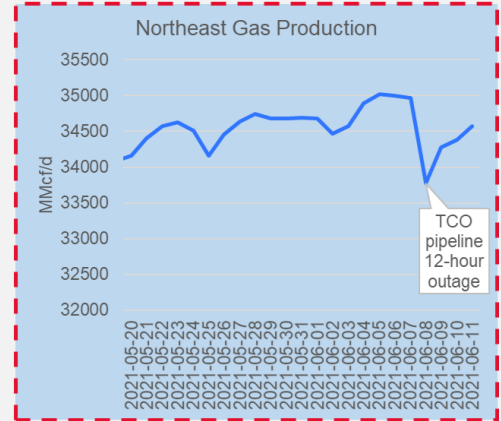
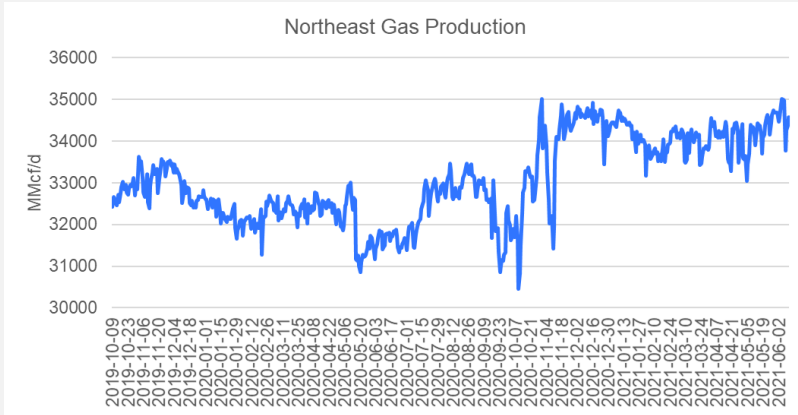
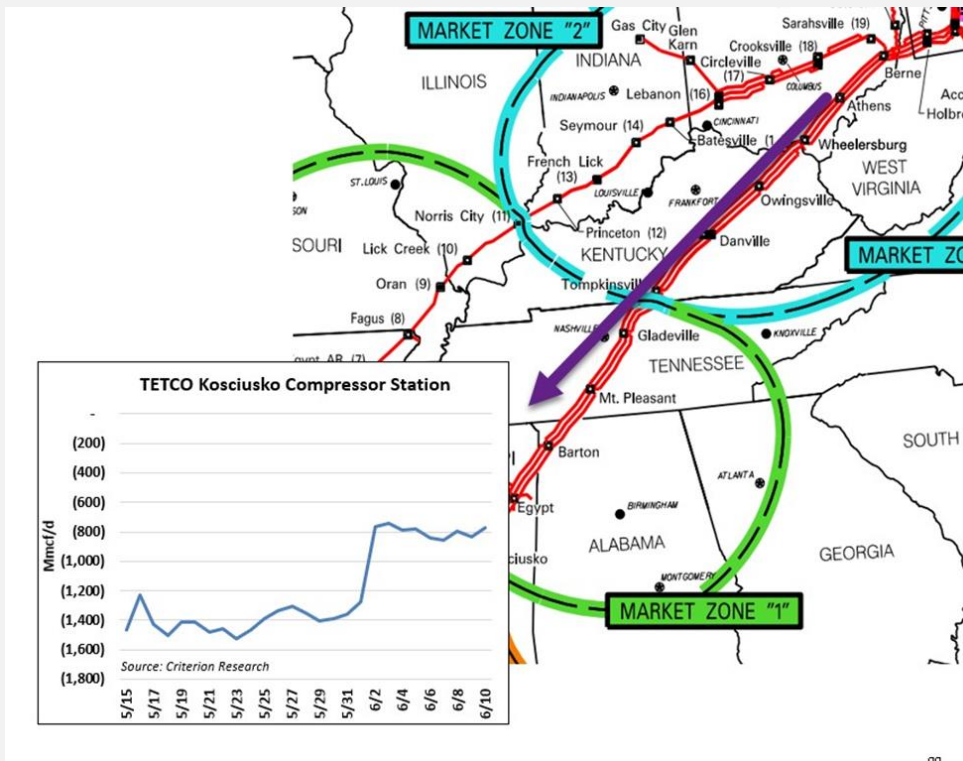


Domestic production was 0.4 Bcf/d higher week-on-week with the all the gains coming out of the South Central. Northeast production has bounced between 34-35 Bcf/d this past week, despite the reduced N-to-S TETCO flows.



More specifically, TETCO's production receipts have not shown a decline despite the late May PHMSA order leading to a sizeable drop in N-to-S flows. PHMSA suspended the renewal of TETCO's temporary request to remain at its full capacity and thus TETCO was required to reinstate a 20% pressure restriction on Lines 10 and 15 between Kosciusko and Uniontown effective June 1, 2021. This equates to about 700 mcmfM/d of reduced throughput.



Keep in mind that TETCO has a history of explosions: The first was in January 2019 in Ohio, the second in August 2019 in Kentucky, which was fatal, and the third in May 2020 in Kentucky.

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A notice on late Thursday gave more details on the operations and potential length of the outage.

Notice Link:

<https://infopost.enbridge.com/infopost/NoticeListDetail.asp?strKey1=109233&type=CRI&embed=&pipe=TE>

TETCO continues to meet regularly with PHMSA and is in the process of conducting an engineering analysis to address PHMSA's concerns to support a return to service and will continue to do so over the next several weeks. At this time, TETCO anticipates that the earliest the 30-inch pipeline between Kosciusko and Uniontown will be returned to full service would be late 3rd Quarter of 2021. With the release of the notice, the market soared after hours with the release of the notice. Prices continued the rally on Friday reaching levels seen during winter storm Uri.

Producers have kept volumes steady so far partly due to high Zone 3 demand and ample storage space available upstream. We could see a decline in production receipts if cooling demand drops substantially, but even that is unlikely with flow diversions on other pipelines leaving the Marcellus/Utica basins.

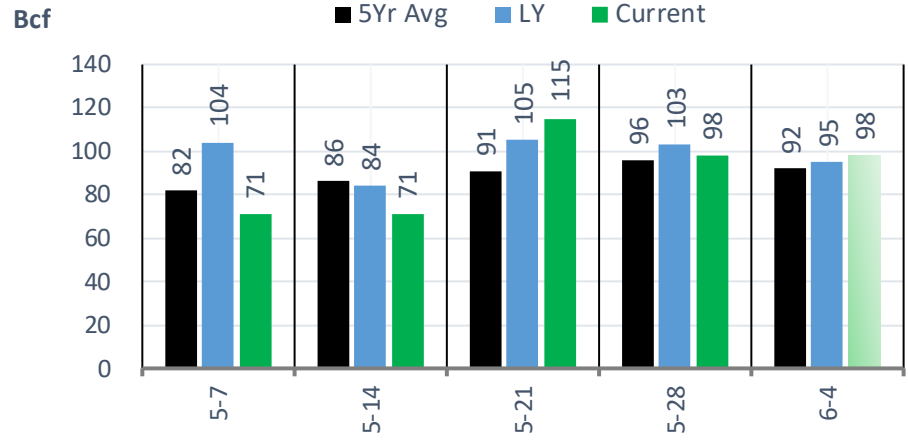
If for some known reason production did need to be shut in, than the greatest impact would be ~77 Bcf.

$110 \text{ days} \times 0.7 \text{ Bcf} = 77 \text{ Bcf}$

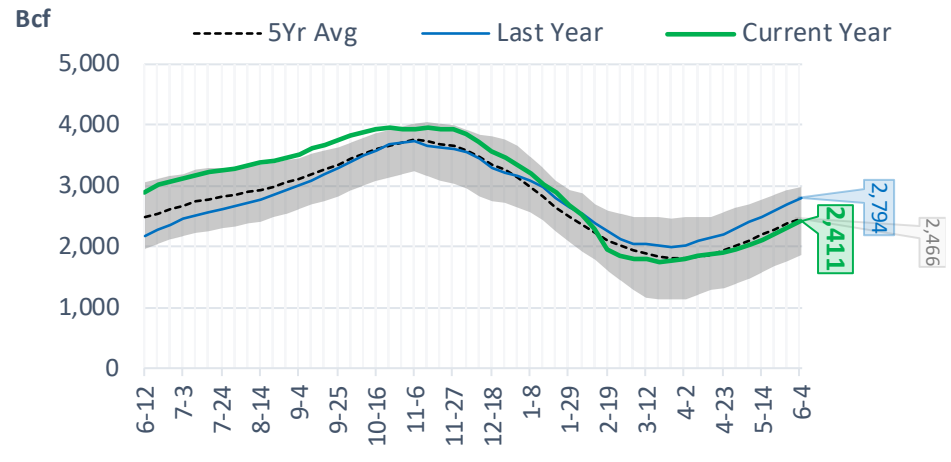
We will continue to monitor the story.

## EIA Storage Report

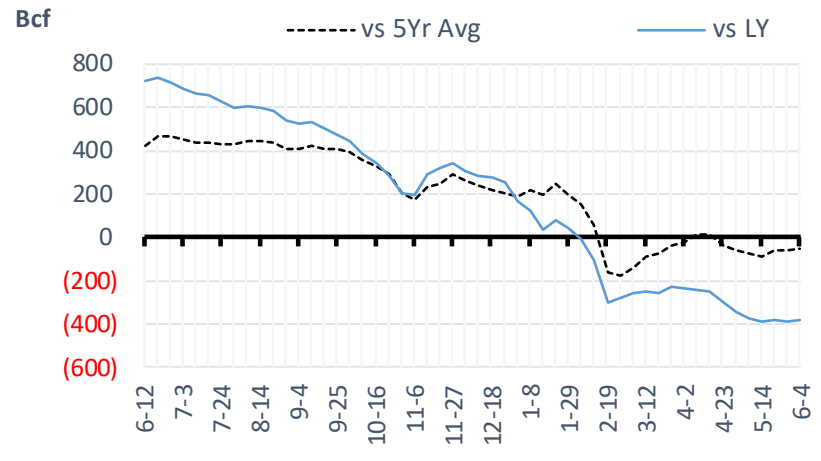
### Total Lower 48 YoY Weekly Change



### Total Lower 48 Storage Levels



### Total Lower 48 LY Surplus/Deficit

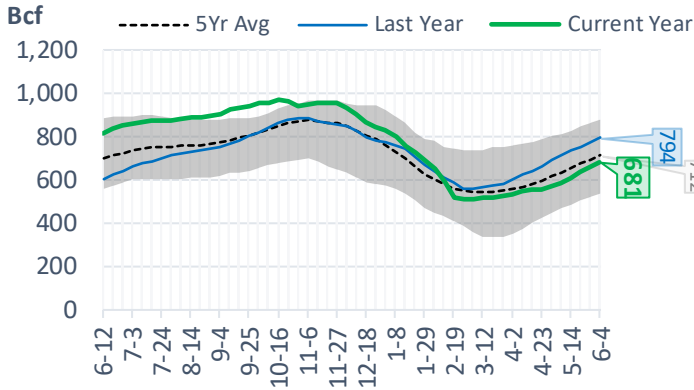


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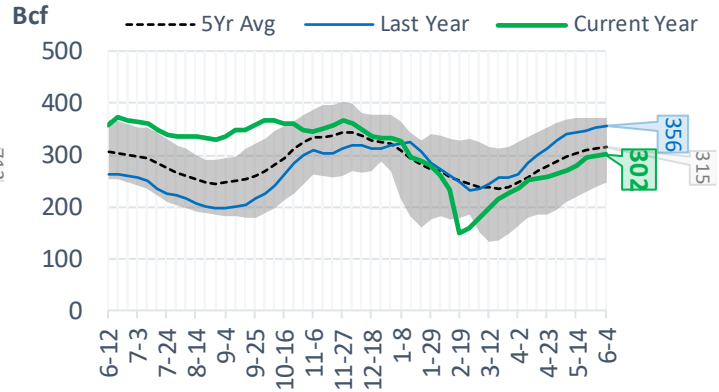
## Natural Gas Storage Stats - Last 5 Weeks

Week Ending	Current 4-Jun	Week - 1 28-May	Week - 2 21-May	Week - 3 14-May	Week - 4 7-May	Week - 5 30-Apr
<b>Total Lower 48 Storage Level</b>	<b>2411</b>	2313	2215	2100	2029	1958
<b>Weekly Change</b>	<b>+98</b>	+98	+115	+71	+71	+60
<b>vs LY</b>	<b>-383</b>	-386	-381	-391	-378	-345
<b>vs 5Yr Avg</b>	<b>-55</b>	-61	-63	-87	-72	-61
<b>S. Central Salt Storage Level</b>	<b>302</b>	300	296	280	269	264
<b>Weekly Change</b>	<b>+2</b>	+4	+16	+11	+5	+6
<b>vs LY</b>	<b>-54</b>	-52	-52	-64	-70	-65
<b>vs 5Yr Avg</b>	<b>-13</b>	-12	-12	-24	-28	-25
<b>S. Central NonSalt Storage Level</b>	<b>681</b>	659	635	608	588	572
<b>Weekly Change</b>	<b>+22</b>	+24	+27	+20	+16	+14
<b>vs LY</b>	<b>-113</b>	-116	-119	-126	-128	-119
<b>vs 5Yr Avg</b>	<b>-31</b>	-36	-40	-48	-49	-47
<b>Midwest Storage Level</b>	<b>547</b>	522	499	472	458	442
<b>Weekly Change</b>	<b>+25</b>	+23	+27	+14	+16	+15
<b>vs LY</b>	<b>-111</b>	-108	-103	-101	-93	-85
<b>vs 5Yr Avg</b>	<b>-7</b>	-4	+2	+1	+10	+13
<b>East Storage Level</b>	<b>445</b>	413	385	358	347	332
<b>Weekly Change</b>	<b>+32</b>	+28	+27	+11	+15	+13
<b>vs LY</b>	<b>-114</b>	-118	-114	-109	-101	-89
<b>vs 5Yr Avg</b>	<b>-31</b>	-35	-34	-34	-22	-14
<b>Mountain Storage Level</b>	<b>160</b>	151	144	135	131	124
<b>Weekly Change</b>	<b>+9</b>	+7	+9	+4	+7	+5
<b>vs LY</b>	<b>+13</b>	+12	+13	+12	+15	+14
<b>vs 5Yr Avg</b>	<b>+13</b>	+11	+10	+7	+9	+7
<b>Pacific Storage Level</b>	<b>276</b>	268	256	247	235	224
<b>Weekly Change</b>	<b>+8</b>	+12	+9	+12	+11	+7
<b>vs LY</b>	<b>-4</b>	-4	-6	-4	-3	-3
<b>vs 5Yr Avg</b>	<b>+13</b>	+14	+11	+11	+8	+5

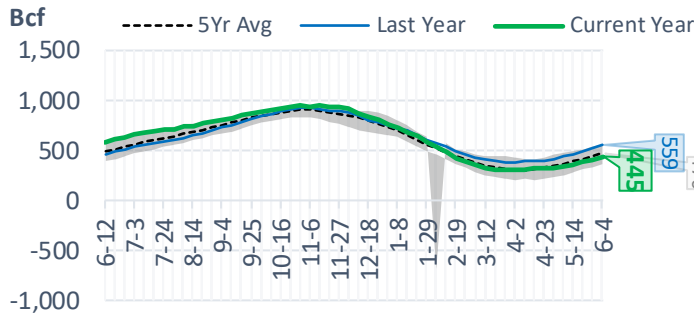
## NonSalt Storage Levels



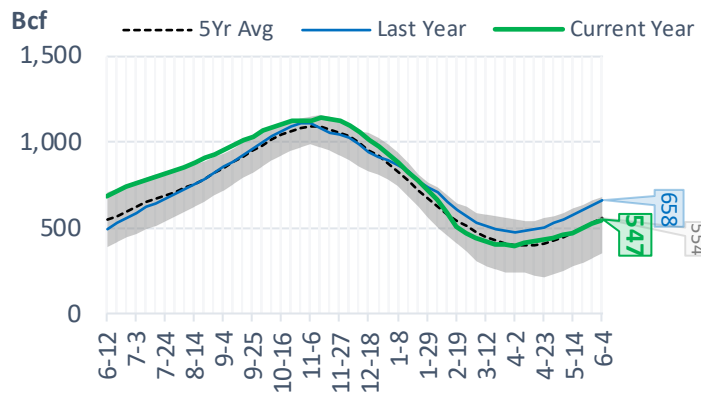
## Salt Storage Levels



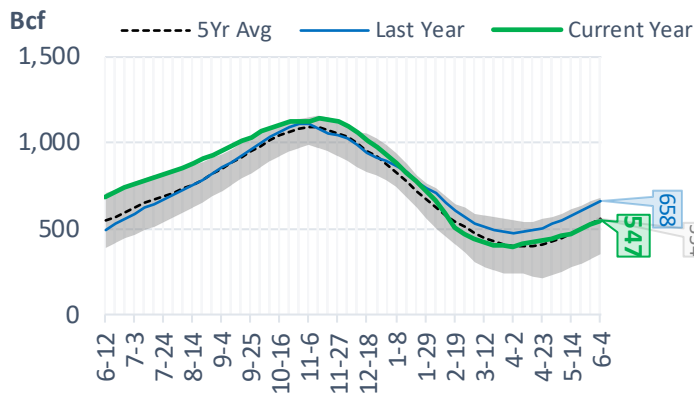
## East Storage Levels



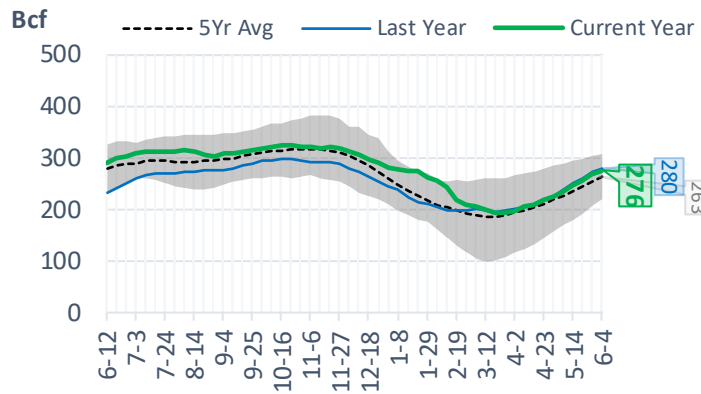
## Midwest Storage Levels



## Midwest Storage Levels



## Pacific Storage Levels



## EIA Storage Week Balances

	7-May	14-May	21-May	28-May	4-Jun	11-Jun	WoW	vs. 4W
<b>Lower 48 Dry Production</b>	<b>91.3</b>	<b>91.5</b>	<b>91.4</b>	<b>92.1</b>	<b>91.9</b>	<b>92.3</b>	▲ 0.4	▲ 0.6
<b>Canadian Imports</b>	<b>4.6</b>	<b>4.8</b>	<b>4.6</b>	<b>4.5</b>	<b>3.9</b>	<b>4.9</b>	▲ 1.0	▲ 0.4
L48 Power	26.6	26.0	26.6	29.8	28.2	35.2	▲ 7.0	▲ 7.6
L48 Residential & Commercial	13.9	18.2	10.5	9.4	11.7	8.4	▼ -3.3	▼ -4.1
L48 Industrial	19.8	18.1	19.6	19.4	16.6	20.6	▲ 4.0	▲ 2.2
L48 Lease and Plant Fuel	5.0	5.0	5.0	5.0	5.1	5.1	▲ 0.0	▲ 0.1
L48 Pipeline Distribution	2.1	2.3	1.9	2.0	2.0	2.2	▲ 0.1	▲ 0.1
<b>L48 Regional Gas Consumption</b>	<b>67.4</b>	<b>69.5</b>	<b>63.6</b>	<b>65.7</b>	<b>63.6</b>	<b>71.5</b>	▲ 7.9	▲ 5.9
<b>Net LNG Exports</b>	<b>11.3</b>	<b>11.0</b>	<b>10.4</b>	<b>10.5</b>	<b>11.0</b>	<b>9.3</b>	▼ -1.7	▼ -1.5
<b>Total Mexican Exports</b>	<b>6.7</b>	<b>6.8</b>	<b>6.8</b>	<b>6.7</b>	<b>7.2</b>	<b>7.3</b>	▲ 0.1	▲ 0.5
<b>Implied Daily Storage Activity</b>	<b>10.5</b>	<b>9.0</b>	<b>15.2</b>	<b>13.7</b>	<b>14.0</b>	<b>9.2</b>	-4.9	
<b>EIA Reported Daily Storage Activity</b>	<b>10.1</b>	<b>10.1</b>	<b>16.4</b>	<b>14.0</b>	<b>14.0</b>			
<b>Daily Model Error</b>	<b>0.4</b>	<b>-1.1</b>	<b>-1.2</b>	<b>-0.3</b>	<b>0.0</b>			

## Monthly Balances

	2Yr Ago Jun-19	LY Jun-20	Feb-21	Mar-21	Apr-21	May-21	MTD Jun-21	MoM	vs. LY
<b>Lower 48 Dry Production</b>	<b>91.5</b>	<b>87.7</b>	<b>85.2</b>	<b>91.8</b>	<b>91.4</b>	<b>91.6</b>	<b>92.2</b>	▲ 0.6	▲ 0.4
<b>Canadian Imports</b>	<b>4.7</b>	<b>4.0</b>	<b>6.3</b>	<b>4.8</b>	<b>4.7</b>	<b>4.5</b>	<b>4.7</b>	▲ 0.2	▼ -0.1
L48 Power	33.1	34.9	27.7	24.3	25.0	27.1	34.1	▲ 7.0	▲ 9.8
L48 Residential & Commercial	9.0	8.8	47.1	29.3	20.0	13.1	8.4	▼ -4.7	▼ -20.9
L48 Industrial	22.5	19.9	21.3	19.7	20.3	18.9	19.5	▲ 0.6	▼ -0.2
L48 Lease and Plant Fuel	5.0	4.8	4.7	5.0	5.0	5.0	5.1	▲ 0.1	▲ 0.1
L48 Pipeline Distribution	2.1	2.2	3.3	2.5	2.2	2.1	2.1	▲ 0.0	▼ -0.5
<b>L48 Regional Gas Consumption</b>	<b>71.7</b>	<b>70.7</b>	<b>104.1</b>	<b>80.9</b>	<b>72.5</b>	<b>66.1</b>	<b>69.1</b>	▲ 3.0	▼ -11.8
<b>Net LNG Exports</b>	<b>5.5</b>	<b>4.0</b>	<b>8.6</b>	<b>11.1</b>	<b>11.5</b>	<b>10.8</b>	<b>9.8</b>	▼ -1.1	▼ -1.4
<b>Total Mexican Exports</b>	<b>5.2</b>	<b>5.5</b>	<b>5.8</b>	<b>6.5</b>	<b>6.7</b>	<b>6.8</b>	<b>7.4</b>	▲ 0.6	▲ 0.9
<b>Implied Daily Storage Activity</b>	<b>13.8</b>	<b>11.5</b>	<b>-27.0</b>	<b>-2.0</b>	<b>5.4</b>	<b>12.4</b>	<b>10.6</b>		
<b>EIA Reported Daily Storage Activity</b>									
<b>Daily Model Error</b>									

Source: Bloomberg, analytix.ai

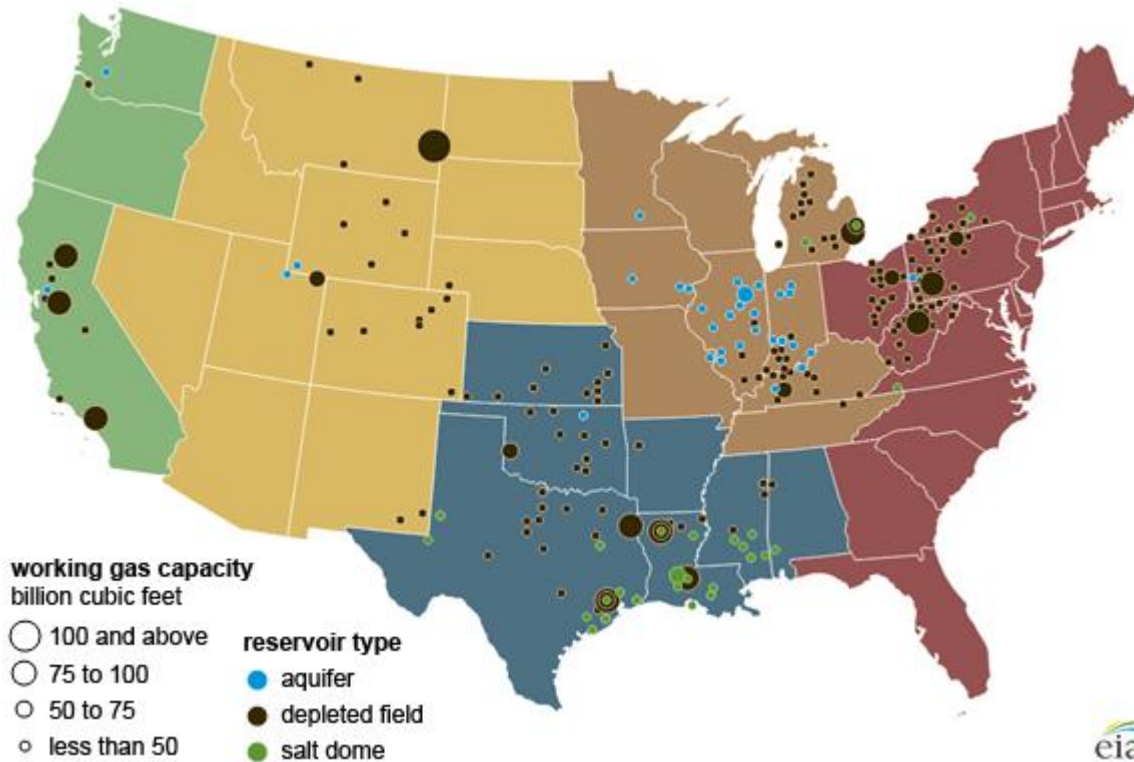
## Regional S/D Models Storage Projection

Week Ending 11-Jun

	Daily Raw Storage	Daily Adjustment Factor	Daily Average Storage Activity (Adjusted) *	Weekly Adjusted Storage Activity
L48	8.8	0.8	9.6	67
East	1.8	1.0	2.8	19
Midwest	4.1	-0.7	3.4	24
Mountain	4.7	-3.4	1.3	9
South Central	-3.3	4.4	1.2	8
Pacific	1.5	-0.5	0.9	6

\*Adjustment Factor is calculated based on historical regional deltas

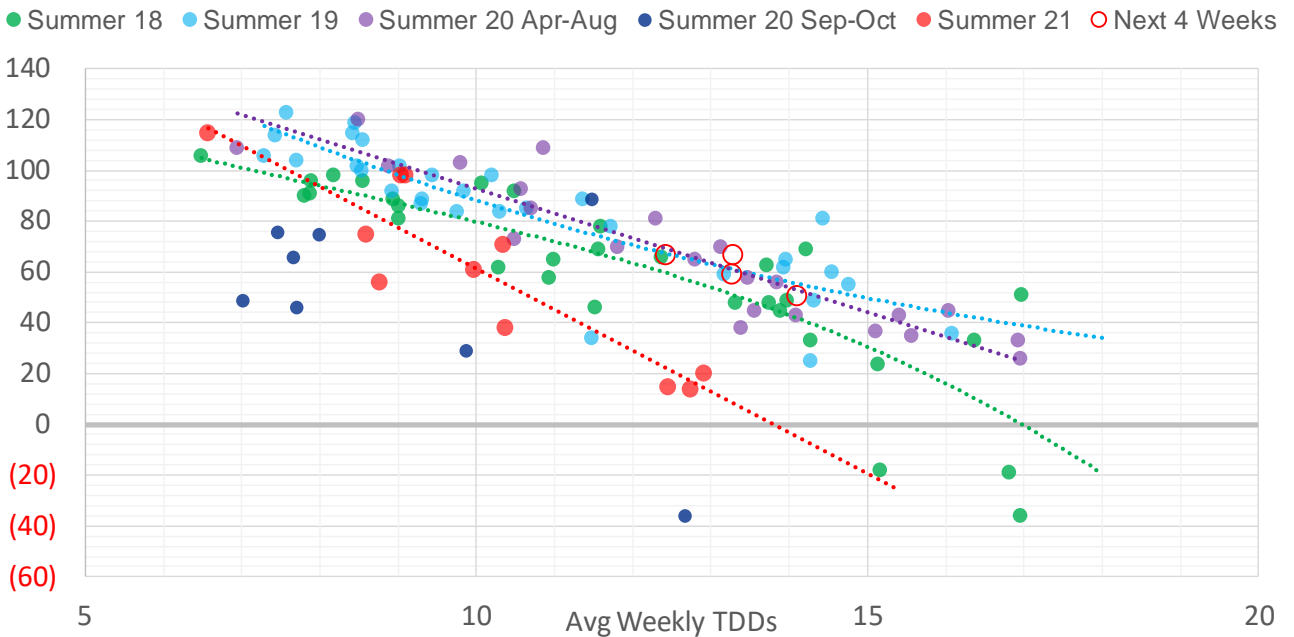
U.S. underground natural gas storage facilities by type (July 2015)



## Weather Model Storage Projection

Next report and beyond		
Week Ending	Temp	Week Storage Projection
18-Jun	12.4	67
25-Jun	14.1	51
02-Jul	13.3	60

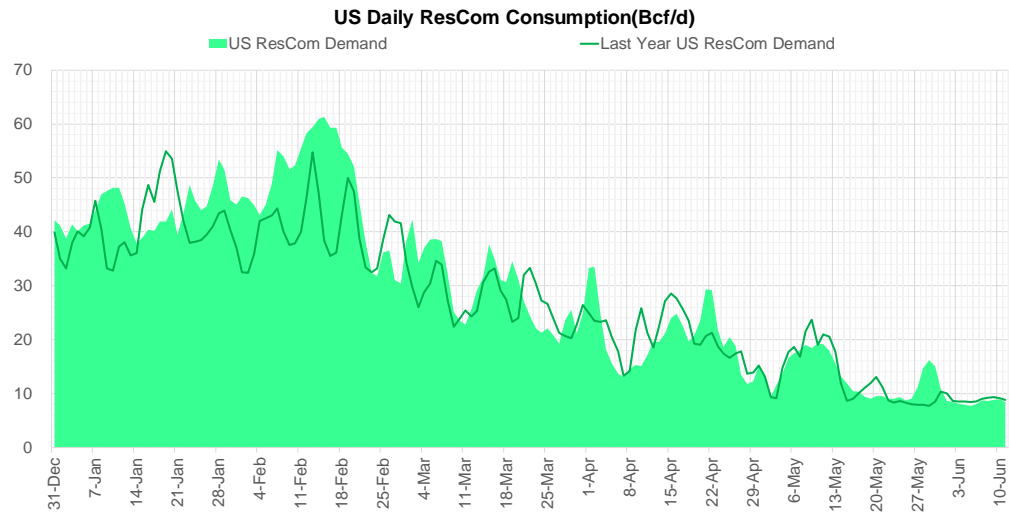
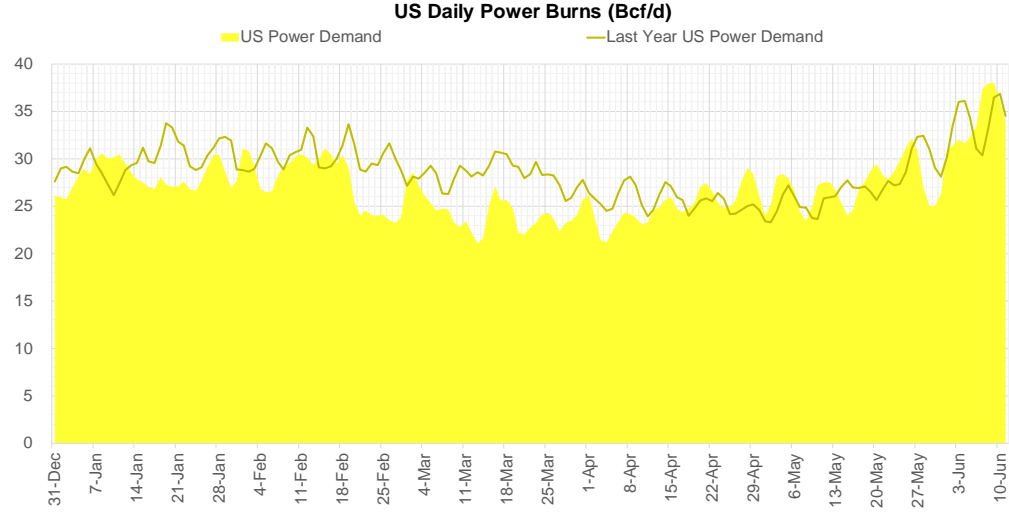
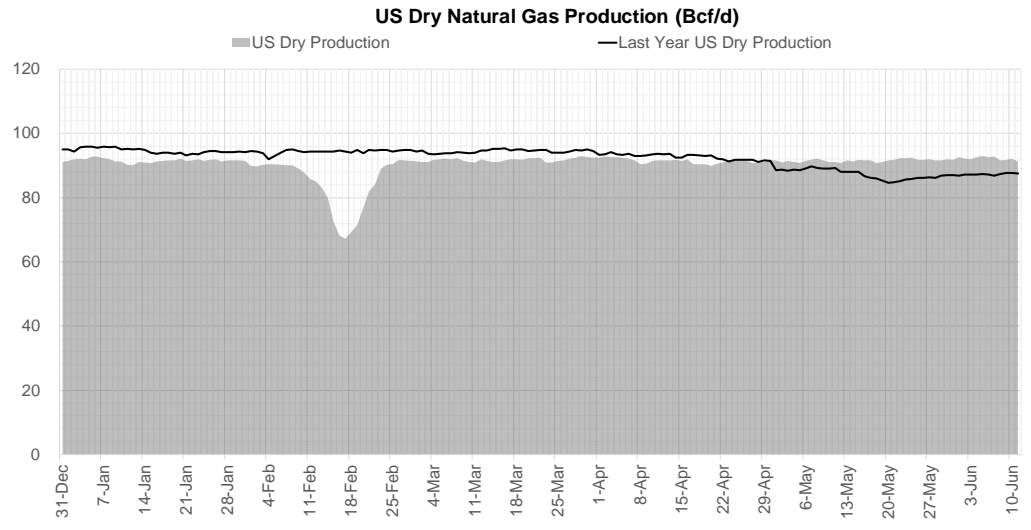
### Weather Storage Model - Next 4 Week Forecast



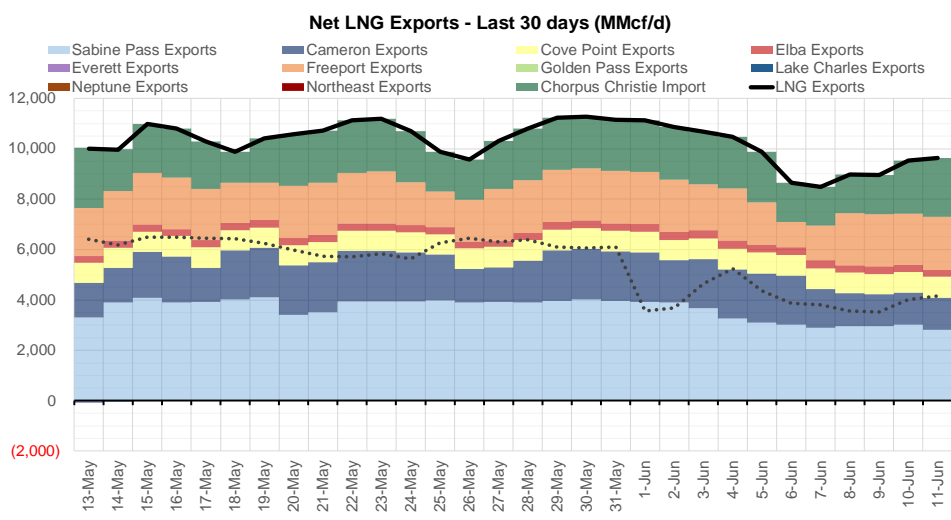
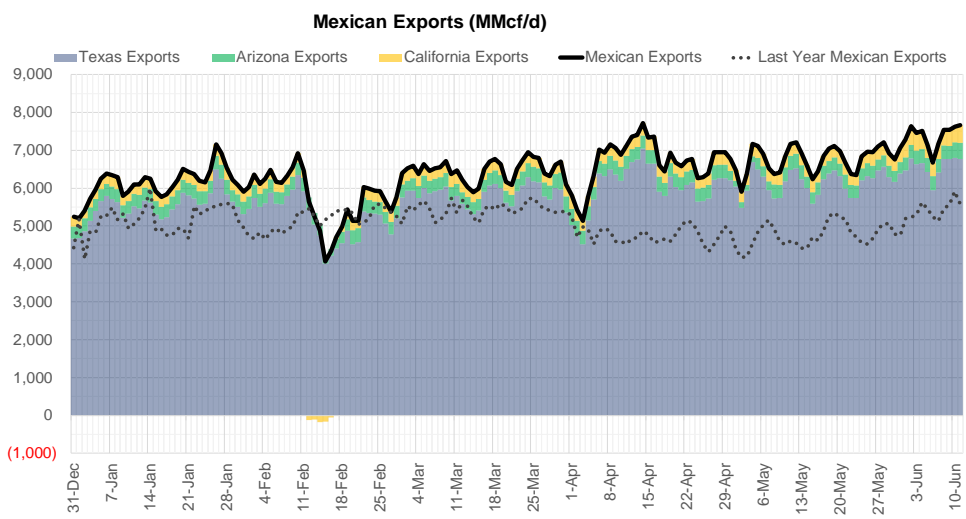
Note: this is not our official end of season forecast. This chart signifies where storage levels end with 10-year normal weather and current market tightness relative to last year



## Supply – Demand Trends



Source: Bloomberg



Source: Bloomberg

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## Nat Gas Options Volume and Open Interest CME, ICE and Nasdaq Combined

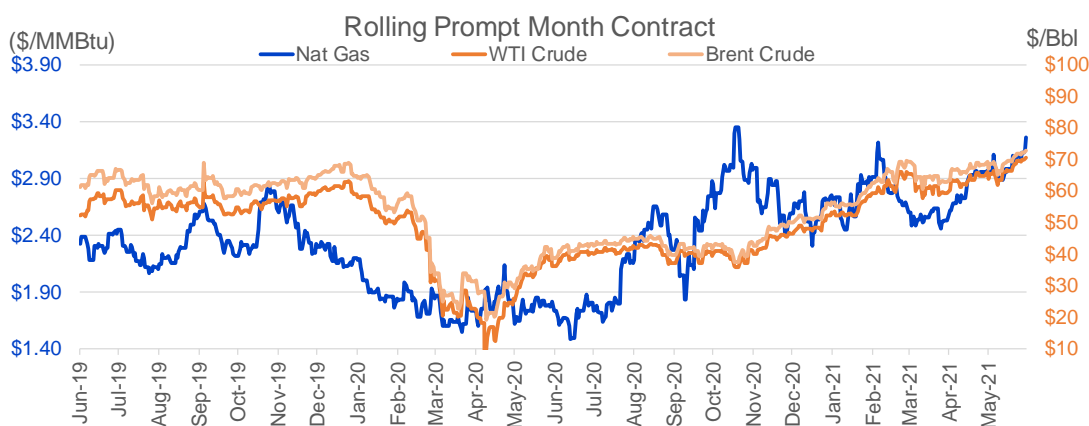
CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE VOL	CONTRACT MONTH	CONTRACT YEAR	PUT/CALL	STRIKE	CUMULATIVE OI
8	2021	P	2.90	9751	10	2021	C	4.00	41862
7	2021	P	2.80	5943	8	2021	C	3.50	41749
7	2021	P	2.90	5783	9	2021	C	4.00	35207
7	2021	P	2.75	5559	10	2021	P	2.50	31967
8	2021	C	3.50	3780	7	2021	P	2.90	30952
8	2021	P	2.75	3658	10	2021	C	3.50	30703
8	2021	C	3.25	3531	7	2021	C	3.25	30347
7	2021	P	3.00	3260	10	2021	C	3.25	29783
8	2021	C	3.75	2300	7	2021	P	2.50	28796
8	2021	P	2.70	2277	8	2021	C	3.25	28387
8	2021	P	2.80	2274	7	2021	C	3.50	27170
7	2021	P	3.15	2207	8	2021	P	2.50	26993
7	2021	C	3.75	1875	10	2021	C	5.00	26976
7	2021	C	3.50	1840	7	2021	P	2.75	26840
8	2021	P	2.50	1742	8	2021	C	4.00	26471
9	2021	C	3.75	1690	7	2021	C	4.00	26381
8	2021	P	3.15	1684	7	2021	P	3.00	25849
7	2021	C	3.25	1563	9	2021	C	3.50	25458
8	2021	P	2.60	1512	10	2021	P	2.00	23766
9	2021	C	3.50	1512	7	2021	C	3.75	23703
8	2021	C	3.70	1500	7	2021	P	2.80	23577
8	2021	C	4.00	1481	9	2021	P	2.50	23164
10	2021	P	3.15	1319	7	2021	P	2.85	22507
7	2021	C	3.35	1309	7	2021	C	3.00	22050
7	2021	C	3.30	1225	12	2021	C	4.00	20977
7	2021	P	2.85	1173	8	2021	C	3.75	20822
8	2021	P	3.00	1138	9	2021	P	2.00	20423
8	2021	C	3.20	887	8	2021	P	2.75	19800
3	2022	P	2.70	850	9	2021	C	3.25	19768
3	2022	P	2.90	850	8	2021	P	2.00	19664
3	2022	C	3.25	775	8	2021	P	2.25	19624
7	2021	C	4.00	760	4	2022	C	3.00	19548
7	2021	C	3.15	759	10	2021	C	3.00	18728
7	2021	P	3.10	752	10	2021	P	2.75	18370
1	2022	C	3.00	750	10	2021	P	2.25	17953
1	2022	C	3.25	750	11	2021	C	4.00	17728
1	2022	C	6.00	750	8	2021	P	3.00	17586
1	2022	C	8.00	750	3	2022	C	4.00	16900
2	2022	C	3.00	750	8	2021	P	2.90	16292
2	2022	C	3.25	750	8	2021	C	3.00	16060
3	2022	C	3.00	750	7	2021	P	2.00	16035
10	2021	P	2.00	735	11	2021	P	2.50	15467
8	2021	C	3.30	732	3	2022	C	3.00	15044
7	2021	P	3.05	718	7	2021	P	2.70	14945
10	2021	P	2.90	715	3	2022	C	5.00	14100
1	2022	P	3.00	650	7	2021	C	3.15	14004
10	2021	P	2.75	647	10	2021	C	6.00	13996
7	2021	C	3.20	626	12	2021	P	2.00	13884
8	2021	P	3.20	569	10	2021	C	4.50	13872
					9	2021	P	1.9	13732

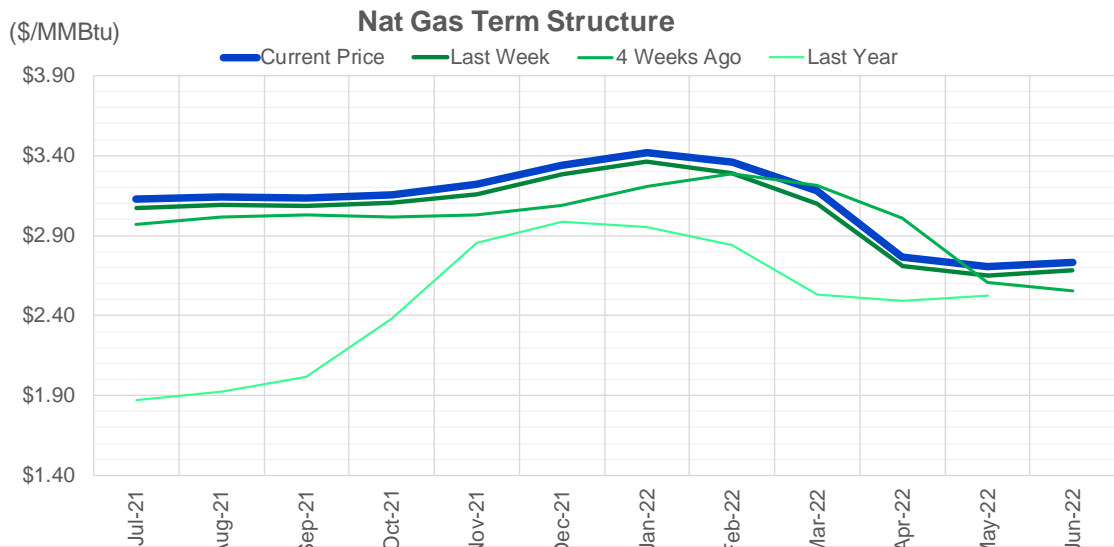
Source: CME, Nasdaq, ICE

## Nat Gas Futures Open Interest CME, ICE and Nasdaq 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
JUL 21	190793	217562	-26769	JUL 21	95782	97378	-1596
AUG 21	138026	130489	7537	AUG 21	82889	81706	1183
SEP 21	187799	172525	15274	SEP 21	83008	81713	1295
OCT 21	143719	145045	-1326	OCT 21	97052	96618	434
NOV 21	83459	82724	735	NOV 21	70898	71137	-240
DEC 21	57615	57203	412	DEC 21	67256	66983	273
JAN 22	83427	83498	-71	JAN 22	76062	75869	193
FEB 22	34327	33921	406	FEB 22	61510	61406	104
MAR 22	73020	68614	4406	MAR 22	63353	63114	239
APR 22	70946	70495	451	APR 22	54701	54589	112
MAY 22	47450	46090	1360	MAY 22	51307	51028	279
JUN 22	22114	21231	883	JUN 22	47271	46994	278
JUL 22	14636	14036	600	JUL 22	46376	46159	217
AUG 22	14062	13245	817	AUG 22	46042	45694	348
SEP 22	14265	14116	149	SEP 22	46627	46379	248
OCT 22	38349	36957	1392	OCT 22	52703	52509	194
NOV 22	14239	13832	407	NOV 22	40860	40613	248
DEC 22	11123	11147	-24	DEC 22	45284	45174	110
JAN 23	5684	5715	-31	JAN 23	24917	24890	26
FEB 23	2881	2826	55	FEB 23	22723	22707	16
MAR 23	6588	6523	65	MAR 23	25297	25250	47
APR 23	7978	7828	150	APR 23	20844	20958	-115
MAY 23	4538	4536	2	MAY 23	20452	20415	37
JUN 23	984	982	2	JUN 23	18987	18981	6
JUL 23	1683	1683	0	JUL 23	19005	18948	57
AUG 23	835	835	0	AUG 23	19071	19015	57
SEP 23	813	813	0	SEP 23	18536	18481	55
OCT 23	2243	2243	0	OCT 23	19273	19264	9
NOV 23	693	693	0	NOV 23	18511	18532	-22
DEC 23	1128	1129	-1	DEC 23	19128	19112	16

Source: CME, ICE






	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22
<b>Current Price</b>	<b>\$3.129</b>	<b>\$3.144</b>	<b>\$3.137</b>	<b>\$3.157</b>	<b>\$3.223</b>	<b>\$3.339</b>	<b>\$3.419</b>	<b>\$3.356</b>	<b>\$3.180</b>	<b>\$2.768</b>	<b>\$2.707</b>	<b>\$2.732</b>
Last Week	\$3.075	\$3.094	\$3.086	\$3.102	\$3.159	\$3.281	\$3.360	\$3.289	\$3.101	\$2.709	\$2.652	\$2.682
vs. Last Week	\$0.054	\$0.050	\$0.051	\$0.055	\$0.064	\$0.058	\$0.059	\$0.067	\$0.079	\$0.059	\$0.055	\$0.050
4 Weeks Ago	\$2.969	\$3.018	\$3.026	\$3.014	\$3.030	\$3.089	\$3.206	\$3.287	\$3.211	\$3.006	\$2.606	\$2.551
vs. 4 Weeks Ago	\$0.160	\$0.126	\$0.111	\$0.143	\$0.193	\$0.250	\$0.213	\$0.069	-\$0.031	-\$0.238	\$0.101	\$0.181
Last Year	\$1.780	\$1.870	\$1.925	\$2.018	\$2.382	\$2.852	\$2.986	\$2.953	\$2.840	\$2.530	\$2.494	\$2.525
vs. Last Year	\$1.349	\$1.274	\$1.212	\$1.139	\$0.841	\$0.487	\$0.433	\$0.403	\$0.340	\$0.238	\$0.213	\$0.207

	Units	Current Price	vs. Last Week	vs. 4 Weeks Ago	vs. Last Year
NatGas Jul21/Oct21	\$/MMBtu	0.029	▼ -0.001	▲ 0.010	▲ 0.028
NatGas Oct21/Nov21	\$/MMBtu	0.060	▼ -0.002	▼ -0.003	▲ 0.020
NatGas Oct21/Jan22	\$/MMBtu	0.250	▼ -0.019	▼ -0.015	▼ -0.017
NatGas Apr22/Oct22	\$/MMBtu	0.014	▼ -0.021	▼ -0.011	▼ -0.043
WTI Crude	\$/Bbl	70.29	▲ 1.480	▲ 6.470	▲ 33.950
Brent Crude	\$/Bbl	72.52	▲ 1.210	▲ 5.470	▲ 33.970
Fuel Oil, NY Harbour 1%	\$/Bbl	97.18	▲ 0.000	▲ 0.000	▲ 0.000
Heating Oil	cents/Gallon	214.34	▲ 4.170	▲ 14.250	▲ 105.540
Propane, Mt. Bel	cents/Gallon	0.94	▲ 0.036	▲ 0.141	▲ 0.450
Ethane, Mt. Bel	cents/Gallon	0.28	▲ 0.008	▲ 0.019	▲ 0.051
Coal, PRB	\$/MTon	12.30	▲ 0.000	▲ 0.000	▲ 0.000
Coal, PRB	\$/MMBtu	0.70			

Source: CME, Bloomberg

## Baker Hughes Rig Counts

Rotary Rig Count					
6/11/2021					
Baker Hughes 					
U.S. Breakout Information	This Week	+/-	Last Week	+/-	Year Ago
Oil	365	6	359	166	199
Gas	96	-1	97	18	78
Miscellaneous	0	0	0	-2	2
Directional	24	-1	25	2	22
Horizontal	420	5	415	174	246
Vertical	17	1	16	6	11
Canada Breakout	This Week	+/-	Last Week	+/-	Year Ago
Oil	59	16	43	52	7
Gas	34	0	34	20	14
Major Basin Variances	This Week	+/-	Last Week	+/-	Year Ago
Ardmore Woodford	2	0	2	1	1
Arkoma Woodford	1	0	1	0	1
Barnett	1	0	1	-1	2
Cana Woodford	15	0	15	10	5
DJ-Niobrara	6	0	6	1	5
Eagle Ford	33	0	33	20	13
Granite Wash	1	0	1	1	0
Haynesville	49	1	48	16	33
Marcellus	28	0	28	0	28
Permian	236	4	232	99	137
Utica	8	-2	10	-1	9
Williston	16	0	16	5	11