

	Current	Δ from YD	Δ from 7D Avg
Nat Gas Prompt	\$ 7.08 ▲	\$ 0.15 ▲	\$ 0.05

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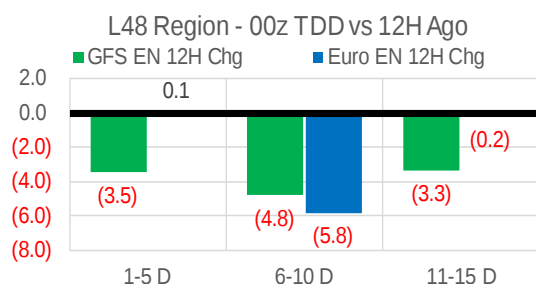
[Nat Gas Futures Open Interest](#)

[Price Summary](#)

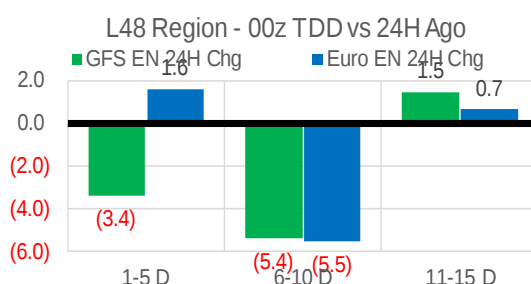
	Current	Δ from YD	Δ from 7D Avg
WTI Prompt	\$ 81.65 ▲	\$ 1.10 ▲	\$ 4.1

	Current	Δ from YD	Δ from 7D Avg
Brent Prompt	\$ 87.98 ▲	\$ 2.55 ▲	\$ 4.0

Vs. 12H Ago



Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	100.3 ▼	-0.39 ▼	-1.01

	Current	Δ from YD	Δ from 7D Avg
US Power Burns	29.8 ▼	-0.65 ▼	3.10 ▲

	Current	Δ from YD	Δ from 7D Avg
US ResComm	40.8 ▲	4.33 ▲	10.82

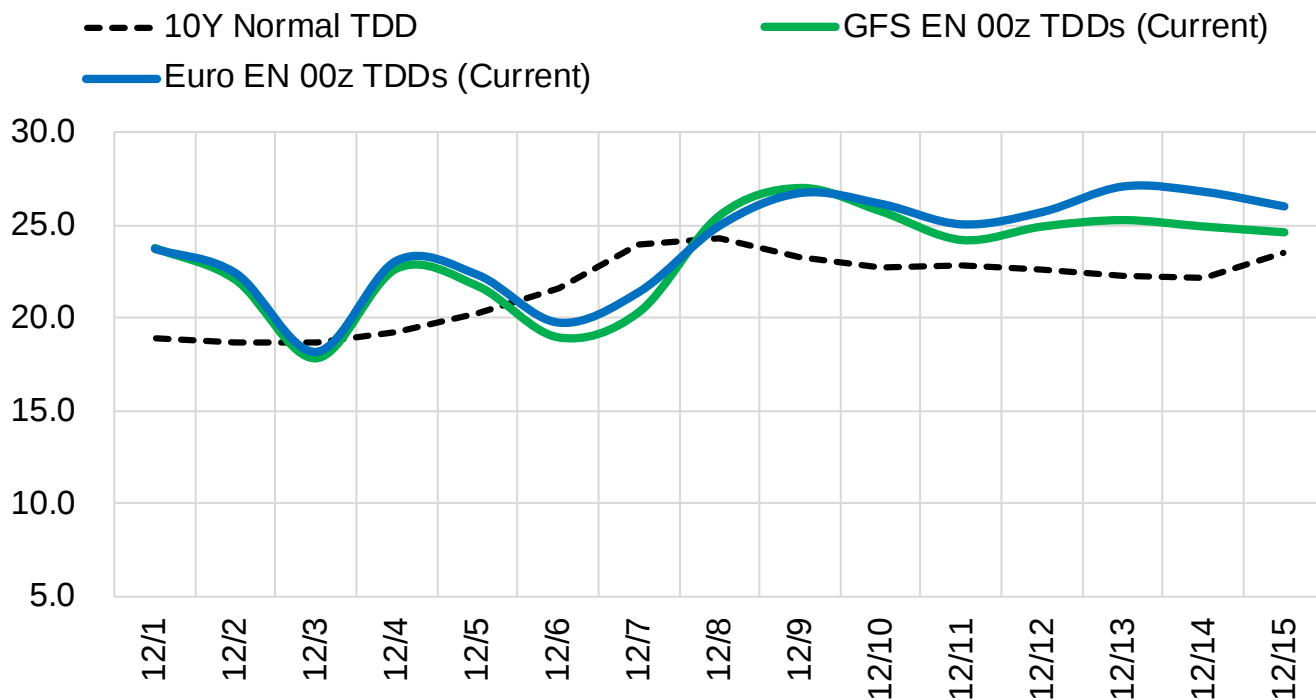
	Current	Δ from YD	Δ from 7D Avg
Canadian Imports	5.3 ▼	-0.24 ▼	0.15 ▲

	Current	Δ from YD	Δ from 7D Avg
Net LNG Exports	12.7 ▼	-0.17 ▼	1.02 ▲

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.3 ▼	-0.10 ▼	0.10 ▲

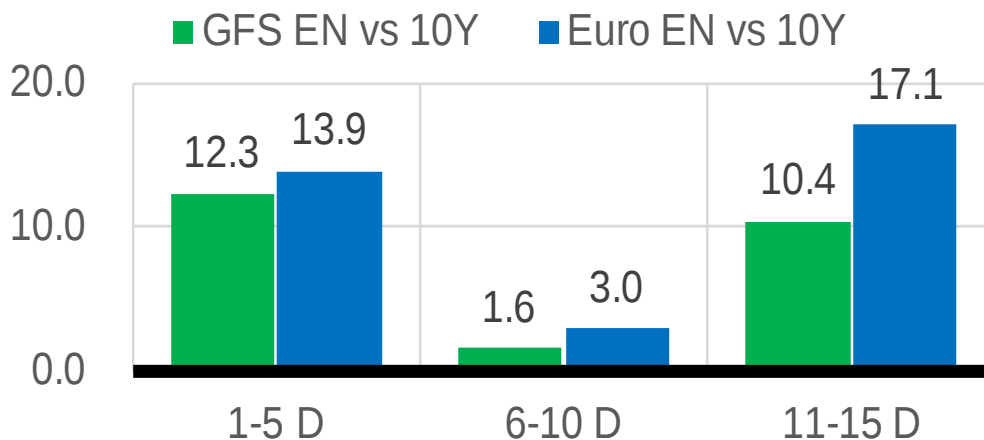
Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI , Bloomberg

Lower 48 Component Models

Daily Balances

	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov	1-Dec	DoD	vs. 7D
Lower 48 Dry Production	101.8	100.4	101.4	101.7	101.2	100.7	100.3	▼ -0.4	▼ -0.9
Canadian Imports	5.1	5.0	5.0	5.3	5.5	5.6	5.3	▼ -0.2	▲ 0.1
L48 Power	25.5	24.4	25.9	27.3	28.3	30.5	29.8	▼ -0.7	▲ 2.8
L48 Residential & Commercial	28.0	28.1	27.9	31.1	30.8	36.5	40.8	▲ 4.3	▲ 10.4
L48 Industrial	21.1	20.9	20.8	21.0	20.9	22.0	22.8	▲ 0.8	▲ 1.7
L48 Lease and Plant Fuel	5.7	5.6	5.7	5.7	5.6	5.6	5.5	▼ -0.1	▼ -0.1
L48 Pipeline Distribution	3.1	3.0	3.1	3.4	3.4	3.9	4.0	▲ 0.2	▲ 0.7
L48 Regional Gas Consumption	83.3	82.1	83.4	88.5	89.1	98.5	103.0	▲ 4.6	▲ 15.6
Net LNG Delivered	11.31	11.60	12.04	11.55	11.12	12.87	12.69	▼ -0.2	▲ 0.9
Total Mexican Exports	6.3	6.1	5.9	6.4	6.4	6.4	6.3	▼ -0.1	▲ 0.1
Implied Daily Storage Activity	6.0	5.6	5.1	0.5	0.1	-11.4	-16.4		
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	100.5	100.4	99.8	100.6	100.9	▲ 0.3	▲ 4.1
Canadian Imports	5.5	5.3	4.9	4.2	6.6	6.1	▼ -0.5	▲ 0.5
L48 Power	29.5	28.8	29.4	28.9	31.7	30.2	▼ -1.5	0.7
L48 Residential & Commercial	31.8	15.2	17.1	17.3	35.0	38.0	▲ 3.0	6.2
L48 Industrial	23.8	21.4	21.4	22.9	24.6	23.2	▼ -1.5	-0.6
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	2.7	2.8	2.7	3.8	3.9	▲ 0.1	0.4
L48 Regional Gas Consumption	94.0	73.8	76.4	77.4	100.8	100.9	▲ 0.1	▲ 6.9
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	14.3	10.7	8.9	-12.2	-11.9	0.3	-2.4
EIA Reported Daily Storage Activity	-8.4	15.3	11.3	9.1	-11.4			
Daily Model Error	-1.1	-1.0	-0.6	-0.2	-0.7			

Monthly Balances

	2Yr Ago Dec-20	LY Dec-21	Jul-22	Aug-22	Sep-22	Oct-22	MTD Nov-22	MoM	vs. LY
Lower 48 Dry Production	91.7	97.1	97.6	97.9	99.0	100.6	100.5	▼ -0.1	▲ 3.5
Canadian Imports	5.8	4.8	5.9	5.4	5.9	5.7	5.4	▼ -0.3	▲ 0.6
L48 Power	28.3	28.6	44.8	43.8	37.3	30.2	29.5	▼ -0.6	▲ 0.9
L48 Residential & Commercial	40.3	34.5	8.2	7.8	8.7	15.9	28.7	▲ 12.8	▼ -5.8
L48 Industrial	23.1	22.5	19.3	19.5	18.7	20.7	22.9	▲ 2.2	▲ 0.4
L48 Lease and Plant Fuel	5.0	5.4	5.5	5.5	5.5	5.6	5.6	▼ 0.0	▲ 0.2
L48 Pipeline Distribution	3.5	3.6	3.1	3.0	2.8	2.8	3.4	▲ 0.5	▼ -0.2
L48 Regional Gas Consumption	100.2	94.6	80.9	79.6	73.1	75.2	90.1	▲ 14.9	▼ -4.5
Net LNG Exports	11.0	12.1	10.9	11.0	11.5	11.3	11.8	▲ 0.5	▼ -0.4
Total Mexican Exports	5.8	6.2	7.0	6.9	6.7	6.6	6.3	▼ -0.3	▲ 0.1
Implied Daily Storage Activity	-19.5	-11.1	4.8	5.8	13.6	13.2	-2.2		
EIA Reported Daily Storage Activity									
Daily Model Error					-0.5				

Source: Bloomberg, analytix.ai

Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	23-Nov	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	DoD	vs. 7D
NRC Nuclear Daily Output	85.7	86.1	87.3	87.8	87.6	88.5	88.6	0.2	1.5
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	19.2	18.8	17.6	17.1	17.3	16.4	16.3	-0.2	-1.5
NRC % Nuclear Cap Utilization	87.1	87.6	88.7	89.3	89.1	89.9	90.1	0.2	1.5

Wind Generation Daily Average - MWh (EIA)

	23-Nov	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	DoD	vs. 7D
CALI Wind	653	1452	726	1455	898	3955	1464	-2491	-59
TEXAS Wind	10989	12560	16290	10743	7519	16682	19133	2452	6669
US Wind	52648	55344	54502	53534	49575	63839	73812	9973	18905

Generation Daily Average - MWh (EIA)

	23-Nov	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	DoD	vs. 7D
US Wind	52648	55344	54502	53534	49575	63839	73812	9973	18905
US Solar	10052	8947	7934	9425	10047	9709	10448	739	1095
US Petroleum	927	838	818	324	458	953	436	-518	-284
US Other	9343	7983	7575	7896	7795	7821	8019	198	-50
US Coal	89341	81290	79076	80034	80942	82457	80378	-2079	-1812
US Nuke	90721	91082	92170	92727	92817	93338	93539	201	1397
US Hydro	25628	23506	22391	23120	23313	25674	26697	1023	2758
US Gas	157255	127100	126390	128020	132871	145867	149446	3579	13195

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	3.0	-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	-3.0	
NRC % Nuclear Cap Utilization	87.6	75.4	77.1	78.5	82.6	85.6	3.1	

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	68076	46278	51430	5152	-1.0
							11%	
							-0.2	

Generation Weekly Average - MWh (EIA)

	26-Nov	28-Oct	4-Nov	11-Nov	18-Nov	25-Nov	WoW	WoW Bcf/d Impact
					LY	Current		
US Wind	56264	64748	44699	68076	46278	51430	5152	-1.0
US Solar	9087	13756	11428	10765	11638	10618	-1020	0.2
US Petroleum	960	933	990	1023	1067	701	-366	0.1
US Other	8446	9085	10014	10174	9729	9544	-185	0.0
US Coal	82147	69841	75083	64651	86978	95266	8288	-1.6
US Nuke	91272	77718	79723	81132	85727	89429	3703	-0.7
US Hydro	27837	19097	21591	22941	26285	26054	-230	0.0
US Gas	150609	148302	157761	152695	174195	168987	-5208	-1.0

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	82.2	83.2	90.5	86.2	76.1	75.8	82.2	-0.2	-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	22.6	21.7	14.3	18.7	28.8	29.0	22.7	0.2	1.0
NRC % Nuclear Cap Utilization	83.6	84.6	92.1	87.7	77.4	77.1	83.6	-0.2	-1.0

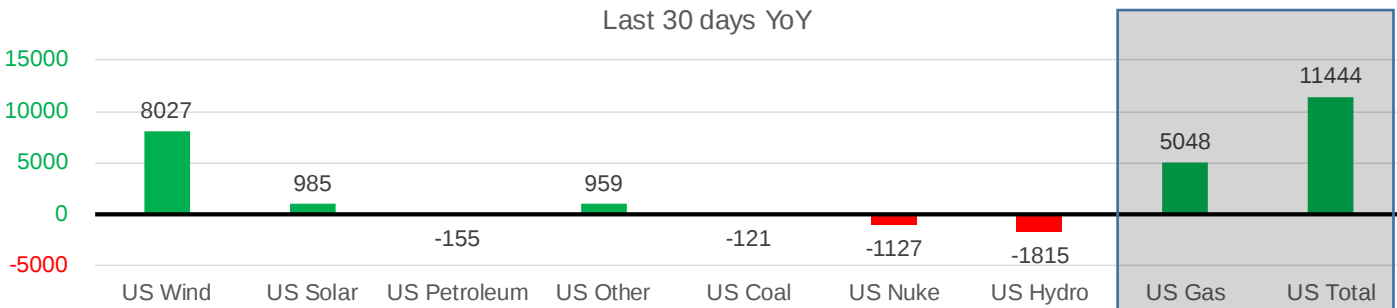
Wind Generation Monthly Average - MWh (EIA)

	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	1243	1190	2028	1608	1239	2555	1606	1317	417
TEXAS Wind	10765	11852	8440	7993	9916	11096	13059	1180	1207
US Wind	46665	50389	33222	38270	43698	49219	58416	5522	8027

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	46665	50389	33222	38270	43698	49219	58416	▲ 9196.8	▲ 8027
US Solar	7201	9697	16962	16163	14198	11365	10682	▼ -683.1	▲ 985
US Petroleum	901	1001	1251	864	899	1014	846	▼ -168	▼ -155
US Other	8759	8430	10597	10512	10517	10551	9389	▼ -1162	▲ 959
US Coal	84843	80798	117203	92002	75808	75586	80677	▲ 5091	▼ -121
US Nuke	86441	87968	92976	89062	78132	79717	86841	▲ 7123	▼ -1127
US Hydro	30190	26763	30192	25203	19926	24078	24949	▲ 871	▼ -1815
US Gas	138096	153583	233739	200120	162343	159660	158631	▲ 20270	▲ 5048
US Total	401938	418874	535696	470764	405842	410948	430317	▲ 31342	▲ 11444

Last 30 days YoY



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai

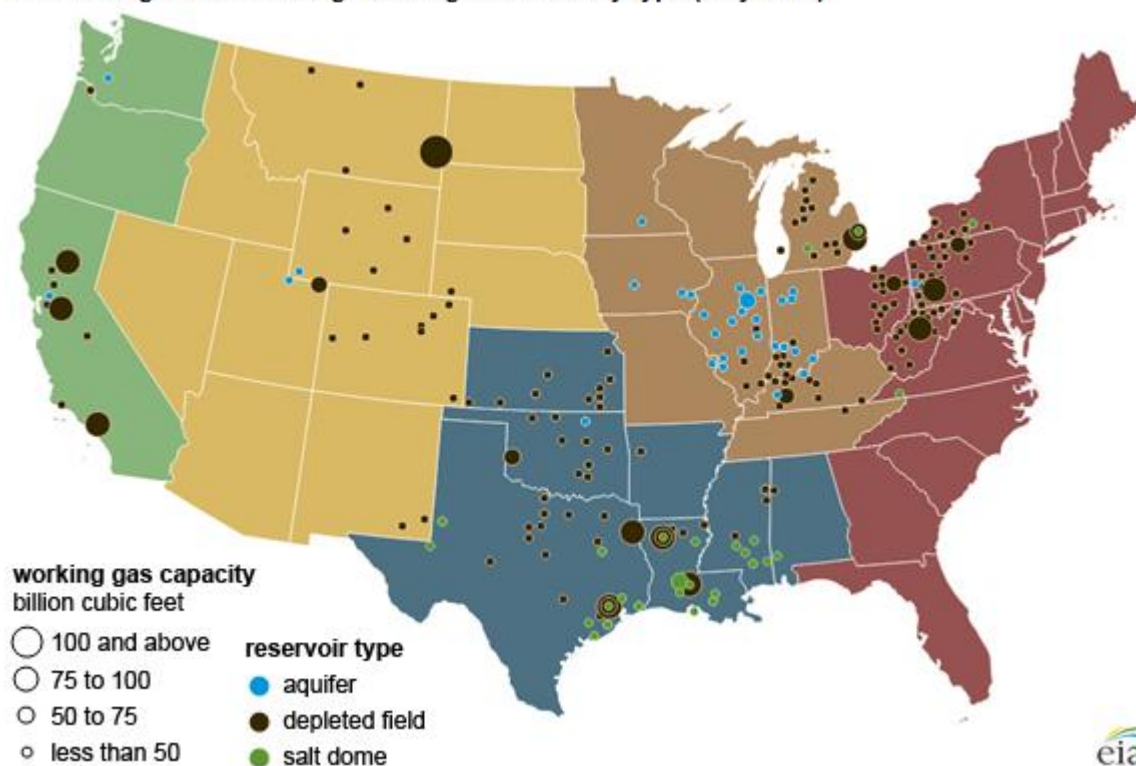
Regional S/D Models Storage Projection

Week Ending 25-Nov

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	-11.1	-0.3	-11.4	-80
East	-5.6	2.2	-3.4	-24
Midwest	-4.4	-0.2	-4.6	-32
Mountain	3.3	-3.9	-0.5	-4
South Central	-3.8	1.7	-2.2	-15
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)

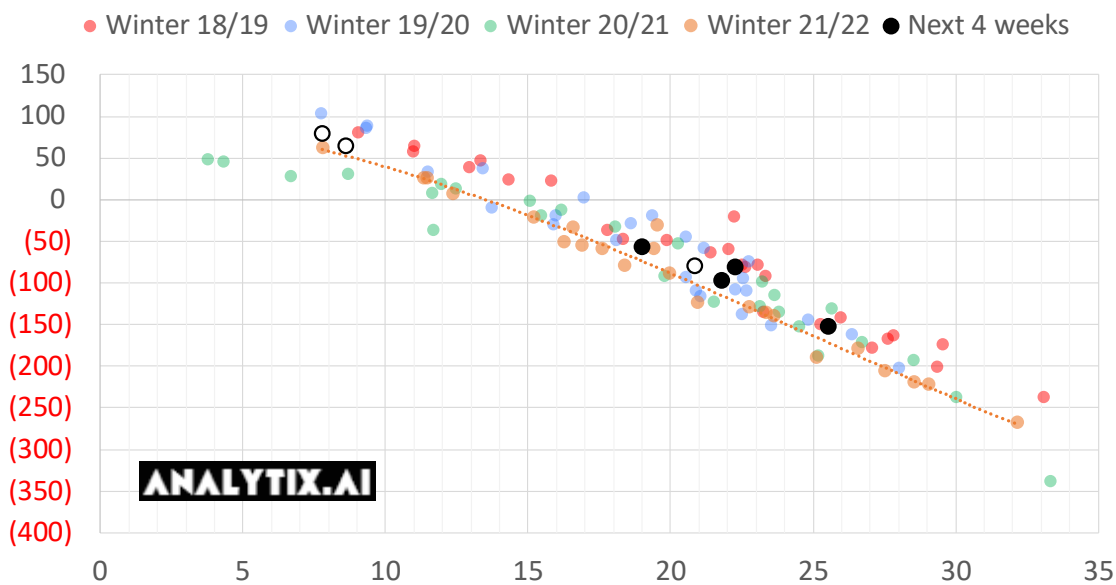


Weather Model Storage Projection

Next report
and beyond

Week Ending	GWDDs	Week Storage Projection
25-Nov	22.3	-80
02-Dec	19.0	-55
09-Dec	21.8	-96
16-Dec	25.5	-151

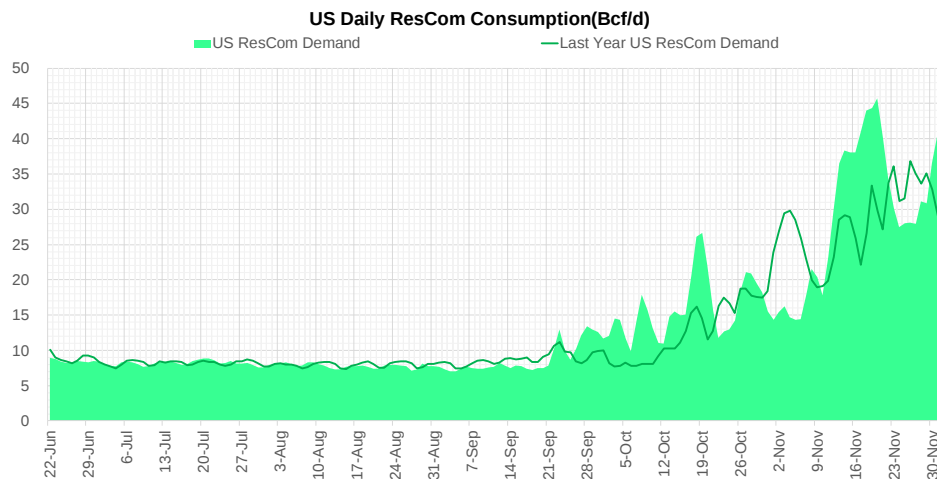
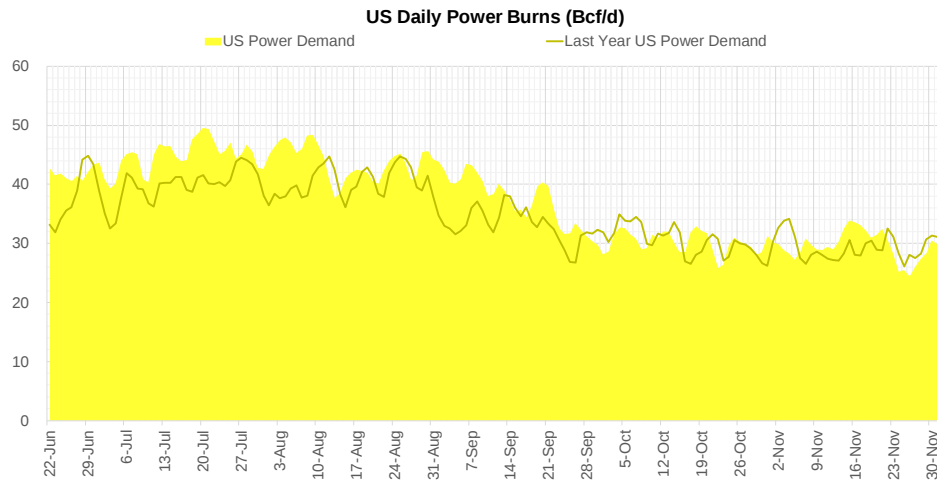
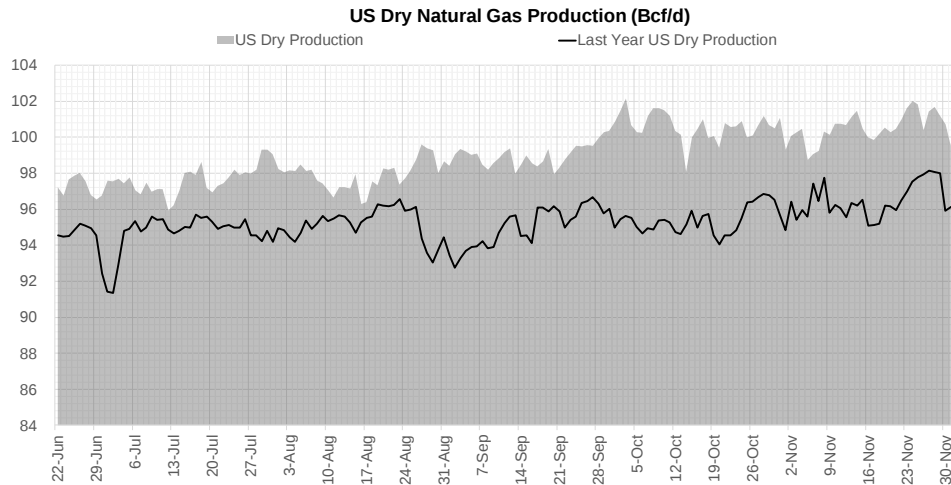
Weather Storage Model - Next 4 Week Forecast



[Go to larger image](#)



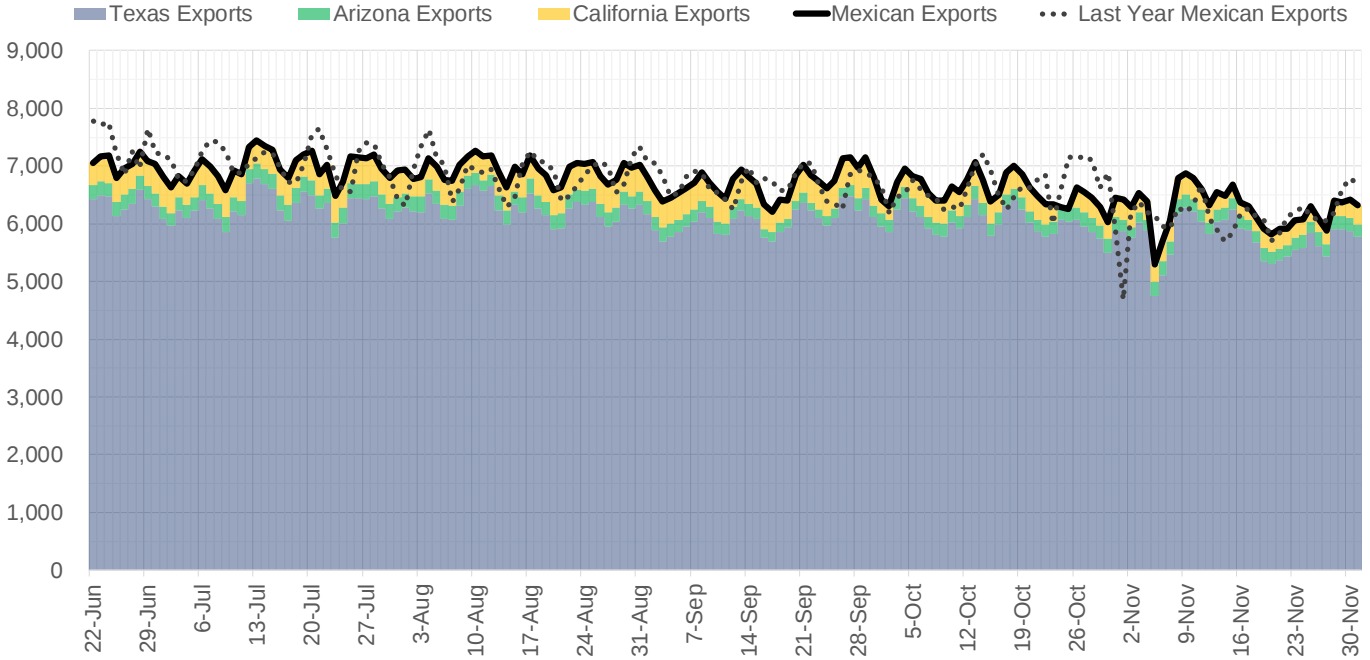
Supply – Demand Trends



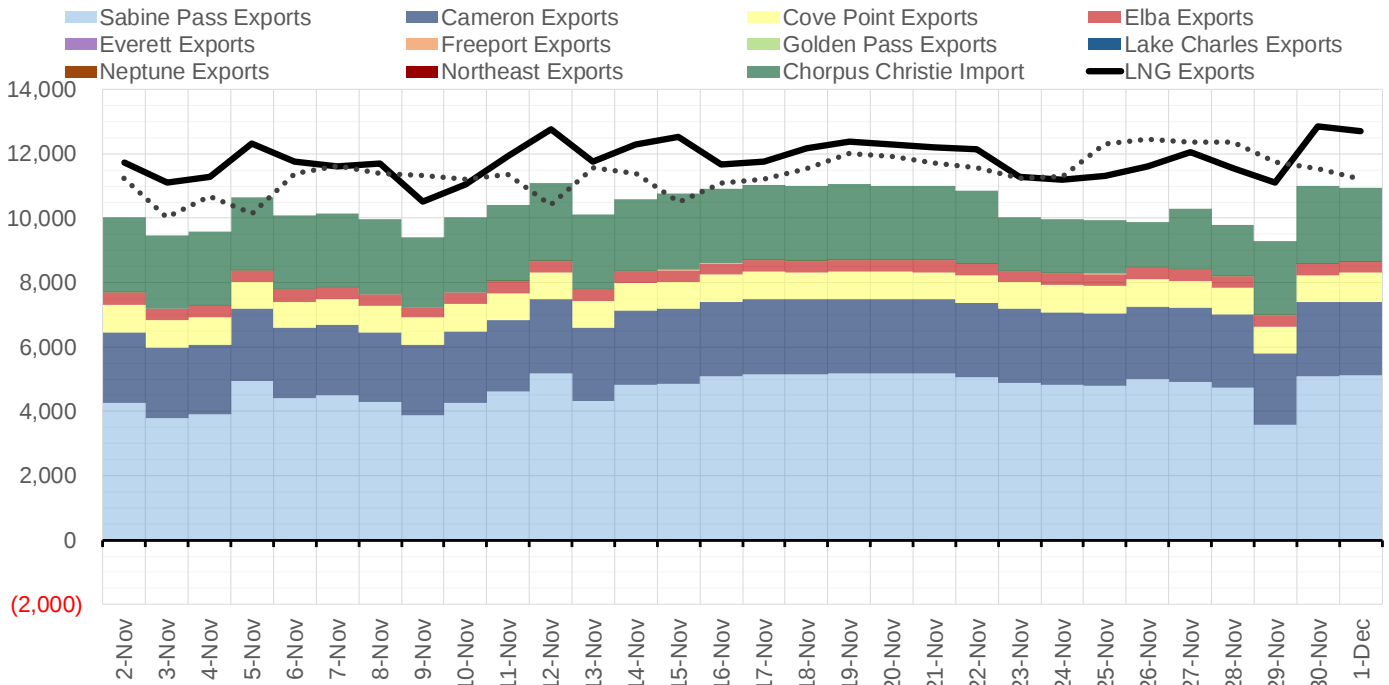
Source: Bloomberg

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
1	2023	C	10.00	5485	10	2023	P	3.00	33440
3	2023	P	4.00	4882	3	2023	P	4.00	32038
1	2023	P	4.00	4622	3	2023	C	10.00	31396
3	2023	P	4.80	4251	5	2023	P	2.00	31139
3	2023	P	4.30	3158	1	2023	C	10.00	28934
1	2023	P	5.00	3136	4	2023	P	3.00	27918
1	2023	C	8.00	3051	2	2023	C	12.00	25975
11	2023	C	9.00	3000	5	2023	P	3.00	24478
11	2023	P	4.00	3000	1	2023	P	5.00	24432
3	2023	P	5.00	2855	10	2023	P	2.50	24255
4	2023	P	3.50	2650	7	2023	P	3.00	24252
1	2023	P	4.50	2631	3	2023	P	3.00	23978
1	2023	P	6.00	2617	10	2023	P	2.00	23889
1	2023	P	7.00	2603	6	2023	P	3.00	23680
6	2023	P	3.50	2505	4	2023	P	2.00	23567
5	2023	P	3.50	2500	5	2023	C	6.00	23429
2	2023	C	12.00	2265	4	2023	P	3.50	23405
7	2023	P	3.50	2100	3	2023	P	3.50	22520
8	2023	P	3.50	2100	8	2023	P	3.00	22131
9	2023	P	3.50	2100	9	2023	P	3.00	22080
10	2023	P	3.50	2100	1	2023	P	4.00	21731
1	2023	P	5.50	2081	10	2023	P	4.00	20719
2	2023	P	4.00	2015	2	2023	C	9.00	20359
1	2023	C	7.50	1844	3	2023	C	20.00	20213
1	2023	C	9.00	1787	2	2023	C	10.00	20112
3	2023	C	10.00	1755	2	2023	C	15.00	20104
1	2023	C	8.50	1683	6	2023	P	3.50	19985
1	2023	P	6.50	1669	8	2023	P	2.00	19950
1	2024	P	4.00	1465	5	2023	P	2.50	19831
2	2024	P	4.00	1465	6	2023	P	2.00	19814
3	2024	P	4.00	1465	4	2023	P	4.00	19753
1	2023	C	12.00	1431	7	2023	P	2.00	19750
2	2023	C	11.00	1413	9	2023	P	2.00	19738
2	2023	C	8.00	1377	5	2023	P	3.50	19614
2	2023	C	10.00	1371	4	2023	P	2.75	18780
3	2023	C	12.00	1359	8	2023	P	3.50	18729
1	2024	C	8.00	1175	10	2023	P	3.50	18723
2	2024	C	8.00	1175	7	2023	P	3.50	18529
3	2024	C	8.00	1175	5	2023	P	4.00	18524
2	2023	P	5.00	1172	9	2023	P	3.50	18519
2	2023	C	9.00	1100	1	2023	P	3.00	18375
3	2023	P	4.20	1100	9	2023	P	4.00	18329
1	2023	P	5.25	1051	6	2023	P	2.50	18231
3	2023	P	3.50	1027	6	2023	P	4.00	18226
4	2023	P	4.00	1016	2	2023	C	8.00	18160
3	2023	P	3.00	996	3	2023	P	5.00	18037
1	2023	C	7.00	951	9	2023	P	2.50	17895
4	2023	P	3.00	950	4	2023	P	2.50	17783
6	2023	P	3.00	905	1	2023	P	4.50	17585
					1	2023	C	15	17207

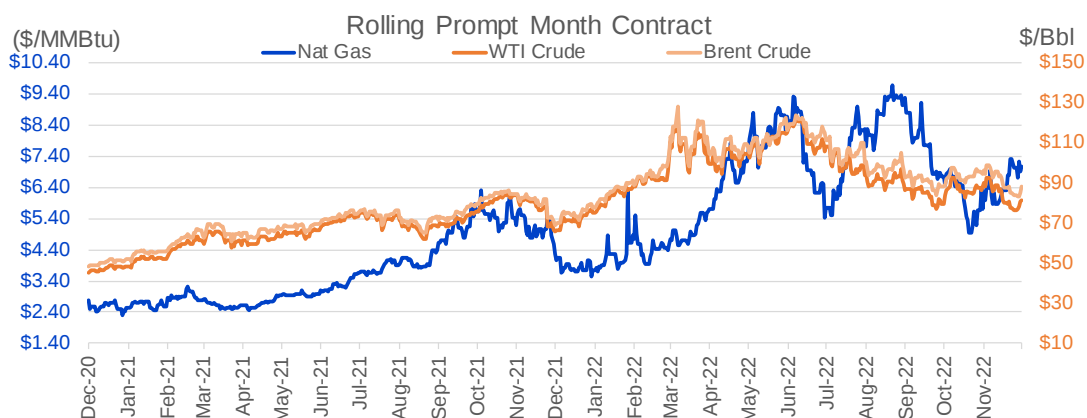
Source: CME, ICE

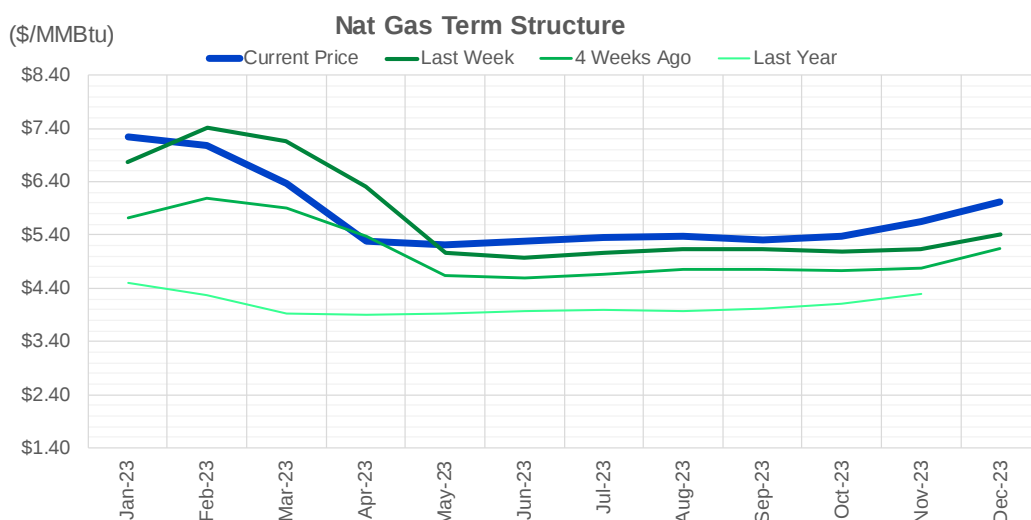
Nat Gas Futures Open Interest

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	159032	157837	1195	JAN 23	80665	79725	940
FEB 23	67781	66815	966	FEB 23	69777	69207	570
MAR 23	118159	118035	124	MAR 23	71098	69978	1119
APR 23	106638	106125	513	APR 23	60816	60180	637
MAY 23	93809	93651	158	MAY 23	60562	60806	-244
JUN 23	28794	28355	439	JUN 23	51808	51690	119
JUL 23	31387	31065	322	JUL 23	51820	51887	-67
AUG 23	29360	28702	658	AUG 23	50487	50449	39
SEP 23	35041	34922	119	SEP 23	49051	49105	-55
OCT 23	47519	47969	-450	OCT 23	65176	64419	757
NOV 23	19802	19733	69	NOV 23	48839	48817	23
DEC 23	30463	30137	326	DEC 23	45926	45555	371
JAN 24	38215	38137	78	JAN 24	48392	48464	-72
FEB 24	13532	13499	33	FEB 24	31732	31673	60
MAR 24	25305	24692	613	MAR 24	39169	38998	171
APR 24	24131	23929	202	APR 24	34394	33988	406
MAY 24	10947	10740	207	MAY 24	32191	32010	181
JUN 24	3596	3604	-8	JUN 24	28512	28386	126
JUL 24	5153	5150	3	JUL 24	28057	27911	146
AUG 24	4471	4489	-18	AUG 24	27195	27033	162
SEP 24	3817	3882	-65	SEP 24	26868	26712	156
OCT 24	10270	10087	183	OCT 24	31109	30917	192
NOV 24	4983	4980	3	NOV 24	27658	27639	19
DEC 24	8751	8726	25	DEC 24	31662	31620	42
JAN 25	18755	18946	-191	JAN 25	25754	25770	-16
FEB 25	1894	1894	0	FEB 25	15914	15908	7
MAR 25	6226	6225	1	MAR 25	17549	17631	-83
APR 25	6832	6831	1	APR 25	17187	17166	22
MAY 25	2815	2815	0	MAY 25	16165	16180	-15
JUN 25	2676	2676	0	JUN 25	15066	15027	38

Source: CME, ICE



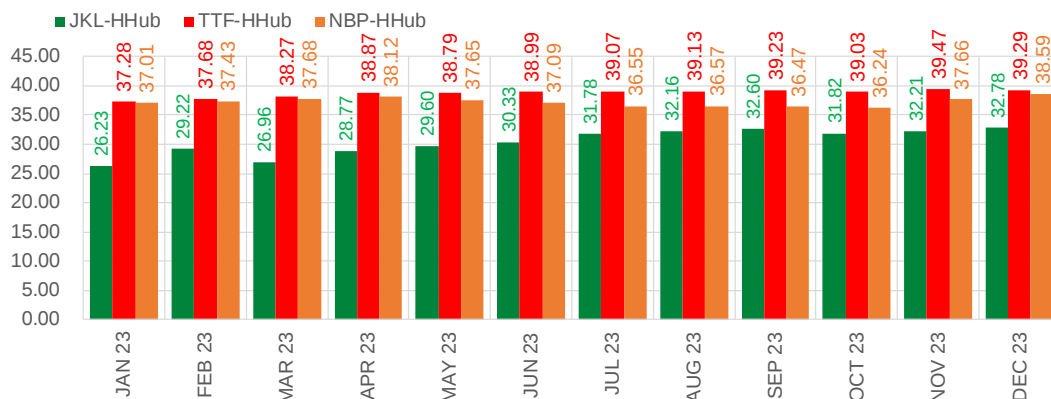
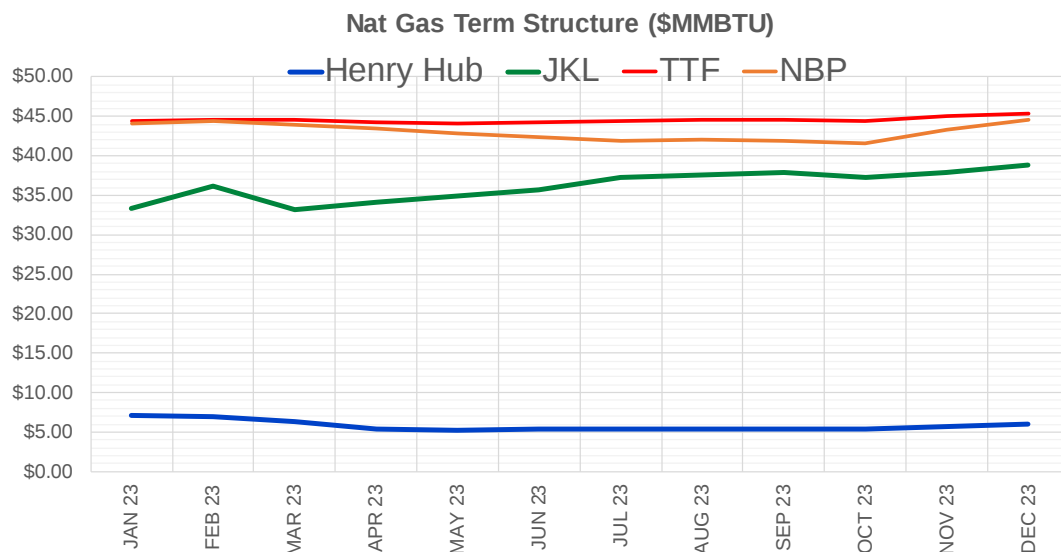


	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Current Price	\$7.235	\$7.084	\$6.356	\$5.289	\$5.214	\$5.286	\$5.362	\$5.369	\$5.316	\$5.380	\$5.646	\$6.019
Last Week	\$6.779	\$7.406	\$7.170	\$6.314	\$5.064	\$4.984	\$5.057	\$5.137	\$5.144	\$5.084	\$5.133	\$5.404
vs. Last Week	\$0.456	-\$0.322	-\$0.814	-\$1.025	\$0.150	\$0.302	\$0.305	\$0.232	\$0.172	\$0.296	\$0.513	\$0.615
4 Weeks Ago	\$5.714	\$6.080	\$5.899	\$5.375	\$4.630	\$4.585	\$4.659	\$4.742	\$4.763	\$4.725	\$4.788	\$5.154
vs. 4 Weeks Ago	\$1.521	\$1.004	\$0.457	-\$0.086	\$0.584	\$0.701	\$0.703	\$0.627	\$0.553	\$0.655	\$0.858	\$0.865
Last Year	\$4.567	\$4.506	\$4.280	\$3.934	\$3.900	\$3.932	\$3.977	\$3.987	\$3.973	\$4.012	\$4.108	\$4.293
vs. Last Year	\$2.668	\$2.578	\$2.076	\$1.355	\$1.314	\$1.354	\$1.385	\$1.382	\$1.343	\$1.368	\$1.538	\$1.726

	Units	Cash Settled	Prompt Settle	Cash to Prompt
AGT Citygate	\$/MMBtu	12.00	24.75	12.75
TETCO M3	\$/MMBtu	6.63	10.34	3.71
FGT Zone 3	\$/MMBtu	6.76	7.83	1.07
Zone 6 NY	\$/MMBtu	6.76	10.78	4.02
Chicago Citygate	\$/MMBtu	5.98	7.57	1.59
Michcon	\$/MMBtu	6.09	6.92	0.83
Columbia TCO Pool	\$/MMBtu	5.75	6.53	0.78
Ventura	\$/MMBtu	5.99	8.16	2.17
Rockies/Opal	\$/MMBtu	12.14	7.48	-4.66
El Paso Permian Basin	\$/MMBtu	5.07	5.72	0.65
Socal Citygate	\$/MMBtu	18.65	11.01	-7.64
Malin	\$/MMBtu	14.64	10.67	-3.97
Houston Ship Channel	\$/MMBtu	5.44	6.75	1.31
Henry Hub Cash	\$/MMBtu	5.99	6.75	0.76
AECO Cash	C\$/GJ	5.49	5.22	-0.27
Station2 Cash	C\$/GJ	5.19	13.46	8.27
Dawn Cash	C\$/GJ	6.18	7.20	1.02

Source: CME, Bloomberg

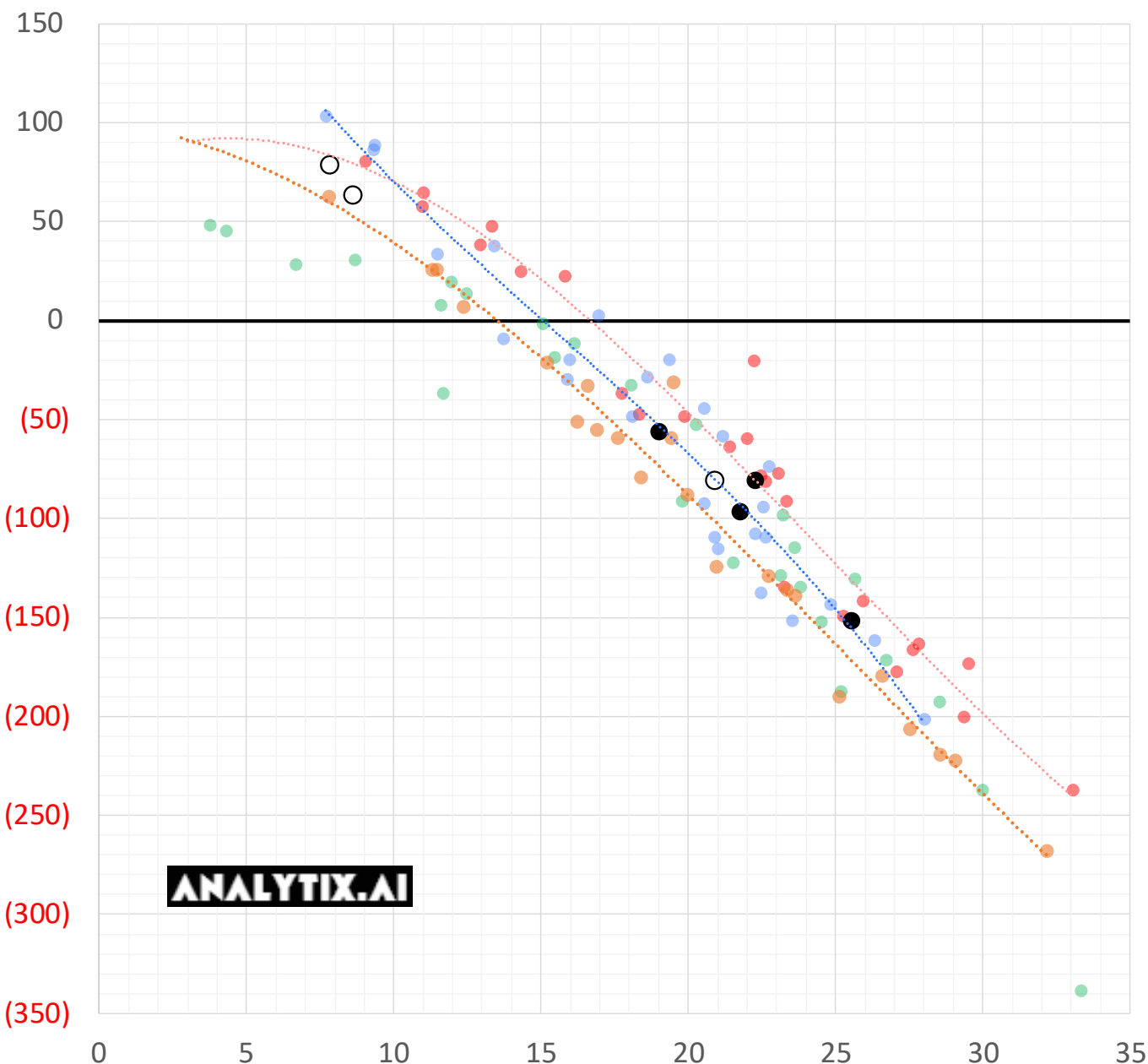
	Units	Current Price	vs. 4 Weeks			
			vs. Last Week	Ago	vs. Last Year	
NatGas Jul21/Oct21	\$/MMBtu	2.224	▲ 0.000	▲ 0.000	▲ 0.000	
NatGas Oct21/Nov21	\$/MMBtu	0.361	▲ 0.000	▲ 0.000	▲ 0.000	
NatGas Oct21/Jan22	\$/MMBtu	-1.817	▲ 0.000	▲ 0.000	▼ -0.234	
NatGas Apr22/Oct22	\$/MMBtu	1.532	▲ 0.000	▲ 0.000	▲ 1.443	
WTI Crude	\$/Bbl	80.55	▲ 2.610	▼ -9.450	▲ 14.980	
Brent Crude	\$/Bbl	85.43	▲ 0.020	▼ -10.730	▲ 16.560	
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000	
Heating Oil	cents/Gallon	336.29	▲ 0.360	▼ -31.450	▲ 128.580	
Propane, Mt. Bel	cents/Gallon	0.85	▼ -0.005	▼ -0.031	▼ -0.147	
Ethane, Mt. Bel	cents/Gallon	0.40	▼ -0.004	▲ 0.010	▲ 0.051	
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				



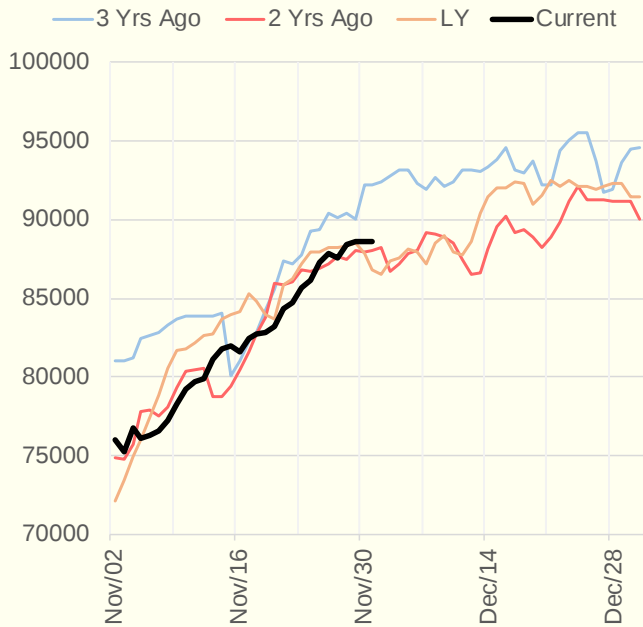
	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23	AUG 23	SEP 23	OCT 23	NOV 23	DEC 23
Henry Hub	\$7.083	\$6.951	\$6.294	\$5.342	\$5.269	\$5.341	\$5.415	\$5.421	\$5.363	\$5.424	\$5.652	\$6.018
JKL	\$33.310	\$36.170	\$33.255	\$34.110	\$34.870	\$35.670	\$37.190	\$37.580	\$37.965	\$37.240	\$37.865	\$38.795
JKL-HHub	\$26.227	\$29.219	\$26.961	\$28.768	\$29.601	\$30.329	\$31.775	\$32.159	\$32.602	\$31.816	\$32.213	\$32.777
TTF	\$44.367	\$44.627	\$44.559	\$44.207	\$44.056	\$44.335	\$44.488	\$44.548	\$44.591	\$44.456	\$45.120	\$45.305
TTF-HHub	\$37.284	\$37.676	\$38.265	\$38.865	\$38.787	\$38.994	\$39.073	\$39.127	\$39.228	\$39.032	\$39.468	\$39.287
NBP	\$44.097	\$44.376	\$43.978	\$43.465	\$42.919	\$42.435	\$41.969	\$41.989	\$41.829	\$41.666	\$43.316	\$44.604
NBP-HHub	\$37.014	\$37.425	\$37.684	\$38.123	\$37.650	\$37.094	\$36.554	\$36.568	\$36.466	\$36.242	\$37.664	\$38.586

Weather Storage Model - Next 4 Week Forecast

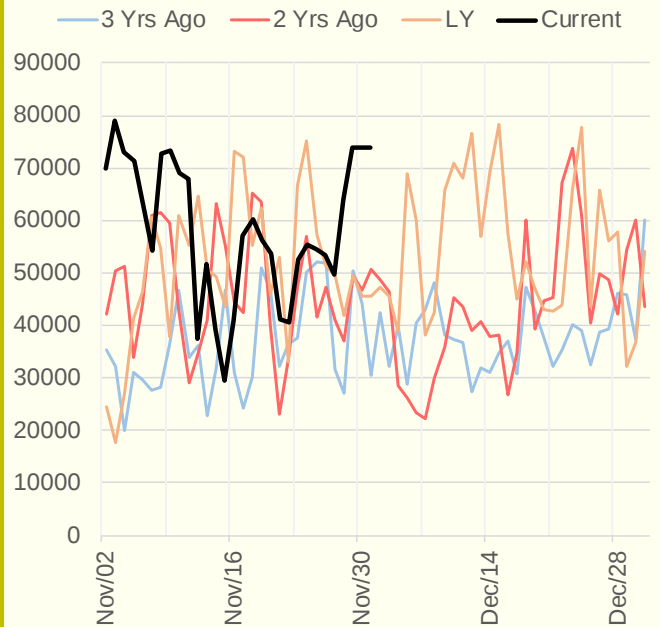
● Winter 18/19 ● Winter 19/20 ● Winter 20/21 ● Winter 21/22 ● Next 4 weeks



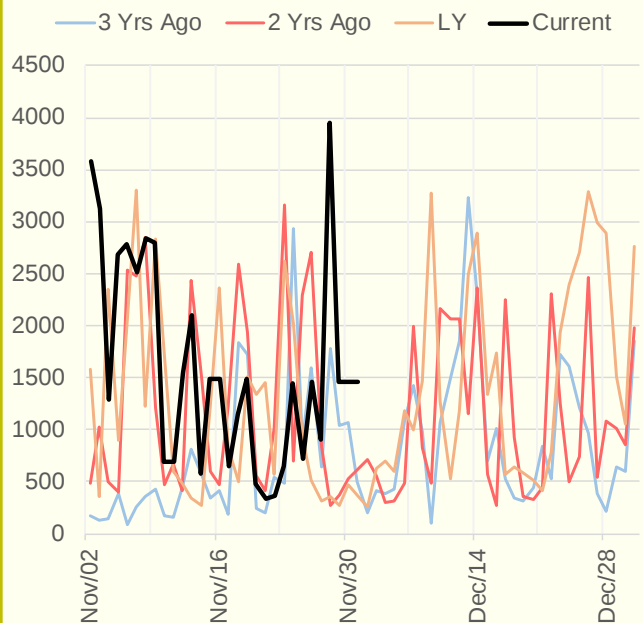
NRC Nuclear Daily Output



US Wind



CALI Wind



TEXAS Wind

