



825 Rice Street  
Saint Paul, MN 55117

December 10, 2018

Darrell Nitschke, Executive Secretary  
North Dakota Public Service Commission  
State Capitol Building, Dept. 408  
600 East Boulevard  
Bismarck, ND 58505-0480

SUBJECT: Xcel Energy Gas Heating Values Report

Dear Mr. Nitschke:

Enclosed with this letter are Xcel Energy's natural gas heating value reports for November 2018 as required by N.D. Admin. Code 69-09-01-02, part 2.

If you need further information or clarification regarding the enclosed response, please contact myself at 651-229-2282.

Sincerely,

A handwritten signature in blue ink that reads 'Christopher Akins'.

Christopher Akins  
Manager Pipeline Compliance and Standards  
Xcel Energy

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

| Date/Time       | Viking Gas Transmission<br>( Fargo ) |         | Williston Basin Interstate<br>( Mapleton ) |         |
|-----------------|--------------------------------------|---------|--|---------|
|                 | Min BTU                              | Max BTU | Min BTU                                    | Max BTU |
| 11/1/2018 0:00  | 1035                                 | 1035    | 1166                                       | 1167    |
| 11/1/2018 1:00  | 1035                                 | 1036    | 1166                                       | 1167    |
| 11/1/2018 2:00  | 1036                                 | 1036    | 1166                                       | 1168    |
| 11/1/2018 3:00  | 1036                                 | 1037    | 1168                                       | 1171    |
| 11/1/2018 4:00  | 1037                                 | 1037    | 1170                                       | 1171    |
| 11/1/2018 5:00  | 1037                                 | 1037    | 1169                                       | 1170    |
| 11/1/2018 6:00  | 1037                                 | 1037    | 1169                                       | 1170    |
| 11/1/2018 7:00  | 1037                                 | 1038    | 1168                                       | 1169    |
| 11/1/2018 8:00  | 1038                                 | 1038    | 1168                                       | 1170    |
| 11/1/2018 9:00  | 1037                                 | 1038    | 1169                                       | 1170    |
| 11/1/2018 10:00 | 1037                                 | 1038    | 1169                                       | 1170    |
| 11/1/2018 11:00 | 1037                                 | 1037    | 1169                                       | 1170    |
| 11/1/2018 12:00 | 1037                                 | 1037    | 1170                                       | 1171    |
| 11/1/2018 13:00 | 1037                                 | 1037    | 1171                                       | 1171    |
| 11/1/2018 14:00 | 1037                                 | 1037    | 1171                                       | 1200    |
| 11/1/2018 15:00 | 1037                                 | 1037    | 1200                                       | 1200    |
| 11/1/2018 16:00 | 1037                                 | 1040    | 1200                                       | 1200    |
| 11/1/2018 17:00 | 1040                                 | 1041    | 1200                                       | 1200    |
| 11/1/2018 18:00 | 1041                                 | 1041    | 1200                                       | 1200    |
| 11/1/2018 19:00 | 1041                                 | 1041    | 1200                                       | 1200    |
| 11/1/2018 20:00 | 1041                                 | 1041    | 1179                                       | 1200    |
| 11/1/2018 21:00 | 1041                                 | 1042    | 1177                                       | 1179    |
| 11/1/2018 22:00 | 1042                                 | 1043    | 1175                                       | 1178    |
| 11/1/2018 23:00 | 1043                                 | 1043    | 1174                                       | 1175    |
| 11/2/2018 0:00  | 1042                                 | 1043    | 1173                                       | 1174    |
| 11/2/2018 1:00  | 1041                                 | 1042    | 1173                                       | 1174    |
| 11/2/2018 2:00  | 1041                                 | 1041    | 1173                                       | 1174    |
| 11/2/2018 3:00  | 1041                                 | 1041    | 1174                                       | 1175    |
| 11/2/2018 4:00  | 1041                                 | 1041    | 1174                                       | 1175    |
| 11/2/2018 5:00  | 1041                                 | 1042    | 1172                                       | 1174    |
| 11/2/2018 6:00  | 1042                                 | 1042    | 1173                                       | 1174    |
| 11/2/2018 7:00  | 1042                                 | 1042    | 1173                                       | 1173    |
| 11/2/2018 8:00  | 1037                                 | 1042    | 1172                                       | 1173    |
| 11/2/2018 9:00  | 1036                                 | 1037    | 1173                                       | 1173    |
| 11/2/2018 10:00 | 1035                                 | 1036    | 1173                                       | 1174    |
| 11/2/2018 11:00 | 1034                                 | 1035    | 1172                                       | 1173    |
| 11/2/2018 12:00 | 1034                                 | 1035    | 1172                                       | 1173    |
| 11/2/2018 13:00 | 1035                                 | 1035    | 1173                                       | 1173    |
| 11/2/2018 14:00 | 1034                                 | 1035    | 1172                                       | 1173    |
| 11/2/2018 15:00 | 1034                                 | 1034    | 1172                                       | 1172    |
| 11/2/2018 16:00 | 1034                                 | 1034    | 1172                                       | 1173    |
| 11/2/2018 17:00 | 1033                                 | 1034    | 1172                                       | 1173    |
| 11/2/2018 18:00 | 1033                                 | 1033    | 1172                                       | 1173    |
| 11/2/2018 19:00 | 1033                                 | 1033    | 1170                                       | 1173    |
| 11/2/2018 20:00 | 1033                                 | 1033    | 1171                                       | 1171    |
| 11/2/2018 21:00 | 1033                                 | 1033    | 1171                                       | 1176    |
| 11/2/2018 22:00 | 1033                                 | 1033    | 1174                                       | 1176    |
| 11/2/2018 23:00 | 1032                                 | 1033    | 1174                                       | 1175    |
| 11/3/2018 0:00  | 1032                                 | 1032    | 1174                                       | 1174    |
| 11/3/2018 1:00  | 1032                                 | 1032    | 1173                                       | 1174    |
| 11/3/2018 2:00  | 1032                                 | 1033    | 1173                                       | 1173    |
| 11/3/2018 3:00  | 1033                                 | 1034    | 1171                                       | 1173    |
| 11/3/2018 4:00  | 1034                                 | 1034    | 1171                                       | 1175    |
| 11/3/2018 5:00  | 1033                                 | 1034    | 1175                                       | 1177    |
| 11/3/2018 6:00  | 1033                                 | 1033    | 1173                                       | 1175    |
| 11/3/2018 7:00  | 1033                                 | 1033    | 1172                                       | 1173    |
| 11/3/2018 8:00  | 1033                                 | 1033    | 1172                                       | 1173    |
| 11/3/2018 9:00  | 1033                                 | 1033    | 1172                                       | 1174    |
| 11/3/2018 10:00 | 1033                                 | 1033    | 1172                                       | 1172    |
| 11/3/2018 11:00 | 1031                                 | 1033    | 1172                                       | 1173    |
| 11/3/2018 12:00 | 1031                                 | 1031    | 1173                                       | 1174    |
| 11/3/2018 13:00 | 1031                                 | 1031    | 1174                                       | 1176    |
| 11/3/2018 14:00 | 1031                                 | 1032    | 1175                                       | 1176    |
| 11/3/2018 15:00 | 1032                                 | 1032    | 1175                                       | 1175    |
| 11/3/2018 16:00 | 1032                                 | 1033    | 1173                                       | 1175    |
| 11/3/2018 17:00 | 1032                                 | 1033    | 1172                                       | 1173    |
| 11/3/2018 18:00 | 1032                                 | 1032    | 1172                                       | 1173    |
| 11/3/2018 19:00 | 1031                                 | 1032    | 1173                                       | 1173    |
| 11/3/2018 20:00 | 1031                                 | 1031    | 1173                                       | 1176    |
| 11/3/2018 21:00 | 1031                                 | 1031    | 1176                                       | 1177    |
| 11/3/2018 22:00 | 1031                                 | 1032    | 1175                                       | 1176    |
| 11/3/2018 23:00 | 1032                                 | 1034    | 1175                                       | 1175    |

| Date/Time       | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|-----------------|------------------------------------|---------|--|---------|
|                 | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 11/4/2018 0:00  | 1034                               | 1035    | 1175                                     | 1176    |
| 11/4/2018 1:00  | 1034                               | 1035    | 1176                                     | 1177    |
| 11/4/2018 2:00  | 1033                               | 1034    | 1177                                     | 1177    |
| 11/4/2018 3:00  | 1033                               | 1033    | 1176                                     | 1179    |
| 11/4/2018 4:00  | 1033                               | 1033    | 1175                                     | 1179    |
| 11/4/2018 5:00  | 1033                               | 1033    | 1174                                     | 1175    |
| 11/4/2018 6:00  | 1032                               | 1033    | 1174                                     | 1175    |
| 11/4/2018 7:00  | 1032                               | 1032    | 1175                                     | 1176    |
| 11/4/2018 8:00  | 1032                               | 1032    | 1176                                     | 1176    |
| 11/4/2018 9:00  | 1032                               | 1032    | 1176                                     | 1177    |
| 11/4/2018 10:00 | 1032                               | 1032    | 1175                                     | 1176    |
| 11/4/2018 11:00 | 1032                               | 1032    | 1175                                     | 1176    |
| 11/4/2018 12:00 | 1032                               | 1032    | 1175                                     | 1177    |
| 11/4/2018 13:00 | 1032                               | 1032    | 1177                                     | 1178    |
| 11/4/2018 14:00 | 1032                               | 1032    | 1177                                     | 1178    |
| 11/4/2018 15:00 | 1031                               | 1032    | 1177                                     | 1178    |
| 11/4/2018 16:00 | 1031                               | 1031    | 1175                                     | 1177    |
| 11/4/2018 17:00 | 1030                               | 1031    | 1175                                     | 1175    |
| 11/4/2018 18:00 | 1030                               | 1030    | 1174                                     | 1175    |
| 11/4/2018 19:00 | 1030                               | 1030    | 1175                                     | 1177    |
| 11/4/2018 20:00 | 1029                               | 1030    | 1177                                     | 1179    |
| 11/4/2018 21:00 | 1028                               | 1029    | 1177                                     | 1179    |
| 11/4/2018 22:00 | 1027                               | 1028    | 1178                                     | 1181    |
| 11/4/2018 23:00 | 1027                               | 1027    | 1179                                     | 1180    |
| 11/5/2018 0:00  | 1027                               | 1027    | 1176                                     | 1179    |
| 11/5/2018 1:00  | 1027                               | 1027    | 1176                                     | 1179    |
| 11/5/2018 2:00  | 1027                               | 1027    | 1178                                     | 1179    |
| 11/5/2018 3:00  | 1027                               | 1027    | 1178                                     | 1179    |
| 11/5/2018 4:00  | 1027                               | 1027    | 1178                                     | 1178    |
| 11/5/2018 5:00  | 1027                               | 1027    | 1178                                     | 1178    |
| 11/5/2018 6:00  | 1027                               | 1027    | 1178                                     | 1178    |
| 11/5/2018 7:00  | 1027                               | 1027    | 1178                                     | 1180    |
| 11/5/2018 8:00  | 1027                               | 1027    | 1179                                     | 1180    |
| 11/5/2018 9:00  | 1027                               | 1027    | 1180                                     | 1181    |
| 11/5/2018 10:00 | 1027                               | 1027    | 1179                                     | 1180    |
| 11/5/2018 11:00 | 1027                               | 1027    | 1179                                     | 1179    |
| 11/5/2018 12:00 | 1027                               | 1028    | 1179                                     | 1181    |
| 11/5/2018 13:00 | 1028                               | 1028    | 1181                                     | 1181    |
| 11/5/2018 14:00 | 1028                               | 1028    | 1181                                     | 1182    |
| 11/5/2018 15:00 | 1028                               | 1028    | 1178                                     | 1182    |
| 11/5/2018 16:00 | 1028                               | 1028    | 1175                                     | 1179    |
| 11/5/2018 17:00 | 1028                               | 1028    | 1175                                     | 1175    |
| 11/5/2018 18:00 | 1028                               | 1028    | 1174                                     | 1175    |
| 11/5/2018 19:00 | 1028                               | 1028    | 1174                                     | 1174    |
| 11/5/2018 20:00 | 1028                               | 1028    | 1173                                     | 1174    |
| 11/5/2018 21:00 | 1028                               | 1028    | 1173                                     | 1175    |
| 11/5/2018 22:00 | 1027                               | 1028    | 1174                                     | 1175    |
| 11/5/2018 23:00 | 1027                               | 1027    | 1175                                     | 1176    |
| 11/6/2018 0:00  | 1027                               | 1027    | 1175                                     | 1176    |
| 11/6/2018 1:00  | 1027                               | 1028    | 1175                                     | 1175    |
| 11/6/2018 2:00  | 1028                               | 1028    | 1173                                     | 1175    |
| 11/6/2018 3:00  | 1028                               | 1028    | 1173                                     | 1174    |
| 11/6/2018 4:00  | 1028                               | 1030    | 1173                                     | 1174    |
| 11/6/2018 5:00  | 1030                               | 1031    | 1171                                     | 1173    |
| 11/6/2018 6:00  | 1031                               | 1032    | 1169                                     | 1172    |
| 11/6/2018 7:00  | 1032                               | 1032    | 1155                                     | 1169    |
| 11/6/2018 8:00  | 1032                               | 1032    | 1156                                     | 1160    |
| 11/6/2018 9:00  | 1031                               | 1032    | 1160                                     | 1168    |
| 11/6/2018 10:00 | 1026                               | 1031    | 1168                                     | 1172    |
| 11/6/2018 11:00 | 1026                               | 1026    | 1172                                     | 1173    |
| 11/6/2018 12:00 | 1026                               | 1027    | 1173                                     | 1173    |
| 11/6/2018 13:00 | 1027                               | 1027    | 1173                                     | 1173    |
| 11/6/2018 14:00 | 1027                               | 1027    | 1173                                     | 1175    |
| 11/6/2018 15:00 | 1027                               | 1027    | 1174                                     | 1175    |
| 11/6/2018 16:00 | 1027                               | 1027    | 1172                                     | 1174    |
| 11/6/2018 17:00 | 1027                               | 1027    | 1172                                     | 1175    |
| 11/6/2018 18:00 | 1026                               | 1027    | 1172                                     | 1175    |
| 11/6/2018 19:00 | 1026                               | 1026    | 1172                                     | 1175    |
| 11/6/2018 20:00 | 1026                               | 1026    | 1175                                     | 1175    |
| 11/6/2018 21:00 | 1026                               | 1026    | 1173                                     | 1177    |
| 11/6/2018 22:00 | 1026                               | 1026    | 1173                                     | 1175    |
| 11/6/2018 23:00 | 1026                               | 1027    | 1175                                     | 1175    |
| 11/7/2018 0:00  | 1026                               | 1027    | 1173                                     | 1175    |
| 11/7/2018 1:00  | 1026                               | 1026    | 1173                                     | 1173    |
| 11/7/2018 2:00  | 1026                               | 1027    | 1173                                     | 1173    |
| 11/7/2018 3:00  | 1027                               | 1028    | 1171                                     | 1173    |
| 11/7/2018 4:00  | 1027                               | 1028    | 1171                                     | 1172    |
| 11/7/2018 5:00  | 1027                               | 1027    | 1171                                     | 1171    |
| 11/7/2018 6:00  | 1027                               | 1027    | 1171                                     | 1171    |

| Date/Time        | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|------------------|------------------------------------|---------|--|---------|
|                  | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 11/7/2018 7:00   | 1027                               | 1027    | 1170                                     | 1171    |
| 11/7/2018 8:00   | 1027                               | 1027    | 1169                                     | 1170    |
| 11/7/2018 9:00   | 1026                               | 1027    | 1168                                     | 1169    |
| 11/7/2018 10:00  | 1025                               | 1026    | 1167                                     | 1168    |
| 11/7/2018 11:00  | 1024                               | 1025    | 1166                                     | 1167    |
| 11/7/2018 12:00  | 1024                               | 1024    | 1166                                     | 1168    |
| 11/7/2018 13:00  | 1024                               | 1024    | 1168                                     | 1169    |
| 11/7/2018 14:00  | 1024                               | 1024    | 1169                                     | 1169    |
| 11/7/2018 15:00  | 1024                               | 1024    | 1169                                     | 1170    |
| 11/7/2018 16:00  | 1024                               | 1024    | 1170                                     | 1171    |
| 11/7/2018 17:00  | 1023                               | 1024    | 1171                                     | 1171    |
| 11/7/2018 18:00  | 1023                               | 1023    | 1170                                     | 1171    |
| 11/7/2018 19:00  | 1022                               | 1023    | 1169                                     | 1170    |
| 11/7/2018 20:00  | 1022                               | 1022    | 1169                                     | 1169    |
| 11/7/2018 21:00  | 1021                               | 1022    | 1169                                     | 1169    |
| 11/7/2018 22:00  | 1021                               | 1021    | 1169                                     | 1169    |
| 11/7/2018 23:00  | 1021                               | 1021    | 1165                                     | 1169    |
| 11/8/2018 0:00   | 1021                               | 1022    | 1164                                     | 1165    |
| 11/8/2018 1:00   | 1021                               | 1022    | 1164                                     | 1165    |
| 11/8/2018 2:00   | 1021                               | 1021    | 1165                                     | 1166    |
| 11/8/2018 3:00   | 1021                               | 1021    | 1166                                     | 1168    |
| 11/8/2018 4:00   | 1021                               | 1021    | 1168                                     | 1170    |
| 11/8/2018 5:00   | 1021                               | 1021    | 1170                                     | 1171    |
| 11/8/2018 6:00   | 1021                               | 1021    | 1170                                     | 1171    |
| 11/8/2018 7:00   | 1021                               | 1021    | 1170                                     | 1171    |
| 11/8/2018 8:00   | 1021                               | 1021    | 1170                                     | 1171    |
| 11/8/2018 9:00   | 1020                               | 1021    | 1170                                     | 1170    |
| 11/8/2018 10:00  | 1020                               | 1020    | 1170                                     | 1170    |
| 11/8/2018 11:00  | 1020                               | 1020    | 1170                                     | 1170    |
| 11/8/2018 12:00  | 1020                               | 1020    | 1170                                     | 1170    |
| 11/8/2018 13:00  | 1020                               | 1020    | 1170                                     | 1170    |
| 11/8/2018 14:00  | 1020                               | 1020    | 1170                                     | 1170    |
| 11/8/2018 15:00  | 1019                               | 1020    | 1167                                     | 1170    |
| 11/8/2018 16:00  | 1019                               | 1020    | 1167                                     | 1169    |
| 11/8/2018 17:00  | 1020                               | 1020    | 1169                                     | 1170    |
| 11/8/2018 18:00  | 1020                               | 1020    | 1170                                     | 1171    |
| 11/8/2018 19:00  | 1020                               | 1020    | 1171                                     | 1172    |
| 11/8/2018 20:00  | 1020                               | 1020    | 1170                                     | 1171    |
| 11/8/2018 21:00  | 1020                               | 1020    | 1170                                     | 1171    |
| 11/8/2018 22:00  | 1020                               | 1020    | 1171                                     | 1173    |
| 11/8/2018 23:00  | 1019                               | 1020    | 1168                                     | 1173    |
| 11/9/2018 0:00   | 1019                               | 1019    | 1167                                     | 1169    |
| 11/9/2018 1:00   | 1019                               | 1019    | 1169                                     | 1176    |
| 11/9/2018 2:00   | 1019                               | 1020    | 1175                                     | 1178    |
| 11/9/2018 3:00   | 1020                               | 1020    | 1169                                     | 1175    |
| 11/9/2018 4:00   | 1019                               | 1020    | 1169                                     | 1173    |
| 11/9/2018 5:00   | 1019                               | 1019    | 1173                                     | 1174    |
| 11/9/2018 6:00   | 1019                               | 1019    | 1173                                     | 1174    |
| 11/9/2018 7:00   | 1019                               | 1019    | 1173                                     | 1173    |
| 11/9/2018 8:00   | 1019                               | 1020    | 1171                                     | 1173    |
| 11/9/2018 9:00   | 1020                               | 1020    | 1170                                     | 1171    |
| 11/9/2018 10:00  | 1020                               | 1020    | 1171                                     | 1174    |
| 11/9/2018 11:00  | 1020                               | 1020    | 1172                                     | 1174    |
| 11/9/2018 12:00  | 1020                               | 1020    | 1170                                     | 1172    |
| 11/9/2018 13:00  | 1020                               | 1020    | 1168                                     | 1171    |
| 11/9/2018 14:00  | 1020                               | 1020    | 1168                                     | 1174    |
| 11/9/2018 15:00  | 1020                               | 1020    | 1174                                     | 1176    |
| 11/9/2018 16:00  | 1020                               | 1020    | 1171                                     | 1175    |
| 11/9/2018 17:00  | 1020                               | 1021    | 1169                                     | 1171    |
| 11/9/2018 18:00  | 1021                               | 1021    | 1169                                     | 1172    |
| 11/9/2018 19:00  | 1021                               | 1021    | 1171                                     | 1172    |
| 11/9/2018 20:00  | 1021                               | 1021    | 1171                                     | 1173    |
| 11/9/2018 21:00  | 1020                               | 1021    | 1171                                     | 1173    |
| 11/9/2018 22:00  | 1020                               | 1020    | 1171                                     | 1172    |
| 11/9/2018 23:00  | 1020                               | 1020    | 1171                                     | 1172    |
| 11/10/2018 0:00  | 1020                               | 1020    | 1172                                     | 1182    |
| 11/10/2018 1:00  | 1020                               | 1020    | 1179                                     | 1182    |
| 11/10/2018 2:00  | 1020                               | 1021    | 1171                                     | 1179    |
| 11/10/2018 3:00  | 1021                               | 1021    | 1171                                     | 1183    |
| 11/10/2018 4:00  | 1021                               | 1021    | 1180                                     | 1187    |
| 11/10/2018 5:00  | 1021                               | 1021    | 1178                                     | 1186    |
| 11/10/2018 6:00  | 1021                               | 1021    | 1176                                     | 1186    |
| 11/10/2018 7:00  | 1021                               | 1021    | 1171                                     | 1176    |
| 11/10/2018 8:00  | 1021                               | 1021    | 1171                                     | 1172    |
| 11/10/2018 9:00  | 1021                               | 1021    | 1172                                     | 1181    |
| 11/10/2018 10:00 | 1021                               | 1021    | 1181                                     | 1186    |
| 11/10/2018 11:00 | 1021                               | 1021    | 1186                                     | 1188    |
| 11/10/2018 12:00 | 1020                               | 1021    | 1188                                     | 1189    |
| 11/10/2018 13:00 | 1020                               | 1020    | 1189                                     | 1193    |
| 11/10/2018 14:00 | 1020                               | 1020    | 1193                                     | 1195    |

| Date/Time        | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|------------------|------------------------------------|---------|--|---------|
|                  | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 11/10/2018 15:00 | 1020                               | 1020    | 1194                                     | 1195    |
| 11/10/2018 16:00 | 1020                               | 1020    | 1194                                     | 1196    |
| 11/10/2018 17:00 | 1020                               | 1021    | 1196                                     | 1197    |
| 11/10/2018 18:00 | 1021                               | 1021    | 1194                                     | 1196    |
| 11/10/2018 19:00 | 1021                               | 1021    | 1194                                     | 1197    |
| 11/10/2018 20:00 | 1021                               | 1021    | 1193                                     | 1197    |
| 11/10/2018 21:00 | 1021                               | 1021    | 1189                                     | 1193    |
| 11/10/2018 22:00 | 1021                               | 1021    | 1190                                     | 1200    |
| 11/10/2018 23:00 | 1021                               | 1021    | 1200                                     | 1200    |
| 11/11/2018 0:00  | 1021                               | 1021    | 1199                                     | 1200    |
| 11/11/2018 1:00  | 1021                               | 1022    | 1195                                     | 1199    |
| 11/11/2018 2:00  | 1022                               | 1022    | 1194                                     | 1195    |
| 11/11/2018 3:00  | 1021                               | 1022    | 1194                                     | 1195    |
| 11/11/2018 4:00  | 1021                               | 1021    | 1191                                     | 1194    |
| 11/11/2018 5:00  | 1021                               | 1021    | 1186                                     | 1193    |
| 11/11/2018 6:00  | 1021                               | 1021    | 1185                                     | 1186    |
| 11/11/2018 7:00  | 1021                               | 1021    | 1186                                     | 1187    |
| 11/11/2018 8:00  | 1021                               | 1021    | 1187                                     | 1188    |
| 11/11/2018 9:00  | 1021                               | 1021    | 1188                                     | 1190    |
| 11/11/2018 10:00 | 1021                               | 1021    | 1190                                     | 1190    |
| 11/11/2018 11:00 | 1021                               | 1022    | 1190                                     | 1191    |
| 11/11/2018 12:00 | 1022                               | 1022    | 1191                                     | 1192    |
| 11/11/2018 13:00 | 1022                               | 1022    | 1192                                     | 1194    |
| 11/11/2018 14:00 | 1022                               | 1022    | 1193                                     | 1194    |
| 11/11/2018 15:00 | 1022                               | 1023    | 1193                                     | 1194    |
| 11/11/2018 16:00 | 1023                               | 1023    | 1194                                     | 1195    |
| 11/11/2018 17:00 | 1023                               | 1023    | 1194                                     | 1195    |
| 11/11/2018 18:00 | 1023                               | 1023    | 1193                                     | 1195    |
| 11/11/2018 19:00 | 1022                               | 1023    | 1190                                     | 1193    |
| 11/11/2018 20:00 | 1022                               | 1022    | 1184                                     | 1190    |
| 11/11/2018 21:00 | 1021                               | 1022    | 1186                                     | 1188    |
| 11/11/2018 22:00 | 1021                               | 1021    | 1186                                     | 1188    |
| 11/11/2018 23:00 | 1021                               | 1021    | 1184                                     | 1186    |
| 11/12/2018 0:00  | 1021                               | 1022    | 1181                                     | 1184    |
| 11/12/2018 1:00  | 1022                               | 1022    | 1180                                     | 1182    |
| 11/12/2018 2:00  | 1022                               | 1022    | 1182                                     | 1184    |
| 11/12/2018 3:00  | 1022                               | 1022    | 1184                                     | 1185    |
| 11/12/2018 4:00  | 1022                               | 1022    | 1183                                     | 1184    |
| 11/12/2018 5:00  | 1022                               | 1022    | 1183                                     | 1186    |
| 11/12/2018 6:00  | 1022                               | 1022    | 1186                                     | 1187    |
| 11/12/2018 7:00  | 1022                               | 1022    | 1187                                     | 1188    |
| 11/12/2018 8:00  | 1022                               | 1022    | 1188                                     | 1188    |
| 11/12/2018 9:00  | 1022                               | 1022    | 1188                                     | 1189    |
| 11/12/2018 10:00 | 1022                               | 1023    | 1189                                     | 1190    |
| 11/12/2018 11:00 | 1023                               | 1023    | 1188                                     | 1190    |
| 11/12/2018 12:00 | 1023                               | 1023    | 1190                                     | 1193    |
| 11/12/2018 13:00 | 1023                               | 1023    | 1193                                     | 1193    |
| 11/12/2018 14:00 | 1023                               | 1023    | 1192                                     | 1193    |
| 11/12/2018 15:00 | 1022                               | 1023    | 1192                                     | 1192    |
| 11/12/2018 16:00 | 1022                               | 1022    | 1190                                     | 1192    |
| 11/12/2018 17:00 | 1022                               | 1022    | 1186                                     | 1190    |
| 11/12/2018 18:00 | 1021                               | 1022    | 1186                                     | 1189    |
| 11/12/2018 19:00 | 1021                               | 1021    | 1184                                     | 1190    |
| 11/12/2018 20:00 | 1021                               | 1021    | 1181                                     | 1184    |
| 11/12/2018 21:00 | 1021                               | 1022    | 1178                                     | 1181    |
| 11/12/2018 22:00 | 1022                               | 1022    | 1179                                     | 1181    |
| 11/12/2018 23:00 | 1021                               | 1022    | 1180                                     | 1181    |
| 11/13/2018 0:00  | 1021                               | 1021    | 1176                                     | 1180    |
| 11/13/2018 1:00  | 1021                               | 1022    | 1176                                     | 1179    |
| 11/13/2018 2:00  | 1022                               | 1022    | 1179                                     | 1180    |
| 11/13/2018 3:00  | 1022                               | 1022    | 1180                                     | 1182    |
| 11/13/2018 4:00  | 1022                               | 1022    | 1180                                     | 1182    |
| 11/13/2018 5:00  | 1021                               | 1022    | 1180                                     | 1180    |
| 11/13/2018 6:00  | 1021                               | 1021    | 1179                                     | 1180    |
| 11/13/2018 7:00  | 1021                               | 1021    | 1178                                     | 1179    |
| 11/13/2018 8:00  | 1021                               | 1021    | 1176                                     | 1178    |
| 11/13/2018 9:00  | 1021                               | 1021    | 1176                                     | 1181    |
| 11/13/2018 10:00 | 1021                               | 1021    | 1180                                     | 1181    |
| 11/13/2018 11:00 | 1021                               | 1021    | 1181                                     | 1182    |
| 11/13/2018 12:00 | 1021                               | 1021    | 1178                                     | 1182    |
| 11/13/2018 13:00 | 1021                               | 1021    | 1178                                     | 1181    |
| 11/13/2018 14:00 | 1021                               | 1021    | 1176                                     | 1182    |
| 11/13/2018 15:00 | 1021                               | 1021    | 1176                                     | 1177    |
| 11/13/2018 16:00 | 1021                               | 1021    | 1176                                     | 1179    |
| 11/13/2018 17:00 | 1021                               | 1022    | 1178                                     | 1179    |
| 11/13/2018 18:00 | 1022                               | 1022    | 1179                                     | 1179    |
| 11/13/2018 19:00 | 1022                               | 1022    | 1178                                     | 1179    |
| 11/13/2018 20:00 | 1022                               | 1022    | 1177                                     | 1178    |
| 11/13/2018 21:00 | 1022                               | 1022    | 1176                                     | 1177    |
| 11/13/2018 22:00 | 1022                               | 1022    | 1176                                     | 1178    |

| Date/Time        | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|------------------|------------------------------------|---------|--|---------|
|                  | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 11/13/2018 23:00 | 1022                               | 1022    | 1177                                     | 1178    |
| 11/14/2018 0:00  | 1022                               | 1022    | 1177                                     | 1178    |
| 11/14/2018 1:00  | 1022                               | 1022    | 1176                                     | 1177    |
| 11/14/2018 2:00  | 1022                               | 1022    | 1172                                     | 1176    |
| 11/14/2018 3:00  | 1022                               | 1022    | 1172                                     | 1174    |
| 11/14/2018 4:00  | 1022                               | 1022    | 1173                                     | 1174    |
| 11/14/2018 5:00  | 1022                               | 1022    | 1173                                     | 1174    |
| 11/14/2018 6:00  | 1022                               | 1022    | 1173                                     | 1174    |
| 11/14/2018 7:00  | 1022                               | 1022    | 1172                                     | 1174    |
| 11/14/2018 8:00  | 1022                               | 1022    | 1174                                     | 1178    |
| 11/14/2018 9:00  | 1022                               | 1022    | 1178                                     | 1179    |
| 11/14/2018 10:00 | 1022                               | 1022    | 1179                                     | 1180    |
| 11/14/2018 11:00 | 1022                               | 1022    | 1179                                     | 1179    |
| 11/14/2018 12:00 | 1022                               | 1022    | 1179                                     | 1180    |
| 11/14/2018 13:00 | 1022                               | 1022    | 1180                                     | 1181    |
| 11/14/2018 14:00 | 1022                               | 1022    | 1181                                     | 1181    |
| 11/14/2018 15:00 | 1022                               | 1022    | 1180                                     | 1181    |
| 11/14/2018 16:00 | 1022                               | 1022    | 1178                                     | 1182    |
| 11/14/2018 17:00 | 1022                               | 1022    | 1021                                     | 1179    |
| 11/14/2018 18:00 | 1022                               | 1022    | 1021                                     | 1022    |
| 11/14/2018 19:00 | 1022                               | 1022    | 1021                                     | 1021    |
| 11/14/2018 20:00 | 1022                               | 1022    | 1021                                     | 1021    |
| 11/14/2018 21:00 | 1022                               | 1022    | 1021                                     | 1021    |
| 11/14/2018 22:00 | 1022                               | 1022    | 1021                                     | 1021    |
| 11/14/2018 23:00 | 1021                               | 1022    | 1021                                     | 1021    |
| 11/15/2018 0:00  | 1021                               | 1021    | 1020                                     | 1021    |
| 11/15/2018 1:00  | 1021                               | 1021    | 1020                                     | 1021    |
| 11/15/2018 2:00  | 1021                               | 1021    | 1020                                     | 1020    |
| 11/15/2018 3:00  | 1021                               | 1021    | 1020                                     | 1020    |
| 11/15/2018 4:00  | 1021                               | 1021    | 1020                                     | 1020    |
| 11/15/2018 5:00  | 1021                               | 1021    | 1020                                     | 1020    |
| 11/15/2018 6:00  | 1021                               | 1021    | 1020                                     | 1020    |
| 11/15/2018 7:00  | 1021                               | 1021    | 1020                                     | 1020    |
| 11/15/2018 8:00  | 1020                               | 1021    | 1020                                     | 1020    |
| 11/15/2018 9:00  | 1020                               | 1020    | 1020                                     | 1020    |
| 11/15/2018 10:00 | 1020                               | 1020    | 1020                                     | 1021    |
| 11/15/2018 11:00 | 1020                               | 1020    | 1021                                     | 1021    |
| 11/15/2018 12:00 | 1020                               | 1020    | 1021                                     | 1021    |
| 11/15/2018 13:00 | 1020                               | 1020    | 1021                                     | 1021    |
| 11/15/2018 14:00 | 1020                               | 1020    | 1021                                     | 1021    |
| 11/15/2018 15:00 | 1020                               | 1020    | 1021                                     | 1021    |
| 11/15/2018 16:00 | 1020                               | 1020    | 1021                                     | 1021    |
| 11/15/2018 17:00 | 1020                               | 1020    | 1021                                     | 1021    |
| 11/15/2018 18:00 | 1020                               | 1021    | 1021                                     | 1021    |
| 11/15/2018 19:00 | 1021                               | 1021    | 1020                                     | 1021    |
| 11/15/2018 20:00 | 1021                               | 1021    | 1021                                     | 1021    |
| 11/15/2018 21:00 | 1021                               | 1021    | 1021                                     | 1021    |
| 11/15/2018 22:00 | 1021                               | 1021    | 1021                                     | 1021    |
| 11/15/2018 23:00 | 1021                               | 1021    | 1021                                     | 1021    |
| 11/16/2018 0:00  | 1021                               | 1021    | 1021                                     | 1021    |
| 11/16/2018 1:00  | 1021                               | 1021    | 1021                                     | 1022    |
| 11/16/2018 2:00  | 1021                               | 1021    | 1022                                     | 1022    |
| 11/16/2018 3:00  | 1021                               | 1021    | 1022                                     | 1022    |
| 11/16/2018 4:00  | 1021                               | 1021    | 1022                                     | 1022    |
| 11/16/2018 5:00  | 1021                               | 1021    | 1022                                     | 1022    |
| 11/16/2018 6:00  | 1021                               | 1021    | 1022                                     | 1022    |
| 11/16/2018 7:00  | 1021                               | 1021    | 1022                                     | 1022    |
| 11/16/2018 8:00  | 1021                               | 1021    | 1022                                     | 1022    |
| 11/16/2018 9:00  | 1021                               | 1021    | 1022                                     | 1022    |
| 11/16/2018 10:00 | 1021                               | 1021    | 1021                                     | 1022    |
| 11/16/2018 11:00 | 1021                               | 1022    | 1021                                     | 1022    |
| 11/16/2018 12:00 | 1022                               | 1022    | 1021                                     | 1021    |
| 11/16/2018 13:00 | 1022                               | 1022    | 1021                                     | 1021    |
| 11/16/2018 14:00 | 1022                               | 1022    | 1021                                     | 1021    |
| 11/16/2018 15:00 | 1022                               | 1022    | 1020                                     | 1021    |
| 11/16/2018 16:00 | 1022                               | 1022    | 1020                                     | 1020    |
| 11/16/2018 17:00 | 1022                               | 1022    | 1020                                     | 1020    |
| 11/16/2018 18:00 | 1022                               | 1022    | 1020                                     | 1020    |
| 11/16/2018 19:00 | 1021                               | 1022    | 1020                                     | 1021    |
| 11/16/2018 20:00 | 1021                               | 1021    | 1021                                     | 1021    |
| 11/16/2018 21:00 | 1021                               | 1021    | 1021                                     | 1021    |
| 11/16/2018 22:00 | 1021                               | 1021    | 1021                                     | 1022    |
| 11/16/2018 23:00 | 1021                               | 1021    | 1022                                     | 1022    |
| 11/17/2018 0:00  | 1021                               | 1021    | 1022                                     | 1023    |
| 11/17/2018 1:00  | 1020                               | 1021    | 1023                                     | 1023    |
| 11/17/2018 2:00  | 1020                               | 1020    | 1023                                     | 1023    |
| 11/17/2018 3:00  | 1020                               | 1020    | 1022                                     | 1023    |
| 11/17/2018 4:00  | 1020                               | 1020    | 1022                                     | 1022    |
| 11/17/2018 5:00  | 1020                               | 1021    | 1022                                     | 1022    |
| 11/17/2018 6:00  | 1021                               | 1021    | 1022                                     | 1022    |

| Date/Time        | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|------------------|------------------------------------|---------|--|---------|
|                  | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 11/17/2018 7:00  | 1021                               | 1022    | 1022                                     | 1022    |
| 11/17/2018 8:00  | 1022                               | 1022    | 1022                                     | 1023    |
| 11/17/2018 9:00  | 1022                               | 1022    | 1023                                     | 1023    |
| 11/17/2018 10:00 | 1022                               | 1022    | 1023                                     | 1023    |
| 11/17/2018 11:00 | 1022                               | 1022    | 1023                                     | 1024    |
| 11/17/2018 12:00 | 1022                               | 1023    | 1024                                     | 1024    |
| 11/17/2018 13:00 | 1023                               | 1023    | 1024                                     | 1025    |
| 11/17/2018 14:00 | 1022                               | 1023    | 1024                                     | 1025    |
| 11/17/2018 15:00 | 1022                               | 1022    | 1024                                     | 1024    |
| 11/17/2018 16:00 | 1022                               | 1022    | 1023                                     | 1024    |
| 11/17/2018 17:00 | 1022                               | 1022    | 1023                                     | 1023    |
| 11/17/2018 18:00 | 1022                               | 1022    | 1023                                     | 1023    |
| 11/17/2018 19:00 | 1022                               | 1022    | 1023                                     | 1023    |
| 11/17/2018 20:00 | 1022                               | 1023    | 1023                                     | 1023    |
| 11/17/2018 21:00 | 1023                               | 1023    | 1023                                     | 1023    |
| 11/17/2018 22:00 | 1023                               | 1024    | 1022                                     | 1023    |
| 11/17/2018 23:00 | 1024                               | 1025    | 1021                                     | 1022    |
| 11/18/2018 0:00  | 1024                               | 1025    | 1021                                     | 1021    |
| 11/18/2018 1:00  | 1023                               | 1024    | 1020                                     | 1021    |
| 11/18/2018 2:00  | 1023                               | 1023    | 1020                                     | 1022    |
| 11/18/2018 3:00  | 1023                               | 1023    | 1022                                     | 1022    |
| 11/18/2018 4:00  | 1023                               | 1023    | 1022                                     | 1022    |
| 11/18/2018 5:00  | 1023                               | 1023    | 1021                                     | 1022    |
| 11/18/2018 6:00  | 1023                               | 1023    | 1021                                     | 1021    |
| 11/18/2018 7:00  | 1022                               | 1023    | 1020                                     | 1021    |
| 11/18/2018 8:00  | 1022                               | 1022    | 1020                                     | 1020    |
| 11/18/2018 9:00  | 1021                               | 1022    | 1020                                     | 1020    |
| 11/18/2018 10:00 | 1020                               | 1021    | 1020                                     | 1020    |
| 11/18/2018 11:00 | 1020                               | 1022    | 1020                                     | 1020    |
| 11/18/2018 12:00 | 1022                               | 1022    | 1020                                     | 1021    |
| 11/18/2018 13:00 | 1021                               | 1022    | 1020                                     | 1021    |
| 11/18/2018 14:00 | 1021                               | 1021    | 1020                                     | 1021    |
| 11/18/2018 15:00 | 1021                               | 1021    | 1020                                     | 1020    |
| 11/18/2018 16:00 | 1020                               | 1021    | 1020                                     | 1020    |
| 11/18/2018 17:00 | 1020                               | 1020    | 1020                                     | 1020    |
| 11/18/2018 18:00 | 1020                               | 1020    | 1020                                     | 1020    |
| 11/18/2018 19:00 | 1020                               | 1020    | 1020                                     | 1020    |
| 11/18/2018 20:00 | 1020                               | 1020    | 1020                                     | 1020    |
| 11/18/2018 21:00 | 1020                               | 1020    | 1020                                     | 1020    |
| 11/18/2018 22:00 | 1020                               | 1020    | 1020                                     | 1020    |
| 11/18/2018 23:00 | 1020                               | 1020    | 1020                                     | 1020    |
| 11/19/2018 0:00  | 1020                               | 1020    | 1020                                     | 1020    |
| 11/19/2018 1:00  | 1020                               | 1020    | 1020                                     | 1020    |
| 11/19/2018 2:00  | 1020                               | 1020    | 1020                                     | 1020    |
| 11/19/2018 3:00  | 1020                               | 1020    | 1020                                     | 1020    |
| 11/19/2018 4:00  | 1020                               | 1020    | 1020                                     | 1020    |
| 11/19/2018 5:00  | 1020                               | 1020    | 1020                                     | 1020    |
| 11/19/2018 6:00  | 1020                               | 1020    | 1020                                     | 1020    |
| 11/19/2018 7:00  | 1020                               | 1020    | 1020                                     | 1020    |
| 11/19/2018 8:00  | 1020                               | 1020    | 1020                                     | 1020    |
| 11/19/2018 9:00  | 1020                               | 1020    | 1020                                     | 1020    |
| 11/19/2018 10:00 | 1020                               | 1020    | 1020                                     | 1020    |
| 11/19/2018 11:00 | 1020                               | 1020    | 1020                                     | 1020    |
| 11/19/2018 12:00 | 1020                               | 1020    | 1020                                     | 1021    |
| 11/19/2018 13:00 | 1020                               | 1020    | 1021                                     | 1021    |
| 11/19/2018 14:00 | 1020                               | 1020    | 1021                                     | 1021    |
| 11/19/2018 15:00 | 1020                               | 1020    | 1021                                     | 1021    |
| 11/19/2018 16:00 | 1020                               | 1020    | 1021                                     | 1022    |
| 11/19/2018 17:00 | 1020                               | 1020    | 1021                                     | 1022    |
| 11/19/2018 18:00 | 1020                               | 1020    | 1022                                     | 1022    |
| 11/19/2018 19:00 | 1020                               | 1020    | 1022                                     | 1022    |
| 11/19/2018 20:00 | 1020                               | 1020    | 1022                                     | 1022    |
| 11/19/2018 21:00 | 1020                               | 1020    | 1022                                     | 1022    |
| 11/19/2018 22:00 | 1020                               | 1021    | 1022                                     | 1022    |
| 11/19/2018 23:00 | 1021                               | 1021    | 1021                                     | 1022    |
| 11/20/2018 0:00  | 1021                               | 1021    | 1021                                     | 1021    |
| 11/20/2018 1:00  | 1021                               | 1021    | 1021                                     | 1021    |
| 11/20/2018 2:00  | 1021                               | 1021    | 1021                                     | 1021    |
| 11/20/2018 3:00  | 1021                               | 1022    | 1020                                     | 1021    |
| 11/20/2018 4:00  | 1022                               | 1022    | 1020                                     | 1020    |
| 11/20/2018 5:00  | 1022                               | 1022    | 1020                                     | 1021    |
| 11/20/2018 6:00  | 1022                               | 1022    | 1021                                     | 1021    |
| 11/20/2018 7:00  | 1022                               | 1022    | 1021                                     | 1021    |
| 11/20/2018 8:00  | 1022                               | 1022    | 1021                                     | 1021    |
| 11/20/2018 9:00  | 1021                               | 1022    | 1021                                     | 1021    |
| 11/20/2018 10:00 | 1021                               | 1021    | 1021                                     | 1021    |
| 11/20/2018 11:00 | 1021                               | 1021    | 1021                                     | 1021    |
| 11/20/2018 12:00 | 1020                               | 1021    | 1021                                     | 1022    |
| 11/20/2018 13:00 | 1020                               | 1020    | 1022                                     | 1022    |
| 11/20/2018 14:00 | 1020                               | 1020    | 1022                                     | 1023    |

| Date/Time        | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|------------------|------------------------------------|---------|--|---------|
|                  | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 11/20/2018 15:00 | 1020                               | 1021    | 1023                                     | 1023    |
| 11/20/2018 16:00 | 1021                               | 1021    | 1023                                     | 1023    |
| 11/20/2018 17:00 | 1021                               | 1021    | 1023                                     | 1024    |
| 11/20/2018 18:00 | 1021                               | 1021    | 1024                                     | 1024    |
| 11/20/2018 19:00 | 1021                               | 1021    | 1024                                     | 1025    |
| 11/20/2018 20:00 | 1021                               | 1021    | 1025                                     | 1025    |
| 11/20/2018 21:00 | 1021                               | 1021    | 1025                                     | 1025    |
| 11/20/2018 22:00 | 1021                               | 1022    | 1025                                     | 1025    |
| 11/20/2018 23:00 | 1022                               | 1022    | 1025                                     | 1025    |
| 11/21/2018 0:00  | 1022                               | 1023    | 1025                                     | 1025    |
| 11/21/2018 1:00  | 1023                               | 1023    | 1025                                     | 1025    |
| 11/21/2018 2:00  | 1023                               | 1023    | 1025                                     | 1025    |
| 11/21/2018 3:00  | 1023                               | 1024    | 1025                                     | 1025    |
| 11/21/2018 4:00  | 1024                               | 1024    | 1025                                     | 1025    |
| 11/21/2018 5:00  | 1024                               | 1025    | 1025                                     | 1025    |
| 11/21/2018 6:00  | 1025                               | 1025    | 1025                                     | 1025    |
| 11/21/2018 7:00  | 1025                               | 1025    | 1025                                     | 1025    |
| 11/21/2018 8:00  | 1025                               | 1025    | 1025                                     | 1025    |
| 11/21/2018 9:00  | 1025                               | 1025    | 1024                                     | 1025    |
| 11/21/2018 10:00 | 1025                               | 1025    | 1024                                     | 1024    |
| 11/21/2018 11:00 | 1025                               | 1025    | 1024                                     | 1024    |
| 11/21/2018 12:00 | 1025                               | 1025    | 1024                                     | 1024    |
| 11/21/2018 13:00 | 1025                               | 1025    | 1024                                     | 1024    |
| 11/21/2018 14:00 | 1025                               | 1025    | 1024                                     | 1024    |
| 11/21/2018 15:00 | 1025                               | 1025    | 1024                                     | 1024    |
| 11/21/2018 16:00 | 1025                               | 1025    | 1024                                     | 1024    |
| 11/21/2018 17:00 | 1025                               | 1025    | 1024                                     | 1024    |
| 11/21/2018 18:00 | 1025                               | 1025    | 1024                                     | 1024    |
| 11/21/2018 19:00 | 1025                               | 1025    | 1024                                     | 1024    |
| 11/21/2018 20:00 | 1024                               | 1025    | 1023                                     | 1024    |
| 11/21/2018 21:00 | 1024                               | 1024    | 1023                                     | 1023    |
| 11/21/2018 22:00 | 1024                               | 1024    | 1022                                     | 1023    |
| 11/21/2018 23:00 | 1024                               | 1024    | 1022                                     | 1023    |
| 11/22/2018 0:00  | 1024                               | 1024    | 1022                                     | 1023    |
| 11/22/2018 1:00  | 1024                               | 1024    | 1023                                     | 1023    |
| 11/22/2018 2:00  | 1024                               | 1024    | 1023                                     | 1023    |
| 11/22/2018 3:00  | 1024                               | 1024    | 1023                                     | 1023    |
| 11/22/2018 4:00  | 1023                               | 1024    | 1023                                     | 1024    |
| 11/22/2018 5:00  | 1023                               | 1023    | 1024                                     | 1024    |
| 11/22/2018 6:00  | 1023                               | 1023    | 1024                                     | 1024    |
| 11/22/2018 7:00  | 1022                               | 1023    | 1024                                     | 1024    |
| 11/22/2018 8:00  | 1022                               | 1023    | 1024                                     | 1025    |
| 11/22/2018 9:00  | 1023                               | 1023    | 1024                                     | 1024    |
| 11/22/2018 10:00 | 1023                               | 1023    | 1024                                     | 1024    |
| 11/22/2018 11:00 | 1023                               | 1023    | 1024                                     | 1024    |
| 11/22/2018 12:00 | 1022                               | 1023    | 1024                                     | 1024    |
| 11/22/2018 13:00 | 1022                               | 1022    | 1024                                     | 1024    |
| 11/22/2018 14:00 | 1022                               | 1022    | 1024                                     | 1024    |
| 11/22/2018 15:00 | 1022                               | 1023    | 1024                                     | 1024    |
| 11/22/2018 16:00 | 1023                               | 1023    | 1024                                     | 1024    |
| 11/22/2018 17:00 | 1023                               | 1023    | 1024                                     | 1027    |
| 11/22/2018 18:00 | 1023                               | 1023    | 1027                                     | 1028    |
| 11/22/2018 19:00 | 1023                               | 1023    | 1027                                     | 1028    |
| 11/22/2018 20:00 | 1023                               | 1024    | 1023                                     | 1027    |
| 11/22/2018 21:00 | 1024                               | 1024    | 1022                                     | 1023    |
| 11/22/2018 22:00 | 1024                               | 1024    | 1022                                     | 1022    |
| 11/22/2018 23:00 | 1024                               | 1024    | 1022                                     | 1022    |
| 11/23/2018 0:00  | 1024                               | 1024    | 1022                                     | 1022    |
| 11/23/2018 1:00  | 1024                               | 1024    | 1022                                     | 1022    |
| 11/23/2018 2:00  | 1024                               | 1024    | 1022                                     | 1022    |
| 11/23/2018 3:00  | 1024                               | 1024    | 1022                                     | 1022    |
| 11/23/2018 4:00  | 1024                               | 1024    | 1022                                     | 1022    |
| 11/23/2018 5:00  | 1024                               | 1027    | 1022                                     | 1022    |
| 11/23/2018 6:00  | 1027                               | 1028    | 1022                                     | 1022    |
| 11/23/2018 7:00  | 1027                               | 1028    | 1022                                     | 1023    |
| 11/23/2018 8:00  | 1025                               | 1027    | 1022                                     | 1025    |
| 11/23/2018 9:00  | 1022                               | 1025    | 1024                                     | 1025    |
| 11/23/2018 10:00 | 1022                               | 1022    | 1024                                     | 1024    |
| 11/23/2018 11:00 | 1022                               | 1022    | 1023                                     | 1024    |
| 11/23/2018 12:00 | 1022                               | 1022    | 1023                                     | 1023    |
| 11/23/2018 13:00 | 1022                               | 1022    | 1023                                     | 1023    |
| 11/23/2018 14:00 | 1022                               | 1022    | 1023                                     | 1023    |
| 11/23/2018 15:00 | 1022                               | 1022    | 1023                                     | 1023    |
| 11/23/2018 16:00 | 1022                               | 1022    | 1023                                     | 1023    |
| 11/23/2018 17:00 | 1022                               | 1022    | 1023                                     | 1023    |
| 11/23/2018 18:00 | 1022                               | 1022    | 1023                                     | 1023    |
| 11/23/2018 19:00 | 1022                               | 1022    | 1023                                     | 1023    |
| 11/23/2018 20:00 | 1022                               | 1023    | 1023                                     | 1025    |
| 11/23/2018 21:00 | 1023                               | 1025    | 1025                                     | 1026    |
| 11/23/2018 22:00 | 1024                               | 1025    | 1026                                     | 1027    |

| Date/Time        | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|------------------|------------------------------------|---------|--|---------|
|                  | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 11/23/2018 23:00 | 1023                               | 1024    | 1027                                     | 1028    |
| 11/24/2018 0:00  | 1023                               | 1023    | 1028                                     | 1029    |
| 11/24/2018 1:00  | 1023                               | 1023    | 1029                                     | 1029    |
| 11/24/2018 2:00  | 1023                               | 1023    | 1029                                     | 1030    |
| 11/24/2018 3:00  | 1023                               | 1023    | 1030                                     | 1030    |
| 11/24/2018 4:00  | 1023                               | 1023    | 1030                                     | 1030    |
| 11/24/2018 5:00  | 1023                               | 1023    | 1029                                     | 1030    |
| 11/24/2018 6:00  | 1023                               | 1023    | 1029                                     | 1029    |
| 11/24/2018 7:00  | 1023                               | 1023    | 1029                                     | 1029    |
| 11/24/2018 8:00  | 1023                               | 1023    | 1029                                     | 1030    |
| 11/24/2018 9:00  | 1023                               | 1023    | 1030                                     | 1033    |
| 11/24/2018 10:00 | 1023                               | 1023    | 1033                                     | 1036    |
| 11/24/2018 11:00 | 1023                               | 1023    | 1036                                     | 1039    |
| 11/24/2018 12:00 | 1023                               | 1023    | 1039                                     | 1040    |
| 11/24/2018 13:00 | 1023                               | 1023    | 1040                                     | 1040    |
| 11/24/2018 14:00 | 1023                               | 1023    | 1040                                     | 1040    |
| 11/24/2018 15:00 | 1023                               | 1024    | 1039                                     | 1040    |
| 11/24/2018 16:00 | 1024                               | 1026    | 1038                                     | 1039    |
| 11/24/2018 17:00 | 1026                               | 1027    | 1038                                     | 1038    |
| 11/24/2018 18:00 | 1027                               | 1028    | 1038                                     | 1038    |
| 11/24/2018 19:00 | 1028                               | 1029    | 1038                                     | 1039    |
| 11/24/2018 20:00 | 1029                               | 1029    | 1039                                     | 1040    |
| 11/24/2018 21:00 | 1029                               | 1035    | 1040                                     | 1042    |
| 11/24/2018 22:00 | 1029                               | 1039    | 1042                                     | 1042    |
| 11/24/2018 23:00 | 1039                               | 1039    | 1042                                     | 1043    |
| 11/25/2018 0:00  | 1038                               | 1039    | 1043                                     | 1044    |
| 11/25/2018 1:00  | 1038                               | 1038    | 1044                                     | 1045    |
| 11/25/2018 2:00  | 1038                               | 1039    | 1045                                     | 1045    |
| 11/25/2018 3:00  | 1039                               | 1040    | 1045                                     | 1046    |
| 11/25/2018 4:00  | 1040                               | 1041    | 1046                                     | 1046    |
| 11/25/2018 5:00  | 1041                               | 1042    | 1046                                     | 1047    |
| 11/25/2018 6:00  | 1042                               | 1042    | 1047                                     | 1048    |
| 11/25/2018 7:00  | 1042                               | 1043    | 1047                                     | 1048    |
| 11/25/2018 8:00  | 1043                               | 1043    | 1047                                     | 1047    |
| 11/25/2018 9:00  | 1043                               | 1044    | 1046                                     | 1047    |
| 11/25/2018 10:00 | 1044                               | 1045    | 1044                                     | 1046    |
| 11/25/2018 11:00 | 1045                               | 1045    | 1042                                     | 1044    |
| 11/25/2018 12:00 | 1045                               | 1046    | 1038                                     | 1042    |
| 11/25/2018 13:00 | 1046                               | 1046    | 1036                                     | 1038    |
| 11/25/2018 14:00 | 1046                               | 1047    | 1034                                     | 1036    |
| 11/25/2018 15:00 | 1047                               | 1047    | 1033                                     | 1034    |
| 11/25/2018 16:00 | 1047                               | 1047    | 1032                                     | 1033    |
| 11/25/2018 17:00 | 1046                               | 1047    | 1032                                     | 1032    |
| 11/25/2018 18:00 | 1044                               | 1046    | 1031                                     | 1032    |
| 11/25/2018 19:00 | 1043                               | 1044    | 1031                                     | 1031    |
| 11/25/2018 20:00 | 1039                               | 1043    | 1031                                     | 1031    |
| 11/25/2018 21:00 | 1037                               | 1039    | 1031                                     | 1031    |
| 11/25/2018 22:00 | 1035                               | 1037    | 1031                                     | 1031    |
| 11/25/2018 23:00 | 1034                               | 1035    | 1031                                     | 1031    |
| 11/26/2018 0:00  | 1033                               | 1034    | 1031                                     | 1031    |
| 11/26/2018 1:00  | 1032                               | 1033    | 1031                                     | 1031    |
| 11/26/2018 2:00  | 1031                               | 1032    | 1031                                     | 1031    |
| 11/26/2018 3:00  | 1031                               | 1031    | 1031                                     | 1031    |
| 11/26/2018 4:00  | 1031                               | 1031    | 1030                                     | 1031    |
| 11/26/2018 5:00  | 1031                               | 1031    | 1030                                     | 1030    |
| 11/26/2018 6:00  | 1031                               | 1031    | 1030                                     | 1030    |
| 11/26/2018 7:00  | 1030                               | 1031    | 1030                                     | 1030    |
| 11/26/2018 8:00  | 1030                               | 1031    | 1030                                     | 1030    |
| 11/26/2018 9:00  | 1030                               | 1031    | 1030                                     | 1030    |
| 11/26/2018 10:00 | 1030                               | 1031    | 1030                                     | 1030    |
| 11/26/2018 11:00 | 1031                               | 1031    | 1030                                     | 1030    |
| 11/26/2018 12:00 | 1030                               | 1031    | 1029                                     | 1030    |
| 11/26/2018 13:00 | 1030                               | 1030    | 1029                                     | 1029    |
| 11/26/2018 14:00 | 1030                               | 1030    | 1029                                     | 1029    |
| 11/26/2018 15:00 | 1030                               | 1030    | 1029                                     | 1029    |
| 11/26/2018 16:00 | 1030                               | 1030    | 1029                                     | 1029    |
| 11/26/2018 17:00 | 1030                               | 1030    | 1029                                     | 1029    |
| 11/26/2018 18:00 | 1030                               | 1030    | 1029                                     | 1029    |
| 11/26/2018 19:00 | 1030                               | 1030    | 1029                                     | 1029    |
| 11/26/2018 20:00 | 1029                               | 1030    | 1029                                     | 1029    |
| 11/26/2018 21:00 | 1029                               | 1029    | 1029                                     | 1029    |
| 11/26/2018 22:00 | 1029                               | 1029    | 1029                                     | 1029    |
| 11/26/2018 23:00 | 1029                               | 1029    | 1029                                     | 1029    |
| 11/27/2018 0:00  | 1029                               | 1029    | 1029                                     | 1030    |
| 11/27/2018 1:00  | 1029                               | 1029    | 1030                                     | 1030    |
| 11/27/2018 2:00  | 1029                               | 1029    | 1030                                     | 1030    |
| 11/27/2018 3:00  | 1029                               | 1029    | 1030                                     | 1030    |
| 11/27/2018 4:00  | 1029                               | 1029    | 1030                                     | 1030    |
| 11/27/2018 5:00  | 1029                               | 1029    | 1030                                     | 1030    |
| 11/27/2018 6:00  | 1029                               | 1029    | 1030                                     | 1030    |

| Date/Time        | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|------------------|------------------------------------|---------|--|---------|
|                  | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 11/27/2018 7:00  | 1029                               | 1029    | 1030                                     | 1030    |
| 11/27/2018 8:00  | 1029                               | 1029    | 1030                                     | 1030    |
| 11/27/2018 9:00  | 1029                               | 1030    | 1030                                     | 1030    |
| 11/27/2018 10:00 | 1030                               | 1030    | 1030                                     | 1030    |
| 11/27/2018 11:00 | 1030                               | 1030    | 1030                                     | 1030    |
| 11/27/2018 12:00 | 1030                               | 1030    | 1029                                     | 1030    |
| 11/27/2018 13:00 | 1030                               | 1030    | 1029                                     | 1030    |
| 11/27/2018 14:00 | 1030                               | 1030    | 1029                                     | 1029    |
| 11/27/2018 15:00 | 1030                               | 1030    | 1029                                     | 1029    |
| 11/27/2018 16:00 | 1030                               | 1030    | 1029                                     | 1030    |
| 11/27/2018 17:00 | 1030                               | 1030    | 1030                                     | 1030    |
| 11/27/2018 18:00 | 1030                               | 1030    | 1030                                     | 1030    |
| 11/27/2018 19:00 | 1029                               | 1030    | 1030                                     | 1030    |
| 11/27/2018 20:00 | 1029                               | 1029    | 1030                                     | 1031    |
| 11/27/2018 21:00 | 1029                               | 1029    | 1031                                     | 1031    |
| 11/27/2018 22:00 | 1029                               | 1029    | 1031                                     | 1031    |
| 11/27/2018 23:00 | 1029                               | 1029    | 1031                                     | 1031    |
| 11/28/2018 0:00  | 1029                               | 1029    | 1031                                     | 1031    |
| 11/28/2018 1:00  | 1029                               | 1030    | 1031                                     | 1031    |
| 11/28/2018 2:00  | 1030                               | 1030    | 1031                                     | 1032    |
| 11/28/2018 3:00  | 1030                               | 1030    | 1031                                     | 1032    |
| 11/28/2018 4:00  | 1030                               | 1031    | 1031                                     | 1032    |
| 11/28/2018 5:00  | 1031                               | 1031    | 1031                                     | 1032    |
| 11/28/2018 6:00  | 1031                               | 1031    | 1031                                     | 1032    |
| 11/28/2018 7:00  | 1031                               | 1031    | 1031                                     | 1032    |
| 11/28/2018 8:00  | 1031                               | 1031    | 1031                                     | 1031    |
| 11/28/2018 9:00  | 1031                               | 1031    | 1031                                     | 1031    |
| 11/28/2018 10:00 | 1031                               | 1031    | 1031                                     | 1031    |
| 11/28/2018 11:00 | 1031                               | 1031    | 1031                                     | 1031    |
| 11/28/2018 12:00 | 1031                               | 1031    | 1031                                     | 1031    |
| 11/28/2018 13:00 | 1031                               | 1031    | 1030                                     | 1031    |
| 11/28/2018 14:00 | 1031                               | 1031    | 1030                                     | 1031    |
| 11/28/2018 15:00 | 1031                               | 1031    | 1031                                     | 1031    |
| 11/28/2018 16:00 | 1031                               | 1031    | 1031                                     | 1031    |
| 11/28/2018 17:00 | 1031                               | 1031    | 1030                                     | 1031    |
| 11/28/2018 18:00 | 1031                               | 1031    | 1030                                     | 1030    |
| 11/28/2018 19:00 | 1030                               | 1031    | 1030                                     | 1030    |
| 11/28/2018 20:00 | 1030                               | 1030    | 1029                                     | 1030    |
| 11/28/2018 21:00 | 1030                               | 1030    | 1029                                     | 1029    |
| 11/28/2018 22:00 | 1030                               | 1030    | 1028                                     | 1029    |
| 11/28/2018 23:00 | 1030                               | 1030    | 1028                                     | 1028    |
| 11/29/2018 0:00  | 1030                               | 1030    | 1027                                     | 1028    |
| 11/29/2018 1:00  | 1030                               | 1030    | 1025                                     | 1027    |
| 11/29/2018 2:00  | 1030                               | 1030    | 1024                                     | 1025    |
| 11/29/2018 3:00  | 1029                               | 1030    | 1024                                     | 1025    |
| 11/29/2018 4:00  | 1029                               | 1029    | 1024                                     | 1025    |
| 11/29/2018 5:00  | 1028                               | 1029    | 1025                                     | 1025    |
| 11/29/2018 6:00  | 1028                               | 1028    | 1025                                     | 1025    |
| 11/29/2018 7:00  | 1027                               | 1028    | 1025                                     | 1025    |
| 11/29/2018 8:00  | 1026                               | 1027    | 1024                                     | 1025    |
| 11/29/2018 9:00  | 1024                               | 1026    | 1024                                     | 1025    |
| 11/29/2018 10:00 | 1024                               | 1024    | 1025                                     | 1025    |
| 11/29/2018 11:00 | 1024                               | 1025    | 1025                                     | 1028    |
| 11/29/2018 12:00 | 1025                               | 1025    | 1027                                     | 1029    |
| 11/29/2018 13:00 | 1025                               | 1025    | 1029                                     | 1029    |
| 11/29/2018 14:00 | 1025                               | 1025    | 1029                                     | 1029    |
| 11/29/2018 15:00 | 1025                               | 1025    | 1029                                     | 1029    |
| 11/29/2018 16:00 | 1024                               | 1025    | 1028                                     | 1029    |
| 11/29/2018 17:00 | 1024                               | 1025    | 1028                                     | 1028    |
| 11/29/2018 18:00 | 1025                               | 1026    | 1028                                     | 1028    |
| 11/29/2018 19:00 | 1026                               | 1028    | 1028                                     | 1028    |
| 11/29/2018 20:00 | 1028                               | 1029    | 1028                                     | 1028    |
| 11/29/2018 21:00 | 1029                               | 1029    | 1027                                     | 1028    |
| 11/29/2018 22:00 | 1029                               | 1029    | 1027                                     | 1027    |
| 11/29/2018 23:00 | 1029                               | 1029    | 1026                                     | 1027    |
| 11/30/2018 0:00  | 1028                               | 1029    | 1026                                     | 1026    |
| 11/30/2018 1:00  | 1028                               | 1028    | 1026                                     | 1027    |
| 11/30/2018 2:00  | 1028                               | 1028    | 1027                                     | 1028    |
| 11/30/2018 3:00  | 1028                               | 1028    | 1028                                     | 1028    |
| 11/30/2018 4:00  | 1027                               | 1028    | 1028                                     | 1028    |
| 11/30/2018 5:00  | 1027                               | 1027    | 1027                                     | 1028    |
| 11/30/2018 6:00  | 1027                               | 1027    | 1027                                     | 1027    |
| 11/30/2018 7:00  | 1026                               | 1027    | 1027                                     | 1027    |
| 11/30/2018 8:00  | 1026                               | 1026    | 1027                                     | 1027    |
| 11/30/2018 9:00  | 1026                               | 1026    | 1027                                     | 1027    |
| 11/30/2018 10:00 | 1026                               | 1028    | 1026                                     | 1027    |
| 11/30/2018 11:00 | 1028                               | 1028    | 1027                                     | 1027    |
| 11/30/2018 12:00 | 1028                               | 1028    | 1027                                     | 1028    |
| 11/30/2018 13:00 | 1028                               | 1028    | 1028                                     | 1028    |
| 11/30/2018 14:00 | 1027                               | 1028    | 1028                                     | 1029    |

**Viking Gas Transmission  
(Fargo)****Williston Basin Interstate  
(Mapleton)**

| Date/Time        | Viking Gas Transmission (Fargo) |         | Williston Basin Interstate (Mapleton) |         |
|------------------|---------------------------------|---------|---------------------------------------|---------|
|                  | Min BTU                         | Max BTU | Min BTU                               | Max BTU |
| 11/30/2018 15:00 | 1027                            | 1027    | 1029                                  | 1029    |
| 11/30/2018 16:00 | 1027                            | 1027    | 1029                                  | 1030    |
| 11/30/2018 17:00 | 1027                            | 1027    | 1030                                  | 1030    |
| 11/30/2018 18:00 | 1026                            | 1027    | 1029                                  | 1030    |
| 11/30/2018 19:00 | 1026                            | 1027    | 1029                                  | 1029    |
| 11/30/2018 20:00 | 1027                            | 1027    | 1029                                  | 1030    |
| 11/30/2018 21:00 | 1027                            | 1028    | 1030                                  | 1030    |
| 11/30/2018 22:00 | 1028                            | 1028    | 1030                                  | 1030    |
| 11/30/2018 23:00 | 1028                            | 1029    | 1030                                  | 1030    |