

Market Report

5 December 2022



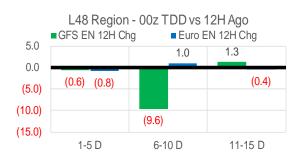
	Cı	urrent	Δ fro	m YD	Δ fron Αν	n 7D ⁄g
WTI Prompt	\$	82.23	\$	2.25	\$	2.6

	С	urrent	Δ from	n YD	Δ from 7D Avg		
Brent Prompt	\$	87.96	\$ \$ 2	2.39	\$	2.9	

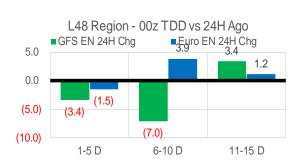
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Vs. 12H Ago



Vs. 24H Ago



	Current	Δ from YD	Δ from 7D Avg
US Dry Production	101.1	▲ 0.32	▲ 0.04

	Current	Δ from YD	Δ from 7D Avg		Current	Δ from YD	Δ from 7D Avg	
US Dry Production	101.1	a 0.32	a 0.04	US Power Burns	29.7	a 0.24	a 0.32	

	Current	Δ from YD	Δ from 7D Avg
US ResComm	34.5	▼ -4.34	▼ -0.89

	Current	Δ from YD	Δ from 7D Avg		
Canadian Imports	5.7	a 0.06	0.20		

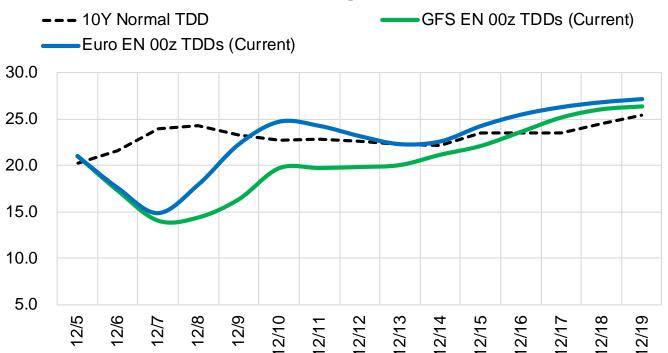
	Current	Δ from YD	Δ from 7D Avg		
Net LNG Exports	12.2	a 0.24	a 0.23		

	Current	Δ from YD	Δ from 7D Avg
Mexican Exports	6.2	▼ -0.02	▼ -0.16



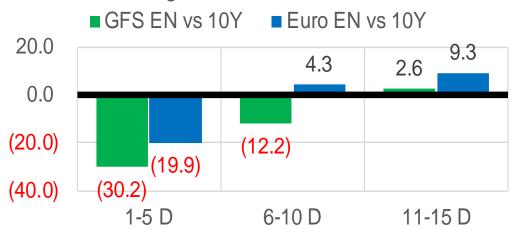
Short-term Weather Model Outlooks (00z)





Vs. 10Y Normal

L48 Region - 00z TDD vs 10Y Normal



Source: WSI, Bloomberg



Market Report

Lower 48 Component Models

Daily Balances

	29-Nov	30-Nov	1-Dec	2-Dec	3-Dec	4-Dec	5-Dec	DoD	vs. 7D
Lower 48 Dry Production	101.1	100.9	101.1	100.8	101.1	100.8	101.1	0.3	△ 0.1
Canadian Imports	5.5	5.6	5.5	5.4	5.5	5.6	5.7	▲ 0.1	▲ 0.2
L48 Power	28.4	30.6	30.7	29.0	29.6	29.4	29.7	0.2	0.0
L48 Residential & Commercial	31.1	36.9	42.4	33.8	33.6	38.8	34.5	▼ -4.3	▼ -1.6
L48 Industrial	21.5	22.1	22.7	21.5	21.6	22.0	21.7	▼ -0.3	- 0.3
L48 Lease and Plant Fuel	5.6	5.6	5.6	5.6	5.6	5.6	5.6	▼ 0.0	▼ 0.0
L48 Pipeline Distribution	3.4	3.9	4.2	3.6	3.6	3.9	3.7	▼ -0.2	▼ -0.1
L48 Regional Gas Consumption	90.1	99.1	105.6	93.5	94.0	99.7	95.0	▼ -4.7	▼ -2.0
Net LNG Delivered	11.12	12.26	12.98	12.15	11.99	11.99	12.23	0.2	△ 0.2
Total Mexican Exports	6.4	6.4	6.3	6.4	6.3	6.2	6.2	▼ 0.0	▼ -0.1
Implied Daily Storage Activity EIA Reported Daily Storage Activity Daily Model Error	-1.0	-11.3	-18.3	-5.9	-5.7	-11.5	-6.7		

EIA Storage Week Balances								
_	LY				LW	Current		
	3-Dec	4-Nov	11-Nov	18-Nov	25-Nov	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	27.6	▼ -2.5	-1.7
L48 Residential & Commercial	32.4	17.1	17.3	35.0	38.0	32.2	▼ -5.8	-0.1
L48 Industrial	22.7	21.4	22.9	24.7	23.3	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	100.9	101.0	90.7	▼-10.3	▼ -2.7
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	6.2	0.3	▼-0.2
Implied Daily Storage Activity	-8.9	10.7	8.9	-12.2	-12.0	-2.3	9.6	6.5
EIA Reported Daily Storage Activity	-8.4	11.3	9.1	-11.4	-11.6			
Daily Model Error	-0.4	-0.6	-0.2	-0.8	-0.4			

Monthly Balances									
•	2Yr Ago	LY					MTD		
	Dec-20	Dec-21	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	MoM	vs. LY
Lower 48 Dry Production	91.7	97.1	97.9	99.0	100.6	100.5	100.9	0.4	3.9
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	29.6	29.7	0.1	1.1
L48 Residential & Commercial	40.3	34.5	7.8	8.7	15.9	28.7	37.1	8.4	2.7
L48 Industrial	23.1	22.5	19.5	18.7	20.7	23.0	22.0	▼ -1.1	▼ -0.6
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	3.8	0.5	0.2
L48 Regional Gas Consumption	100.2	94.6	79.6	73.1	75.2	90.3	98.2	7.9	3.6
Net LNG Exports	11.0	12.1	11.0	11.5	11.3	11.8	12.3	0.5	0.1
Total Mexican Exports	5.8	6.2	6.9	6.7	6.6	6.3	6.3	▲ 0.0	▲ 0.1
Implied Daily Storage Activity EIA Reported Daily Storage Activity	-19.5	-11.1	5.8	13.6	13.2	-2.4	-10.3		
Daily Model Error					0.2				

Source: Bloomberg, analytix.ai



Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

	27-Nov	28-Nov	29-Nov	30-Nov	1-Dec	2-Dec	3-Dec	DoD	vs. 7D
NRC Nuclear Daily Output	87.6	88.5	88.6	88.6	88.7	88.9	88.9	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	17.3	16.4	16.3	16.2	16.2	16.0	16.0	0.0	-0.4
NRC % Nuclear Cap Utilization	89.1	89.9	90.1	90.1	90.2	90.4	90.4	0.0	0.4

Wind Generation Daily Average - MWh (EIA)

	27-Nov	28-Nov	29-Nov	30-Nov	1-Dec	2-Dec	3-Dec	DoD	vs. 7D
CALI Wind	898	3955	1464	775	2812	1167	337	-830	-1509
TEXAS Wind	7519	16682	19133	10582	13548	15575	9224	-6351	-4616
US Wind	49575	63839	73803	62373	70043	77077	52163	-24914	-13955

Generation Daily Average - MWh (EIA)

	27-Nov	28-Nov	29-Nov	30-Nov	1-Dec	2-Dec	3-Dec	DoD	vs. 7D
US Wind	49575	63839	73803	62373	70043	77077	52163	-24914	-13955
US Solar	10047	9709	10421	9980	8882	8231	6628	-1603	-2917
US Petroleum	458	953	436	1323	611	438	248	-189	-455
US Other	7807	7821	8024	7609	8158	8145	7555	-589	-372
US Coal	80942	82457	80371	85759	86873	80941	77517	-3424	-5374
US Nuke	92817	93338	93539	93008	93786	93454	92267	-1187	-1057
US Hydro	23313	25683	26701	25726	29285	29207	24767	-4440	-1885
US Gas	132908	145867	149445	165216	174677	159996	151595	-8401	-3090

See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai



US Hydro

US Gas

Storage Week Average Generation Data

Nuclear Generation Weekly	Average - G	Wh (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 Av	verage - MWI	h (EIA)						
	3-Dec	4-Nov	11-Nov	18- N ov	25-Nov	2-Dec	WoW	WoW Bcf/d Impact
CALI Wind	362	1641	2226	1221	846	1727	880	-0.2
TEXAS Wind	8733	10904	14751	11139	9361	13500	4139	-0.8
US Wind	47210	44699	68076	46512	51484	61096	9612	-1.8
							19%	
						0.4		
Generation Weekly Average	- MWh (EIA)						
 		,			LY	Current		
					= :	J J		WoW
	3-Dec	4-Nov	11-Nov	18-Nov	25-Nov	2-Dec	WoW	Bcf/d
	5 = 3 5		-		•			Impact
US Wind	47210	44699	68076	46512	51484	61096	9612	-1.8
US Solar	9922	11428	10765	11598	10691	9513	-1178	0.2
US Petroleum	1052	990	1023	1067	701	703	2	0.0
US Other	8483	10014	10174	9735	9622	7924	-1698	0.3
US Coal	82130	75083	64650	87043	95175	82216	-12959	2.4
US Nuke	92817	79723	81132	85727	89428	93055	3627	-0.7

See National Wind and Nuclear daily charts

21591

157761

22941

152695

26263

174155

26012

168781

26776

157396

Source: Bloomberg, analytix.ai

25175

146199

0.2

-4.2

-837

-22582



Monthly Average Generation Data

Nuclear Generation Monthly Average - GWh (NRC)											
	2Yr Ago LY				MTD						
	Same 30 days	Same 30 days	Sep-22	Oct-22	Nov-22	Dec-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY		
NRC Nuclear Daily Output	83.8	85.0	86.0	76.1	81.8	88.9	83.9	7.1	-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	21.1	19.9	18.9	28.8	23.1	16.0	20.9	-7.1	1.0		
NRC % Nuclear Cap Utilization	85.2	86.4	87.5	77.4	83.2	90.4	85.4	7.2	-1.1		

Wind Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY				MTD			
	Same 30 days	Same 30 days	Sep-22	Oct-22	Nov-22	Dec-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
CALI Wind	1225	1090	1615	1239	1620	998	1345	-622	255
TEXAS Wind	10470	12469	8014	9916	12506	11359	11693	-1148	-776
US Wind	45746	53397	38335	43698	57282	60722	55976	3440	2579

Generation Monthly Average - MWh (EIA)

	2Yr Ago	LY				MTD			
	Same 30 days	Same 30 days	Sep-22	Oct-22	Nov-22	Dec-22	Last 30 days	MoM (MTD vs LY)	Last 30 days YoY
US Wind	45746	53397	38335	43698	57282	60722	55976	▼ -4746.3	2579
US Solar	7023	9686	16163	14198	10710	7399	10120	2720.1	433
US Petroleum	895	981	852	899	895	359	791	432	▼ -190
US Other	8696	8184	10515	10517	9499	7794	9115	1321	931
US Coal	86198	79487	91192	75808	80690	80073	83008	2935	3521
US Nuke	88124	89834	88601	78132	86362	92808	88508	▼ -4300	▼ -1327
US Hydro	30489	26864	25034	19926	24815	26559	25464	▼ -1095	▼ -1400
US Gas	141359	149050	198243	162343	159469	157891	160757	▼ -2733	11707
US Total	407242	417774	468053	405842	429585	433737	433609	▼ -719	15834



See National Wind and Nuclear daily charts

Source: Bloomberg, analytix.ai



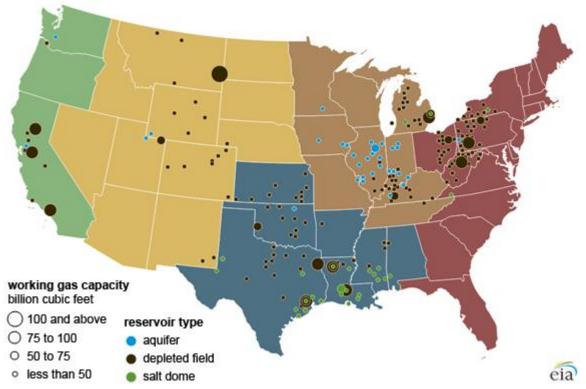
Regional S/D Models Storage Projection

Week Ending 2-Dec

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	-1.2	-0.3	-1.5	-11
East	-3.2	2.0	-1.2	-8
Midwest	-2.2	0.4	-1.7	-12
Mountain	3.5	-4.1	-0.6	-4
South Central	1.2	1.4	2.6	18
Pacific	-0.5	-0.1	-0.7	-5

^{*}Adjustment Factor is calcuated based on historical regional deltas

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

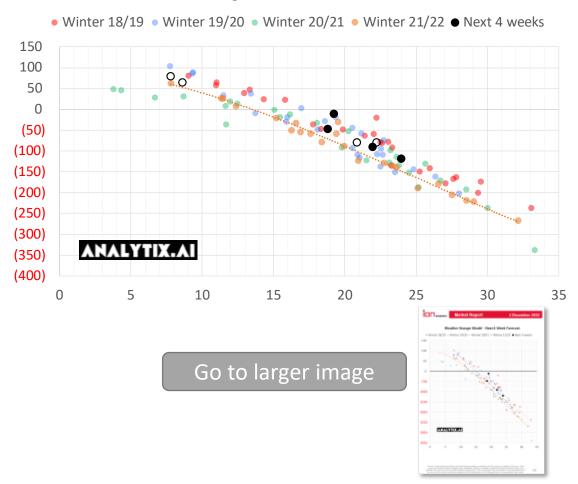




Weather Model Storage Projection

Next report and beyond		
Week Ending	GWDDs	Week Storage Projection
02-Dec	19.2	-11
09-Dec	18.8	-47
16-Dec	21.9	-90
23-Dec	23.9	-119

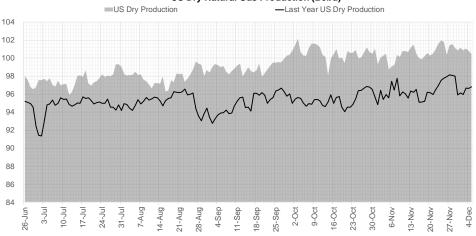
Weather Storage Model - Next 4 Week Forecast



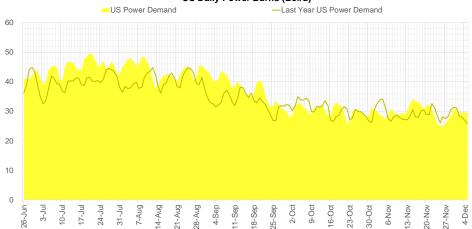


Supply - Demand Trends

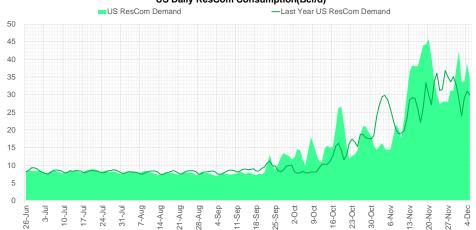
US Dry Natural Gas Production (Bcf/d)



US Daily Power Burns (Bcf/d)



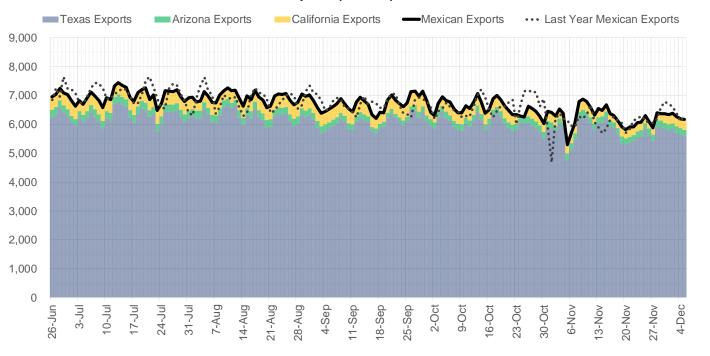
US Daily ResCom Consumption(Bcf/d)



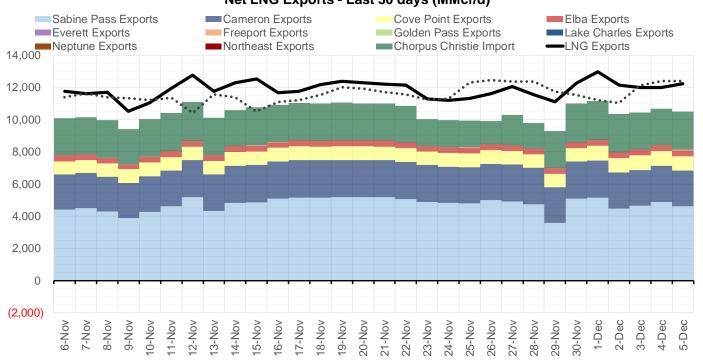
Source: Bloomberg



Mexican Exports (MMcf/d)



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



Source: Bloomberg



Market Report

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
5	2023	Р	4.70	6600	10	2023	Р	3.00	33665
5	2023	P	4.80	6600	3	2023	Ċ	10.00	32131
1	2023	Ċ	7.00	4609	5	2023	P	2.00	31304
1	2023	Č	7.50	3979	3	2023	P	4.00	31085
1	2023	Ċ	10.00	3447	4	2023	Р	3.00	29187
2	2023	Ċ	15.00	3221	1	2023	Р	5.00	25940
1	2023	P	5.50	2711	1	2023	С	10.00	25573
3	2023	C	8.00	2689	5	2023	Р	3.00	24843
3	2023	Č	16.00	2545	1	2023	Р	4.00	24584
1	2023	P	5.00	2452	7	2023	Р	3.00	24427
2	2023	C	7.00	2326	10	2023	Р	2.50	24205
2	2023	Ċ	9.00	2296	2	2023	С	12.00	24116
3	2023	Ċ	7.00	2137	3	2023	Р	3.00	24060
3	2023	C	13.50	1842	6	2023	Р	3.00	23600
3	2023	P	4.00	1801	4	2023	Р	2.00	23567
2	2023	P	4.50	1800	10	2023	Р	2.00	23454
2	2023	С	8.00	1776	5	2023	С	6.00	23404
1	2023	P	4.00	1775	4	2023	Р	3.50	23325
1	2023	Р	6.00	1751	8	2023	Р	3.00	22380
1	2023	Р	4.50	1693	9	2023	Р	3.00	22330
1	2023	С	8.50	1598	3	2023	P -	3.50	22129
2	2023	Р	3.50	1524	1	2023	P	4.50	21163
1	2023	С	9.00	1503	2	2023	С	15.00	21035
1	2023	С	8.00	1467	10	2023	P	4.00	20844
1	2023	С	12.00	1437	3	2023	С	20.00	20503
5	2023	Р	4.00	1340	3	2023	C C	12.00	20479
1	2023	Р	4.25	1309	2	2023	P	10.00	20297
4	2023	С	8.00	1211	4 2	2023 2023	C	4.00 8.00	20294 19838
3	2023	Р	3.00	1134	3	2023	P	5.00	19831
2	2023	С	7.10	1072	5 5	2023	P	2.50	19831
1	2023	Р	6.50	1048	6	2023	P	3.50	19825
3	2023	Р	5.50	1025	8	2023	P	2.00	19552
3	2023	С	7.50	1000	6	2023	P	2.00	19529
5	2023	Р	3.90	1000	9	2023	P	2.00	19453
2	2023	Р	3.00	964	2	2023	Ċ	9.00	19418
1	2023	Р	5.25	940	5	2023	P	3.50	19410
4	2023	С	5.50	900	7	2023	Р	2.00	19352
2	2023	С	10.00	896	4	2023	P	2.75	19180
3	2023	Р	4.50	893	3	2023	C	8.00	19020
1	2023	С	6.50	854	5	2023	P	4.00	18744
1	2023	Р	3.00	832	8	2023	P	3.50	18629
3	2023	Р	5.00	757	10	2023	Р	3.50	18583
2	2023	Р	4.00	756	6	2023	Р	4.00	18446
2	2023	Р	2.75	703	7	2023	Р	3.50	18429
4	2023	Р	3.00	703	9	2023	Р	3.50	18429
4	2023	Р	4.00	690	1	2023	Р	3.00	18371
4	2023	Р	4.50	650	1	2023	С	15.00	18185
1	2023	Р	6.25	615	6	2023	Р	2.50	18181
4	2023	Р	2.00	600	9	2023	P	4	18154
							Source	e: CME, ICE	



Nat Gas Futures Open Interest

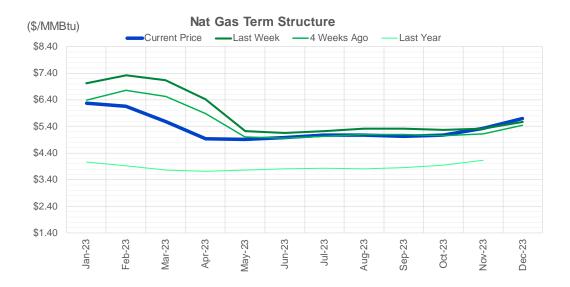
CME and ICE Combined

CME Henry Hub Futures (10,000 MMBtu) ICE Henry Hub Futures Contract Equivalent (10,000 MM											
CIME Henry I				ICE Henry							
	Current	Prior	Daily Change		Current	Prior	Daily Change				
JAN 23	159607	157118	2489	JAN 23	79491	81507	-2017				
FEB 23	68246	66838	1408	FEB 23	68897	69572	-675				
MAR 23	116954	117849	-895	MAR 23	73095	71561	1535				
APR 23	105558	106248	-690	APR 23	60075	60923	-847				
MAY 23	95785	95258	527	MAY 23	61201	60645	556				
JUN 23	29885	29257	628	JUN 23	52389	52012	377				
JUL 23	31915	31926	-11	JUL 23	51876	51860	16				
AUG 23	29334	29531	-197	AUG 23	50970	50804	166				
SEP 23	34866	35134	-268	SEP 23	49622	49237	385				
OCT 23	48864	48152	712	OCT 23	65845	65436	409				
NOV 23	19974	19916	58	NOV 23	48832	48890	-58				
DEC 23	31061	30771	290	DEC 23	46556	45982	574				
JAN 24	38698	38514	184	JAN 24	48145	48017	129				
FEB 24	13446	13452	-6	FEB 24	31742	31806	-64				
MAR 24	25837	25681	156	MAR 24	39680	39563	117				
APR 24	23913	23998	-85	APR 24	36220	35201	1019				
MAY 24	11420	11414	6	MAY 24	32766	32404	363				
JUN 24	3657	3639	18	JUN 24	28841	28794	48				
JUL 24	5206	5215	-9	JUL 24	28397	28340	57				
AUG 24	4512	4486	26	AUG 24	27530	27476	55				
SEP 24	3780	3820	-40	SEP 24	27195	27142	53				
OCT 24	10353	10300	53	OCT 24	31567	31318	249				
NOV 24	5044	4972	72	NOV 24	28163	27798	365				
DEC 24	8734	8761	-27	DEC 24	31042	31813	-771				
JAN 25	18890	18838	52	JAN 25	27516	26498	1018				
FEB 25	1894	1907	-13	FEB 25	15902	15915	-13				
MAR 25	6120	6216	-96	MAR 25	17819	17666	153				
APR 25	6792	6820	-28	APR 25	17570	17264	307				
MAY 25	2858	2846	12	MAY 25	16374	16374	0				
JUN 25	2676	2676	0	JUN 25	15145	15158	-13				

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	\$6.281	\$6.169	\$5.582	\$4.935	\$4.906	\$4.991	\$5.080	\$5.086	\$5.028	\$5.082	\$5.339	\$5.701
Last Week	\$7.024	\$7.330	\$7.135	\$6.424	\$5.215	\$5.150	\$5.231	\$5.315	\$5.320	\$5.261	\$5.316	\$5.581
vs. Last Week	-\$0.743	-\$1.161	-\$1.553	-\$1.489	-\$0.309	-\$0.159	-\$0.151	-\$0.229	-\$0.292	-\$0.179	\$0.023	\$0.120
4 Weeks Ago	\$6.400	\$6.754	\$6.529	\$5.873	\$5.018	\$4.961	\$5.025	\$5.094	\$5.106	\$5.055	\$5.111	\$5.446
vs. 4 Weeks Ago	-\$0.119	-\$0.585	-\$0.947	-\$0.938	-\$0.112	\$0.030	\$0.055	-\$0.008	-\$0.078	\$0.027	\$0.228	\$0.255
Last Year	\$4.132	\$4.073	\$3.921	\$3.751	\$3.727	\$3.766	\$3.817	\$3.829	\$3.815	\$3.851	\$3.948	\$4.136
vs. Last Year	\$2.149	\$2.096	\$1.661	\$1.184	\$1.179	\$1.225	\$1.263	\$1.257	\$1.213	\$1.231	\$1.391	\$1.565

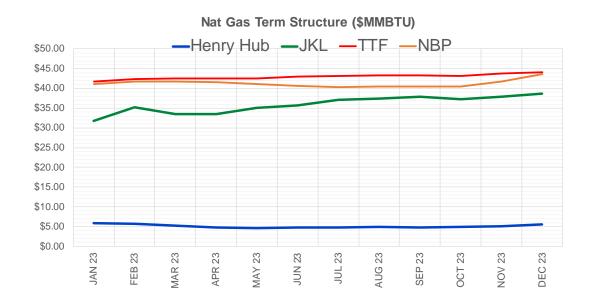
	Units	Cash	Prompt	Cash to
		Settled	Settle	Prompt
AGT Citygate	\$/MMBtu	6.55	24.61	18.06
TETCO M3	\$/MMBtu	5.22	10.14	4.92
FGT Zone 3	\$/MMBtu	5.29	7.55	2.26
Zone 6 NY	\$/MMBtu	5.29	10.44	5.15
Chicago Citygate	\$/MMBtu	4.67	7.30	2.63
Michcon	\$/MMBtu	4.94	6.63	1.69
Columbia TCO Pool	\$/MMBtu	4.17	6.25	2.08
Ventura	\$/MMBtu	5.25	7.89	2.64
Rockies/Opal	\$/MMBtu	15.75	6.97	-8.78
El Paso Permian Basin	\$/MMBtu	4.89	4.45	-0.44
Socal Citygate	\$/MMBtu	17.28	12.41	-4.87
Malin	\$/MMBtu	15.00	12.42	-2.58
Houston Ship Channel	\$/MMBtu	3.95	6.40	2.45
Henry Hub Cash	\$/MMBtu	6.23	6.47	0.24
AECO Cash	C\$/GJ	4.29	4.50	0.21
Station2 Cash	C\$/GJ	3.02	13.72	10.70
Dawn Cash	C\$/GJ	4.95	6.92	1.97

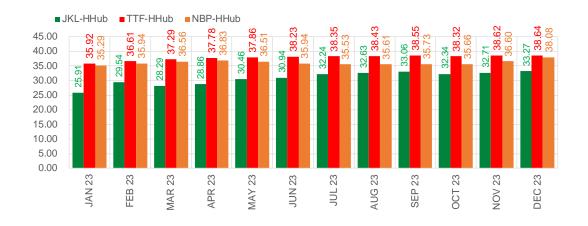
Source: CME, Bloomberg



				vs. 4 Weeks	
	Units	Current Price	vs. Last Week		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	- 0.108
NatGas Apr22/Oct22	\$/MMBtu	1.532	0.000	0.000	1.432
WTI Crude	\$/Bbl	79.98	3.700	- 12.630	13.720
Brent Crude	\$/Bbl	85.57	1.940	-13.000	15.690
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	0.000	0.000	0.000
Heating Oil	cents/Gallon	316.85	-7.060	-74.630	107.010
Propane, Mt. Bel	cents/Gallon	0.72	▼ -0.132	▼ -0.158	▼ -0.270
Ethane, Mt. Bel	cents/Gallon	0.38	- 0.026	- 0.017	a 0.028
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			



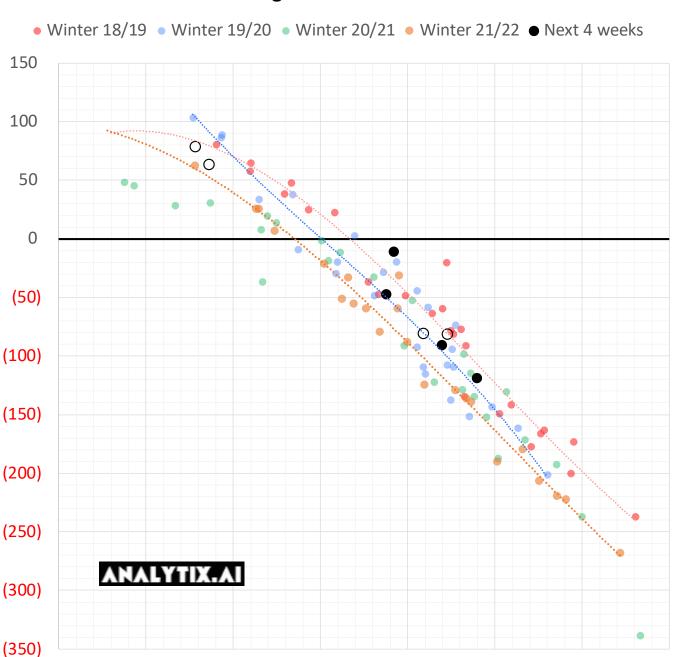




	JAN 23	FEB 23	MAR 23	APR 23	MAY 23	JUN 23	JUL 23	AUG 23	SEP 23	OCT 23	NOV 23	DEC 23
Henry Hub	\$5.852	\$5.755	\$5.176	\$4.679	\$4.654	\$4.728	\$4.815	\$4.830	\$4.773	\$4.853	\$5.112	\$5.484
JKL	\$31.760	\$35.295	\$33.465	\$33.540	\$35.110	\$35.670	\$37.050	\$37.455	\$37.830	\$37.190	\$37.820	\$38.755
JKL-HHub	\$25.908	\$29.540	\$28.289	\$28.861	\$30.456	\$30.942	\$32.235	\$32.625	\$33.057	\$32.337	\$32.708	\$33.271
TTF	\$41.771	\$42.367	\$42.469	\$42.455	\$42.518	\$42.962	\$43.160	\$43.262	\$43.325	\$43.170	\$43.727	\$44.127
TTF-HHub	\$35.919	\$36.612	\$37.293	\$37.776	\$37.864	\$38.234	\$38.345	\$38.432	\$38.552	\$38.317	\$38.615	\$38.643
NBP	\$41.143	\$41.697	\$41.735	\$41.513	\$41.167	\$40.672	\$40.349	\$40.439	\$40.501	\$40.515	\$41.709	\$43.560
NBP-HHub	\$35.291	\$35.942	\$36.559	\$36.834	\$36.513	\$35.944	\$35.534	\$35.609	\$35.728	\$35.662	\$36.597	\$38.076



Weather Storage Model - Next 4 Week Forecast



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