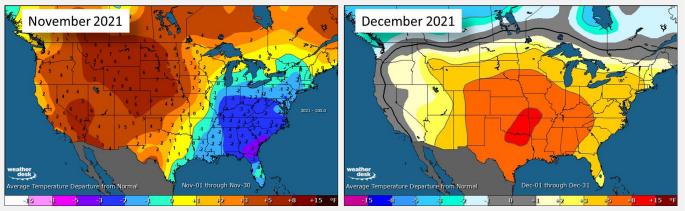
What a winter this has been so far. Weather has dominated the #natgas headlines with Nov and Dec realizing to be extremely warm at the national level. The following two weather maps put everything we need to know into perspective.



Source: Maxar Weather, enelyst.com

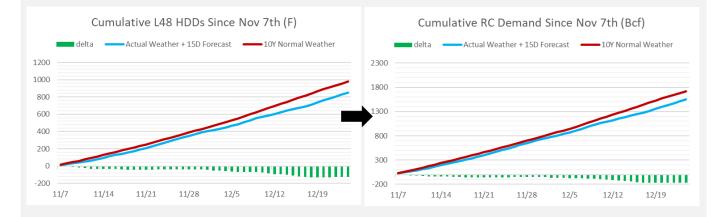
We had a hunch that weather would play a key role in price direction based on where storage levels were at the end of Oct (more that years where storage finishes above the 5Yr Avg). Starting mid-summer, the balances started pointing to very tight conditions and as a result, natgas was trading at a premium to encourage more production and reduced power burns.

Now that winter has had an extremely warm start (Nov warmer that the 10Y, and Dec on record to be the 2nd warmest in the past 50 years), the market has sold off quickly. Here are a couple of quick charts showing prompt and the term structure has changed over the past 6 months.



Market Report

As part of today's report, we try to put some numbers around this weather move. By our calculation, the current warmer-than-normal weather shows 128 fewer HDDs between Nov 7th and Dec 24th than we would have seen with 10Y normal weather [Friday's 00z gives us visibility to Dec 24th]. This has resulted in rescomm demand lower by 168 Bcf [RC Demand: 1719 Bcf with 10Y normal weather & 1551 Bcf with Actuals + 15D forecast].



Note:

1) This does not take into consideration the lower industrial demand or reduced production freeze-off that also adds to the bearish tone. So it's fair to say that weather has added at least 168 Bcf to the end of March storage forecasts made before the start of winter.

2) We only have visibility to ~40% of winter days so far, and therefore there is still the opportunity for much cooler or warmer days ahead. Even though the market looks to have written of this winter, there is still a lot of time left for some variability.

This takes us to the next part of our report where we go through a simple quantitative exercise to see how the daily 15D forecast has impacted price this winter so far. Please treat this analysis as only a simplistic approach to understanding the daily weather factor on price change.

Starting the first Monday of November we calculated the expected total HDDs between Nov 1st to Dec 31st. Each week going forward, we compared the total HDD for that same time range (61 days) and compared it to the closing price for that day. So the assumption is that the daily temp change gets embedded into price by end of day.

Total HDD = historical HDDs + the expected from the the Euro Ensemble 15D + the 10Y normal



Cum Prom

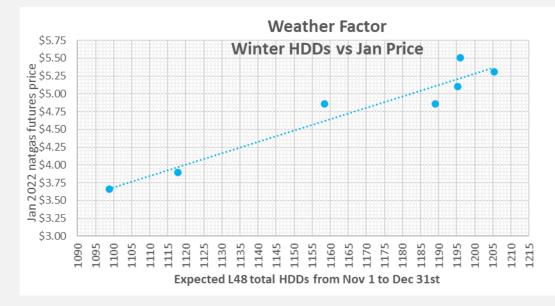
Market Report

< Weather Days	01-Nov 02-Nov 03-Nov 05-Nov 05-Nov 07-Nov 08-Nov 09-Nov 10-Nov 11-Nov 12-Nov	01-Nov 10.7 13.4 15.7 15.7 15.7 15.4 14.0 12.7	ecast date> 08-Nov 11.7 14.4 16.0 16.4 16.2 14.9	15-Nov 11.7 14.4 16.0 16.4 16.2	22-Nov 11.7 14.4 16.0 16.4	29-Nov 11.7 14.4 16.0 16.4	06-Dec 11.7 14.4 16.0	10-Dec 10Y 11.7 14.4 16.0	/ Normal 11.3 10.9 11.4
< Weather Days	02-Nov 03-Nov 04-Nov 05-Nov 06-Nov 07-Nov 08-Nov 09-Nov 10-Nov 11-Nov 12-Nov	13.4 15.7 15.7 15.4 14.0 12.7	14.4 16.0 16.4 16.2 14.9	14.4 16.0 16.4 16.2	14.4 16.0 16.4	14.4 16.0	14.4 16.0	11.7 14.4 16.0	11.3 10.9
< Weather Days	03-Nov 04-Nov 05-Nov 06-Nov 07-Nov 08-Nov 09-Nov 10-Nov 11-Nov 12-Nov	15.7 15.7 15.4 14.0 12.7	16.0 16.4 16.2 14.9	16.0 16.4 16.2	16.0 16.4	16.0	16.0	16.0	
< Weather Days	04-Nov 05-Nov 06-Nov 07-Nov 08-Nov 09-Nov 10-Nov 11-Nov 12-Nov	15.7 15.7 15.4 14.0 12.7	16.4 16.2 14.9	16.4 16.2	16.4				11.4
	05-Nov 06-Nov 07-Nov 08-Nov 09-Nov 10-Nov 11-Nov 12-Nov	15.7 15.7 15.4 14.0 12.7	16.4 16.2 14.9	16.4 16.2	16.4				
	06-Nov 07-Nov 08-Nov 09-Nov 10-Nov 11-Nov 12-Nov	15.4 14.0 12.7	14.9		10.0	10.4	16.4	16.4	12.3
	07-Nov 08-Nov 09-Nov 10-Nov 11-Nov 12-Nov	14.0 12.7			16.2	16.2	16.2	16.2	11.9
	08-Nov 09-Nov 10-Nov 11-Nov 12-Nov	12.7	42.7	14.9	14.9	14.9	14.9	14.9	12.1
	09-Nov 10-Nov 11-Nov 12-Nov		13.7	13.7	13.7	13.7	13.7	13.7	14.3
	10-Nov 11-Nov 12-Nov		9.9	10.5	10.5	10.5	10.5	10.5	15.5
	11-Nov 12-Nov	12.3	9.1	8.7	8.7	8.7	8.7	8.7	15.2
	12-Nov	11.8	9.4	9.0	9.0	9.0	9.0	9.0	15.1
		11.2	9.5	10.0	10.0	10.0	10.0	10.0	16.0
		10.7	8.9	10.7	10.7	10.7	10.7	10.7	17.5
	13-Nov	11.2	12.8	16.0	16.0	16.0	16.0	16.0	18.4
	14-Nov	12.5	15.6	17.8	17.8	17.8	17.8	17.8	18.1
	15-Nov	13.2	16.4	16.3	17.0	17.0	17.0	17.0	17.1
	16-Nov	16.1	16.9	15.2	15.5	15.5	15.5	15.5	16.1
	17-Nov	16.5	15.5	12.3	12.7	12.7	12.7	12.7	16.5
	18-Nov	17.4	14.5	10.9	12.3	12.3	12.3	12.3	17.4
	19-Nov	17.9	15.6	17.1	19.4	19.4	19.4	19.4	17.9
	20-Nov	18.1	16.7	19.2	19.2	19.2	19.2	19.2	18.1
	21-Nov	18.5	17.5	17.0	16.4	16.4	16.4	16.4	18.5
	22-Nov	18.5	18.1	17.4	16.8	19.6	19.6	19.6	18.5
	23-Nov	19.5	19.5	20.5	21.9	22.3	22.3	22.3	19.5
	24-Nov	19.7	19.7	20.9	20.1	20.1	20.1	20.1	19.7
	25-Nov	18.9	18.9	19.3	17.3	18.0	18.0	18.0	18.9
	26-Nov	18.8	18.8	17.9	20.0	21.2	21.2	21.2	18.8
	27-Nov	20.2	20.2	18.3	21.4	21.3	21.3	21.3	20.2
	28-Nov	21.0	21.0	19.0	20.5	18.8	18.8	18.8	21.0
	29-Nov	19.9	19.9	19.8	20.5	19.7	20.4	20.4	19.9
	30-Nov	19.1	19.1	19.1	19.9	19.0	18.3	18.3	19.1
	01-Dec	19.4	19.4	19.4	19.4	16.5	15.5	15.5	19.4
	02-Dec	20.0	20.0	20.0	18.7	12.1	10.6	10.6	20.0
	03-Dec	19.5	19.5	19.5	16.6	14.1	15.5	15.5	19.5
	04-Dec	20.0	20.0	20.0	15.5	17.5	17.3	17.3	20.0
	05-Dec	20.0	21.1	21.1	16.5	22.6	17.6	17.6	21.1
	06-Dec	22.3	22.3	22.3	18.8	20.9	14.8	16.8	22.3
	07-Dec	24.4	24.4	24.4	24.4	20.1	21.5	24.7	24.4
	08-Dec	25.3	25.3	25.3	25.3	18.8	22.9	23.2	25.3
	09-Dec	24.4	24.4	24.4	24.4	19.9	21.6	23.1	24.4
	10-Dec	24.3	24.3	24.3	24.3	20.3	18.1	18.8	24.3
	11-Dec	24.5	24.6	24.5	24.6	19.9	15.1	14.3	24.6
	12-Dec	24.0	24.0	24.0	24.0	20.0	18.9	14.5	24.0
	12-Dec 13-Dec	23.7	23.7	23.7	23.7	20.0	20.0	19.5	23.7
	14-Dec	23.2	23.2	23.2	23.2	23.2	18.9	19.0	23.2
	15-Dec	23.2	23.2	23.2	23.2	23.2	17.8	17.2	23.2
	16-Dec	23.5	24.4	24.4	24.4	24.4	16.2	14.8	24.4
:	17-Dec	24.4	24.4	24.4	24.4	24.4	16.4	17.9	24.4
:	18-Dec	24.7	25.5	24.7	24.7	25.5	17.3	21.4	25.5
:	19-Dec	25.5	25.4	25.4	25.4	25.4	18.8	23.6	25.4
	20-Dec	23.4	23.4	23.4	23.4	23.4	20.3	22.2	23.4
	20-Dec	23.8	23.8	23.8	23.8	23.0	20.3	22.4	21.2
	22-Dec	20.7	20.7	20.7	20.7	21.2	20.7	23.5	20.7
	23-Dec	20.7	20.7	20.7	20.7	20.7	20.7	21.9	20.7
	23-Dec 24-Dec	21.4	21.4	23.2	21.4	23.2	23.2	21.5	23.2
	TH DEC	23.2	23.2	23.2	23.2	23.2	23.2	24.6	23.2
	25-Doc	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
	25-Dec	25.0	25.0	25.0	25.0	25.0	23.0	23.0	23.0
	26-Dec								
	26-Dec 27-Dec	25.0 25.6	25.0 25.6	25.0 25.6	25.0 25.6	25.0	25.0 25.6	25.0 25.6	25.0
	26-Dec 27-Dec 28-Dec	25.6	25.6	25.6	25.6	25.6 27.0	25.6 27.0	25.6 27.0	25.6
	26-Dec 27-Dec 28-Dec 29-Dec		77.0	770		// 11	27.0	27.0	27.0
	26-Dec 27-Dec 28-Dec 29-Dec 30-Dec	27.0	27.0	27.0	27.0				
ulative H	26-Dec 27-Dec 28-Dec 29-Dec 30-Dec 31-Dec	27.0 27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
Jan 2	26-Dec 27-Dec 28-Dec 29-Dec 30-Dec 31-Dec HDDs	27.0							27.6 1226.5

⁹
⁴ Historical
³ 15D Forecast

10Y Normal

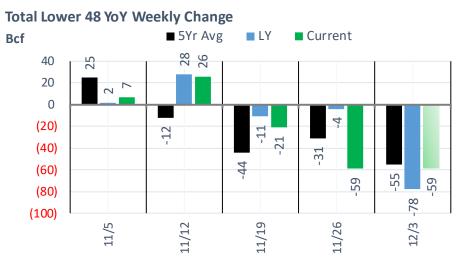
When we chart the Total HDDs (for that 61 day strip) from each week against the closing daily price, we see a strong relationship that roughly translates into each change in HDD equating to a ~1.6c price move.



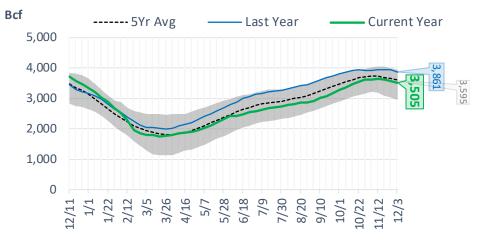
Note: There is some noise to this analysis because many fundamental factors influence the daily price change such as production levels, LNG feedgas levels, change in power burn levels with changing price, and longer range weather forecasts. Please use this only for informational purposes.

Market Report

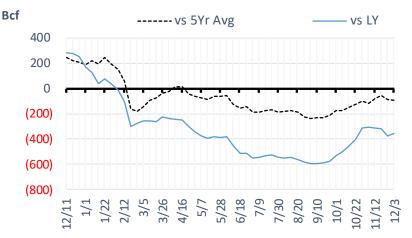
EIA Storage Report



Total Lower 48 Storage Levels

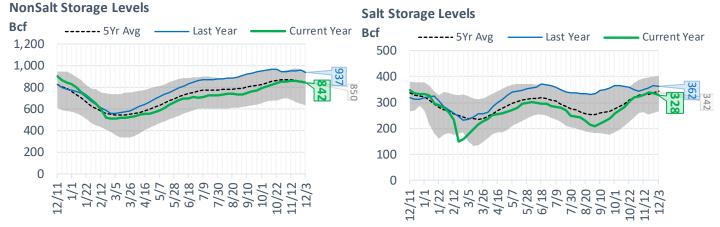


Total Lower 48 LY Surplus/Deficit



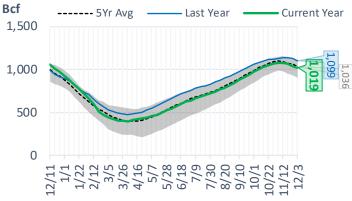
Natural Gas Storage Stats - Last 5 Weeks

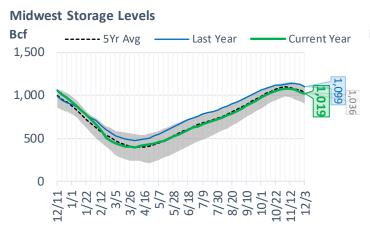
	Current	Week - 1	Week - 2	Week - 3	Week - 4	Week - 5
Week Ending	3-Dec	26-Nov	19-Nov	12-Nov	5-Nov	29-Oct
Total Lower 48 Storage Level	3505	3564	3623	3644	3618	3611
Weekly Change	-59	-59	-21	+26	+7	+63
vs LY	-356	-375	-320	-310	-308	-313
vs 5Yr Avg	-90	-86	-58	-81	-119	-101
S. Central Salt Storage Level	328	335	338	331	324	320
Weekly Change	-7	-3	+7	+7	+4	+16
vs LY	-34	-31	-17	-18	-21	-30
vs 5Yr Avg	-14	-3	+8	+1	-4	+1
S. Central NonSalt Storage Level	842	851	859	860	850	852
Weekly Change	-9	-8	-1	+10	-2	+12
vs LY	-95	-107	-97	-95	-98	-96
vs 5Yr Avg	-8	-9	-6	-11	-23	-17
Midwest Storage Level	1019	1043	1066	1079	1075	1071
Weekly Change	-24	-23	-13	+4	+4	+19
vs LY	-80	-81	-68	-58	-51	-48
vs 5Yr Avg	-17	-15	-9	-12	-21	-15
East Storage Level	843	867	889	900	897	899
Weekly Change	-24	-22	-11	+3	-2	+14
vs LY	-75	-67	-48	-51	-46	-47
vs 5Yr Avg	-16	-8	-1	-8	-18	-14
Mountain Storage Level	206	206	210	212	213	213
Weekly Change	0	-4	-2	-1	0	+1
vs LY	-27	-34	-32	-29	-30	-28
vs 5Yr Avg	-7	-12	-10	-8	-9	-8
Pacific Storage Level	266	263	262	261	258	256
Weekly Change	+3	+1	+1	+3	+2	+1
vs LY	-47	-55	-58	-58	-64	-64
vs 5Yr Avg	-28	-37	-40	-42	-46	-48



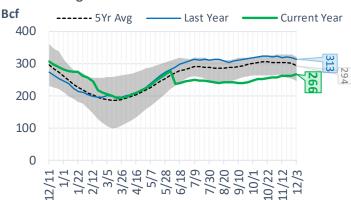


Midwest Storage Levels





Pacific Storage Levels



EIA Storage Week Balances

	5-Nov	12-Nov	19-Nov	26-Nov	3-Dec	10-Dec	WoW	vs. 4W
Lower 48 Dry Production	95.1	95.9	95.1	96.2	96.9	96.7	-0.2	0.7
Canadian Imports	5.5	5.1	4.9	5.5	5.6	5.3	▼ -0.3	▲ 0.0
L48 Power	29.6	27.5	27.8	29.2	28.8	28.9	A 0.1	a 0.6
L48 Residential & Commercial	24.3	23.6	28.0	33.3	33.3	35.4	2 .1	5 .9
L48 Industrial	21.2	21.4	23.1	22.4	22.4	23.8	1.4	1.5
L48 Lease and Plant Fuel	5.2	5.2	5.2	5.2	5.3	5.2	▼ 0.0	▲ 0.0
L48 Pipeline Distribution	2.9	2.7	3.0	3.3	3.3	3.2	▼ 0.0	A 0.1
L48 Regional Gas Consumption	83.2	80.3	87.0	93.5	93.1	96.6	3.6	8.2
Net LNG Exports	10.9	11.2	11.1	11.7	11.8	12.0	0.2	0.6
Total Mexican Exports	6.1	6.2	6.1	6.0	6.4	6.5	0.1	0.3
Implied Daily Storage Activity	0.4	3.2	-4.2	-9.6	-8.8	-13.2	-4.4	
EIA Reported Daily Storage Activity	1.0	3.7	-3.0	-8.4	-8.4			
Daily Model Error	-0.6	-0.5	-1.2	-1.1	-0.4			

Monthly Balances

	2Yr Ago	LY					MTD		
	Dec-19	Dec-20	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	МоМ	vs. LY
Lower 48 Dry Production	95.9	91.6	94.0	93.4	94.0	95.9	96.6	0.7	5.0
Canadian Imports	4.5	5.8	5.1	5.1	5.4	5.3	5.2	T-0.1	▼ -0.6
L48 Power	29.3	28.0	40.1	33.0	30.2	28.8	28.8	A 0.1	a 0.8
L48 Residential & Commercial	39.1	40.3	7.9	8.7	13.2	29.6	33.6	4 .0	▼ -6.7
L48 Industrial	24.6	23.4	21.5	20.3	20.3	22.3	23.4	1.2	0.0
L48 Lease and Plant Fuel	5.2	5.0	5.1	5.1	5.1	5.2	5.2	0.0	A 0.3
L48 Pipeline Distribution	3.4	3.4	2.6	2.3	2.3	3.1	3.1	0.0	T -0.3
L48 Regional Gas Consumption	101.6	100.0	77.2	69.4	71.3	88.9	94.2	5.3	▼ -5.8
Net LNG Exports	7.8	11.0	10.5	10.3	10.6	11.4	11.8	0.5	0.9
Total Mexican Exports	4.9	5.8	6.9	6.7	6.6	6.1	6.5	0.4	0.7
Implied Daily Storage Activity EIA Reported Daily Storage Activity Daily Model Error	-13.8	-19.5	4.6	12.1	10.9	-5.3	-10.8		

Source: Bloomberg, analytix.ai

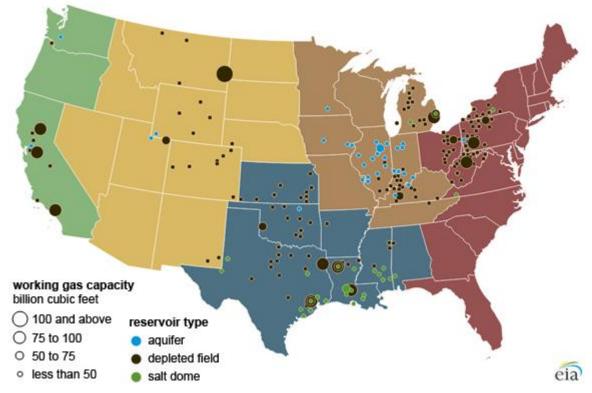


Regional S/D Models Storage Projection

Week Ending	10-Dec			
			Daily	
			Average	Weekly
		Daily	Storage	Adjusted
	Daily Raw	Adjustment	Activity	Storage
	Storage	Factor	(Adjusted) *	Activity
L48	10 5	1.0	10 5	07
L40	-13.5	1.0	-12.5	-87
East	-6.1	1.8	-4.3	-30
Midwest	-	0.2	_	-36
	-5.3	-	-5.1	
Mountain	2.3	-3.5	-1.2	-8
South Central	-4.4	2.7	-1.6	-11
Pacific	0.1	-0.3	-0.2	-2

*Adjustment Factor is calcuated based on historical regional deltas

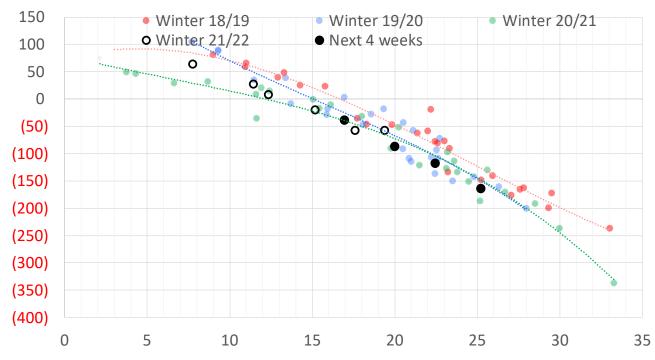
U.S. underground natural gas storage facilities by type (July 2015)



Weather Model Storage Projection

Next report and beyond		
Week Ending	GWDDs	Week Storage Projection
10-Dec	20	-87
17-Dec	17	-39
24-Dec	22	-118
31-Dec	25	-164

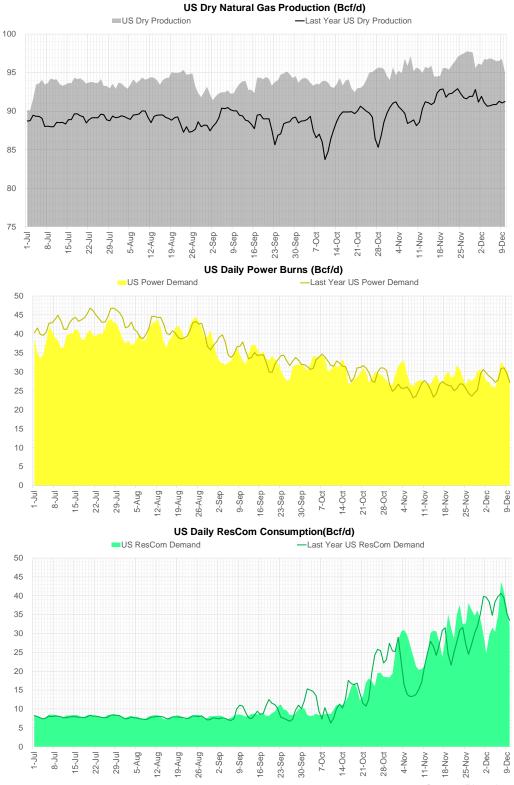
Weather Storage Model - Next 4 Week Forecast



Note: this is not our official end of season forecast. This chart signifies where storage levels end with 10-year normal weather and current market tightness relative to last year

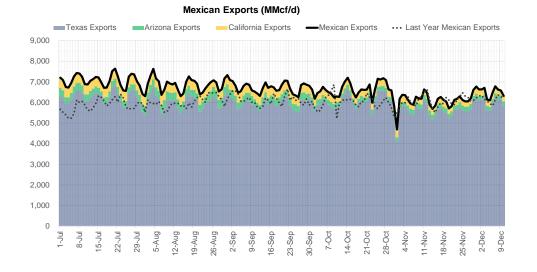


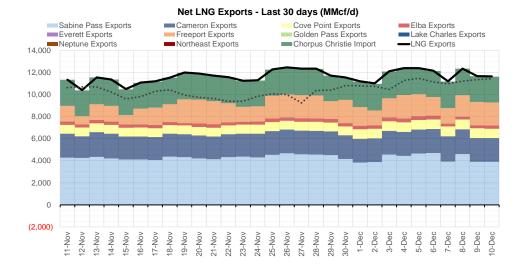




Source: Bloomberg







Source: Bloomberg

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12



Nat Gas Options Volume and Open Interest

CME, ICE and Nasdaq Combined

CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
1	2022	Р	3.00	6720	3	2022	С	10.00	34516
1	2022	С	4.00	3587	1	2022	Р	4.00	26758
3	2022	Р	2.25	3502	1	2022	Р	3.00	26127
3	2022	С	4.00	3169	3	2022	С	8.00	25901
4	2022	С	4.00	3025	3	2022	С	5.00	24341
1	2022	С	5.00	3011	1	2022	С	6.00	24150
4	2022	Р	2.25	3000	1	2022	С	4.00	23610
2	2022	С	5.00	2833	1	2022	Р	2.75	23308
1	2022	С	4.50	2718	1	2022	С	5.00	23154
1	2022	Р	3.50	2454	2	2022	С	5.00	21503
3	2022	Р	3.50	2281	3	2022	Р	2.50	21445
4	2022	Р	2.50	2250	1	2022	Р	3.50	20756
1	2022	С	4.25	2218	4	2022	С	5.00	20630
3	2022	P	3.00	2052	12	2022	С	5.00	20297
3	2022	Р	2.50	2007	3	2022	С	6.00	20007
5	2022	Р	2.25	2000	4	2022	С	3.00	19710
6	2022	P	2.25	2000	3	2022	Р	3.00	18624
7	2022	Р	2.25	2000	1	2022	С	10.00	18360
8	2022	P	2.25	2000	1	2022	С	7.00	17806
9	2022	P	2.25	2000	3	2022	С	4.00	17460
10	2022	P	2.25	2000	1	2022	Р	3.25	17195
5	2022	C	5.00	1840	2	2022	С	6.00	17076
1	2022	P	3.25	1760	3	2022	Р	4.00	17065
4	2022	C	5.00	1683	1	2022	С	4.50	16860
3	2022	c	6.00	1614	3	2022	Р	3.50	16462
2	2022	č	5.50	1594	2	2022	Р	3.50	16374
4	2022	P	3.50	1400	2	2022	С	4.00	16252
2	2022	P	3.00	1394	2	2022	Р	4.00	15802
1	2022	C	4.75	1291	5	2022	С	5.00	15608
2	2022	P	3.50	1178	6	2022	С	5.00	15502
3	2022	c	6.75	1150	4	2022	Р	2.50	15089
4	2022	P	2.00	1100	3	2022	С	7.00	15087
10	2022	P	2.00	1100	2	2022	С	10.00	13964
2	2022	P	3.25	1043	5	2022	С	3.00	13733
3	2022	C	10.00	943	1	2022	С	8.00	13469
1	2022	c	5.50	932	3	2022	P	5.00	13464
2	2022	c	4.25	927	6	2022	С	3.00	13438
4	2022	c	5.25	900	1	2022	С	5.50	13368
4	2022	P	3.75	840	12	2022	С	4.50	13272
1	2022	P	3.40	817	7	2022	С	3.00	13230
3	2022	P	3.40	800	8	2022	С	3.00	13226
3 4	2022	P	3.70	800	9	2022	С	3.00	13225
4	2022	P	3.70	677	3	2022	С	3.00	13178
4	2022 2022	P	2.35	650	5	2022	P	3.00	13178
4 5	2022 2022	P C	2.35 6.00	650 650	10	2022	С	3.00	13114
		P			12	2022	С	5.25	13063
5	2022	P P	2.35	650	8	2022	С	5.00	13003
6	2022	P	2.35	650	2	2022	P	3.00	12752
7	2022	P	2.35	650	3	2022	С	3.50	12744
8	2022	Р	2.35	650	2	2022	С	5.5	12733

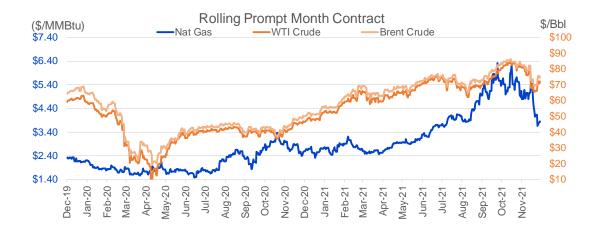
Source: CME, Nasdaq, ICE

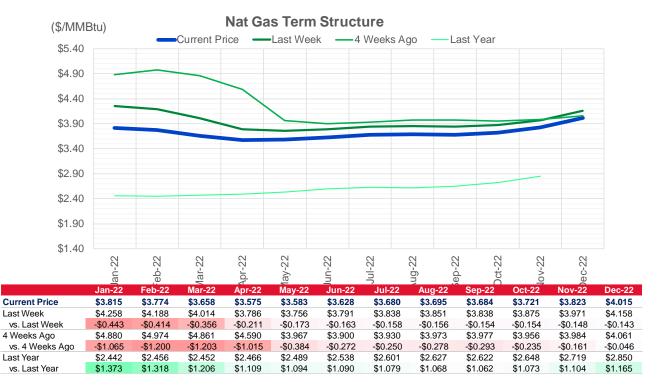


Nat Gas Futures Open Interest CME, ICE and Nasdaq Combined

CME Henry I	Hub Futures (1	0,000 MMBtu	J)	ICE Henry I	Hub Futures Cor	ntract Equiva	alent (10,000 MM
	Current	Prior	Daily Change		Current	Prior	Daily Change
JAN 22	157919	188897	-30978	JAN 22	101457	104280	-2823
FEB 22	84669	79489	5180	FEB 22	73380	71997	1382
MAR 22	200687	189533	11154	MAR 22	89611	89031	580
APR 22	91966	94716	-2750	APR 22	73002	72763	240
MAY 22	115714	117594	-1880	MAY 22	70846	70685	161
JUN 22	48826	49002	-176	JUN 22	53277	53114	163
JUL 22	40384	42585	-2201	JUL 22	56955	56708	247
AUG 22	31967	32019	-52	AUG 22	54840	54566	274
SEP 22	44584	42619	1965	SEP 22	55917	55852	65
OCT 22	79138	78545	593	OCT 22	63086	62942	144
NOV 22	34780	34661	119	NOV 22	49575	49149	427
DEC 22	32601	32381	220	DEC 22	58144	57659	486
JAN 23	43165	43376	-211	JAN 23	45019	45074	-55
FEB 23	11794	11884	-90	FEB 23	35257	35114	144
MAR 23	25894	26081	-187	MAR 23	39862	39638	225
APR 23	18323	17991	332	APR 23	39961	39872	89
MAY 23	12977	12957	20	MAY 23	35454	35372	82
JUN 23	9924	9842	82	JUN 23	32026	31852	174
JUL 23	7226	7203	23	JUL 23	31552	31393	159
AUG 23	5014	4978	36	AUG 23	32549	32329	221
SEP 23	6754	6706	48	SEP 23	31004	30810	194
OCT 23	10898	10637	261	OCT 23	35339	35102	237
NOV 23	5997	5980	17	NOV 23	33764	33812	-48
DEC 23	8543	8496	47	DEC 23	32374	32354	21
JAN 24	6462	6277	185	JAN 24	22899	22889	10
FEB 24	1470	1469	1	FEB 24	16050	16042	9
MAR 24	9068	9066	2	MAR 24	21822	21589	233
APR 24	4732	4727	5	APR 24	15371	15262	109
MAY 24	2047	2036	11	MAY 24	15846	15842	4
JUN 24	928	928	0	JUN 24	16234	16238	-4

Source: CME, ICE





				vs. 4 Weeks	
	Units	Current Price	vs. Last Week	Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	2.224	a 0.000	a 0.000	a 2.191
NatGas Oct21/Nov21	\$/MMBtu	0.361	a 0.000	a 0.000	a 0.302
NatGas Oct21/Jan22	\$/MMBtu	-2.027	- 0.242	- 1.431	-2.300
NatGas Apr22/Oct22	\$/MMBtu	0.157	a 0.057	a 0.161	a 0.110
WTICrude	\$/Bbl	70.94	4 .440	- 10.650	4 24.160
Brent Crude	\$/Bbl	74.42	4 .750	- 8.450	4 24.170
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	0.000	0.000	a 0.000
Heating Oil	cents/Gallon	225.03	4 14.690	- 19.680	a 81.460
Propane, Mt. Bel	cents/Gallon	1.01	a 0.046	-0.345	a 0.421
Ethane, Mt. Bel	cents/Gallon	0.34	-0.012	-0.072	a 0.140
Coal, PRB	\$/MTon	12.30	a 0.000	0.000	a 0.000
Coal, PRB	\$/MMBtu	0.70			

Source: CME, Bloomberg



Baker Hughes Rig Counts

	Rotary Rig	Count		Baker	Hughes ≽
	12/10/20	21		Building	nugnes 🧷
U.S. Breakout Information	This Week	+/-	Last Week	+/-	Year Ago
Oil	471	4	467	213	258
Gas	105	3	102	26	79
Miscellaneous	0	0	0	-1	1
District	04	•			47
Directional	31	0	31	14	17
Horizontal	521	8	513	215	306
Vertical	24	-1	25	9	15
Canada Breakout	This Week	+/-	Last Week	+/-	Year Ago
	THIS WEEK	-	Lasi Week	- 7/-	Teal Ago
Oil	110	-3	113	58	52
Oil Gas	110 67	-3 0	113 67	58 8	52 59
Gas	67	0	67	8	59
Gas	67	0	67	8	59 Year Ago
Gas Major Basin Variances	67 This Week	0 +/-	67 Last Week	8 +/-	59
Gas Major Basin Variances Arkoma Woodford	67 This Week 2	0 +/- -1	67 Last Week 3	8 +/- 2	59 Year Ago 0 0
Gas Major Basin Variances Arkoma Woodford Barnett	67 This Week 2 0	0 +/- -1 -1	67 Last Week 3 1	8 +/- 2 0	59 Year Ago 0
Gas Major Basin Variances Arkoma Woodford Barnett Cana Woodford	67 This Week 2 0 25	0 +/- -1 -1 2	67 Last Week 3 1 23	8 +/- 2 0 17	59 Year Ago 0 0 8
Gas Major Basin Variances Arkoma Woodford Barnett Cana Woodford DJ-Niobrara	67 This Week 2 0 25 11	0 +/- -1 -1 2 0	67 Last Week 3 1 23 11	8 +/- 2 0 17 4	59 Year Ago 0 0 8 7
Gas Major Basin Variances Arkoma Woodford Barnett Cana Woodford DJ-Niobrara Eagle Ford	67 This Week 2 0 25 11 44	0 +/- -1 -1 2 0 2	67 Last Week 3 1 23 11 42	8 +/- 2 0 17 4 18	59 Year Ago 0 0 8 7 26
Gas Major Basin Variances Arkoma Woodford Barnett Cana Woodford DJ-Niobrara Eagle Ford Granite Wash	67 This Week 2 0 25 11 44 44 4	0 +/- -1 -1 2 0 2 1	67 Last Week 3 1 23 11 42 3	8 +/- 2 0 17 4 18 3	59 Year Ago 0 0 8 7 26 1
Gas Major Basin Variances Arkoma Woodford Barnett Cana Woodford DJ-Niobrara Eagle Ford Granite Wash Haynesville	67 This Week 2 0 25 11 44 4 4 4 6	0 +/- -1 -1 2 0 2 1 0 2	67 Last Week 3 1 23 11 42 3 46	8 +/- 2 0 17 4 18 3 6	59 Year Ago 0 0 8 7 26 1 40
Gas Major Basin Variances Arkoma Woodford Barnett Cana Woodford DJ-Niobrara Eagle Ford Granite Wash Haynesville Marcellus	67 This Week 2 0 25 11 44 4 46 30	0 +/- -1 -1 2 0 2 1 0 2 1 0 0	67 Last Week 3 1 23 11 42 3 46 30	8 +/- 2 0 17 4 18 3 6 3	59 Year Ago 0 0 8 7 26 1 40 27