



825 Rice Street  
Saint Paul, MN 55117

October 18, 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 September 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 (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
9/1/2022 0:00	1030	1031	1196	1200
9/1/2022 1:00	1031	1032	1200	1200
9/1/2022 2:00	1032	1035	1200	1200
9/1/2022 3:00	1035	1039	1200	1200
9/1/2022 4:00	1039	1039	1200	1200
9/1/2022 5:00	1037	1039	1200	1200
9/1/2022 6:00	1035	1037	1200	1200
9/1/2022 7:00	1035	1035	1200	1200
9/1/2022 8:00	1035	1035	1200	1200
9/1/2022 9:00	1035	1036	1200	1200
9/1/2022 10:00	1036	1036	1200	1200
9/1/2022 11:00	1036	1037	1200	1200
9/1/2022 12:00	1036	1037	1200	1200
9/1/2022 13:00	1036	1036	1200	1200
9/1/2022 14:00	1036	1036	1200	1200
9/1/2022 15:00	1036	1036	1200	1200
9/1/2022 16:00	1036	1036	1200	1200
9/1/2022 17:00	1035	1036	1200	1200
9/1/2022 18:00	1034	1035	1200	1200
9/1/2022 19:00	1034	1034	1200	1200
9/1/2022 20:00	1034	1034	1198	1200
9/1/2022 21:00	1034	1034	1198	1198
9/1/2022 22:00	1034	1034	1197	1198
9/1/2022 23:00	1034	1034	1197	1200
9/2/2022 0:00	1034	1034	1198	1198
9/2/2022 1:00	1034	1034	1198	1200
9/2/2022 2:00	1034	1035	1200	1200
9/2/2022 3:00	1035	1035	1200	1200
9/2/2022 4:00	1035	1035	1197	1200
9/2/2022 5:00	1035	1035	1196	1197
9/2/2022 6:00	1035	1035	1196	1198
9/2/2022 7:00	1035	1035	1197	1199
9/2/2022 8:00	1035	1035	1197	1200
9/2/2022 9:00	1035	1036	1199	1200
9/2/2022 10:00	1036	1036	1199	1200
9/2/2022 11:00	1036	1036	1199	1200
9/2/2022 12:00	1035	1036	1200	1200
9/2/2022 13:00	1035	1035	1200	1200
9/2/2022 14:00	1035	1035	1200	1200
9/2/2022 15:00	1035	1035	1200	1200
9/2/2022 16:00	1035	1036	1200	1200
9/2/2022 17:00	1036	1036	1200	1200
9/2/2022 18:00	1035	1036	1200	1200
9/2/2022 19:00	1035	1035	1200	1200
9/2/2022 20:00	1035	1035	1200	1200
9/2/2022 21:00	1035	1035	1200	1200
9/2/2022 22:00	1034	1035	1200	1200
9/2/2022 23:00	1034	1034	1200	1200
9/3/2022 0:00	1034	1034	1199	1200
9/3/2022 1:00	1034	1034	1199	1200
9/3/2022 2:00	1034	1034	1200	1200
9/3/2022 3:00	1034	1034	1200	1200
9/3/2022 4:00	1034	1034	1199	1200
9/3/2022 5:00	1034	1034	1199	1200
9/3/2022 6:00	1034	1034	1200	1200
9/3/2022 7:00	1034	1034	1200	1200
9/3/2022 8:00	1034	1034	1199	1200
9/3/2022 9:00	1034	1034	1197	1199
9/3/2022 10:00	1034	1034	1198	1200
9/3/2022 11:00	1034	1035	1200	1200
9/3/2022 12:00	1035	1035	1200	1200
9/3/2022 13:00	1035	1035	1200	1200
9/3/2022 14:00	1035	1035	1200	1200
9/3/2022 15:00	1035	1035	1200	1200
9/3/2022 16:00	1035	1035	1200	1200
9/3/2022 17:00	1034	1035	1200	1200
9/3/2022 18:00	1034	1034	1200	1200
9/3/2022 19:00	1034	1036	1200	1200
9/3/2022 20:00	1036	1038	1200	1200
9/3/2022 21:00	1038	1040	1199	1200
9/3/2022 22:00	1040	1043	1199	1199
9/3/2022 23:00	1043	1046	1191	1199

**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
9/4/2022 0:00	1046	1048	1183	1191
9/4/2022 1:00	1048	1049	1182	1183
9/4/2022 2:00	1049	1049	1181	1184
9/4/2022 3:00	1049	1050	1184	1186
9/4/2022 4:00	1050	1050	1183	1184
9/4/2022 5:00	1050	1050	1184	1187
9/4/2022 6:00	1050	1050	1186	1188
9/4/2022 7:00	1050	1050	1187	1189
9/4/2022 8:00	1050	1050	1189	1191
9/4/2022 9:00	1050	1050	1190	1191
9/4/2022 10:00	1049	1050	1191	1193
9/4/2022 11:00	1049	1049	1193	1200
9/4/2022 12:00	1049	1049	1200	1200
9/4/2022 13:00	1048	1049	1200	1200
9/4/2022 14:00	1048	1048	1200	1200
9/4/2022 15:00	1048	1048	1200	1200
9/4/2022 16:00	1048	1048	1200	1200
9/4/2022 17:00	1048	1048	1200	1200
9/4/2022 18:00	1048	1048	1200	1200
9/4/2022 19:00	1048	1048	1200	1200
9/4/2022 20:00	1048	1048	1200	1200
9/4/2022 21:00	1048	1048	1200	1200
9/4/2022 22:00	1048	1048	1200	1200
9/4/2022 23:00	1048	1048	1197	1200
9/5/2022 0:00	1048	1048	1188	1197
9/5/2022 1:00	1048	1048	1188	1191
9/5/2022 2:00	1048	1048	1188	1192
9/5/2022 3:00	1048	1049	1192	1194
9/5/2022 4:00	1049	1049	1191	1194
9/5/2022 5:00	1049	1049	1189	1191
9/5/2022 6:00	1049	1049	1188	1189
9/5/2022 7:00	1049	1049	1188	1191
9/5/2022 8:00	1049	1049	1191	1195
9/5/2022 9:00	1049	1049	1191	1196
9/5/2022 10:00	1049	1049	1191	1196
9/5/2022 11:00	1049	1049	1196	1200
9/5/2022 12:00	1049	1050	1200	1200
9/5/2022 13:00	1050	1050	1200	1200
9/5/2022 14:00	1050	1050	1200	1200
9/5/2022 15:00	1049	1050	1200	1200
9/5/2022 16:00	1049	1049	1200	1200
9/5/2022 17:00	1049	1049	1200	1200
9/5/2022 18:00	1049	1049	1199	1200
9/5/2022 19:00	1049	1049	1199	1199
9/5/2022 20:00	1049	1049	1199	1200
9/5/2022 21:00	1049	1050	1200	1200
9/5/2022 22:00	1050	1050	1200	1200
9/5/2022 23:00	1050	1050	1200	1200
9/6/2022 0:00	1050	1050	1200	1200
9/6/2022 1:00	1050	1051	1200	1200
9/6/2022 2:00	1051	1051	1200	1200
9/6/2022 3:00	1051	1051	1200	1200
9/6/2022 4:00	1051	1051	1200	1200
9/6/2022 5:00	1050	1051	1200	1200
9/6/2022 6:00	1050	1050	1200	1200
9/6/2022 7:00	1050	1050	1200	1200
9/6/2022 8:00	1050	1050	1200	1200
9/6/2022 9:00	1050	1050	1195	1200
9/6/2022 10:00	1050	1050	1192	1195
9/6/2022 11:00	1049	1050	1191	1192
9/6/2022 12:00	1049	1049	1189	1191
9/6/2022 13:00	1049	1049	1190	1200
9/6/2022 14:00	1049	1050	1200	1200
9/6/2022 15:00	1050	1050	1200	1200
9/6/2022 16:00	1050	1050	1198	1200
9/6/2022 17:00	1049	1050	1196	1198
9/6/2022 18:00	1049	1049	1196	1199
9/6/2022 19:00	1049	1049	1196	1198
9/6/2022 20:00	1049	1050	1196	1197
9/6/2022 21:00	1049	1050	1195	1197
9/6/2022 22:00	1049	1049	1196	1200
9/6/2022 23:00	1049	1049	1200	1200
9/7/2022 0:00	1049	1050	1200	1200
9/7/2022 1:00	1050	1050	1200	1200
9/7/2022 2:00	1050	1051	1200	1200
9/7/2022 3:00	1051	1051	1200	1200
9/7/2022 4:00	1051	1051	1200	1200
9/7/2022 5:00	1050	1051	1200	1200
9/7/2022 6:00	1050	1050	1200	1200
9/7/2022 7:00	1050	1050	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
9/7/2022 8:00	1050	1050	1200	1200
9/7/2022 9:00	1050	1050	1200	1200
9/7/2022 10:00	1050	1050	1200	1200
9/7/2022 11:00	1049	1050	1200	1200
9/7/2022 12:00	1049	1049	1194	1200
9/7/2022 13:00	1049	1049	1192	1194
9/7/2022 14:00	1049	1049	1194	1195
9/7/2022 15:00	1049	1049	1194	1197
9/7/2022 16:00	1049	1049	1196	1197
9/7/2022 17:00	1049	1049	1195	1196
9/7/2022 18:00	1049	1049	1194	1195
9/7/2022 19:00	1049	1049	1191	1194
9/7/2022 20:00	1049	1049	1190	1192
9/7/2022 21:00	1049	1050	1192	1193
9/7/2022 22:00	1049	1050	1191	1193
9/7/2022 23:00	1049	1049	1191	1191
9/8/2022 0:00	1049	1049	1191	1195
9/8/2022 1:00	1049	1049	1195	1198
9/8/2022 2:00	1049	1049	1198	1200
9/8/2022 3:00	1049	1049	1200	1200
9/8/2022 4:00	1049	1049	1200	1200
9/8/2022 5:00	1049	1049	1200	1200
9/8/2022 6:00	1049	1049	1200	1200
9/8/2022 7:00	1049	1050	1200	1200
9/8/2022 8:00	1050	1050	1200	1200
9/8/2022 9:00	1049	1050	1200	1200
9/8/2022 10:00	1049	1049	1200	1200
9/8/2022 11:00	1049	1049	1200	1200
9/8/2022 12:00	1049	1049	1200	1200
9/8/2022 13:00	1049	1049	1200	1200
9/8/2022 14:00	1049	1049	1200	1200
9/8/2022 15:00	1049	1049	1200	1200
9/8/2022 16:00	1049	1049	1198	1200
9/8/2022 17:00	1049	1049	1195	1198
9/8/2022 18:00	1049	1049	1195	1197
9/8/2022 19:00	1049	1049	1183	1196
9/8/2022 20:00	1049	1050	1184	1194
9/8/2022 21:00	1050	1050	1194	1200
9/8/2022 22:00	1050	1050	1200	1200
9/8/2022 23:00	1050	1050	1200	1200
9/9/2022 0:00	1050	1050	1200	1200
9/9/2022 1:00	1049	1050	1190	1200
9/9/2022 2:00	1049	1050	1190	1194
9/9/2022 3:00	1050	1050	1194	1200
9/9/2022 4:00	1049	1050	1200	1200
9/9/2022 5:00	1049	1050	1198	1200
9/9/2022 6:00	1049	1050	1198	1200
9/9/2022 7:00	1049	1049	1197	1198
9/9/2022 8:00	1049	1049	1194	1197
9/9/2022 9:00	1049	1049	1194	1200
9/9/2022 10:00	1049	1049	1200	1200
9/9/2022 11:00	1049	1049	1200	1200
9/9/2022 12:00	1049	1049	1200	1200
9/9/2022 13:00	1048	1049	1200	1200
9/9/2022 14:00	1048	1048	1200	1200
9/9/2022 15:00	1048	1048	1200	1200
9/9/2022 16:00	1048	1048	1200	1200
9/9/2022 17:00	1048	1048	1200	1200
9/9/2022 18:00	1048	1048	1200	1200
9/9/2022 19:00	1048	1048	1192	1200
9/9/2022 20:00	1048	1048	1190	1192
9/9/2022 21:00	1048	1048	1186	1191
9/9/2022 22:00	1048	1048	1191	1200
9/9/2022 23:00	1048	1048	1200	1200
9/10/2022 0:00	1048	1049	1200	1200
9/10/2022 1:00	1049	1049	1200	1200
9/10/2022 2:00	1048	1049	1200	1200
9/10/2022 3:00	1048	1048	1200	1200
9/10/2022 4:00	1047	1048	1200	1200
9/10/2022 5:00	1047	1047	1200	1200
9/10/2022 6:00	1047	1047	1200	1200
9/10/2022 7:00	1047	1047	1200	1200
9/10/2022 8:00	1047	1048	1200	1200
9/10/2022 9:00	1048	1048	1200	1200
9/10/2022 10:00	1048	1048	1200	1200
9/10/2022 11:00	1048	1048	1200	1200
9/10/2022 12:00	1048	1049	1200	1200
9/10/2022 13:00	1049	1049	1197	1200
9/10/2022 14:00	1048	1049	1191	1197
9/10/2022 15:00	1048	1049	1191	1197

**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
9/10/2022 16:00	1048	1049	1195	1200
9/10/2022 17:00	1048	1048	1195	1200
9/10/2022 18:00	1048	1048	1200	1200
9/10/2022 19:00	1048	1048	1194	1200
9/10/2022 20:00	1048	1048	1189	1194
9/10/2022 21:00	1048	1050	1188	1191
9/10/2022 22:00	1050	1051	1186	1189
9/10/2022 23:00	1051	1053	1186	1191
9/11/2022 0:00	1053	1056	1191	1195
9/11/2022 1:00	1056	1059	1191	1194
9/11/2022 2:00	1059	1060	1191	1193
9/11/2022 3:00	1060	1061	1189	1191
9/11/2022 4:00	1061	1061	1189	1191
9/11/2022 5:00	1061	1061	1191	1193
9/11/2022 6:00	1061	1061	1186	1192
9/11/2022 7:00	1061	1061	1186	1190
9/11/2022 8:00	1061	1061	1182	1190
9/11/2022 9:00	1060	1061	1180	1184
9/11/2022 10:00	1060	1060	1184	1200
9/11/2022 11:00	1060	1060	1200	1200
9/11/2022 12:00	1060	1060	1200	1200
9/11/2022 13:00	1059	1060	1200	1200
9/11/2022 14:00	1059	1060	1200	1200
9/11/2022 15:00	1060	1060	1200	1200
9/11/2022 16:00	1060	1060	1200	1200
9/11/2022 17:00	1060	1060	1200	1200
9/11/2022 18:00	1060	1060	1200	1200
9/11/2022 19:00	1060	1060	1200	1200
9/11/2022 20:00	1060	1060	1200	1200
9/11/2022 21:00	1059	1060	1200	1200
9/11/2022 22:00	1059	1059	1200	1200
9/11/2022 23:00	1059	1059	1192	1200
9/12/2022 0:00	1058	1059	1188	1192
9/12/2022 1:00	1058	1058	1189	1190
9/12/2022 2:00	1058	1058	1190	1191
9/12/2022 3:00	1058	1058	1191	1193
9/12/2022 4:00	1058	1058	1193	1194
9/12/2022 5:00	1057	1058	1189	1193
9/12/2022 6:00	1057	1057	1187	1189
9/12/2022 7:00	1057	1057	1182	1187
9/12/2022 8:00	1056	1057	1181	1185
9/12/2022 9:00	1056	1056	1185	1188
9/12/2022 10:00	1056	1056	1186	1197
9/12/2022 11:00	1056	1056	1197	1200
9/12/2022 12:00	1056	1056	1200	1200
9/12/2022 13:00	1056	1056	1200	1200
9/12/2022 14:00	1056	1056	1200	1200
9/12/2022 15:00	1056	1056	1200	1200
9/12/2022 16:00	1056	1056	1200	1200
9/12/2022 17:00	1056	1056	1200	1200
9/12/2022 18:00	1056	1056	1200	1200
9/12/2022 19:00	1056	1056	1200	1200
9/12/2022 20:00	1055	1056	1200	1200
9/12/2022 21:00	1055	1056	1193	1200
9/12/2022 22:00	1056	1056	1190	1193
9/12/2022 23:00	1056	1056	1190	1200
9/13/2022 0:00	1056	1056	1200	1200
9/13/2022 1:00	1056	1056	1200	1200
9/13/2022 2:00	1056	1057	1200	1200
9/13/2022 3:00	1057	1057	1200	1200
9/13/2022 4:00	1057	1057	1197	1200
9/13/2022 5:00	1057	1057	1197	1200
9/13/2022 6:00	1057	1058	1200	1200
9/13/2022 7:00	1058	1058	1200	1200
9/13/2022 8:00	1058	1058	1200	1200
9/13/2022 9:00	1058	1058	1200	1200
9/13/2022 10:00	1058	1058	1200	1200
9/13/2022 11:00	1057	1058	1194	1200
9/13/2022 12:00	1057	1057	1186	1194
9/13/2022 13:00	1057	1057	1186	1191
9/13/2022 14:00	1056	1057	1190	1195
9/13/2022 15:00	1056	1056	1194	1200
9/13/2022 16:00	1056	1056	1200	1200
9/13/2022 17:00	1056	1056	1200	1200
9/13/2022 18:00	1055	1056	1200	1200
9/13/2022 19:00	1055	1055	1199	1200
9/13/2022 20:00	1054	1055	1200	1200
9/13/2022 21:00	1053	1054	1200	1200
9/13/2022 22:00	1051	1053	1200	1200
9/13/2022 23:00	1050	1051	1194	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
9/14/2022 0:00	1048	1050	1198	1200
9/14/2022 1:00	1047	1048	1195	1200
9/14/2022 2:00	1046	1047	1192	1195
9/14/2022 3:00	1045	1046	1191	1192
9/14/2022 4:00	1044	1045	1190	1192
9/14/2022 5:00	1044	1044	1190	1193
9/14/2022 6:00	1044	1045	1190	1192
9/14/2022 7:00	1045	1045	1187	1190
9/14/2022 8:00	1045	1045	1187	1191
9/14/2022 9:00	1045	1045	1191	1195
9/14/2022 10:00	1045	1046	1195	1197
9/14/2022 11:00	1045	1046	1194	1196
9/14/2022 12:00	1045	1045	1195	1197
9/14/2022 13:00	1045	1045	1197	1200
9/14/2022 14:00	1045	1045	1200	1200
9/14/2022 15:00	1045	1045	1200	1200
9/14/2022 16:00	1045	1045	1200	1200
9/14/2022 17:00	1045	1045	1200	1200
9/14/2022 18:00	1045	1045	1200	1200
9/14/2022 19:00	1045	1045	1193	1200
9/14/2022 20:00	1045	1045	1193	1194
9/14/2022 21:00	1045	1045	1194	1200
9/14/2022 22:00	1045	1045	1192	1200
9/14/2022 23:00	1045	1045	1189	1192
9/15/2022 0:00	1045	1046	1189	1197
9/15/2022 1:00	1045	1046	1195	1197
9/15/2022 2:00	1045	1046	1192	1196
9/15/2022 3:00	1046	1046	1190	1192
9/15/2022 4:00	1046	1046	1190	1190
9/15/2022 5:00	1046	1047	1190	1192
9/15/2022 6:00	1046	1047	1192	1192
9/15/2022 7:00	1046	1046	1192	1196
9/15/2022 8:00	1046	1047	1196	1198
9/15/2022 9:00	1047	1047	1196	1197
9/15/2022 10:00	1047	1047	1197	1199
9/15/2022 11:00	1047	1047	1199	1200
9/15/2022 12:00	1046	1047	1200	1200
9/15/2022 13:00	1046	1046	1200	1200
9/15/2022 14:00	1046	1046	1200	1200
9/15/2022 15:00	1046	1046	1200	1200
9/15/2022 16:00	1045	1046	1200	1200
9/15/2022 17:00	1045	1046	1200	1200
9/15/2022 18:00	1046	1046	1200	1200
9/15/2022 19:00	1046	1046	1200	1200
9/15/2022 20:00	1045	1046	1200	1200
9/15/2022 21:00	1045	1046	1195	1200
9/15/2022 22:00	1045	1046	1195	1200
9/15/2022 23:00	1045	1045	1179	1196
9/16/2022 0:00	1045	1045	1179	1195
9/16/2022 1:00	1045	1045	1194	1196
9/16/2022 2:00	1045	1045	1194	1195
9/16/2022 3:00	1045	1046	1194	1195
9/16/2022 4:00	1045	1046	1194	1194
9/16/2022 5:00	1045	1046	1194	1195
9/16/2022 6:00	1046	1046	1190	1195
9/16/2022 7:00	1046	1046	1188	1190
9/16/2022 8:00	1046	1046	1187	1188
9/16/2022 9:00	1046	1046	1187	1191
9/16/2022 10:00	1046	1046	1187	1188
9/16/2022 11:00	1046	1046	1187	1188
9/16/2022 12:00	1046	1046	1187	1188
9/16/2022 13:00	1046	1046	1188	1189
9/16/2022 14:00	1046	1046	1189	1191
9/16/2022 15:00	1046	1046	1191	1192
9/16/2022 16:00	1046	1046	1192	1199
9/16/2022 17:00	1045	1046	1199	1200
9/16/2022 18:00	1045	1045	1200	1200
9/16/2022 19:00	1045	1045	1200	1200
9/16/2022 20:00	1045	1045	1200	1200
9/16/2022 21:00	1045	1045	1200	1200
9/16/2022 22:00	1045	1045	1200	1200
9/16/2022 23:00	1045	1045	1200	1200
9/17/2022 0:00	1045	1045	1200	1200
9/17/2022 1:00	1045	1045	1200	1200
9/17/2022 2:00	1045	1045	1200	1200
9/17/2022 3:00	1045	1046	1200	1200
9/17/2022 4:00	1046	1046	1195	1200
9/17/2022 5:00	1046	1046	1196	1200
9/17/2022 6:00	1046	1046	1200	1200
9/17/2022 7:00	1046	1047	1199	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
9/17/2022 8:00	1047	1047	1199	1200
9/17/2022 9:00	1047	1047	1200	1200
9/17/2022 10:00	1047	1047	1200	1200
9/17/2022 11:00	1046	1047	1200	1200
9/17/2022 12:00	1046	1046	1200	1200
9/17/2022 13:00	1045	1046	1199	1200
9/17/2022 14:00	1045	1045	1188	1199
9/17/2022 15:00	1045	1045	1186	1188
9/17/2022 16:00	1044	1045	1185	1186
9/17/2022 17:00	1044	1045	1184	1185
9/17/2022 18:00	1044	1045	1183	1184
9/17/2022 19:00	1044	1044	1182	1183
9/17/2022 20:00	1044	1044	1180	1182
9/17/2022 21:00	1044	1044	1180	1181
9/17/2022 22:00	1044	1044	1181	1182
9/17/2022 23:00	1044	1045	1181	1183
9/18/2022 0:00	1045	1045	1183	1190
9/18/2022 1:00	1045	1045	1190	1193
9/18/2022 2:00	1045	1045	1193	1194
9/18/2022 3:00	1045	1045	1194	1200
9/18/2022 4:00	1045	1046	1200	1200
9/18/2022 5:00	1046	1046	1200	1200
9/18/2022 6:00	1046	1046	1200	1200
9/18/2022 7:00	1046	1046	1200	1200
9/18/2022 8:00	1045	1046	1200	1200
9/18/2022 9:00	1045	1045	1200	1200
9/18/2022 10:00	1045	1045	1200	1200
9/18/2022 11:00	1045	1045	1200	1200
9/18/2022 12:00	1044	1045	1194	1200
9/18/2022 13:00	1044	1044	1185	1194
9/18/2022 14:00	1044	1045	1184	1185
9/18/2022 15:00	1044	1045	1182	1185
9/18/2022 16:00	1044	1044	1180	1182
9/18/2022 17:00	1044	1044	1178	1180
9/18/2022 18:00	1044	1044	1175	1178
9/18/2022 19:00	1044	1044	1174	1175
9/18/2022 20:00	1044	1044	1172	1174
9/18/2022 21:00	1044	1044	1172	1174
9/18/2022 22:00	1044	1044	1174	1176
9/18/2022 23:00	1044	1044	1176	1177
9/19/2022 0:00	1044	1045	1176	1200
9/19/2022 1:00	1045	1045	1198	1200
9/19/2022 2:00	1045	1045	1193	1200
9/19/2022 3:00	1045	1045	1192	1200
9/19/2022 4:00	1045	1045	1200	1200
9/19/2022 5:00	1045	1045	1200	1200
9/19/2022 6:00	1045	1046	1200	1200
9/19/2022 7:00	1045	1046	1200	1200
9/19/2022 8:00	1045	1046	1200	1200
9/19/2022 9:00	1046	1046	1200	1200
9/19/2022 10:00	1046	1046	1185	1200
9/19/2022 11:00	1046	1046	1183	1185
9/19/2022 12:00	1046	1046	1167	1183
9/19/2022 13:00	1046	1046	1163	1167
9/19/2022 14:00	1046	1046	1161	1163
9/19/2022 15:00	1046	1046	1161	1166
9/19/2022 16:00	1046	1046	1166	1169
9/19/2022 17:00	1046	1046	1169	1172
9/19/2022 18:00	1046	1046	1172	1175
9/19/2022 19:00	1046	1046	1174	1175
9/19/2022 20:00	1046	1046	1174	1176
9/19/2022 21:00	1046	1046	1176	1195
9/19/2022 22:00	1046	1046	1195	1200
9/19/2022 23:00	1046	1047	1200	1200
9/20/2022 0:00	1046	1047	1199	1200
9/20/2022 1:00	1046	1047	1193	1199
9/20/2022 2:00	1047	1047	1193	1200
9/20/2022 3:00	1047	1047	1200	1200
9/20/2022 4:00	1047	1047	1200	1200
9/20/2022 5:00	1047	1047	1200	1200
9/20/2022 6:00	1047	1047	1200	1200
9/20/2022 7:00	1047	1047	1200	1200
9/20/2022 8:00	1047	1047	1200	1200
9/20/2022 9:00	1047	1047	1200	1200
9/20/2022 10:00	1047	1047	1200	1200
9/20/2022 11:00	1047	1047	1200	1200
9/20/2022 12:00	1047	1047	1189	1200
9/20/2022 13:00	1046	1047	1187	1189
9/20/2022 14:00	1045	1046	1187	1200
9/20/2022 15:00	1045	1046	1197	1198

**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
9/20/2022 16:00	1045	1046	1190	1200
9/20/2022 17:00	1045	1045	1192	1200
9/20/2022 18:00	1045	1045	1185	1192
9/20/2022 19:00	1045	1045	1181	1185
9/20/2022 20:00	1045	1045	1182	1184
9/20/2022 21:00	1045	1046	1184	1188
9/20/2022 22:00	1046	1046	1188	1191
9/20/2022 23:00	1046	1046	1191	1196
9/21/2022 0:00	1046	1047	1196	1198
9/21/2022 1:00	1047	1047	1196	1199
9/21/2022 2:00	1047	1047	1194	1197
9/21/2022 3:00	1047	1048	1195	1198
9/21/2022 4:00	1047	1048	1197	1200
9/21/2022 5:00	1047	1047	1200	1200
9/21/2022 6:00	1047	1047	1200	1200
9/21/2022 7:00	1047	1047	1200	1200
9/21/2022 8:00	1047	1047	1200	1200
9/21/2022 9:00	1047	1047	1200	1200
9/21/2022 10:00	1047	1047	1200	1200
9/21/2022 11:00	1047	1047	1200	1200
9/21/2022 12:00	1047	1047	1200	1200
9/21/2022 13:00	1047	1047	1200	1200
9/21/2022 14:00	0	1047	1192	1200
9/21/2022 15:00	1047	1048	1189	1192
9/21/2022 16:00	1047	1048	1189	1200
9/21/2022 17:00	1047	1047	1188	1200
9/21/2022 18:00	1047	1047	1184	1188
9/21/2022 19:00	1047	1047	1184	1185
9/21/2022 20:00	1047	1047	1183	1185
9/21/2022 21:00	1047	1047	1180	1188
9/21/2022 22:00	1047	1048	1184	1188
9/21/2022 23:00	1047	1048	1185	1192
9/22/2022 0:00	1047	1047	1192	1197
9/22/2022 1:00	1047	1048	1196	1200
9/22/2022 2:00	1048	1048	1200	1200
9/22/2022 3:00	1047	1048	1198	1200
9/22/2022 4:00	1047	1048	1197	1200
9/22/2022 5:00	1047	1048	1200	1200
9/22/2022 6:00	1047	1047	1200	1200
9/22/2022 7:00	1047	1048	1200	1200
9/22/2022 8:00	1047	1048	1200	1200
9/22/2022 9:00	1047	1047	1200	1200
9/22/2022 10:00	1047	1047	1200	1200
9/22/2022 11:00	1047	1047	1195	1200
9/22/2022 12:00	1047	1047	1184	1195
9/22/2022 13:00	1047	1047	1184	1190
9/22/2022 14:00	1047	1047	1190	1191
9/22/2022 15:00	1047	1047	1186	1190
9/22/2022 16:00	1047	1047	1187	1188
9/22/2022 17:00	1047	1047	1187	1191
9/22/2022 18:00	1047	1048	1190	1192
9/22/2022 19:00	1047	1048	1185	1190
9/22/2022 20:00	1047	1048	1184	1186
9/22/2022 21:00	1048	1048	1186	1194
9/22/2022 22:00	1048	1048	1193	1196
9/22/2022 23:00	1048	1048	1196	1200
9/23/2022 0:00	1048	1048	1196	1200
9/23/2022 1:00	1048	1048	1200	1200
9/23/2022 2:00	1048	1048	1200	1200
9/23/2022 3:00	1048	1048	1200	1200
9/23/2022 4:00	1048	1048	1200	1200
9/23/2022 5:00	1047	1048	1200	1200
9/23/2022 6:00	1047	1047	1200	1200
9/23/2022 7:00	1046	1047	1200	1200
9/23/2022 8:00	1045	1046	1200	1200
9/23/2022 9:00	1045	1046	1200	1200
9/23/2022 10:00	1045	1046	1200	1200
9/23/2022 11:00	1045	1045	1189	1200
9/23/2022 12:00	1045	1046	1185	1190
9/23/2022 13:00	1046	1046	1185	1200
9/23/2022 14:00	1046	1046	1200	1200
9/23/2022 15:00	1046	1046	1200	1200
9/23/2022 16:00	1046	1047	1198	1200
9/23/2022 17:00	1047	1047	1193	1198
9/23/2022 18:00	1047	1047	1193	1193
9/23/2022 19:00	1047	1047	1192	1193
9/23/2022 20:00	1047	1047	1192	1194
9/23/2022 21:00	1047	1048	1193	1195
9/23/2022 22:00	1048	1048	1195	1200
9/23/2022 23:00	1048	1048	1198	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
9/24/2022 0:00	1048	1048	1195	1200
9/24/2022 1:00	1048	1048	1195	1200
9/24/2022 2:00	1048	1048	1200	1200
9/24/2022 3:00	1048	1048	1200	1200
9/24/2022 4:00	1048	1048	1200	1200
9/24/2022 5:00	1048	1048	1196	1200
9/24/2022 6:00	1047	1048	1191	1196
9/24/2022 7:00	1047	1047	1191	1193
9/24/2022 8:00	1047	1047	1193	1198
9/24/2022 9:00	1047	1047	1198	1200
9/24/2022 10:00	1046	1047	1200	1200
9/24/2022 11:00	1045	1046	1196	1200
9/24/2022 12:00	1044	1045	1196	1197
9/24/2022 13:00	1044	1044	1197	1200
9/24/2022 14:00	1044	1044	1200	1200
9/24/2022 15:00	1044	1045	1198	1200
9/24/2022 16:00	1045	1047	1198	1200
9/24/2022 17:00	1047	1048	1196	1198
9/24/2022 18:00	1048	1049	1196	1196
9/24/2022 19:00	1049	1049	1194	1198
9/24/2022 20:00	1048	1049	1189	1194
9/24/2022 21:00	1048	1048	1189	1194
9/24/2022 22:00	1047	1048	1194	1200
9/24/2022 23:00	1047	1047	1200	1200
9/25/2022 0:00	1047	1047	1196	1200
9/25/2022 1:00	1046	1047	1196	1199
9/25/2022 2:00	1046	1047	1199	1200
9/25/2022 3:00	1047	1047	1200	1200
9/25/2022 4:00	1047	1047	1200	1200
9/25/2022 5:00	1047	1047	1200	1200
9/25/2022 6:00	1047	1047	1200	1200
9/25/2022 7:00	1047	1047	1200	1200
9/25/2022 8:00	1047	1047	1200	1200
9/25/2022 9:00	1047	1047	1200	1200
9/25/2022 10:00	1046	1047	1200	1200
9/25/2022 11:00	1046	1047	1200	1200
9/25/2022 12:00	1047	1047	1200	1200
9/25/2022 13:00	1047	1047	1198	1200
9/25/2022 14:00	1046	1047	1197	1198
9/25/2022 15:00	1046	1046	1197	1199
9/25/2022 16:00	1046	1046	1199	1200
9/25/2022 17:00	1046	1047	1200	1200
9/25/2022 18:00	1047	1047	1200	1200
9/25/2022 19:00	1047	1048	1200	1200
9/25/2022 20:00	1048	1048	1200	1200
9/25/2022 21:00	1048	1048	1195	1200
9/25/2022 22:00	1047	1048	1191	1195
9/25/2022 23:00	1047	1047	1191	1192
9/26/2022 0:00	1047	1048	1191	1192
9/26/2022 1:00	1047	1048	1191	1196
9/26/2022 2:00	1047	1047	1196	1200
9/26/2022 3:00	1047	1047	1197	1200
9/26/2022 4:00	1046	1047	1199	1200
9/26/2022 5:00	1046	1047	1200	1200
9/26/2022 6:00	1047	1047	1200	1200
9/26/2022 7:00	1047	1047	1200	1200
9/26/2022 8:00	1047	1048	1200	1200
9/26/2022 9:00	1048	1048	1200	1200
9/26/2022 10:00	1048	1048	1200	1200
9/26/2022 11:00	1048	1048	1195	1200
9/26/2022 12:00	1048	1048	1195	1199
9/26/2022 13:00	1048	1048	1195	1199
9/26/2022 14:00	1048	1048	1191	1197
9/26/2022 15:00	1048	1049	1187	1191
9/26/2022 16:00	1049	1049	1185	1188
9/26/2022 17:00	1049	1050	1185	1191
9/26/2022 18:00	1049	1050	1191	1195
9/26/2022 19:00	1049	1049	1194	1195
9/26/2022 20:00	1048	1049	1194	1197
9/26/2022 21:00	1048	1048	1197	1200
9/26/2022 22:00	1048	1048	1200	1200
9/26/2022 23:00	1048	1048	1200	1200
9/27/2022 0:00	1048	1048	1200	1200
9/27/2022 1:00	1048	1048	1200	1200
9/27/2022 2:00	1047	1048	1198	1200
9/27/2022 3:00	1047	1047	1198	1200
9/27/2022 4:00	1047	1047	1198	1200
9/27/2022 5:00	1047	1047	1200	1200
9/27/2022 6:00	1047	1047	1200	1200
9/27/2022 7:00	1047	1047	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
9/27/2022 8:00	1047	1047	1200	1200
9/27/2022 9:00	1046	1047	1200	1200
9/27/2022 10:00	1046	1046	1200	1200
9/27/2022 10:00	1046	1047	1200	1200
9/27/2022 11:00	1046	1046	1200	1200
9/27/2022 11:00	1047	1047	1200	1200
9/27/2022 12:00	1046	1046	1200	1200
9/27/2022 13:00	1046	1046	1200	1200
9/27/2022 14:00	1046	1046	1198	1200
9/27/2022 15:00	1045	1046	1198	1200
9/27/2022 16:00	1044	1045	1198	1200
9/27/2022 17:00	1042	1044	1200	1200
9/27/2022 18:00	1041	1042	1200	1200
9/27/2022 19:00	1040	1041	1200	1200
9/27/2022 20:00	1040	1040	1200	1200
9/27/2022 21:00	1040	1040	1082	1200
9/27/2022 22:00	1040	1040	1080	1082
9/27/2022 23:00	1040	1042	1079	1080
9/28/2022 0:00	1042	1042	1078	1079
9/28/2022 1:00	1042	1042	1078	1079
9/28/2022 2:00	1042	1042	1075	1078
9/28/2022 3:00	1042	1043	1074	1076
9/28/2022 4:00	1043	1044	1076	1079
9/28/2022 5:00	1044	1045	1079	1080
9/28/2022 6:00	1044	1045	1080	1082
9/28/2022 7:00	1044	1044	1075	1081
9/28/2022 8:00	1044	1044	1076	1080
9/28/2022 9:00	1044	1044	1079	1081
9/28/2022 10:00	1043	1044	1076	1081
9/28/2022 11:00	1042	1043	1078	1080
9/28/2022 12:00	1041	1042	1080	1080
9/28/2022 13:00	1041	1041	1076	1081
9/28/2022 14:00	1040	1041	1076	1078
9/28/2022 15:00	1039	1040	1078	1079
9/28/2022 16:00	1037	1039	1079	1079
9/28/2022 17:00	1037	1038	1079	1080
9/28/2022 18:00	1038	1038	1074	1080
9/28/2022 19:00	1038	1038	1074	1079
9/28/2022 20:00	1038	1038	1079	1079
9/28/2022 21:00	1037	1038	1078	1079
9/28/2022 22:00	1037	1037	1078	1079
9/28/2022 23:00	1036	1037	1078	1079
9/29/2022 0:00	1036	1037	1077	1079
9/29/2022 1:00	1036	1037	1077	1078
9/29/2022 2:00	1036	1036	1078	1078
9/29/2022 3:00	1036	1036	1077	1078
9/29/2022 4:00	1036	1037	1078	1080
9/29/2022 5:00	1037	1037	1080	1080
9/29/2022 6:00	1037	1037	1078	1080
9/29/2022 7:00	1037	1038	1080	1082
9/29/2022 8:00	1038	1038	1080	1082
9/29/2022 9:00	1038	1038	1078	1080
9/29/2022 10:00	1038	1038	1078	1079
9/29/2022 11:00	1038	1038	1078	1079
9/29/2022 12:00	1038	1038	1077	1079
9/29/2022 13:00	1038	1038	1077	1079
9/29/2022 14:00	1038	1038	1077	1080
9/29/2022 15:00	1038	1038	1080	1081
9/29/2022 16:00	1038	1038	1081	1082
9/29/2022 17:00	1038	1038	1081	1081
9/29/2022 18:00	1038	1038	1079	1081
9/29/2022 19:00	1038	1038	1079	1081
9/29/2022 20:00	1037	1038	1081	1081
9/29/2022 21:00	1037	1037	1081	1082
9/29/2022 22:00	1037	1039	1079	1082
9/29/2022 23:00	1039	1048	1079	1080
9/30/2022 0:00	1048	1054	1076	1080
9/30/2022 1:00	1054	1054	1076	1080
9/30/2022 2:00	1051	1054	1076	1080
9/30/2022 3:00	1048	1051	1076	1079
9/30/2022 4:00	1043	1048	1078	1082
9/30/2022 5:00	1040	1043	1082	1200
9/30/2022 6:00	1038	1040	1200	1200
9/30/2022 7:00	1038	1039	1198	1200
9/30/2022 8:00	1039	1039	1200	1200
9/30/2022 9:00	1039	1040	1200	1200
9/30/2022 10:00	1040	1040	1200	1200
9/30/2022 11:00	1040	1040	1200	1200
9/30/2022 12:00	1040	1040	1200	1200
9/30/2022 13:00	1040	1040	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
9/30/2022 14:00	1040	1041	1199	1200
9/30/2022 15:00	1040	1041	1191	1199
9/30/2022 16:00	1039	1040	1189	1191
9/30/2022 17:00	1039	1039	1188	1191
9/30/2022 18:00	1039	1039	1191	1200
9/30/2022 19:00	1039	1039	1200	1200
9/30/2022 20:00	1039	1040	1200	1200
9/30/2022 21:00	1040	1044	1199	1200
9/30/2022 22:00	1044	1048	1194	1199
9/30/2022 23:00	1048	1050	1194	1200