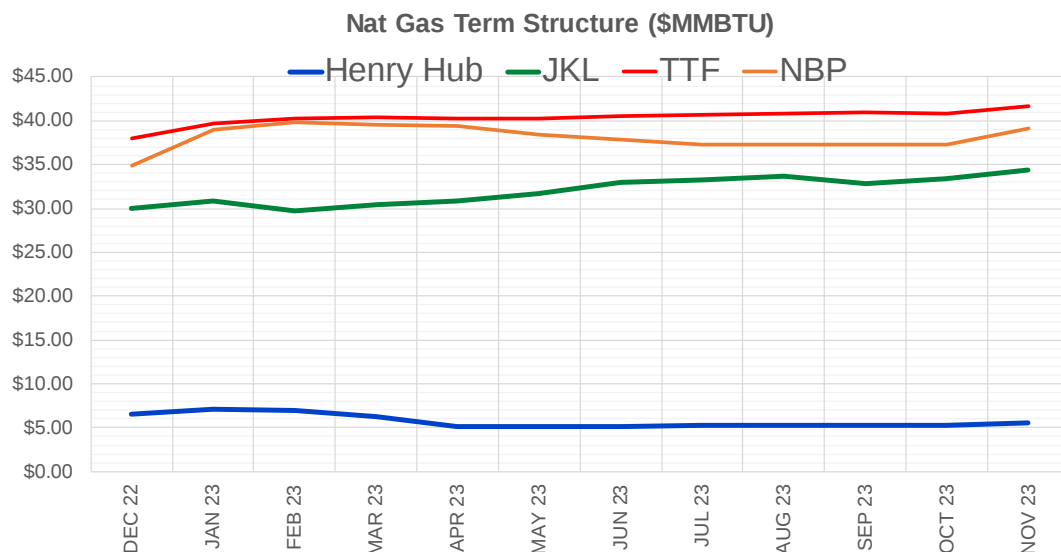


	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
Current Price	\$7.024	\$7.330	\$7.135	\$6.424	\$5.215	\$5.150	\$5.231	\$5.315	\$5.320	\$5.261	\$5.316	\$5.581
Last Week	\$6.303	\$6.716	\$6.483	\$5.703	\$4.814	\$4.786	\$4.875	\$4.968	\$4.985	\$4.931	\$4.979	\$5.287
vs. Last Week	\$0.721	\$0.614	\$0.652	\$0.721	\$0.401	\$0.364	\$0.356	\$0.347	\$0.335	\$0.330	\$0.337	\$0.294
4 Weeks Ago	\$5.684	\$5.953	\$5.794	\$5.276	\$4.601	\$4.556	\$4.630	\$4.708	\$4.727	\$4.688	\$4.756	\$5.116
vs. 4 Weeks Ago	\$1.340	\$1.377	\$1.341	\$1.148	\$0.614	\$0.594	\$0.601	\$0.607	\$0.593	\$0.573	\$0.560	\$0.465
Last Year	\$5.447	\$5.477	\$5.364	\$5.044	\$4.352	\$4.285	\$4.310	\$4.346	\$4.350	\$4.330	\$4.367	\$4.454
vs. Last Year	\$1.577	\$1.853	\$1.771	\$1.380	\$0.863	\$0.865	\$0.921	\$0.969	\$0.970	\$0.931	\$0.949	\$1.127

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	6.50	19.00	12.50
TETCO M3	\$/MMBtu	5.86	8.46	2.59
FGT Zone 3	\$/MMBtu	6.20	6.79	0.59
Zone 6 NY	\$/MMBtu	6.20	8.83	2.63
Chicago Citygate	\$/MMBtu	6.22	6.52	0.30
Michcon	\$/MMBtu	6.20	5.99	-0.20
Columbia TCO Pool	\$/MMBtu	5.74	5.64	-0.11
Ventura	\$/MMBtu	6.20	7.02	0.82
Rockies/Opal	\$/MMBtu	10.86	6.49	-4.37
El Paso Permian Basin	\$/MMBtu	4.80	4.80	0.00
Socal Citygate	\$/MMBtu	10.39	8.63	-1.76
Malin	\$/MMBtu	10.30	8.08	-2.22
Houston Ship Channel	\$/MMBtu	5.67	5.58	-0.09
Henry Hub Cash	\$/MMBtu	6.36	5.78	-0.58
AECO Cash	C\$/GJ	5.25	4.74	-0.51
Station2 Cash	C\$/GJ	1.24	9.19	7.95
Dawn Cash	C\$/GJ	6.78	6.18	-0.60

Source: CME, Bloomberg

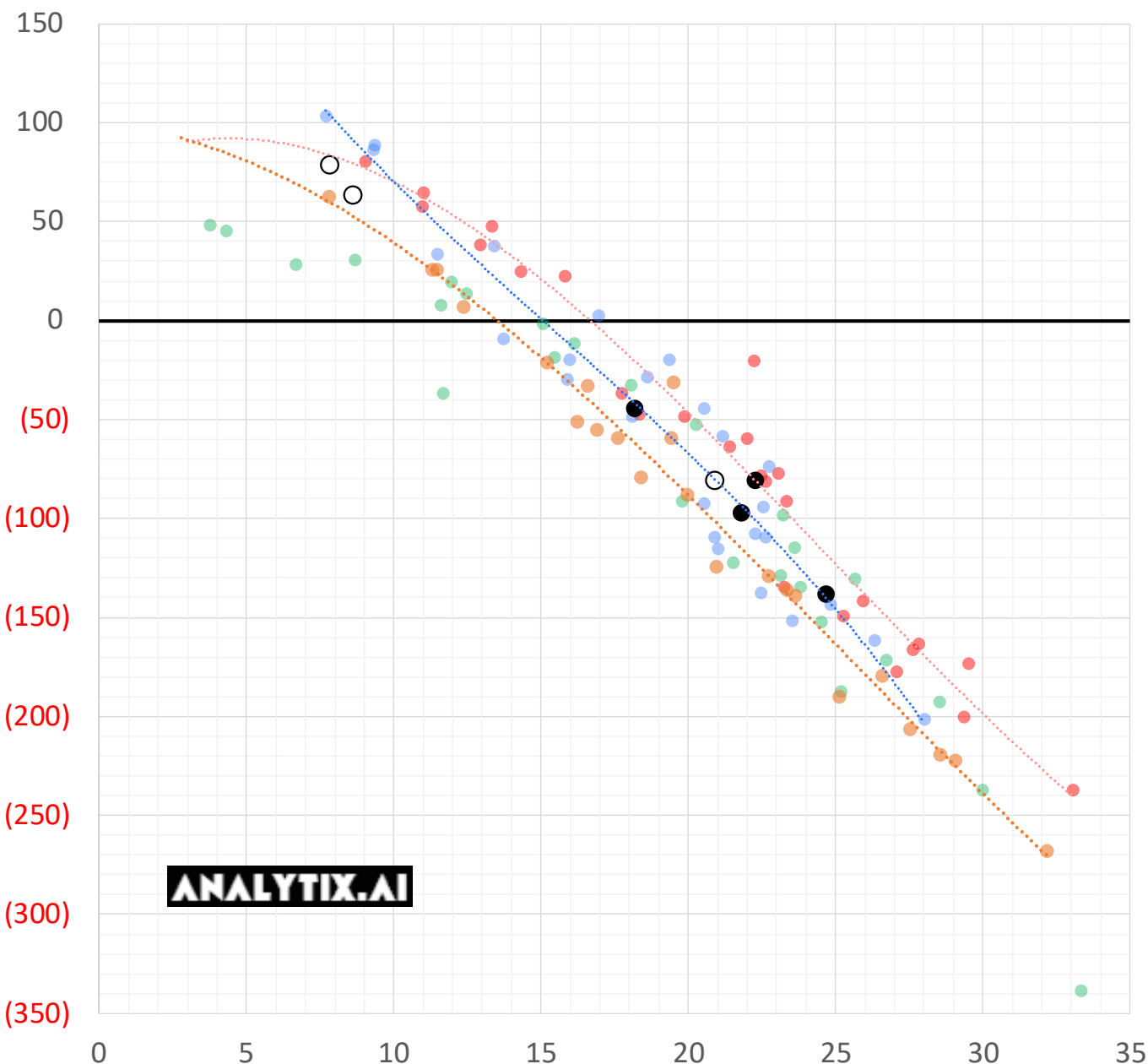
	Units	Current Price	vs. 4 Weeks			
			vs. Last Week	Ago	vs. Last Year	
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 0.000	
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.000	
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -1.453	
NatGas Apr22/Oct22	\$/MMBtu	1.532	▲ 0.000	▲ 0.000	▲ 1.517	
WTI Crude	\$/Bbl	76.28	▼ -3.800	▼ -11.620	▲ 8.130	
Brent Crude	\$/Bbl	83.63	▼ -3.990	▼ -12.140	▲ 10.910	
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000	
Heating Oil	cents/Gallon	323.91	▼ -27.900	▼ -131.070	▲ 114.460	
Propane, Mt. Bel	cents/Gallon	0.86	▼ -0.009	▲ 0.000	▼ -0.417	
Ethane, Mt. Bel	cents/Gallon	0.41	▲ 0.006	▲ 0.004	▲ 0.004	
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				



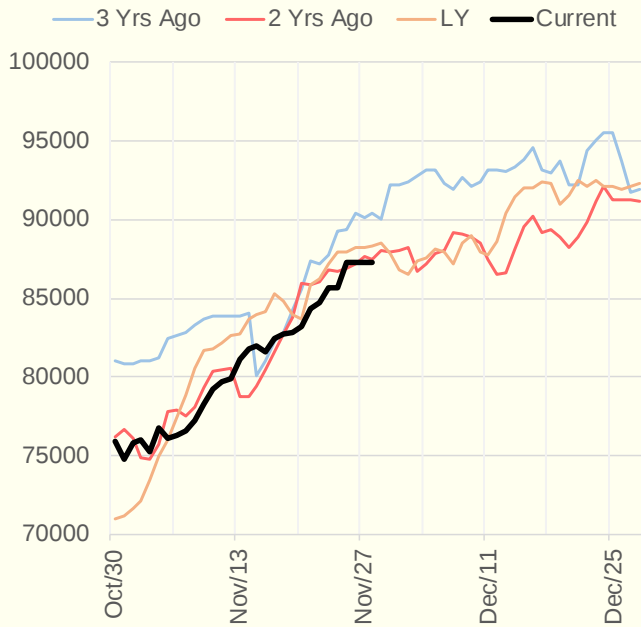
	DEC 22	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23	AUG 23	SEP 23	OCT 23	NOV 23
Henry Hub	\$6.573	\$7.064	\$6.895	\$6.199	\$5.089	\$5.060	\$5.121	\$5.211	\$5.239	\$5.199	\$5.215	\$5.526
JKL	\$29.960	\$30.870	\$29.775	\$30.375	\$30.880	\$31.710	\$33.000	\$33.320	\$33.735	\$32.835	\$33.470	\$34.410
JKL-HHub	\$23.387	\$23.806	\$22.880	\$24.176	\$25.791	\$26.650	\$27.879	\$28.109	\$28.496	\$27.636	\$28.255	\$28.884
TTF	\$38.013	\$39.634	\$40.315	\$40.380	\$40.271	\$40.218	\$40.490	\$40.705	\$40.791	\$40.927	\$40.830	\$41.629
TTF-HHub	\$31.440	\$32.570	\$33.420	\$34.181	\$35.182	\$35.158	\$35.369	\$35.494	\$35.552	\$35.728	\$35.615	\$36.103
NBP	\$34.913	\$38.916	\$39.847	\$39.604	\$39.456	\$38.471	\$37.810	\$37.340	\$37.305	\$37.257	\$37.234	\$39.136
NBP-HHub	\$28.340	\$31.852	\$32.952	\$33.405	\$34.367	\$33.411	\$32.689	\$32.129	\$32.066	\$32.058	\$32.019	\$33.610

Weather Storage Model - Next 4 Week Forecast

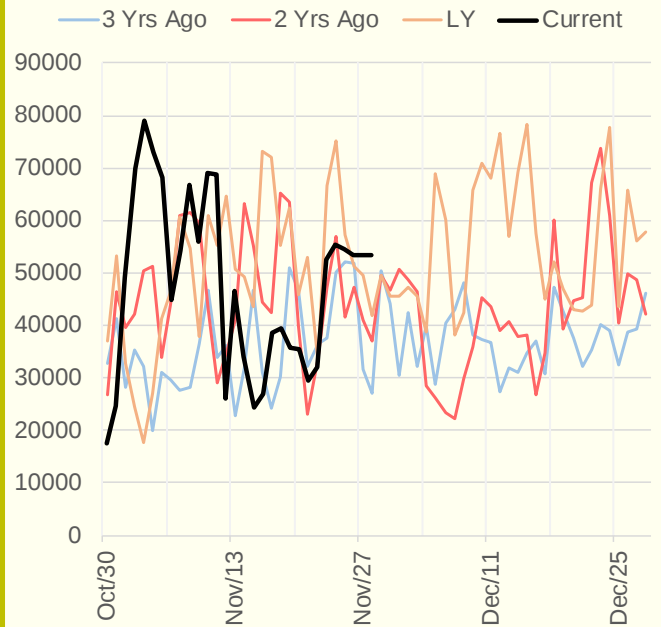
● Winter 18/19 ● Winter 19/20 ● Winter 20/21 ● Winter 21/22 ● Next 4 weeks



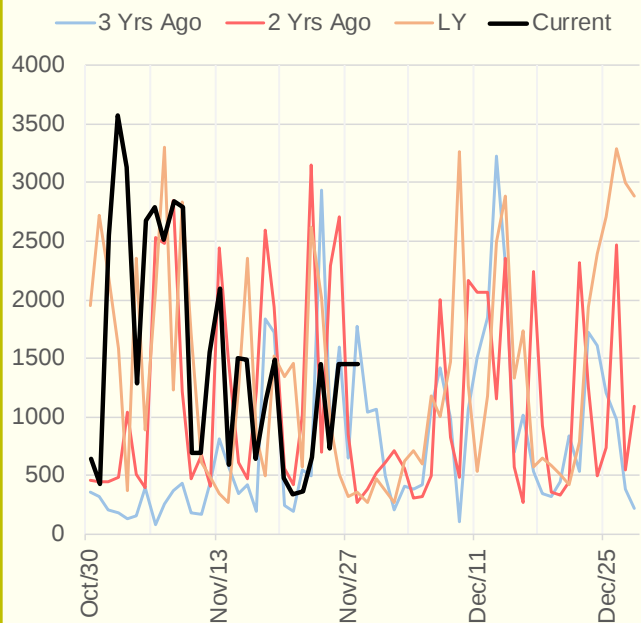
NRC Nuclear Daily Output



US Wind



CALI Wind



TEXAS Wind

