



825 Rice Street  
Saint Paul, MN 55117

July 29, 2022

Steve Kahl, 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. Kahl:

Enclosed with this letter are Xcel Energy's natural gas heating value reports for June 2022 as required by N.D. PU-22-14.

If you need further information or clarification regarding the enclosed response, please contact Lisa Kallberg at 651-788-0648.

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 |
| 6/1/2022 0:00  | 1034                               | 1034    | 1200                                     | 1200    |
| 6/1/2022 1:00  | 1034                               | 1035    | 1200                                     | 1200    |
| 6/1/2022 2:00  | 1035                               | 1035    | 1200                                     | 1200    |
| 6/1/2022 3:00  | 1035                               | 1035    | 1200                                     | 1200    |
| 6/1/2022 4:00  | 1035                               | 1035    | 1200                                     | 1200    |
| 6/1/2022 5:00  | 1035                               | 1036    | 1200                                     | 1200    |
| 6/1/2022 6:00  | 1035                               | 1036    | 1200                                     | 1200    |
| 6/1/2022 7:00  | 1035                               | 1035    | 1200                                     | 1200    |
| 6/1/2022 8:00  | 1035                               | 1036    | 1199                                     | 1200    |
| 6/1/2022 9:00  | 1035                               | 1036    | 1198                                     | 1199    |
| 6/1/2022 10:00 | 1035                               | 1036    | 1198                                     | 1198    |
| 6/1/2022 11:00 | 1036                               | 1036    | 1196                                     | 1198    |
| 6/1/2022 12:00 | 1035                               | 1036    | 1194                                     | 1200    |
| 6/1/2022 13:00 | 1035                               | 1035    | 1200                                     | 1200    |
| 6/1/2022 14:00 | 1035                               | 1035    | 1200                                     | 1200    |
| 6/1/2022 15:00 | 1035                               | 1035    | 1200                                     | 1200    |
| 6/1/2022 16:00 | 1035                               | 1036    | 1200                                     | 1200    |
| 6/1/2022 17:00 | 1035                               | 1036    | 1200                                     | 1200    |
| 6/1/2022 18:00 | 1035                               | 1036    | 1200                                     | 1200    |
| 6/1/2022 19:00 | 1036                               | 1036    | 1200                                     | 1200    |
| 6/1/2022 20:00 | 1036                               | 1036    | 1200                                     | 1200    |
| 6/1/2022 21:00 | 1036                               | 1037    | 1200                                     | 1200    |
| 6/1/2022 22:00 | 1036                               | 1037    | 1200                                     | 1200    |
| 6/1/2022 23:00 | 1036                               | 1037    | 1200                                     | 1200    |
| 6/2/2022 0:00  | 1037                               | 1037    | 1200                                     | 1200    |
| 6/2/2022 1:00  | 1037                               | 1037    | 1200                                     | 1200    |
| 6/2/2022 2:00  | 1037                               | 1037    | 1200                                     | 1200    |
| 6/2/2022 3:00  | 1037                               | 1037    | 1200                                     | 1200    |
| 6/2/2022 4:00  | 1037                               | 1037    | 1196                                     | 1200    |
| 6/2/2022 5:00  | 1037                               | 1038    | 1192                                     | 1196    |
| 6/2/2022 6:00  | 1038                               | 1038    | 1190                                     | 1192    |
| 6/2/2022 7:00  | 1038                               | 1038    | 1189                                     | 1195    |
| 6/2/2022 8:00  | 1038                               | 1038    | 1185                                     | 1189    |
| 6/2/2022 9:00  | 1038                               | 1038    | 1181                                     | 1185    |
| 6/2/2022 10:00 | 1038                               | 1038    | 1180                                     | 1183    |
| 6/2/2022 11:00 | 1037                               | 1038    | 1183                                     | 1185    |
| 6/2/2022 12:00 | 1037                               | 1037    | 1184                                     | 1194    |
| 6/2/2022 13:00 | 1037                               | 1037    | 1194                                     | 1198    |
| 6/2/2022 14:00 | 1037                               | 1037    | 1185                                     | 1198    |
| 6/2/2022 15:00 | 1037                               | 1037    | 1187                                     | 1195    |
| 6/2/2022 16:00 | 1037                               | 1037    | 1195                                     | 1199    |
| 6/2/2022 17:00 | 1037                               | 1037    | 1196                                     | 1199    |
| 6/2/2022 18:00 | 1037                               | 1038    | 1196                                     | 1198    |
| 6/2/2022 19:00 | 1038                               | 1038    | 1198                                     | 1198    |
| 6/2/2022 20:00 | 1038                               | 1038    | 1198                                     | 1200    |
| 6/2/2022 21:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/2/2022 22:00 | 1038                               | 1038    | 1198                                     | 1200    |
| 6/2/2022 23:00 | 1038                               | 1038    | 1196                                     | 1200    |
| 6/3/2022 0:00  | 1038                               | 1038    | 1200                                     | 1200    |
| 6/3/2022 1:00  | 1038                               | 1039    | 1200                                     | 1200    |
| 6/3/2022 2:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/3/2022 3:00  | 1039                               | 1040    | 1200                                     | 1200    |
| 6/3/2022 4:00  | 1040                               | 1041    | 1200                                     | 1200    |
| 6/3/2022 5:00  | 1041                               | 1041    | 1200                                     | 1200    |
| 6/3/2022 6:00  | 1041                               | 1041    | 1195                                     | 1200    |
| 6/3/2022 7:00  | 1041                               | 1041    | 1186                                     | 1195    |
| 6/3/2022 8:00  | 1041                               | 1042    | 1191                                     | 1200    |
| 6/3/2022 9:00  | 1041                               | 1042    | 1200                                     | 1200    |
| 6/3/2022 10:00 | 1041                               | 1042    | 1200                                     | 1200    |
| 6/3/2022 11:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/3/2022 12:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/3/2022 13:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/3/2022 14:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/3/2022 15:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/3/2022 16:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/3/2022 17:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/3/2022 18:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/3/2022 19:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/3/2022 20:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/3/2022 21:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/3/2022 22:00 | 1042                               | 1043    | 1200                                     | 1200    |
| 6/3/2022 23:00 | 1043                               | 1044    | 1200                                     | 1200    |

**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 |
| 6/4/2022 0:00  | 1044                               | 1044    | 1199                                     | 1200    |
| 6/4/2022 1:00  | 1043                               | 1044    | 1200                                     | 1200    |
| 6/4/2022 2:00  | 1043                               | 1044    | 1196                                     | 1200    |
| 6/4/2022 3:00  | 1043                               | 1044    | 1200                                     | 1200    |
| 6/4/2022 4:00  | 1042                               | 1043    | 1200                                     | 1200    |
| 6/4/2022 5:00  | 1042                               | 1042    | 1196                                     | 1200    |
| 6/4/2022 6:00  | 1042                               | 1043    | 1197                                     | 1200    |
| 6/4/2022 7:00  | 1042                               | 1042    | 1197                                     | 1198    |
| 6/4/2022 8:00  | 1042                               | 1042    | 1196                                     | 1197    |
| 6/4/2022 9:00  | 1042                               | 1043    | 1197                                     | 1200    |
| 6/4/2022 10:00 | 1043                               | 1044    | 1200                                     | 1200    |
| 6/4/2022 11:00 | 1044                               | 1044    | 1200                                     | 1200    |
| 6/4/2022 12:00 | 1044                               | 1044    | 1200                                     | 1200    |
| 6/4/2022 13:00 | 1044                               | 1046    | 1200                                     | 1200    |
| 6/4/2022 14:00 | 1046                               | 1046    | 1200                                     | 1200    |
| 6/4/2022 15:00 | 1046                               | 1046    | 1200                                     | 1200    |
| 6/4/2022 16:00 | 1046                               | 1046    | 1200                                     | 1200    |
| 6/4/2022 17:00 | 1045                               | 1046    | 1200                                     | 1200    |
| 6/4/2022 18:00 | 1044                               | 1045    | 1200                                     | 1200    |
| 6/4/2022 19:00 | 1044                               | 1044    | 1200                                     | 1200    |
| 6/4/2022 20:00 | 1044                               | 1044    | 1200                                     | 1200    |
| 6/4/2022 21:00 | 1044                               | 1044    | 1200                                     | 1200    |
| 6/4/2022 22:00 | 1043                               | 1044    | 1200                                     | 1200    |
| 6/4/2022 23:00 | 1043                               | 1043    | 1200                                     | 1200    |
| 6/5/2022 0:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/5/2022 1:00  | 1042                               | 1043    | 1200                                     | 1200    |
| 6/5/2022 2:00  | 1041                               | 1042    | 1200                                     | 1200    |
| 6/5/2022 3:00  | 1041                               | 1041    | 1200                                     | 1200    |
| 6/5/2022 4:00  | 1041                               | 1041    | 1200                                     | 1200    |
| 6/5/2022 5:00  | 1041                               | 1042    | 1200                                     | 1200    |
| 6/5/2022 6:00  | 1042                               | 1042    | 1196                                     | 1200    |
| 6/5/2022 7:00  | 1042                               | 1042    | 1195                                     | 1196    |
| 6/5/2022 8:00  | 1042                               | 1042    | 1193                                     | 1195    |
| 6/5/2022 9:00  | 1042                               | 1042    | 1193                                     | 1200    |
| 6/5/2022 10:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/5/2022 11:00 | 1042                               | 1043    | 1200                                     | 1200    |
| 6/5/2022 12:00 | 1043                               | 1043    | 1200                                     | 1200    |
| 6/5/2022 13:00 | 1043                               | 1043    | 1200                                     | 1200    |
| 6/5/2022 14:00 | 1042                               | 1043    | 1200                                     | 1200    |
| 6/5/2022 15:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/5/2022 16:00 | 1042                               | 1046    | 1200                                     | 1200    |
| 6/5/2022 17:00 | 1045                               | 1046    | 1200                                     | 1200    |
| 6/5/2022 18:00 | 1045                               | 1045    | 1200                                     | 1200    |
| 6/5/2022 19:00 | 1045                               | 1045    | 1200                                     | 1200    |
| 6/5/2022 20:00 | 1045                               | 1045    | 1200                                     | 1200    |
| 6/5/2022 21:00 | 1044                               | 1045    | 1200                                     | 1200    |
| 6/5/2022 22:00 | 1044                               | 1044    | 1200                                     | 1200    |
| 6/5/2022 23:00 | 1043                               | 1044    | 1200                                     | 1200    |
| 6/6/2022 0:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/6/2022 1:00  | 1043                               | 1044    | 1200                                     | 1200    |
| 6/6/2022 2:00  | 1043                               | 1044    | 1200                                     | 1200    |
| 6/6/2022 3:00  | 1043                               | 1044    | 1200                                     | 1200    |
| 6/6/2022 4:00  | 1043                               | 1044    | 1200                                     | 1200    |
| 6/6/2022 5:00  | 1042                               | 1043    | 1200                                     | 1200    |
| 6/6/2022 6:00  | 1042                               | 1043    | 1200                                     | 1200    |
| 6/6/2022 7:00  | 1043                               | 1044    | 1200                                     | 1200    |
| 6/6/2022 8:00  | 1044                               | 1044    | 1198                                     | 1200    |
| 6/6/2022 9:00  | 1044                               | 1044    | 1198                                     | 1200    |
| 6/6/2022 10:00 | 1043                               | 1044    | 1200                                     | 1200    |
| 6/6/2022 11:00 | 1043                               | 1043    | 1200                                     | 1200    |
| 6/6/2022 12:00 | 1043                               | 1044    | 1200                                     | 1200    |
| 6/6/2022 13:00 | 1043                               | 1044    | 1200                                     | 1200    |
| 6/6/2022 14:00 | 1042                               | 1043    | 1200                                     | 1200    |
| 6/6/2022 15:00 | 1042                               | 1043    | 1200                                     | 1200    |
| 6/6/2022 16:00 | 1043                               | 1043    | 1200                                     | 1200    |
| 6/6/2022 17:00 | 1043                               | 1043    | 1200                                     | 1200    |
| 6/6/2022 18:00 | 1043                               | 1044    | 1200                                     | 1200    |
| 6/6/2022 19:00 | 1044                               | 1044    | 1200                                     | 1200    |
| 6/6/2022 20:00 | 1043                               | 1044    | 1200                                     | 1200    |
| 6/6/2022 21:00 | 1043                               | 1043    | 1200                                     | 1200    |
| 6/6/2022 22:00 | 1043                               | 1043    | 1200                                     | 1200    |
| 6/6/2022 23:00 | 1043                               | 1043    | 1200                                     | 1200    |
| 6/7/2022 0:00  | 1042                               | 1043    | 1200                                     | 1200    |
| 6/7/2022 1:00  | 1042                               | 1042    | 1200                                     | 1200    |
| 6/7/2022 2:00  | 1042                               | 1042    | 1200                                     | 1200    |
| 6/7/2022 3:00  | 1042                               | 1042    | 1200                                     | 1200    |
| 6/7/2022 4:00  | 1042                               | 1042    | 1200                                     | 1200    |
| 6/7/2022 5:00  | 1042                               | 1043    | 1200                                     | 1200    |
| 6/7/2022 6:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/7/2022 7:00  | 1043                               | 1043    | 1200                                     | 1200    |

**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 |
| 6/7/2022 8:00   | 1043                               | 1043    | 1200                                     | 1200    |
| 6/7/2022 9:00   | 1043                               | 1043    | 1200                                     | 1200    |
| 6/7/2022 10:00  | 1042                               | 1043    | 1200                                     | 1200    |
| 6/7/2022 11:00  | 1042                               | 1043    | 1200                                     | 1200    |
| 6/7/2022 12:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/7/2022 13:00  | 1043                               | 1044    | 1200                                     | 1200    |
| 6/7/2022 14:00  | 1044                               | 1044    | 1200                                     | 1200    |
| 6/7/2022 15:00  | 1043                               | 1044    | 1200                                     | 1200    |
| 6/7/2022 16:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/7/2022 17:00  | 1038                               | 1043    | 1200                                     | 1200    |
| 6/7/2022 18:00  | 1038                               | 1040    | 1200                                     | 1200    |
| 6/7/2022 19:00  | 1039                               | 1040    | 1200                                     | 1200    |
| 6/7/2022 20:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/7/2022 21:00  | 1039                               | 1040    | 1200                                     | 1200    |
| 6/7/2022 22:00  | 1040                               | 1041    | 1200                                     | 1200    |
| 6/7/2022 23:00  | 1041                               | 1042    | 1195                                     | 1200    |
| 6/8/2022 0:00   | 1042                               | 1042    | 1200                                     | 1200    |
| 6/8/2022 1:00   | 1042                               | 1042    | 1200                                     | 1200    |
| 6/8/2022 2:00   | 1042                               | 1042    | 1200                                     | 1200    |
| 6/8/2022 3:00   | 1042                               | 1042    | 1200                                     | 1200    |
| 6/8/2022 4:00   | 1042                               | 1042    | 1200                                     | 1200    |
| 6/8/2022 5:00   | 1042                               | 1043    | 1200                                     | 1200    |
| 6/8/2022 6:00   | 1043                               | 1043    | 1200                                     | 1200    |
| 6/8/2022 7:00   | 1043                               | 1043    | 1200                                     | 1200    |
| 6/8/2022 8:00   | 1043                               | 1043    | 1200                                     | 1200    |
| 6/8/2022 9:00   | 1043                               | 1043    | 1200                                     | 1200    |
| 6/8/2022 10:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/8/2022 11:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/8/2022 12:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/8/2022 13:00  | 1043                               | 1048    | 1200                                     | 1200    |
| 6/8/2022 14:00  | 1043                               | 1048    | 1200                                     | 1200    |
| 6/8/2022 15:00  | 1043                               | 1044    | 1195                                     | 1200    |
| 6/8/2022 16:00  | 1044                               | 1044    | 1195                                     | 1200    |
| 6/8/2022 17:00  | 1043                               | 1044    | 1200                                     | 1200    |
| 6/8/2022 18:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/8/2022 19:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/8/2022 20:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/8/2022 21:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/8/2022 22:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/8/2022 23:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/9/2022 0:00   | 1043                               | 1044    | 1200                                     | 1200    |
| 6/9/2022 1:00   | 1044                               | 1044    | 1200                                     | 1200    |
| 6/9/2022 2:00   | 1044                               | 1045    | 1200                                     | 1200    |
| 6/9/2022 3:00   | 1045                               | 1046    | 1200                                     | 1200    |
| 6/9/2022 4:00   | 1046                               | 1047    | 1200                                     | 1200    |
| 6/9/2022 5:00   | 1047                               | 1048    | 1200                                     | 1200    |
| 6/9/2022 6:00   | 1047                               | 1048    | 1200                                     | 1200    |
| 6/9/2022 7:00   | 1045                               | 1047    | 1200                                     | 1200    |
| 6/9/2022 8:00   | 1044                               | 1045    | 1200                                     | 1200    |
| 6/9/2022 9:00   | 1044                               | 1044    | 1200                                     | 1200    |
| 6/9/2022 10:00  | 1044                               | 1044    | 1200                                     | 1200    |
| 6/9/2022 10:00  | 1044                               | 1044    | 1200                                     | 1200    |
| 6/9/2022 11:00  | 1044                               | 1044    | 1200                                     | 1200    |
| 6/9/2022 12:00  | 1044                               | 1044    | 1200                                     | 1200    |
| 6/9/2022 12:00  | 1044                               | 1044    | 1200                                     | 1200    |
| 6/9/2022 13:00  | 1043                               | 1045    | 1200                                     | 1200    |
| 6/9/2022 14:00  | 1043                               | 1045    | 1200                                     | 1200    |
| 6/9/2022 15:00  | 1045                               | 1045    | 1200                                     | 1200    |
| 6/9/2022 16:00  | 1044                               | 1045    | 1200                                     | 1200    |
| 6/9/2022 17:00  | 1044                               | 1045    | 1200                                     | 1200    |
| 6/9/2022 18:00  | 1045                               | 1045    | 1200                                     | 1200    |
| 6/9/2022 19:00  | 1045                               | 1045    | 1200                                     | 1200    |
| 6/9/2022 20:00  | 1044                               | 1045    | 1200                                     | 1200    |
| 6/9/2022 21:00  | 1044                               | 1044    | 1200                                     | 1200    |
| 6/9/2022 22:00  | 1044                               | 1044    | 1197                                     | 1200    |
| 6/9/2022 23:00  | 1043                               | 1044    | 1197                                     | 1200    |
| 6/10/2022 0:00  | 1043                               | 1044    | 1197                                     | 1200    |
| 6/10/2022 1:00  | 1043                               | 1044    | 1200                                     | 1200    |
| 6/10/2022 2:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/10/2022 3:00  | 1043                               | 1043    | 1200                                     | 1200    |
| 6/10/2022 4:00  | 1041                               | 1043    | 1200                                     | 1200    |
| 6/10/2022 5:00  | 1041                               | 1041    | 1199                                     | 1200    |
| 6/10/2022 6:00  | 1040                               | 1041    | 1198                                     | 1200    |
| 6/10/2022 7:00  | 1040                               | 1041    | 1200                                     | 1200    |
| 6/10/2022 8:00  | 1041                               | 1042    | 1200                                     | 1200    |
| 6/10/2022 9:00  | 1042                               | 1042    | 1200                                     | 1200    |
| 6/10/2022 10:00 | 1041                               | 1042    | 1200                                     | 1200    |
| 6/10/2022 11:00 | 1041                               | 1041    | 1200                                     | 1200    |
| 6/10/2022 12:00 | 1041                               | 1041    | 1200                                     | 1200    |
| 6/10/2022 13:00 | 1041                               | 1041    | 1200                                     | 1200    |

**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 |
| 6/10/2022 14:00 | 1041                               | 1042    | 1200                                     | 1200    |
| 6/10/2022 15:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/10/2022 16:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/10/2022 17:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/10/2022 18:00 | 1041                               | 1042    | 1198                                     | 1200    |
| 6/10/2022 19:00 | 1041                               | 1042    | 1200                                     | 1200    |
| 6/10/2022 20:00 | 1042                               | 1042    | 1200                                     | 1200    |
| 6/10/2022 21:00 | 1041                               | 1042    | 1200                                     | 1200    |
| 6/10/2022 22:00 | 1041                               | 1041    | 1200                                     | 1200    |
| 6/10/2022 23:00 | 1041                               | 1041    | 1200                                     | 1200    |
| 6/11/2022 0:00  | 1041                               | 1041    | 1199                                     | 1200    |
| 6/11/2022 1:00  | 1040                               | 1041    | 1198                                     | 1199    |
| 6/11/2022 2:00  | 1040                               | 1040    | 1194                                     | 1198    |
| 6/11/2022 3:00  | 1040                               | 1040    | 1194                                     | 1197    |
| 6/11/2022 4:00  | 1040                               | 1041    | 1197                                     | 1200    |
| 6/11/2022 5:00  | 1040                               | 1041    | 1200                                     | 1200    |
| 6/11/2022 6:00  | 1040                               | 1040    | 1193                                     | 1200    |
| 6/11/2022 7:00  | 1040                               | 1040    | 1190                                     | 1193    |
| 6/11/2022 8:00  | 1040                               | 1040    | 1193                                     | 1200    |
| 6/11/2022 9:00  | 1040                               | 1040    | 1200                                     | 1200    |
| 6/11/2022 10:00 | 1039                               | 1040    | 1200                                     | 1200    |
| 6/11/2022 11:00 | 1038                               | 1039    | 1200                                     | 1200    |
| 6/11/2022 12:00 | 1038                               | 1039    | 1200                                     | 1200    |
| 6/11/2022 13:00 | 1038                               | 1039    | 1200                                     | 1200    |
| 6/11/2022 14:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/11/2022 15:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/11/2022 16:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/11/2022 17:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/11/2022 18:00 | 1038                               | 1038    | 1199                                     | 1200    |
| 6/11/2022 19:00 | 1038                               | 1039    | 1200                                     | 1200    |
| 6/11/2022 20:00 | 1038                               | 1039    | 1200                                     | 1200    |
| 6/11/2022 21:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/11/2022 22:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/11/2022 23:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/12/2022 0:00  | 1038                               | 1039    | 1200                                     | 1200    |
| 6/12/2022 1:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/12/2022 2:00  | 1039                               | 1039    | 1196                                     | 1200    |
| 6/12/2022 3:00  | 1039                               | 1039    | 1194                                     | 1196    |
| 6/12/2022 4:00  | 1039                               | 1039    | 1195                                     | 1200    |
| 6/12/2022 5:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/12/2022 6:00  | 1039                               | 1040    | 1200                                     | 1200    |
| 6/12/2022 7:00  | 1039                               | 1040    | 1200                                     | 1200    |
| 6/12/2022 8:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/12/2022 9:00  | 1039                               | 1039    | 1197                                     | 1200    |
| 6/12/2022 10:00 | 1039                               | 1040    | 1195                                     | 1197    |
| 6/12/2022 11:00 | 1039                               | 1040    | 1195                                     | 1200    |
| 6/12/2022 12:00 | 1039                               | 1039    | 1195                                     | 1200    |
| 6/12/2022 13:00 | 1039                               | 1039    | 1195                                     | 1200    |
| 6/12/2022 14:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/12/2022 15:00 | 1039                               | 1040    | 1200                                     | 1200    |
| 6/12/2022 16:00 | 1039                               | 1040    | 1200                                     | 1200    |
| 6/12/2022 17:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/12/2022 18:00 | 1039                               | 1040    | 1200                                     | 1200    |
| 6/12/2022 19:00 | 1039                               | 1040    | 1200                                     | 1200    |
| 6/12/2022 20:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/12/2022 21:00 | 1039                               | 1040    | 1200                                     | 1200    |
| 6/12/2022 22:00 | 1040                               | 1040    | 1200                                     | 1200    |
| 6/12/2022 23:00 | 1040                               | 1040    | 1200                                     | 1200    |
| 6/13/2022 0:00  | 1040                               | 1041    | 1200                                     | 1200    |
| 6/13/2022 1:00  | 1041                               | 1041    | 1200                                     | 1200    |
| 6/13/2022 2:00  | 1041                               | 1041    | 1200                                     | 1200    |
| 6/13/2022 3:00  | 1041                               | 1042    | 1200                                     | 1200    |
| 6/13/2022 4:00  | 1042                               | 1042    | 1200                                     | 1200    |
| 6/13/2022 5:00  | 1042                               | 1042    | 1200                                     | 1200    |
| 6/13/2022 6:00  | 1041                               | 1042    | 1200                                     | 1200    |
| 6/13/2022 7:00  | 1041                               | 1041    | 1200                                     | 1200    |
| 6/13/2022 8:00  | 1041                               | 1041    | 1200                                     | 1200    |
| 6/13/2022 9:00  | 1040                               | 1041    | 1200                                     | 1200    |
| 6/13/2022 10:00 | 1039                               | 1040    | 1200                                     | 1200    |
| 6/13/2022 11:00 | 1039                               | 1039    | 1199                                     | 1200    |
| 6/13/2022 12:00 | 1039                               | 1039    | 1197                                     | 1199    |
| 6/13/2022 13:00 | 1039                               | 1039    | 1194                                     | 1197    |
| 6/13/2022 14:00 | 1039                               | 1039    | 1194                                     | 1195    |
| 6/13/2022 15:00 | 1039                               | 1039    | 1195                                     | 1200    |
| 6/13/2022 16:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/13/2022 17:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/13/2022 18:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/13/2022 19:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/13/2022 20:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/13/2022 21:00 | 1039                               | 1039    | 1200                                     | 1200    |

**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 |
| 6/13/2022 22:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/13/2022 23:00 | 1039                               | 1040    | 1200                                     | 1200    |
| 6/14/2022 0:00  | 1039                               | 1040    | 1200                                     | 1200    |
| 6/14/2022 1:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/14/2022 2:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/14/2022 3:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/14/2022 4:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/14/2022 5:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/14/2022 6:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/14/2022 7:00  | 1039                               | 1039    | 1199                                     | 1200    |
| 6/14/2022 8:00  | 1039                               | 1039    | 1198                                     | 1200    |
| 6/14/2022 9:00  | 1039                               | 1042    | 1198                                     | 1199    |
| 6/14/2022 10:00 | 1041                               | 1042    | 1198                                     | 1198    |
| 6/14/2022 11:00 | 1041                               | 1041    | 1198                                     | 1199    |
| 6/14/2022 12:00 | 1041                               | 1041    | 1199                                     | 1200    |
| 6/14/2022 13:00 | 1041                               | 1041    | 1200                                     | 1200    |
| 6/14/2022 14:00 | 1041                               | 1041    | 1200                                     | 1200    |
| 6/14/2022 15:00 | 1039                               | 1041    | 1200                                     | 1200    |
| 6/14/2022 16:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/14/2022 17:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/14/2022 18:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/14/2022 19:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/14/2022 20:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/14/2022 21:00 | 1039                               | 1039    | 1198                                     | 1200    |
| 6/14/2022 22:00 | 1039                               | 1039    | 1197                                     | 1198    |
| 6/14/2022 23:00 | 1039                               | 1039    | 1197                                     | 1198    |
| 6/15/2022 0:00  | 1039                               | 1039    | 1196                                     | 1197    |
| 6/15/2022 1:00  | 1038                               | 1039    | 1195                                     | 1196    |
| 6/15/2022 2:00  | 1038                               | 1038    | 1195                                     | 1195    |
| 6/15/2022 3:00  | 1038                               | 1038    | 1195                                     | 1195    |
| 6/15/2022 4:00  | 1038                               | 1038    | 1195                                     | 1195    |
| 6/15/2022 5:00  | 1038                               | 1038    | 1195                                     | 1195    |
| 6/15/2022 6:00  | 1038                               | 1038    | 1195                                     | 1195    |
| 6/15/2022 7:00  | 1038                               | 1039    | 1195                                     | 1195    |
| 6/15/2022 8:00  | 1039                               | 1039    | 1195                                     | 1195    |
| 6/15/2022 9:00  | 1039                               | 1040    | 1195                                     | 1195    |
| 6/15/2022 10:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/15/2022 11:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/15/2022 12:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/15/2022 13:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/15/2022 14:00 | 1040                               | 1040    | 1194                                     | 1195    |
| 6/15/2022 15:00 | 1040                               | 1040    | 1194                                     | 1195    |
| 6/15/2022 16:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/15/2022 17:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/15/2022 18:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/15/2022 19:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/15/2022 20:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/15/2022 21:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/15/2022 22:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/15/2022 23:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/16/2022 0:00  | 1040                               | 1041    | 1195                                     | 1195    |
| 6/16/2022 1:00  | 1041                               | 1041    | 1195                                     | 1195    |
| 6/16/2022 2:00  | 1041                               | 1041    | 1195                                     | 1195    |
| 6/16/2022 3:00  | 1041                               | 1042    | 1195                                     | 1195    |
| 6/16/2022 4:00  | 1042                               | 1042    | 1195                                     | 1195    |
| 6/16/2022 5:00  | 1041                               | 1042    | 1195                                     | 1195    |
| 6/16/2022 6:00  | 1041                               | 1042    | 1195                                     | 1195    |
| 6/16/2022 7:00  | 1041                               | 1042    | 1195                                     | 1195    |
| 6/16/2022 8:00  | 1041                               | 1041    | 1195                                     | 1195    |
| 6/16/2022 9:00  | 1040                               | 1041    | 1195                                     | 1195    |
| 6/16/2022 10:00 | 1039                               | 1040    | 1195                                     | 1195    |
| 6/16/2022 11:00 | 1038                               | 1039    | 1195                                     | 1196    |
| 6/16/2022 12:00 | 1038                               | 1038    | 1196                                     | 1197    |
| 6/16/2022 13:00 | 1037                               | 1038    | 1197                                     | 1197    |
| 6/16/2022 14:00 | 1037                               | 1037    | 1197                                     | 1198    |
| 6/16/2022 15:00 | 1037                               | 1038    | 1197                                     | 1198    |
| 6/16/2022 16:00 | 1038                               | 1039    | 1197                                     | 1197    |
| 6/16/2022 17:00 | 1039                               | 1039    | 1197                                     | 1197    |
| 6/16/2022 18:00 | 1039                               | 1040    | 1197                                     | 1197    |
| 6/16/2022 19:00 | 1040                               | 1040    | 1196                                     | 1197    |
| 6/16/2022 20:00 | 1040                               | 1040    | 1196                                     | 1196    |
| 6/16/2022 21:00 | 1040                               | 1040    | 1196                                     | 1196    |
| 6/16/2022 22:00 | 1040                               | 1040    | 1195                                     | 1196    |
| 6/16/2022 23:00 | 1040                               | 1041    | 1195                                     | 1196    |
| 6/17/2022 0:00  | 1041                               | 1041    | 1195                                     | 1195    |
| 6/17/2022 1:00  | 1041                               | 1041    | 1195                                     | 1195    |
| 6/17/2022 2:00  | 1041                               | 1041    | 1195                                     | 1195    |
| 6/17/2022 3:00  | 1041                               | 1041    | 1195                                     | 1195    |
| 6/17/2022 4:00  | 1041                               | 1041    | 1195                                     | 1195    |
| 6/17/2022 5:00  | 1040                               | 1041    | 1195                                     | 1195    |

**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 |
| 6/17/2022 6:00  | 1040                               | 1041    | 1195                                     | 1195    |
| 6/17/2022 7:00  | 1040                               | 1041    | 1195                                     | 1195    |
| 6/17/2022 8:00  | 1040                               | 1040    | 1195                                     | 1195    |
| 6/17/2022 9:00  | 1040                               | 1040    | 1195                                     | 1195    |
| 6/17/2022 10:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/17/2022 11:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/17/2022 12:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/17/2022 13:00 | 1040                               | 1040    | 1195                                     | 1195    |
| 6/17/2022 14:00 | 1039                               | 1040    | 1195                                     | 1195    |
| 6/17/2022 15:00 | 1039                               | 1039    | 1195                                     | 1195    |
| 6/17/2022 16:00 | 1039                               | 1039    | 1195                                     | 1195    |
| 6/17/2022 17:00 | 1039                               | 1039    | 1195                                     | 1195    |
| 6/17/2022 18:00 | 1039                               | 1039    | 1195                                     | 1200    |
| 6/17/2022 19:00 | 1038                               | 1039    | 1195                                     | 1200    |
| 6/17/2022 20:00 | 1038                               | 1038    | 1198                                     | 1200    |
| 6/17/2022 21:00 | 1038                               | 1038    | 1197                                     | 1200    |
| 6/17/2022 22:00 | 1038                               | 1038    | 1199                                     | 1200    |
| 6/17/2022 23:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/18/2022 0:00  | 1038                               | 1039    | 1200                                     | 1200    |
| 6/18/2022 1:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/18/2022 2:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/18/2022 3:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/18/2022 4:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/18/2022 5:00  | 1039                               | 1041    | 1200                                     | 1200    |
| 6/18/2022 6:00  | 1040                               | 1041    | 1200                                     | 1200    |
| 6/18/2022 7:00  | 1040                               | 1040    | 1200                                     | 1200    |
| 6/18/2022 8:00  | 1039                               | 1040    | 1200                                     | 1200    |
| 6/18/2022 9:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/18/2022 10:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/18/2022 11:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/18/2022 12:00 | 1038                               | 1039    | 1200                                     | 1200    |
| 6/18/2022 13:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/18/2022 14:00 | 1038                               | 1038    | 1199                                     | 1200    |
| 6/18/2022 15:00 | 1038                               | 1038    | 1199                                     | 1200    |
| 6/18/2022 16:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/18/2022 17:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/18/2022 18:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/18/2022 19:00 | 1038                               | 1038    | 1199                                     | 1200    |
| 6/18/2022 20:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/18/2022 21:00 | 1037                               | 1038    | 1200                                     | 1200    |
| 6/18/2022 22:00 | 1037                               | 1038    | 1196                                     | 1200    |
| 6/18/2022 23:00 | 1037                               | 1038    | 1196                                     | 1200    |
| 6/19/2022 0:00  | 1037                               | 1038    | 1200                                     | 1200    |
| 6/19/2022 1:00  | 1038                               | 1038    | 1200                                     | 1200    |
| 6/19/2022 2:00  | 1038                               | 1039    | 1200                                     | 1200    |
| 6/19/2022 3:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/19/2022 4:00  | 1039                               | 1039    | 1187                                     | 1200    |
| 6/19/2022 5:00  | 1039                               | 1039    | 1188                                     | 1200    |
| 6/19/2022 6:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/19/2022 7:00  | 1039                               | 1039    | 1196                                     | 1200    |
| 6/19/2022 8:00  | 1039                               | 1039    | 1185                                     | 1196    |
| 6/19/2022 9:00  | 1039                               | 1039    | 1185                                     | 1185    |
| 6/19/2022 10:00 | 1038                               | 1039    | 1184                                     | 1187    |
| 6/19/2022 11:00 | 1038                               | 1039    | 1187                                     | 1192    |
| 6/19/2022 12:00 | 1038                               | 1039    | 1192                                     | 1193    |
| 6/19/2022 13:00 | 1038                               | 1039    | 1191                                     | 1193    |
| 6/19/2022 14:00 | 1038                               | 1039    | 1193                                     | 1196    |
| 6/19/2022 15:00 | 1038                               | 1038    | 1196                                     | 1197    |
| 6/19/2022 16:00 | 1038                               | 1039    | 1196                                     | 1198    |
| 6/19/2022 17:00 | 1039                               | 1039    | 1198                                     | 1200    |
| 6/19/2022 18:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/19/2022 19:00 | 1038                               | 1039    | 1200                                     | 1200    |
| 6/19/2022 20:00 | 1038                               | 1039    | 1200                                     | 1200    |
| 6/19/2022 21:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/19/2022 22:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/19/2022 23:00 | 1039                               | 1039    | 1200                                     | 1200    |
| 6/20/2022 0:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/20/2022 1:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/20/2022 2:00  | 1039                               | 1039    | 1200                                     | 1200    |
| 6/20/2022 3:00  | 1038                               | 1039    | 1200                                     | 1200    |
| 6/20/2022 4:00  | 1038                               | 1039    | 1200                                     | 1200    |
| 6/20/2022 5:00  | 1039                               | 1039    | 1196                                     | 1200    |
| 6/20/2022 6:00  | 1039                               | 1040    | 1192                                     | 1196    |
| 6/20/2022 7:00  | 1040                               | 1041    | 1192                                     | 1194    |
| 6/20/2022 8:00  | 1041                               | 1041    | 1194                                     | 1195    |
| 6/20/2022 9:00  | 1041                               | 1042    | 1195                                     | 1197    |
| 6/20/2022 10:00 | 1042                               | 1046    | 1196                                     | 1200    |
| 6/20/2022 11:00 | 1046                               | 1047    | 1195                                     | 1200    |
| 6/20/2022 12:00 | 1047                               | 1048    | 1194                                     | 1195    |
| 6/20/2022 13:00 | 1048                               | 1049    | 1194                                     | 1195    |

**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 |
| 6/20/2022 14:00 | 1049                               | 1050    | 1194                                     | 1195    |
| 6/20/2022 15:00 | 1048                               | 1050    | 1195                                     | 1197    |
| 6/20/2022 16:00 | 1046                               | 1048    | 1197                                     | 1200    |
| 6/20/2022 17:00 | 1045                               | 1046    | 1200                                     | 1200    |
| 6/20/2022 18:00 | 1043                               | 1045    | 1200                                     | 1200    |
| 6/20/2022 19:00 | 1041                               | 1043    | 1200                                     | 1200    |
| 6/20/2022 20:00 | 1039                               | 1041    | 1200                                     | 1200    |
| 6/20/2022 21:00 | 1038                               | 1039    | 1200                                     | 1200    |
| 6/20/2022 22:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/20/2022 23:00 | 1037                               | 1038    | 1200                                     | 1200    |
| 6/21/2022 0:00  | 1037                               | 1037    | 1200                                     | 1200    |
| 6/21/2022 1:00  | 1037                               | 1037    | 1200                                     | 1200    |
| 6/21/2022 2:00  | 1036                               | 1037    | 1200                                     | 1200    |
| 6/21/2022 3:00  | 1036                               | 1036    | 1200                                     | 1200    |
| 6/21/2022 4:00  | 1036                               | 1036    | 1200                                     | 1200    |
| 6/21/2022 5:00  | 1036                               | 1036    | 1198                                     | 1200    |
| 6/21/2022 6:00  | 1036                               | 1036    | 1196                                     | 1198    |
| 6/21/2022 7:00  | 1036                               | 1036    | 1195                                     | 1196    |
| 6/21/2022 8:00  | 1036                               | 1037    | 1195                                     | 1195    |
| 6/21/2022 9:00  | 1037                               | 1037    | 1191                                     | 1195    |
| 6/21/2022 10:00 | 1037                               | 1037    | 1191                                     | 1194    |
| 6/21/2022 11:00 | 1037                               | 1037    | 1187                                     | 1194    |
| 6/21/2022 12:00 | 1037                               | 1037    | 1184                                     | 1187    |
| 6/21/2022 13:00 | 1037                               | 1037    | 1182                                     | 1185    |
| 6/21/2022 14:00 | 1037                               | 1037    | 1182                                     | 1186    |
| 6/21/2022 15:00 | 1037                               | 1037    | 1186                                     | 1190    |
| 6/21/2022 16:00 | 1037                               | 1037    | 1189                                     | 1194    |
| 6/21/2022 17:00 | 1037                               | 1037    | 1194                                     | 1200    |
| 6/21/2022 18:00 | 1037                               | 1037    | 1196                                     | 1200    |
| 6/21/2022 19:00 | 1037                               | 1037    | 1196                                     | 1197    |
| 6/21/2022 20:00 | 1037                               | 1037    | 1197                                     | 1200    |
| 6/21/2022 21:00 | 1037                               | 1037    | 1200                                     | 1200    |
| 6/21/2022 22:00 | 1037                               | 1037    | 1198                                     | 1200    |
| 6/21/2022 23:00 | 1037                               | 1038    | 1199                                     | 1200    |
| 6/22/2022 0:00  | 1038                               | 1038    | 1199                                     | 1200    |
| 6/22/2022 1:00  | 1038                               | 1038    | 1200                                     | 1200    |
| 6/22/2022 2:00  | 1038                               | 1038    | 1200                                     | 1200    |
| 6/22/2022 3:00  | 1038                               | 1038    | 1200                                     | 1200    |
| 6/22/2022 4:00  | 1038                               | 1038    | 1200                                     | 1200    |
| 6/22/2022 5:00  | 1038                               | 1039    | 1194                                     | 1200    |
| 6/22/2022 6:00  | 1039                               | 1039    | 1183                                     | 1194    |
| 6/22/2022 7:00  | 1038                               | 1039    | 1183                                     | 1192    |
| 6/22/2022 8:00  | 1038                               | 1039    | 1192                                     | 1199    |
| 6/22/2022 9:00  | 1038                               | 1039    | 1192                                     | 1199    |
| 6/22/2022 10:00 | 1038                               | 1038    | 1190                                     | 1192    |
| 6/22/2022 11:00 | 1038                               | 1038    | 1190                                     | 1197    |
| 6/22/2022 12:00 | 1038                               | 1039    | 1197                                     | 1200    |
| 6/22/2022 13:00 | 1038                               | 1039    | 1192                                     | 1198    |
| 6/22/2022 14:00 | 1038                               | 1038    | 1191                                     | 1192    |
| 6/22/2022 15:00 | 1038                               | 1038    | 1192                                     | 1197    |
| 6/22/2022 16:00 | 1038                               | 1038    | 1197                                     | 1200    |
| 6/22/2022 17:00 | 1038                               | 1038    | 1200                                     | 1200    |
| 6/22/2022 18:00 | 1037                               | 1038    | 1200                                     | 1200    |
| 6/22/2022 19:00 | 1037                               | 1038    | 1200                                     | 1200    |
| 6/22/2022 20:00 | 1037                               | 1038    | 1200                                     | 1200    |
| 6/22/2022 21:00 | 1037                               | 1038    | 1200                                     | 1200    |
| 6/22/2022 22:00 | 1037                               | 1038    | 1200                                     | 1200    |
| 6/22/2022 23:00 | 1037                               | 1037    | 1200                                     | 1200    |
| 6/23/2022 0:00  | 1037                               | 1037    | 1200                                     | 1200    |
| 6/23/2022 1:00  | 1037                               | 1037    | 1200                                     | 1200    |
| 6/23/2022 2:00  | 1037                               | 1037    | 1200                                     | 1200    |
| 6/23/2022 3:00  | 1037                               | 1037    | 1200                                     | 1200    |
| 6/23/2022 4:00  | 1037                               | 1037    | 1200                                     | 1200    |
| 6/23/2022 5:00  | 1037                               | 1037    | 1200                                     | 1200    |
| 6/23/2022 6:00  | 1037                               | 1037    | 1197                                     | 1200    |
| 6/23/2022 7:00  | 1037                               | 1037    | 1191                                     | 1197    |
| 6/23/2022 8:00  | 1037                               | 1037    | 1191                                     | 1192    |
| 6/23/2022 9:00  | 1037                               | 1037    | 1192                                     | 1193    |
| 6/23/2022 10:00 | 1037                               | 1037    | 1187                                     | 1193    |
| 6/23/2022 11:00 | 1037                               | 1038    | 1186                                     | 1187    |
| 6/23/2022 12:00 | 1037                               | 1038    | 1184                                     | 1187    |
| 6/23/2022 13:00 | 1037                               | 1037    | 1187                                     | 1195    |
| 6/23/2022 14:00 | 1037                               | 1037    | 1195                                     | 1199    |
| 6/23/2022 15:00 | 1037                               | 1037    | 1199                                     | 1200    |
| 6/23/2022 16:00 | 1037                               | 1037    | 1199                                     | 1200    |
| 6/23/2022 17:00 | 1037                               | 1037    | 1200                                     | 1200    |
| 6/23/2022 18:00 | 1037                               | 1037    | 1200                                     | 1200    |
| 6/23/2022 19:00 | 1037                               | 1037    | 1200                                     | 1200    |
| 6/23/2022 20:00 | 1037                               | 1037    | 1200                                     | 1200    |
| 6/23/2022 21:00 | 1037                               | 1037    | 1200                                     | 1200    |

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

| Date/Time       | Viking Gas Transmission (Fargo) |         | Williston Basin Interstate (Mapleton) |         |
|-----------------|---------------------------------|---------|---------------------------------------|---------|
|                 | Min BTU                         | Max BTU | Min BTU                               | Max BTU |
| 6/23/2022 22:00 | 1037                            | 1038    | 1200                                  | 1200    |
| 6/23/2022 23:00 | 1038                            | 1038    | 1200                                  | 1200    |
| 6/24/2022 0:00  | 1037                            | 1038    | 1200                                  | 1200    |
| 6/24/2022 1:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/24/2022 2:00  | 1037                            | 1038    | 1200                                  | 1200    |
| 6/24/2022 3:00  | 1038                            | 1038    | 1200                                  | 1200    |
| 6/24/2022 4:00  | 1038                            | 1038    | 1200                                  | 1200    |
| 6/24/2022 5:00  | 1037                            | 1038    | 1200                                  | 1200    |
| 6/24/2022 6:00  | 1037                            | 1038    | 1196                                  | 1200    |
| 6/24/2022 7:00  | 1037                            | 1038    | 1196                                  | 1200    |
| 6/24/2022 8:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/24/2022 9:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/24/2022 10:00 | 1036                            | 1037    | 1200                                  | 1200    |
| 6/24/2022 11:00 | 1036                            | 1036    | 1195                                  | 1200    |
| 6/24/2022 12:00 | 1036                            | 1036    | 1193                                  | 1196    |
| 6/24/2022 13:00 | 1036                            | 1036    | 1195                                  | 1198    |
| 6/24/2022 14:00 | 1036                            | 1037    | 1198                                  | 1200    |
| 6/24/2022 15:00 | 1037                            | 1037    | 1197                                  | 1200    |
| 6/24/2022 16:00 | 1037                            | 1037    | 1193                                  | 1197    |
| 6/24/2022 17:00 | 1036                            | 1037    | 1193                                  | 1199    |
| 6/24/2022 18:00 | 1036                            | 1037    | 1197                                  | 1199    |
| 6/24/2022 19:00 | 1037                            | 1038    | 1197                                  | 1199    |
| 6/24/2022 20:00 | 1037                            | 1038    | 1199                                  | 1200    |
| 6/24/2022 21:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/24/2022 22:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/24/2022 23:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/25/2022 0:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/25/2022 1:00  | 1036                            | 1037    | 1200                                  | 1200    |
| 6/25/2022 2:00  | 1036                            | 1037    | 1200                                  | 1200    |
| 6/25/2022 3:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/25/2022 4:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/25/2022 5:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/25/2022 6:00  | 1037                            | 1037    | 1198                                  | 1200    |
| 6/25/2022 7:00  | 1037                            | 1037    | 1197                                  | 1199    |
| 6/25/2022 8:00  | 1037                            | 1037    | 1199                                  | 1200    |
| 6/25/2022 9:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/25/2022 10:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/25/2022 11:00 | 1037                            | 1038    | 1200                                  | 1200    |
| 6/25/2022 12:00 | 1038                            | 1038    | 1200                                  | 1200    |
| 6/25/2022 13:00 | 1038                            | 1038    | 1199                                  | 1200    |
| 6/25/2022 14:00 | 1038                            | 1039    | 1199                                  | 1200    |
| 6/25/2022 15:00 | 1039                            | 1039    | 1200                                  | 1200    |
| 6/25/2022 16:00 | 1039                            | 1039    | 1200                                  | 1200    |
| 6/25/2022 17:00 | 1039                            | 1039    | 1200                                  | 1200    |
| 6/25/2022 18:00 | 1038                            | 1039    | 1200                                  | 1200    |
| 6/25/2022 19:00 | 1038                            | 1038    | 1200                                  | 1200    |
| 6/25/2022 20:00 | 1038                            | 1038    | 1200                                  | 1200    |
| 6/25/2022 21:00 | 1038                            | 1038    | 1200                                  | 1200    |
| 6/25/2022 22:00 | 1038                            | 1038    | 1200                                  | 1200    |
| 6/25/2022 23:00 | 1037                            | 1038    | 1197                                  | 1200    |
| 6/26/2022 0:00  | 1037                            | 1038    | 1191                                  | 1197    |
| 6/26/2022 1:00  | 1037                            | 1038    | 1188                                  | 1191    |
| 6/26/2022 2:00  | 1037                            | 1037    | 1181                                  | 1188    |
| 6/26/2022 3:00  | 1037                            | 1037    | 1181                                  | 1200    |
| 6/26/2022 4:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/26/2022 5:00  | 1036                            | 1037    | 1200                                  | 1200    |
| 6/26/2022 6:00  | 1036                            | 1037    | 1198                                  | 1200    |
| 6/26/2022 7:00  | 1037                            | 1037    | 1198                                  | 1200    |
| 6/26/2022 8:00  | 1036                            | 1037    | 1200                                  | 1200    |
| 6/26/2022 9:00  | 1036                            | 1036    | 1200                                  | 1200    |
| 6/26/2022 10:00 | 1036                            | 1036    | 1200                                  | 1200    |
| 6/26/2022 11:00 | 1036                            | 1036    | 1200                                  | 1200    |
| 6/26/2022 12:00 | 1035                            | 1036    | 1200                                  | 1200    |
| 6/26/2022 13:00 | 1035                            | 1035    | 1200                                  | 1200    |
| 6/26/2022 14:00 | 1035                            | 1035    | 1200                                  | 1200    |
| 6/26/2022 15:00 | 1035                            | 1035    | 1200                                  | 1200    |
| 6/26/2022 16:00 | 1035                            | 1035    | 1200                                  | 1200    |
| 6/26/2022 17:00 | 1035                            | 1035    | 1200                                  | 1200    |
| 6/26/2022 18:00 | 1035                            | 1035    | 1200                                  | 1200    |
| 6/26/2022 19:00 | 1035                            | 1035    | 1200                                  | 1200    |
| 6/26/2022 20:00 | 1035                            | 1036    | 1200                                  | 1200    |
| 6/26/2022 21:00 | 1036                            | 1036    | 1200                                  | 1200    |
| 6/26/2022 22:00 | 1036                            | 1036    | 1200                                  | 1200    |
| 6/26/2022 23:00 | 1036                            | 1037    | 1200                                  | 1200    |
| 6/27/2022 0:00  | 1036                            | 1037    | 1200                                  | 1200    |
| 6/27/2022 1:00  | 1036                            | 1036    | 1200                                  | 1200    |
| 6/27/2022 2:00  | 1036                            | 1036    | 1200                                  | 1200    |
| 6/27/2022 3:00  | 1036                            | 1036    | 1200                                  | 1200    |
| 6/27/2022 4:00  | 1036                            | 1036    | 1200                                  | 1200    |
| 6/27/2022 5:00  | 1036                            | 1036    | 1200                                  | 1200    |

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

| Date/Time       | Viking Gas Transmission (Fargo) |         | Williston Basin Interstate (Mapleton) |         |
|-----------------|---------------------------------|---------|---------------------------------------|---------|
|                 | Min BTU                         | Max BTU | Min BTU                               | Max BTU |
| 6/27/2022 6:00  | 1036                            | 1036    | 1200                                  | 1200    |
| 6/27/2022 7:00  | 1036                            | 1036    | 1200                                  | 1200    |
| 6/27/2022 8:00  | 1036                            | 1036    | 1200                                  | 1200    |
| 6/27/2022 9:00  | 1036                            | 1036    | 1200                                  | 1200    |
| 6/27/2022 10:00 | 1035                            | 1036    | 1200                                  | 1200    |
| 6/27/2022 11:00 | 1035                            | 1035    | 1200                                  | 1200    |
| 6/27/2022 12:00 | 1035                            | 1035    | 1200                                  | 1200    |
| 6/27/2022 13:00 | 1035                            | 1036    | 1200                                  | 1200    |
| 6/27/2022 14:00 | 1036                            | 1036    | 1200                                  | 1200    |
| 6/27/2022 15:00 | 1036                            | 1036    | 1200                                  | 1200    |
| 6/27/2022 16:00 | 1036                            | 1036    | 1200                                  | 1200    |
| 6/27/2022 17:00 | 1036                            | 1037    | 1200                                  | 1200    |
| 6/27/2022 18:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/27/2022 19:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/27/2022 20:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/27/2022 21:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/27/2022 22:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/27/2022 23:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/28/2022 0:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/28/2022 1:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/28/2022 2:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/28/2022 3:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/28/2022 4:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/28/2022 5:00  | 1037                            | 1037    | 1199                                  | 1200    |
| 6/28/2022 6:00  | 1037                            | 1038    | 1199                                  | 1200    |
| 6/28/2022 7:00  | 1038                            | 1038    | 1200                                  | 1200    |
| 6/28/2022 8:00  | 1038                            | 1039    | 1200                                  | 1200    |
| 6/28/2022 9:00  | 1039                            | 1039    | 1200                                  | 1200    |
| 6/28/2022 10:00 | 1039                            | 1039    | 1200                                  | 1200    |
| 6/28/2022 11:00 | 1039                            | 1039    | 1200                                  | 1200    |
| 6/28/2022 12:00 | 1039                            | 1039    | 1200                                  | 1200    |
| 6/28/2022 13:00 | 1039                            | 1039    | 1200                                  | 1200    |
| 6/28/2022 14:00 | 1039                            | 1039    | 1200                                  | 1200    |
| 6/28/2022 15:00 | 1038                            | 1039    | 1200                                  | 1200    |
| 6/28/2022 16:00 | 1038                            | 1038    | 1200                                  | 1200    |
| 6/28/2022 17:00 | 1038                            | 1038    | 1200                                  | 1200    |
| 6/28/2022 18:00 | 1038                            | 1038    | 1200                                  | 1200    |
| 6/28/2022 19:00 | 1037                            | 1038    | 1200                                  | 1200    |
| 6/28/2022 20:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/28/2022 21:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/28/2022 22:00 | 1037                            | 1038    | 1200                                  | 1200    |
| 6/28/2022 23:00 | 1038                            | 1038    | 1200                                  | 1200    |
| 6/29/2022 0:00  | 1038                            | 1038    | 1200                                  | 1200    |
| 6/29/2022 1:00  | 1038                            | 1038    | 1200                                  | 1200    |
| 6/29/2022 2:00  | 1037                            | 1038    | 1200                                  | 1200    |
| 6/29/2022 3:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/29/2022 4:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/29/2022 5:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/29/2022 6:00  | 1037                            | 1037    | 1193                                  | 1200    |
| 6/29/2022 7:00  | 1037                            | 1037    | 1192                                  | 1194    |
| 6/29/2022 8:00  | 1037                            | 1037    | 1192                                  | 1193    |
| 6/29/2022 9:00  | 1037                            | 1037    | 1193                                  | 1193    |
| 6/29/2022 10:00 | 1037                            | 1037    | 1189                                  | 1193    |
| 6/29/2022 11:00 | 1037                            | 1037    | 1184                                  | 1189    |
| 6/29/2022 12:00 | 1036                            | 1037    | 1182                                  | 1184    |
| 6/29/2022 13:00 | 1036                            | 1036    | 1180                                  | 1182    |
| 6/29/2022 14:00 | 1036                            | 1037    | 1179                                  | 1181    |
| 6/29/2022 15:00 | 1036                            | 1037    | 1179                                  | 1185    |
| 6/29/2022 16:00 | 1036                            | 1036    | 1184                                  | 1186    |
| 6/29/2022 17:00 | 1036                            | 1036    | 1182                                  | 1184    |
| 6/29/2022 18:00 | 1036                            | 1036    | 1182                                  | 1186    |
| 6/29/2022 19:00 | 1036                            | 1037    | 1186                                  | 1195    |
| 6/29/2022 20:00 | 1037                            | 1037    | 1195                                  | 1200    |
| 6/29/2022 21:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/29/2022 22:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/29/2022 23:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/30/2022 0:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/30/2022 1:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/30/2022 2:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/30/2022 3:00  | 1037                            | 1038    | 1200                                  | 1200    |
| 6/30/2022 4:00  | 1038                            | 1038    | 1200                                  | 1200    |
| 6/30/2022 5:00  | 1038                            | 1038    | 1200                                  | 1200    |
| 6/30/2022 6:00  | 1038                            | 1038    | 1200                                  | 1200    |
| 6/30/2022 7:00  | 1038                            | 1038    | 1200                                  | 1200    |
| 6/30/2022 8:00  | 1037                            | 1038    | 1200                                  | 1200    |
| 6/30/2022 9:00  | 1037                            | 1037    | 1200                                  | 1200    |
| 6/30/2022 10:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/30/2022 11:00 | 1037                            | 1038    | 1200                                  | 1200    |
| 6/30/2022 12:00 | 1037                            | 1038    | 1200                                  | 1200    |
| 6/30/2022 13:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/30/2022 14:00 | 1037                            | 1037    | 1200                                  | 1200    |
| 6/30/2022 15:00 | 1037                            | 1037    | 1200                                  | 1200    |

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 |
| 6/30/2022 16:00 | 1037                               | 1037    | 1200                                     | 1200    |
| 6/30/2022 17:00 | 1037                               | 1037    | 1200                                     | 1200    |
| 6/30/2022 18:00 | 1037                               | 1037    | 1200                                     | 1200    |
| 6/30/2022 19:00 | 1037                               | 1037    | 1200                                     | 1200    |
| 6/30/2022 20:00 | 1037                               | 1037    | 1200                                     | 1200    |
| 6/30/2022 21:00 | 1037                               | 1037    | 1200                                     | 1200    |
| 6/30/2022 22:00 | 1037                               | 1037    | 1200                                     | 1200    |
| 6/30/2022 23:00 | 1037                               | 1037    | 1200                                     | 1200    |