## **EXHIBIT 5**

## **Appalachian Natural Gas Pricing**

	NYMEX	INSIDE FERC		INSIDE		Index
	Final	тсо	тсо	FERC DTI	DTI	Difference
Month/Y ear	Settle	Appal. Index	Basis	Appal. Index	Basis	TCO-DTI
Jan-23	\$4.709	\$3.960	(\$0.749)	\$3.600	(\$1.109)	\$0.360
Feb-23	\$3.109	\$2.480	(\$0.629)	\$2.450	(\$0.659)	\$0.030
Mar-23	\$2.451	\$2.080	(\$0.371)	\$2.030	(\$0.421)	\$0.050
Apr-23	\$1.991	\$1.720	(\$0.271)	\$1.630	(\$0.361)	\$0.090
May-23	\$2.117	\$1.770	(\$0.347)	\$1.530	(\$0.587)	\$0.240
Jun-23	\$2.181	\$1.530	(\$0.651)	\$1.210	(\$0.971)	\$0.320
Jul-23						
Aug-23						
Sep-23						
Oct-23						
Nov-23						
Dec-23						
2023 AVG	\$6.644	\$5.733	(\$0.911)	\$5.587	(\$1.057)	\$0.146

Jan-22	\$4.024	\$3.300	(\$0.724)	\$3.150	(\$0.874)	\$0.150
Feb-22	\$6.265	\$5.800	(\$0.465)	\$5.700	(\$0.565)	\$0.100
Mar-22	\$4.568	\$3.920	(\$0.648)	\$3.800	(\$0.768)	\$0.120
Apr-22	\$5.336	\$4.630	(\$0.706)	\$4.470	(\$0.866)	\$0.160
May-22	\$7.267	\$6.580	(\$0.687)	\$6.390	(\$0.877)	\$0.190
Jun-22	\$8.908	\$8.140	(\$0.768)	\$7.930	(\$0.978)	\$0.210

Jul-22    \$6.551    \$5.720    (\$0.831)    \$5.690    (\$0.861)    \$0.303      Aug-22    \$8.687    \$7.870    (\$0.817)    \$7.760    (\$0.927)    \$0.110      Sep-22    \$9.353    \$8.030    (\$1.323)    \$7.900    (\$1.453)    \$0.130      Oct-22    \$6.668    \$4.890    (\$1.978)    \$4.540    (\$2.328)    \$0.350      Nov-22    \$5.186    \$4.020    (\$1.166)    \$3.800    (\$1.366)    \$0.220      2022    \$6.644    \$5.733    (\$0.911)    \$5.587    (\$1.057)    \$0.146      AVG     \$2.470    \$2.040    \$0.430)    \$1.890    \$0.560)    \$0.220      21-Jan    \$2.470    \$2.040    \$0.300    \$2.320    \$0.440)    \$0.140      21-Apr    \$2.550    \$2.120    \$0.470    \$1.910    \$0.680    \$0.210      21-Apr    \$2.2500    \$2.470    \$0.460    \$2.170    \$0.760    \$0.300      21-Jun    \$2.980    \$2.550    \$0.430    \$2.300							
Sep-22    \$9.353    \$8.030    (\$1.323)    \$7.900    (\$1.453)    \$0.130      Oct-22    \$6.868    \$4.890    (\$1.978)    \$4.540    (\$2.328)    \$0.350      Nov-22    \$5.186    \$4.020    (\$1.166)    \$3.800    (\$1.386)    \$0.220      Dec-22    \$6.644    \$5.733    (\$0.911)    \$5.587    (\$1.057)    \$0.146      AVG	Jul-22	\$6.551			\$5.690	(\$0.861)	
Oct-22    \$6.868    \$4.890    \$1.978)    \$4.540    \$2.328)    \$0.350      Nov-22    \$5.186    \$4.020    \$1.166)    \$3.800    \$1.386)    \$0.220      Dec-22    \$6.712    \$5.890    \$0.822    \$5.910    \$0.802    \$0.202      AVG    \$5.733    \$0.911    \$5.587    \$1.057)    \$0.146      AVG    \$2.470    \$2.040    \$0.300    \$2.320    \$0.440    \$0.150      21-Jan    \$2.470    \$2.040    \$0.300    \$2.320    \$0.440    \$0.140      21-Mar    \$2.850    \$2.510    \$0.340    \$2.290    \$0.560    \$0.220      21-Apr    \$2.590    \$2.120    \$0.470    \$1.910    \$0.680    \$0.210      21-Jun    \$2.980    \$2.550    \$0.430    \$2.300    \$0.680    \$0.250      21-Jul    \$3.620    \$3.020    \$0.600    \$2.900    \$0.930    \$0.300      21-Aug    \$4.040    \$3.220    \$0.820    \$2.920    \$1.120    \$0.300	Aug-22	\$8.687	\$7.870	(\$0.817)	\$7.760	(\$0.927)	\$0.110
Nov-22    \$5.186    \$4.020    \$1.166    \$3.800    \$1.386    \$0.220      Dec-22    \$6.712    \$5.890    \$0.822    \$5.910    \$0.802    \$0.020      2022    \$6.644    \$5.733    \$0.911    \$5.587    \$1.057    \$0.146      AVG     \$2.470    \$2.040    \$0.430    \$1.890    \$0.580    \$0.150      21-Jan    \$2.470    \$2.040    \$0.430    \$2.320    \$0.440    \$0.140      21-Mar    \$2.470    \$2.460    \$0.300    \$2.320    \$0.440    \$0.140      21-Mar    \$2.590    \$2.120    \$0.470    \$1.910    \$0.680    \$0.210      21-May    \$2.930    \$2.470    \$0.460    \$2.170    \$0.760    \$0.300      21-Jun    \$2.8620    \$2.550    \$0.430    \$2.300    \$0.250    \$1.100    \$0.300      21-Aug    \$4.040    \$3.220    \$0.820    \$2.690    \$0.930    \$0.300      21-Aug    \$4.040    \$3.220    \$0.600    \$2.690	Sep-22	\$9.353	\$8.030	(\$1.323)	\$7.900	(\$1.453)	\$0.130
Dec-22    \$6.712    \$5.890    (\$0.822)    \$5.910    (\$0.802)    (\$0.020)      2022    \$6.644    \$5.733    (\$0.911)    \$5.587    (\$1.057)    \$0.146      AVG    21-Jan    \$2.470    \$2.040    (\$0.430)    \$1.890    (\$0.580)    \$0.150      21-Feb    \$2.760    \$2.460    (\$0.300)    \$2.320    (\$0.440)    \$0.140      21-Mar    \$2.850    \$2.510    (\$0.340)    \$2.290    (\$0.560)    \$0.220      21-Mar    \$2.850    \$2.100    (\$0.470)    \$1.910    (\$0.680)    \$0.210      21-May    \$2.930    \$2.470    \$0.4600    \$2.170    (\$0.760)    \$0.300      21-Jul    \$3.620    \$3.020    \$0.8000    \$0.250    \$0.300    \$0.330    \$0.300      21-Sep    \$4.370    \$3.650    \$0.720    \$3.440    \$0.9300    \$0.210    \$0.210      21-Oct    \$5.840    \$4.810    \$1.300    \$4.560    \$1.120    \$0.300    \$0.210      21-Dec <th< td=""><td>Oct-22</td><td>\$6.868</td><td>\$4.890</td><td>(\$1.978)</td><td>\$4.540</td><td>(\$2.328)</td><td>\$0.350</td></th<>	Oct-22	\$6.868	\$4.890	(\$1.978)	\$4.540	(\$2.328)	\$0.350
2022    \$6.644    \$5.733    (\$0.911)    \$5.587    (\$1.057)    \$0.146      AVG    \$2.470    \$2.040    (\$0.430)    \$1.890    (\$0.580)    \$0.150      21-Feb    \$2.760    \$2.460    (\$0.300)    \$2.320    (\$0.440)    \$0.140      21-Mar    \$2.850    \$2.510    (\$0.340)    \$2.290    (\$0.560)    \$0.220      21-Apr    \$2.590    \$2.120    (\$0.470)    \$1.910    (\$0.680)    \$0.210      21-Jun    \$2.980    \$2.550    (\$0.460)    \$2.170    (\$0.760)    \$0.300      21-Jun    \$2.980    \$2.550    (\$0.460)    \$2.170    (\$0.780)    \$0.330      21-Aug    \$4.040    \$3.020    (\$0.600)    \$2.690    (\$0.930)    \$0.330      21-Aug    \$4.4040    \$3.220    (\$0.820)    \$2.920    (\$1.120)    \$0.300      21-Aug    \$4.4040    \$3.220    (\$0.820)    \$2.920    \$1.120    \$0.300      21-Nov    \$6.202    \$5.560    (\$0.720)    \$3.440	Nov-22	\$5.186	\$4.020	(\$1.166)	\$3.800	(\$1.386)	\$0.220
AVG      21-Jan    \$2.470    \$2.040    (\$0.430)    \$1.890    (\$0.580)    \$0.150      21-Feb    \$2.760    \$2.460    (\$0.300)    \$2.320    (\$0.440)    \$0.140      21-Mar    \$2.850    \$2.510    (\$0.340)    \$2.290    \$0.560)    \$0.220      21-Apr    \$2.590    \$2.120    (\$0.470)    \$1.910    (\$0.680)    \$0.210      21-May    \$2.930    \$2.470    (\$0.460)    \$2.170    \$0.760)    \$0.300      21-Jun    \$2.980    \$2.550    (\$0.430)    \$2.300    \$0.860)    \$0.250      21-Jul    \$3.620    \$3.020    (\$0.600)    \$2.690    \$0.300    \$0.330      21-Aug    \$4.040    \$3.220    \$0.800)    \$2.292    \$1.120)    \$0.300      21-Sep    \$4.370    \$3.650    \$0.720    \$3.440    \$0.930)    \$0.210      21-Dec    \$5.648    \$4.810    \$1.030)    \$4.560    \$1.422    \$1.000      21-Dec    \$5.068    \$4.950    \$0.118)	Dec-22	\$6.712	\$5.890	(\$0.822)	\$5.910	(\$0.802)	(\$0.020)
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	2022	\$6.644	\$5.733	(\$0.911)	\$5.587	(\$1.057)	\$0.146
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	AVG						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	21-Jan	\$2.470	\$2.040	(\$0.430)	\$1.890	(\$0.580)	\$0.150
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	21-Feb	\$2.760	\$2.460	(\$0.300)	\$2.320	(\$0.440)	\$0.140
$\begin{array}{c ccccc} 21-\text{May} & \$2.930 & \$2.470 & (\$0.460) & \$2.170 & (\$0.760) & \$0.300 \\ 21-\text{Jun} & \$2.980 & \$2.550 & (\$0.430) & \$2.300 & (\$0.680) & \$0.250 \\ 21-\text{Jul} & \$3.620 & \$3.020 & (\$0.600) & \$2.690 & (\$0.930) & \$0.330 \\ 21-\text{Aug} & \$4.040 & \$3.220 & (\$0.820) & \$2.920 & (\$1.120) & \$0.300 \\ 21-\text{Sep} & \$4.370 & \$3.650 & (\$0.720) & \$3.440 & (\$0.930) & \$0.210 \\ 21-\text{Oct} & \$5.840 & \$4.810 & (\$1.030) & \$4.560 & (\$1.280) & \$0.250 \\ 21-\text{Nov} & \$6.202 & \$5.560 & (\$0.642) & \$4.560 & (\$1.642) & \$1.000 \\ 21-\text{Dec} & \$5.068 & \$4.950 & (\$0.642) & \$4.80 & (\$0.238) & \$0.120 \\ \hline 2021 & \$3.450 & \$2.890 & (\$0.560) & \$2.650 & (\$0.800) & \$0.240 \\ \text{AVG} & & & & & & & & & & & & & & & & & & &$	21-Mar	\$2.850	\$2.510	(\$0.340)	\$2.290	(\$0.560)	\$0.220
21-Jun  \$2.980  \$2.550  (\$0.430)  \$2.300  (\$0.680)  \$0.250    21-Jul  \$3.620  \$3.020  (\$0.600)  \$2.690  (\$0.930)  \$0.330    21-Aug  \$4.040  \$3.220  (\$0.820)  \$2.920  (\$1.120)  \$0.300    21-Sep  \$4.370  \$3.650  (\$0.720)  \$3.440  (\$0.930)  \$0.210    21-Oct  \$5.840  \$4.810  (\$1.030)  \$4.560  (\$1.280)  \$0.250    21-Nov  \$6.202  \$5.560  (\$0.642)  \$4.560  (\$1.642)  \$1.000    21-Dec  \$5.068  \$4.950  (\$0.118)  \$4.830  (\$0.238)  \$0.120    2021  \$3.450  \$2.890  (\$0.560)  \$2.650  (\$0.800)  \$0.900    20-Jan  \$2.160  \$1.820  \$1.530  (\$0.340)  \$1.730  (\$0.430)  \$0.090    20-Feb  \$1.880  \$1.530  (\$0.270)  \$1.460  \$0.420)  \$0.070    20-Mar  \$1.820  \$1.550  (\$0.270)  \$1.460  \$0.430)  \$0.090    20-Apr  \$1.630  \$1.340	21-Apr	\$2.590	\$2.120	(\$0.470)	\$1.910	(\$0.680)	\$0.210
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	21-May	\$2.930	\$2.470	(\$0.460)	\$2.170	(\$0.760)	\$0.300
21-Aug  \$4.040  \$3.220  (\$0.820)  \$2.920  (\$1.120)  \$0.300    21-Sep  \$4.370  \$3.650  (\$0.720)  \$3.440  (\$0.930)  \$0.210    21-Oct  \$5.840  \$4.810  (\$1.030)  \$4.560  (\$1.280)  \$0.250    21-Nov  \$6.202  \$5.560  (\$0.642)  \$4.560  (\$1.642)  \$1.000    21-Dec  \$5.068  \$4.950  (\$0.118)  \$4.830  (\$0.238)  \$0.120    2021  \$3.450  \$2.890  (\$0.560)  \$2.650  (\$0.800)  \$0.240    AVG     \$0.090  \$0.240  \$0.70    20-Jan  \$2.160  \$1.820  (\$0.340)  \$1.730  (\$0.430)  \$0.090    20-Feb  \$1.880  \$1.530  (\$0.350)  \$1.460  (\$0.420)  \$0.070    20-Mar  \$1.820  \$1.550  (\$0.270)  \$1.460  \$0.440)  \$0.150    20-May  \$1.790  \$1.590  (\$0.200)  \$1.450  \$0.340)  \$0.140    20-Jun  \$1.720  \$1.470  \$0.250  \$1.270 <td>21-Jun</td> <td>\$2.980</td> <td>\$2.550</td> <td>(\$0.430)</td> <td>\$2.300</td> <td>(\$0.680)</td> <td>\$0.250</td>	21-Jun	\$2.980	\$2.550	(\$0.430)	\$2.300	(\$0.680)	\$0.250
21-Sep  \$4.370  \$3.650  (\$0.720)  \$3.440  (\$0.930)  \$0.210    21-Oct  \$5.840  \$4.810  (\$1.030)  \$4.560  (\$1.280)  \$0.250    21-Nov  \$6.202  \$5.560  (\$0.642)  \$4.560  (\$1.642)  \$1.000    21-Dec  \$5.068  \$4.950  (\$0.118)  \$4.830  (\$0.238)  \$0.120    2021  \$3.450  \$2.890  (\$0.560)  \$2.650  (\$0.800)  \$0.240    AVG    \$1.730  (\$0.430)  \$0.090  \$0.240    20-Jan  \$2.160  \$1.820  (\$0.340)  \$1.730  (\$0.430)  \$0.090    20-Feb  \$1.880  \$1.530  (\$0.350)  \$1.460  \$0.430)  \$0.090    20-Mar  \$1.820  \$1.550  (\$0.270)  \$1.460  \$0.360)  \$0.090    20-Apr  \$1.630  \$1.340  (\$0.290)  \$1.190  \$0.440)  \$0.150    20-May  \$1.790  \$1.590  (\$0.200)  \$1.450  \$0.340)  \$0.140    20-Jun  \$1.720  \$1.470  \$0.250)  \$1	21-Jul	\$3.620	\$3.020	(\$0.600)	\$2.690	(\$0.930)	\$0.330
21-Oct  \$5.840  \$4.810  (\$1.030)  \$4.560  (\$1.280)  \$0.250    21-Nov  \$6.202  \$5.560  (\$0.642)  \$4.560  (\$1.642)  \$1.000    21-Dec  \$5.068  \$4.950  (\$0.118)  \$4.830  (\$0.238)  \$0.120    2021  \$3.450  \$2.890  (\$0.560)  \$2.650  (\$0.800)  \$0.240    AVG	21-Aug	\$4.040	\$3.220	(\$0.820)	\$2.920	(\$1.120)	\$0.300
21-Nov\$6.202\$5.560(\$0.642)\$4.560(\$1.642)\$1.00021-Dec\$5.068\$4.950(\$0.118)\$4.830(\$0.238)\$0.1202021\$3.450\$2.890(\$0.560)\$2.650(\$0.800)\$0.240AVG20-Jan\$2.160\$1.820(\$0.340)\$1.730(\$0.430)\$0.09020-Feb\$1.880\$1.530(\$0.350)\$1.460(\$0.420)\$0.07020-Mar\$1.820\$1.550(\$0.270)\$1.460(\$0.360)\$0.09020-Apr\$1.630\$1.340(\$0.290)\$1.190(\$0.440)\$0.15020-May\$1.790\$1.550(\$0.270)\$1.460(\$0.360)\$0.09020-Jun\$1.790\$1.590(\$0.200)\$1.450\$0.340)\$0.14020-Jun\$1.720\$1.470(\$0.250)\$1.270(\$0.450)\$0.20020-Jul\$1.500\$1.260(\$0.240)\$1.160(\$0.340)\$0.10020-Aug\$1.850\$1.630(\$0.220)\$1.270(\$0.450)\$0.20020-Jul\$1.500\$1.260(\$0.240)\$1.160\$0.340)\$0.10020-Aug\$1.850\$1.630(\$0.220)\$1.270(\$0.580)\$0.36020-Sep\$2.580\$1.700(\$0.880)\$1.110(\$1.470)\$0.590	21-Sep	\$4.370	\$3.650	(\$0.720)	\$3.440	(\$0.930)	\$0.210
21-Dec  \$5.068  \$4.950  (\$0.118)  \$4.830  (\$0.238)  \$0.120    2021 AVG  \$3.450  \$2.890  (\$0.560)  \$2.650  (\$0.800)  \$0.240    AVG  \$20-Jan  \$2.160  \$1.820  (\$0.340)  \$1.730  (\$0.430)  \$0.090    20-Jan  \$2.160  \$1.820  (\$0.340)  \$1.730  (\$0.430)  \$0.090    20-Feb  \$1.880  \$1.530  (\$0.350)  \$1.460  (\$0.420)  \$0.070    20-Mar  \$1.820  \$1.550  (\$0.270)  \$1.460  (\$0.360)  \$0.090    20-Apr  \$1.630  \$1.340  (\$0.290)  \$1.190  (\$0.440)  \$0.150    20-May  \$1.790  \$1.590  (\$0.200)  \$1.450  \$0.340)  \$0.140    20-Jun  \$1.720  \$1.470  (\$0.250)  \$1.270  \$0.450)  \$0.200    20-Jul  \$1.500  \$1.260  (\$0.240)  \$1.160  \$0.340)  \$0.100    20-Jul  \$1.500  \$1.260  \$0.220  \$1.270  \$0.580)  \$0.360    20-Aug  \$1.850  \$1.630 </td <td>21-Oct</td> <td>\$5.840</td> <td>\$4.810</td> <td>(\$1.030)</td> <td>\$4.560</td> <td>(\$1.280)</td> <td>\$0.250</td>	21-Oct	\$5.840	\$4.810	(\$1.030)	\$4.560	(\$1.280)	\$0.250
2021 AVG\$3.450\$2.890(\$0.560)\$2.650(\$0.800)\$0.24020-Jan 20-Feb\$2.160\$1.820(\$0.340)\$1.730(\$0.430)\$0.09020-Feb\$1.880\$1.530(\$0.350)\$1.460(\$0.420)\$0.07020-Mar\$1.820\$1.550(\$0.270)\$1.460(\$0.360)\$0.09020-Apr\$1.630\$1.340(\$0.290)\$1.190(\$0.440)\$0.15020-May\$1.790\$1.590(\$0.200)\$1.450(\$0.340)\$0.14020-Jun\$1.720\$1.470(\$0.250)\$1.270(\$0.450)\$0.20020-Jul\$1.500\$1.260(\$0.240)\$1.160(\$0.340)\$0.10020-Aug\$1.850\$1.630(\$0.220)\$1.270(\$0.580)\$0.36020-Sep\$2.580\$1.700(\$0.880)\$1.110(\$1.470)\$0.590	21-Nov	\$6.202	\$5.560	(\$0.642)	\$4.560	(\$1.642)	\$1.000
AVG      20-Jan    \$2.160    \$1.820    (\$0.340)    \$1.730    (\$0.430)    \$0.090      20-Feb    \$1.880    \$1.530    (\$0.350)    \$1.460    (\$0.420)    \$0.070      20-Mar    \$1.820    \$1.550    (\$0.270)    \$1.460    (\$0.360)    \$0.090      20-Apr    \$1.630    \$1.340    (\$0.290)    \$1.190    (\$0.440)    \$0.150      20-May    \$1.790    \$1.590    (\$0.200)    \$1.450    (\$0.340)    \$0.140      20-Jun    \$1.720    \$1.470    (\$0.250)    \$1.270    \$0.450)    \$0.200      20-Jun    \$1.720    \$1.470    (\$0.250)    \$1.270    \$0.450)    \$0.200      20-Jul    \$1.500    \$1.260    (\$0.240)    \$1.160    \$0.340)    \$0.100      20-Jug    \$1.850    \$1.630    (\$0.220)    \$1.270    \$0.580)    \$0.360      20-Aug    \$1.850    \$1.630    (\$0.220)    \$1.270    \$0.580)    \$0.360      20-Sep    \$2.580    \$1.700    \$0.880	21-Dec	\$5.068	\$4.950	(\$0.118)	\$4.830	(\$0.238)	\$0.120
20-Jan\$2.160\$1.820(\$0.340)\$1.730(\$0.430)\$0.09020-Feb\$1.880\$1.530(\$0.350)\$1.460(\$0.420)\$0.07020-Mar\$1.820\$1.550(\$0.270)\$1.460(\$0.360)\$0.09020-Apr\$1.630\$1.340(\$0.290)\$1.190(\$0.440)\$0.15020-May\$1.790\$1.590(\$0.200)\$1.450(\$0.340)\$0.14020-Jun\$1.720\$1.470(\$0.250)\$1.270(\$0.450)\$0.20020-Jul\$1.500\$1.260(\$0.240)\$1.160(\$0.340)\$0.10020-Aug\$1.850\$1.630(\$0.220)\$1.270(\$0.580)\$0.36020-Sep\$2.580\$1.700(\$0.880)\$1.110(\$1.470)\$0.590	2021	\$3.450	\$2.890	(\$0.560)	\$2.650	(\$0.800)	\$0.240
20-Feb\$1.880\$1.530(\$0.350)\$1.460(\$0.420)\$0.07020-Mar\$1.820\$1.550(\$0.270)\$1.460(\$0.360)\$0.09020-Apr\$1.630\$1.340(\$0.290)\$1.190(\$0.440)\$0.15020-May\$1.790\$1.590(\$0.200)\$1.450(\$0.340)\$0.14020-Jun\$1.720\$1.470(\$0.250)\$1.270(\$0.450)\$0.20020-Jul\$1.500\$1.260(\$0.240)\$1.160(\$0.340)\$0.10020-Aug\$1.850\$1.630(\$0.220)\$1.270(\$0.580)\$0.36020-Sep\$2.580\$1.700(\$0.880)\$1.110(\$1.470)\$0.590	AVG						
20-Feb\$1.880\$1.530(\$0.350)\$1.460(\$0.420)\$0.07020-Mar\$1.820\$1.550(\$0.270)\$1.460(\$0.360)\$0.09020-Apr\$1.630\$1.340(\$0.290)\$1.190(\$0.440)\$0.15020-May\$1.790\$1.590(\$0.200)\$1.450(\$0.340)\$0.14020-Jun\$1.720\$1.470(\$0.250)\$1.270(\$0.450)\$0.20020-Jul\$1.500\$1.260(\$0.240)\$1.160(\$0.340)\$0.10020-Aug\$1.850\$1.630(\$0.220)\$1.270(\$0.580)\$0.36020-Sep\$2.580\$1.700(\$0.880)\$1.110(\$1.470)\$0.590							
20-Mar\$1.820\$1.550\$0.270\$1.460\$0.360\$0.09020-Apr\$1.630\$1.340\$0.290\$1.190\$0.440\$0.15020-May\$1.790\$1.590\$0.200\$1.450\$0.340\$0.14020-Jun\$1.720\$1.470\$0.250\$1.270\$0.450\$0.20020-Jul\$1.500\$1.260\$0.240\$1.160\$0.340\$0.10020-Aug\$1.850\$1.630\$0.220\$1.270\$0.580\$0.36020-Sep\$2.580\$1.700\$0.880\$1.110\$1.470\$0.590	20-Jan	\$2.160	\$1.820	(\$0.340)	\$1.730	(\$0.430)	\$0.090
20-Apr\$1.630\$1.340(\$0.290)\$1.190(\$0.440)\$0.15020-May\$1.790\$1.590(\$0.200)\$1.450(\$0.340)\$0.14020-Jun\$1.720\$1.470(\$0.250)\$1.270(\$0.450)\$0.20020-Jul\$1.500\$1.260(\$0.240)\$1.160(\$0.340)\$0.10020-Aug\$1.850\$1.630(\$0.220)\$1.270(\$0.580)\$0.36020-Sep\$2.580\$1.700(\$0.880)\$1.110(\$1.470)\$0.590	20-Feb	\$1.880	\$1.530	(\$0.350)	\$1.460	(\$0.420)	\$0.070
20-May\$1.790\$1.590(\$0.200)\$1.450(\$0.340)\$0.14020-Jun\$1.720\$1.470(\$0.250)\$1.270(\$0.450)\$0.20020-Jul\$1.500\$1.260(\$0.240)\$1.160(\$0.340)\$0.10020-Aug\$1.850\$1.630(\$0.220)\$1.270(\$0.580)\$0.36020-Sep\$2.580\$1.700(\$0.880)\$1.110(\$1.470)\$0.590	20-Mar	\$1.820	\$1.550	(\$0.270)	\$1.460	(\$0.360)	\$0.090
20-Jun\$1.720\$1.470(\$0.250)\$1.270(\$0.450)\$0.20020-Jul\$1.500\$1.260(\$0.240)\$1.160(\$0.340)\$0.10020-Aug\$1.850\$1.630(\$0.220)\$1.270(\$0.580)\$0.36020-Sep\$2.580\$1.700(\$0.880)\$1.110(\$1.470)\$0.590	20-Apr	\$1.630	\$1.340	(\$0.290)	\$1.190	(\$0.440)	\$0.150
20-Jul\$1.500\$1.260(\$0.240)\$1.160(\$0.340)\$0.10020-Aug\$1.850\$1.630(\$0.220)\$1.270(\$0.580)\$0.36020-Sep\$2.580\$1.700(\$0.880)\$1.110(\$1.470)\$0.590	20-May	\$1.790	\$1.590	(\$0.200)	\$1.450	(\$0.340)	\$0.140
20-Aug\$1.850\$1.630(\$0.220)\$1.270(\$0.580)\$0.36020-Sep\$2.580\$1.700(\$0.880)\$1.110(\$1.470)\$0.590	20-Jun	\$1.720	\$1.470	(\$0.250)	\$1.270	(\$0.450)	\$0.200
20-Sep \$2.580 \$1.700 (\$0.880) \$1.110 (\$1.470) \$0.590	20-Jul	\$1.500	\$1.260	(\$0.240)	\$1.160	(\$0.340)	\$0.100
	20-Aug	\$1.850	\$1.630	(\$0.220)	\$1.270	(\$0.580)	\$0.360
20-Oct \$2.100 \$1.200 (\$0.900) \$1.000 (\$1.100) \$0.200	20-Sep	\$2.580	\$1.700	(\$0.880)	\$1.110	(\$1.470)	\$0.590
	20-Oct	\$2.100	\$1.200	(\$0.900)	\$1.000	(\$1.100)	\$0.200

20-Nov	\$3.000	\$2.250	(\$0.750)	\$1.710	(\$1.290)	\$0.540	
20-Dec	\$2.900	\$2.050	(\$0.850)	\$1.620	(\$1.280)	\$0.430	-
2020	\$2.08	\$1.62	(\$0.46)	\$1.37	(\$0.71)	\$0.25	
AVG							
19-Jan	\$3.640	\$3.400	(\$0.240)	\$3.320	(\$0.320)	\$0.080	7
19-Feb	\$2.950	\$2.740	(\$0.210)	\$2.710	(\$0.240)	\$0.030	
19-Mar	\$2.860	\$2.650	(\$0.210)	\$2.620	(\$0.240)	\$0.030	
19-Apr	\$2.710	\$2.480	(\$0.230)	\$2.430	(\$0.280)	\$0.050	
19-May	\$2.570	\$2.300	(\$0.270)	\$2.130	(\$0.440)	\$0.170	
19-Jun	\$2.630	\$2.320	(\$0.310)	\$2.170	(\$0.460)	\$0.150	
19-Jul	\$2.290	\$1.990	(\$0.300)	\$1.920	(\$0.370)	\$0.070	
19-Aug	\$2.140	\$1.870	(\$0.270)	\$1.800	(\$0.340)	\$0.070	
19-Sep	\$2.250	\$1.890	(\$0.360)	\$1.610	(\$0.640)	\$0.280	
19-Oct	\$2.430	\$1.730	(\$0.700)	\$1.350	(\$1.080)	\$0.380	
19-Nov	\$2.600	\$2.220	(\$0.380)	\$2.020	(\$0.580)	\$0.200	
19-Dec	\$2.470	\$2.130	(\$0.340)	\$2.050	(\$0.420)	\$0.080	
2019	\$2.63	\$2.31	(\$0.32)	\$2.18	(\$0.45)	\$0.13	٦
AVG	φ2.05	φ2.51	(\$0.52)	φ2.10	(\$0.43)	φ0.15	
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	NYMEX	INSIDE FERC		INSIDE FERC		Index	тсо
	Final	тсо	тсо	DTI	DTI	Difference	Demand
Month/Y	Settle	Appal. Index	Basis	Appal.	Basis	TCO-DTI	Charge
ear				Index			ona go
2002	\$3.220	\$3.410	\$0.190	\$3.410	\$0.190	\$0.000	\$0.145
AVG					φ0.190		
2003	\$5.390	\$5.650	\$0.260	\$5.950	\$0.560	(\$0.300)	\$0.145
AVG					ψ0.300		
2004	\$6.140	\$6.390	\$0.260	\$6.490	\$0.350	(\$0.100)	\$0.145
AVG					•		

2005 AVG	\$8.620	\$8.880	\$0.260	\$8.970	\$0.350	(\$0.100)	\$0.145
2006 AVG	\$7.230	\$7.480	\$0.250	\$7.550	\$0.320	(\$0.070)	\$0.145
2007 AVG	\$6.860	\$7.120	\$0.260	\$7.220	\$0.360	(\$0.100)	\$0.145
2008 AVG	\$9.040	\$9.390	\$0.350	\$9.530	\$0.490	(\$0.140)	\$0.145
2009 AVG	\$3.990	\$4.180	\$0.190	\$4.270	\$0.280	(\$0.090)	\$0.145
2010 AVG	\$4.390	\$4.540	\$0.140	\$4.590	\$0.190	(\$0.050)	\$0.195
2011 AVG	\$4.040	\$4.140	\$0.100	\$4.200	\$0.160	(\$0.060)	\$0.195
2012 AVG	\$2.790	\$2.790	\$0.000	\$2.790	\$0.000	\$0.010	\$0.195
2013 AVG	\$3.650	\$3.650	\$0.000	\$3.450	(\$0.210)	\$0.210	\$0.195
2014 AVG	\$4.420	\$4.370	(\$0.050)	\$3.280	(\$1.140)	\$1.090	\$0.195
2015 AVG	\$2.660	\$2.550	(\$0.110)	\$1.440	(\$1.220)	\$1.110	\$0.195
2016 AVG	\$2.460	\$2.320	(\$0.140)	\$1.370	(\$1.090)	\$0.950	\$0.195
2017 AVG	\$3.110	\$2.900	(\$0.210)	\$2.230	(\$0.880)	\$0.670	\$0.195
2018 AVG	\$3.090	\$2.860	(\$0.230)	\$2.570	(\$0.520)	\$0.290	\$0.195
2019 AVG	\$2.630	\$2.310	(\$0.320)	\$2.180	(\$0.450)	\$0.130	\$0.195
2020 AVG	\$2.077	\$1.616	(\$0.461)	\$1.369	(\$0.705)	\$0.247	\$0.317

2021	\$3.841	\$3.280	(\$0.561)	\$3.064	(\$0.777)	\$0.216	\$0.317
AVG					(\$0.777)		
2022	\$6.644	\$5.733	(\$0.911)	\$5.587	(\$1.057)	\$0.146	\$0.317
AVG					(\$1.057)		
2023	\$3.410	\$2.980	(\$0.430)	\$2.770	(\$0.640)	\$0.210	\$0.317
AVG							
2024	\$3.176	\$2.726	(\$0.450)	\$2.526	(\$0.650)	\$0.200	\$0.317
AVG							