



825 Rice Street  
Saint Paul, MN 55117

March 20, 2023

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 February 2023 as required by N.D. PU-23-13.

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

Sincerely,

A handwritten signature in black ink that reads 'Jeffrey Cremin'.

Jeffrey Cremin  
Manager Gas  
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
2/1/2023 0:00	1045	1046	1159	1160
2/1/2023 1:00	1045	1045	1160	1162
2/1/2023 2:00	1045	1045	1161	1163
2/1/2023 3:00	1045	1047	1160	1161
2/1/2023 4:00	1047	1047	1160	1163
2/1/2023 5:00	1046	1047	1155	1162
2/1/2023 6:00	1044	1046	1151	1155
2/1/2023 7:00	1043	1044	1150	1151
2/1/2023 8:00	1043	1043	1150	1152
2/1/2023 9:00	1043	1043	1152	1152
2/1/2023 10:00	1043	1045	1152	1154
2/1/2023 11:00	1045	1046	1154	1157
2/1/2023 12:00	1046	1046	1156	1157
2/1/2023 13:00	1045	1046	1156	1157
2/1/2023 14:00	1044	1045	1156	1157
2/1/2023 15:00	1043	1044	1156	1157
2/1/2023 16:00	1041	1043	1157	1158
2/1/2023 17:00	1039	1041	1157	1158
2/1/2023 18:00	1038	1039	1157	1158
2/1/2023 19:00	1037	1038	1158	1159
2/1/2023 20:00	1036	1037	1159	1160
2/1/2023 21:00	1036	1041	1159	1160
2/1/2023 22:00	1040	1041	1160	1160
2/1/2023 23:00	1040	1040	1160	1161
2/2/2023 0:00	1040	1040	1160	1161
2/2/2023 1:00	1040	1040	1161	1162
2/2/2023 2:00	1040	1040	1161	1163
2/2/2023 3:00	1040	1040	1160	1161
2/2/2023 4:00	1040	1040	1157	1160
2/2/2023 5:00	1040	1040	1154	1157
2/2/2023 6:00	1040	1040	1154	1155
2/2/2023 7:00	1040	1040	1155	1159
2/2/2023 8:00	1037	1040	1157	1159
2/2/2023 9:00	1037	1037	1157	1160
2/2/2023 10:00	1037	1037	1160	1164
2/2/2023 11:00	1037	1037	1164	1165
2/2/2023 12:00	1037	1037	1164	1167
2/2/2023 13:00	1036	1037	1165	1167
2/2/2023 14:00	1036	1036	1161	1165
2/2/2023 15:00	1036	1036	1161	1161
2/2/2023 16:00	1036	1036	1159	1161
2/2/2023 17:00	1036	1036	1159	1161
2/2/2023 18:00	1036	1036	1161	1164
2/2/2023 19:00	1036	1036	1164	1167
2/2/2023 20:00	1036	1036	1167	1167
2/2/2023 21:00	1036	1036	1165	1167
2/2/2023 22:00	1036	1037	1165	1169
2/2/2023 23:00	1037	1037	1169	1170
2/3/2023 0:00	1037	1037	1170	1171
2/3/2023 1:00	1037	1037	1171	1172
2/3/2023 2:00	1037	1037	1172	1173
2/3/2023 3:00	1037	1037	1171	1173
2/3/2023 4:00	1037	1037	1163	1172
2/3/2023 5:00	1037	1037	1160	1163
2/3/2023 6:00	1037	1037	1158	1160
2/3/2023 7:00	1037	1037	1158	1160
2/3/2023 8:00	1036	1037	1158	1160
2/3/2023 9:00	1036	1036	1158	1160
2/3/2023 10:00	1036	1038	1160	1165
2/3/2023 11:00	1038	1038	1165	1170
2/3/2023 12:00	1038	1039	1169	1170
2/3/2023 13:00	1038	1039	1166	1169
2/3/2023 14:00	1038	1039	1165	1166
2/3/2023 15:00	1039	1039	1165	1167
2/3/2023 16:00	1039	1039	1164	1167
2/3/2023 17:00	1039	1039	1162	1164
2/3/2023 18:00	1039	1039	1160	1162
2/3/2023 19:00	1039	1039	1159	1160
2/3/2023 20:00	1039	1039	1159	1160
2/3/2023 21:00	1039	1039	1159	1160
2/3/2023 22:00	1039	1039	1159	1159
2/3/2023 23:00	1039	1039	1159	1159

**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
2/4/2023 0:00	1039	1039	1159	1160
2/4/2023 1:00	1039	1039	1159	1160
2/4/2023 2:00	1039	1039	1158	1159
2/4/2023 3:00	1039	1041	1158	1160
2/4/2023 4:00	1041	1041	1157	1160
2/4/2023 5:00	1041	1041	1156	1157
2/4/2023 6:00	1041	1041	1152	1156
2/4/2023 7:00	1041	1041	1150	1152
2/4/2023 8:00	1041	1043	1150	1151
2/4/2023 9:00	1043	1044	1150	1153
2/4/2023 10:00	1044	1044	1153	1155
2/4/2023 11:00	1043	1044	1154	1155
2/4/2023 12:00	1043	1043	1154	1155
2/4/2023 13:00	1043	1043	1155	1158
2/4/2023 14:00	1043	1043	1157	1158
2/4/2023 15:00	1043	1043	1157	1159
2/4/2023 16:00	1043	1043	1158	1159
2/4/2023 17:00	1043	1043	1158	1158
2/4/2023 18:00	1043	1043	1158	1159
2/4/2023 19:00	1043	1043	1159	1160
2/4/2023 20:00	1043	1043	1160	1160
2/4/2023 21:00	1043	1043	1160	1161
2/4/2023 22:00	1042	1043	1160	1161
2/4/2023 23:00	1042	1042	1161	1161
2/5/2023 0:00	1042	1042	1161	1162
2/5/2023 1:00	1042	1042	1162	1162
2/5/2023 2:00	1042	1042	1162	1163
2/5/2023 3:00	1042	1042	1163	1163
2/5/2023 4:00	1042	1042	1161	1163
2/5/2023 5:00	1042	1042	1160	1161
2/5/2023 6:00	1042	1043	1161	1161
2/5/2023 7:00	1043	1043	1161	1164
2/5/2023 8:00	1043	1043	1164	1167
2/5/2023 9:00	1043	1044	1167	1170
2/5/2023 10:00	1044	1044	1170	1174
2/5/2023 11:00	1044	1044	1169	1174
2/5/2023 12:00	1044	1044	1169	1170
2/5/2023 13:00	1044	1044	1169	1175
2/5/2023 14:00	1044	1044	1175	1178
2/5/2023 15:00	1043	1044	1178	1179
2/5/2023 16:00	1043	1044	1177	1178
2/5/2023 17:00	1043	1044	1176	1177
2/5/2023 18:00	1043	1043	1176	1178
2/5/2023 19:00	1043	1043	1178	1181
2/5/2023 20:00	1043	1043	1178	1181
2/5/2023 21:00	1043	1043	1176	1179
2/5/2023 22:00	1043	1043	1179	1179
2/5/2023 23:00	1043	1043	1179	1180
2/6/2023 0:00	1043	1043	1180	1184
2/6/2023 1:00	1043	1043	1184	1185
2/6/2023 2:00	1043	1043	1179	1184
2/6/2023 3:00	1043	1043	1176	1179
2/6/2023 4:00	1043	1043	1176	1180
2/6/2023 5:00	1043	1043	1177	1180
2/6/2023 6:00	1043	1043	1174	1177
2/6/2023 7:00	1043	1043	1174	1176
2/6/2023 8:00	1043	1044	1173	1174
2/6/2023 9:00	1044	1044	1173	1175
2/6/2023 10:00	1044	1044	1175	1181
2/6/2023 11:00	1044	1044	1181	1187
2/6/2023 12:00	1044	1044	1185	1187
2/6/2023 13:00	1044	1044	1185	1186
2/6/2023 14:00	1044	1044	1185	1187
2/6/2023 15:00	1044	1044	1183	1187
2/6/2023 16:00	1044	1044	1182	1185
2/6/2023 17:00	1044	1044	1181	1184
2/6/2023 18:00	1044	1044	1178	1181
2/6/2023 19:00	1044	1044	1176	1179
2/6/2023 20:00	1044	1044	1173	1176
2/6/2023 21:00	1044	1045	1172	1173
2/6/2023 22:00	1045	1045	1173	1173
2/6/2023 23:00	1045	1045	1173	1174
2/7/2023 0:00	1045	1045	1174	1175
2/7/2023 1:00	1044	1045	1175	1182
2/7/2023 2:00	1044	1044	1182	1185
2/7/2023 3:00	1044	1044	1182	1185
2/7/2023 4:00	1043	1044	1180	1182
2/7/2023 5:00	1043	1044	1180	1181
2/7/2023 6:00	1044	1044	1181	1182
2/7/2023 7:00	1043	1044	1179	1181

**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
2/7/2023 8:00	1043	1044	1179	1180
2/7/2023 9:00	1043	1044	1180	1180
2/7/2023 10:00	1043	1044	1179	1180
2/7/2023 11:00	1043	1044	1179	1180
2/7/2023 12:00	1043	1043	1180	1181
2/7/2023 13:00	1043	1043	1180	1181
2/7/2023 14:00	1043	1044	1180	1182
2/7/2023 15:00	1043	1044	1181	1182
2/7/2023 16:00	1043	1043	1181	1182
2/7/2023 17:00	1043	1044	1177	1182
2/7/2023 18:00	1044	1044	1177	1183
2/7/2023 19:00	1044	1044	1181	1183
2/7/2023 20:00	1044	1044	1181	1185
2/7/2023 21:00	1044	1044	1185	1187
2/7/2023 22:00	1044	1044	1187	1189
2/7/2023 23:00	1043	1044	1189	1191
2/8/2023 0:00	1043	1044	1189	1190
2/8/2023 1:00	1044	1044	1190	1192
2/8/2023 2:00	1044	1044	1192	1194
2/8/2023 3:00	1044	1044	1193	1195
2/8/2023 4:00	1044	1044	1192	1195
2/8/2023 5:00	1044	1044	1189	1192
2/8/2023 6:00	1044	1044	1187	1189
2/8/2023 7:00	1043	1044	1185	1187
2/8/2023 8:00	1043	1044	1184	1185
2/8/2023 9:00	1043	1044	1184	1186
2/8/2023 10:00	1043	1043	1185	1186
2/8/2023 11:00	1043	1043	1186	1187
2/8/2023 12:00	1043	1043	1187	1188
2/8/2023 13:00	1043	1043	1188	1189
2/8/2023 14:00	1042	1043	1189	1189
2/8/2023 15:00	1042	1043	1186	1189
2/8/2023 16:00	1043	1043	1185	1186
2/8/2023 17:00	1043	1043	1186	1190
2/8/2023 18:00	1043	1043	1189	1192
2/8/2023 19:00	1043	1043	1187	1192
2/8/2023 20:00	1043	1044	1187	1187
2/8/2023 21:00	1043	1044	1187	1189
2/8/2023 22:00	1043	1043	1189	1190
2/8/2023 23:00	1043	1043	1190	1197
2/9/2023 0:00	1043	1043	1197	1198
2/9/2023 1:00	1043	1043	1198	1200
2/9/2023 2:00	1043	1044	1200	1200
2/9/2023 3:00	1043	1044	1200	1200
2/9/2023 4:00	1043	1044	1200	1200
2/9/2023 5:00	1043	1044	1200	1200
2/9/2023 6:00	1043	1043	1195	1200
2/9/2023 7:00	1043	1043	1195	1195
2/9/2023 8:00	1042	1043	1194	1196
2/9/2023 9:00	1042	1042	1194	1196
2/9/2023 10:00	1042	1042	1193	1194
2/9/2023 11:00	1042	1042	1193	1193
2/9/2023 12:00	1042	1043	1190	1193
2/9/2023 13:00	1043	1043	1189	1190
2/9/2023 14:00	1043	1043	1189	1194
2/9/2023 15:00	1042	1043	1194	1198
2/9/2023 16:00	1042	1043	1183	1197
2/9/2023 17:00	1043	1043	1182	1183
2/9/2023 18:00	1043	1043	1174	1182
2/9/2023 19:00	1043	1043	1174	1179
2/9/2023 20:00	1043	1043	1179	1180
2/9/2023 21:00	1043	1043	1173	1180
2/9/2023 22:00	1043	1043	1175	1177
2/9/2023 23:00	1043	1043	1173	1177
2/10/2023 0:00	1043	1043	1171	1173
2/10/2023 1:00	1042	1043	1173	1174
2/10/2023 2:00	1042	1042	1173	1175
2/10/2023 3:00	1042	1042	1175	1176
2/10/2023 4:00	1042	1042	1172	1176
2/10/2023 5:00	1042	1042	1171	1172
2/10/2023 6:00	1042	1042	1171	1171
2/10/2023 7:00	1042	1042	1171	1171
2/10/2023 8:00	1042	1042	1171	1173
2/10/2023 9:00	1042	1042	1172	1173
2/10/2023 10:00	1042	1042	1173	1176
2/10/2023 11:00	1042	1042	1174	1176
2/10/2023 12:00	1042	1042	1175	1176
2/10/2023 13:00	1042	1042	1174	1176
2/10/2023 14:00	1041	1042	1174	1175
2/10/2023 15:00	1041	1041	1175	1178

**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
2/10/2023 16:00	1041	1042	1175	1178
2/10/2023 17:00	1042	1042	1173	1176
2/10/2023 18:00	1042	1042	1168	1173
2/10/2023 19:00	1042	1042	1166	1168
2/10/2023 20:00	1042	1042	1165	1166
2/10/2023 21:00	1042	1042	1165	1166
2/10/2023 22:00	1042	1042	1166	1167
2/10/2023 23:00	1042	1042	1166	1166
2/11/2023 0:00	1042	1042	1166	1168
2/11/2023 1:00	1042	1042	1167	1168
2/11/2023 2:00	1041	1042	1166	1167
2/11/2023 3:00	1041	1041	1164	1166
2/11/2023 4:00	1041	1042	1163	1166
2/11/2023 5:00	1042	1042	1162	1163
2/11/2023 6:00	1042	1042	1163	1164
2/11/2023 7:00	1042	1042	1164	1167
2/11/2023 8:00	1042	1042	1167	1167
2/11/2023 9:00	1042	1042	1167	1170
2/11/2023 10:00	1042	1042	1170	1171
2/11/2023 11:00	1042	1042	1170	1172
2/11/2023 12:00	1042	1042	1172	1172
2/11/2023 13:00	1042	1042	1171	1172
2/11/2023 14:00	1042	1042	1171	1173
2/11/2023 15:00	1042	1042	1173	1174
2/11/2023 16:00	1042	1042	1174	1175
2/11/2023 17:00	1042	1042	1172	1174
2/11/2023 18:00	1042	1042	1171	1172
2/11/2023 19:00	1042	1042	1169	1171
2/11/2023 20:00	1042	1043	1168	1169
2/11/2023 21:00	1043	1043	1168	1169
2/11/2023 22:00	1043	1043	1168	1171
2/11/2023 23:00	1043	1043	1171	1175
2/12/2023 0:00	1043	1043	1175	1176
2/12/2023 1:00	1043	1043	1175	1176
2/12/2023 2:00	1043	1043	1176	1180
2/12/2023 3:00	1043	1043	1175	1180
2/12/2023 4:00	1043	1043	1174	1175
2/12/2023 5:00	1043	1043	1172	1174
2/12/2023 6:00	1043	1043	1172	1174
2/12/2023 7:00	1043	1043	1174	1176
2/12/2023 8:00	1043	1043	1175	1176
2/12/2023 9:00	1043	1043	1175	1175
2/12/2023 10:00	1042	1043	1175	1176
2/12/2023 11:00	1042	1042	1175	1176
2/12/2023 12:00	1042	1042	1174	1175
2/12/2023 13:00	1042	1042	1175	1176
2/12/2023 14:00	1041	1042	1172	1176
2/12/2023 15:00	1041	1041	1168	1172
2/12/2023 16:00	1041	1042	1168	1169
2/12/2023 17:00	1042	1042	1169	1170
2/12/2023 18:00	1042	1042	1168	1170
2/12/2023 19:00	1042	1042	1168	1170
2/12/2023 20:00	1042	1042	1169	1170
2/12/2023 21:00	1042	1042	1165	1169
2/12/2023 22:00	1042	1043	1165	1167
2/12/2023 23:00	1042	1043	1167	1171
2/13/2023 0:00	1042	1042	1170	1171
2/13/2023 1:00	1042	1042	1170	1174
2/13/2023 2:00	1042	1042	1174	1177
2/13/2023 3:00	1042	1043	1177	1178
2/13/2023 4:00	1042	1043	1178	1181
2/13/2023 5:00	1042	1042	1180	1181
2/13/2023 6:00	1042	1042	1180	1180
2/13/2023 7:00	1042	1043	1180	1180
2/13/2023 8:00	1043	1043	1178	1181
2/13/2023 9:00	1043	1043	1180	1181
2/13/2023 10:00	1043	1043	1179	1181
2/13/2023 11:00	1042	1043	1176	1179
2/13/2023 12:00	1042	1042	1176	1177
2/13/2023 13:00	1042	1042	1177	1177
2/13/2023 14:00	1042	1042	1177	1177
2/13/2023 15:00	1042	1042	1176	1177
2/13/2023 16:00	1042	1042	1176	1177
2/13/2023 17:00	1042	1042	1175	1176
2/13/2023 18:00	1042	1042	1175	1178
2/13/2023 19:00	1042	1042	1177	1178
2/13/2023 20:00	1042	1042	1177	1178
2/13/2023 21:00	1042	1042	1174	1177
2/13/2023 22:00	1042	1042	1174	1174
2/13/2023 23:00	1042	1042	1173	1176

**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
2/14/2023 0:00	1042	1043	1176	1176
2/14/2023 1:00	1042	1043	1175	1176
2/14/2023 2:00	1042	1042	1175	1176
2/14/2023 3:00	1042	1042	1176	1178
2/14/2023 4:00	1042	1042	1177	1178
2/14/2023 5:00	1042	1042	1173	1177
2/14/2023 6:00	1042	1042	1171	1173
2/14/2023 7:00	1042	1042	1173	1176
2/14/2023 8:00	1042	1042	1176	1178
2/14/2023 9:00	1042	1042	1178	1181
2/14/2023 10:00	1042	1042	1181	1183
2/14/2023 11:00	1042	1042	1183	1184
2/14/2023 12:00	1042	1042	1183	1184
2/14/2023 13:00	1042	1042	1182	1183
2/14/2023 14:00	1042	1042	1181	1182
2/14/2023 15:00	1042	1042	1180	1181
2/14/2023 16:00	1042	1042	1179	1180
2/14/2023 17:00	1042	1042	1179	1179
2/14/2023 18:00	1042	1042	1179	1179
2/14/2023 19:00	1042	1042	1178	1179
2/14/2023 20:00	1042	1042	1178	1178
2/14/2023 21:00	1042	1042	1177	1178
2/14/2023 22:00	1042	1043	1177	1179
2/14/2023 23:00	1042	1043	1179	1179
2/15/2023 0:00	1042	1042	1179	1185
2/15/2023 1:00	1042	1042	1185	1186
2/15/2023 2:00	1042	1042	1186	1187
2/15/2023 3:00	1042	1043	1183	1187
2/15/2023 4:00	1042	1043	1173	1183
2/15/2023 5:00	1042	1042	1172	1175
2/15/2023 6:00	1042	1042	1175	1177
2/15/2023 7:00	1042	1042	1177	1178
2/15/2023 8:00	1042	1042	1178	1179
2/15/2023 9:00	1042	1042	1178	1179
2/15/2023 10:00	1042	1042	1179	1180
2/15/2023 11:00	1042	1042	1177	1180
2/15/2023 12:00	1042	1042	1172	1177
2/15/2023 13:00	1042	1042	1171	1172
2/15/2023 14:00	1042	1042	1171	1171
2/15/2023 15:00	1042	1042	1171	1171
2/15/2023 16:00	1042	1042	1169	1171
2/15/2023 17:00	1042	1042	1169	1169
2/15/2023 18:00	1042	1042	1167	1169
2/15/2023 19:00	1042	1042	1167	1167
2/15/2023 20:00	1042	1042	1167	1169
2/15/2023 21:00	1042	1042	1168	1169
2/15/2023 22:00	1042	1042	1166	1168
2/15/2023 23:00	1042	1042	1166	1166
2/16/2023 0:00	1042	1042	1165	1166
2/16/2023 1:00	1042	1042	1165	1165
2/16/2023 2:00	1042	1042	1162	1165
2/16/2023 3:00	1042	1043	1160	1162
2/16/2023 4:00	1043	1043	1158	1160
2/16/2023 5:00	1043	1043	1154	1158
2/16/2023 6:00	1042	1043	1151	1155
2/16/2023 7:00	1042	1043	1151	1152
2/16/2023 8:00	1043	1043	1150	1152
2/16/2023 9:00	1043	1043	1150	1154
2/16/2023 10:00	1043	1043	1154	1154
2/16/2023 11:00	1042	1043	1154	1155
2/16/2023 12:00	1042	1043	1154	1156
2/16/2023 13:00	1043	1043	1156	1157
2/16/2023 14:00	1043	1043	1157	1159
2/16/2023 15:00	1043	1043	1159	1159
2/16/2023 16:00	1043	1043	1159	1159
2/16/2023 17:00	1043	1043	1158	1159
2/16/2023 18:00	1043	1043	1155	1158
2/16/2023 19:00	1043	1043	1156	1157
2/16/2023 20:00	1043	1043	1157	1159
2/16/2023 21:00	1043	1043	1159	1159
2/16/2023 22:00	1043	1043	1159	1160
2/16/2023 23:00	1043	1043	1160	1162
2/17/2023 0:00	1043	1043	1162	1162
2/17/2023 1:00	1043	1043	1162	1165
2/17/2023 2:00	1043	1043	1165	1166
2/17/2023 3:00	1043	1043	1164	1166
2/17/2023 4:00	1042	1043	1164	1165
2/17/2023 5:00	1042	1042	1165	1167
2/17/2023 6:00	1042	1042	1167	1168
2/17/2023 7:00	1042	1042	1165	1167

**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
2/17/2023 8:00	1042	1042	1164	1165
2/17/2023 9:00	1042	1042	1163	1165
2/17/2023 10:00	1042	1042	1164	1165
2/17/2023 11:00	1042	1042	1163	1164
2/17/2023 12:00	1042	1042	1163	1163
2/17/2023 13:00	1042	1042	1163	1168
2/17/2023 14:00	1042	1042	1167	1168
2/17/2023 15:00	1042	1043	1164	1167
2/17/2023 16:00	1043	1043	1163	1164
2/17/2023 17:00	1043	1043	1161	1163
2/17/2023 18:00	1043	1043	1160	1161
2/17/2023 19:00	1043	1043	1159	1160
2/17/2023 20:00	1043	1043	1158	1159
2/17/2023 21:00	1043	1043	1159	1161
2/17/2023 22:00	1043	1043	1161	1162
2/17/2023 23:00	1043	1043	1160	1162
2/18/2023 0:00	1043	1043	1160	1161
2/18/2023 1:00	1043	1043	1161	1162
2/18/2023 2:00	1043	1043	1162	1162
2/18/2023 3:00	1043	1043	1161	1162
2/18/2023 4:00	1043	1043	1161	1161
2/18/2023 5:00	1043	1043	1161	1161
2/18/2023 6:00	1043	1043	1161	1163
2/18/2023 7:00	1042	1043	1163	1166
2/18/2023 8:00	1042	1043	1166	1167
2/18/2023 9:00	1043	1043	1167	1168
2/18/2023 10:00	1042	1043	1167	1168
2/18/2023 11:00	1042	1042	1167	1168
2/18/2023 12:00	1042	1042	1167	1168
2/18/2023 13:00	1042	1043	1167	1167
2/18/2023 14:00	1043	1043	1167	1168
2/18/2023 15:00	1043	1043	1167	1168
2/18/2023 16:00	1043	1043	1167	1168
2/18/2023 17:00	1043	1043	1168	1170
2/18/2023 18:00	1043	1043	1170	1172
2/18/2023 19:00	1043	1044	1168	1172
2/18/2023 20:00	1043	1044	1168	1172
2/18/2023 21:00	1043	1043	1172	1175
2/18/2023 22:00	1043	1044	1173	1174
2/18/2023 23:00	1043	1044	1173	1173
2/19/2023 0:00	1043	1043	1173	1174
2/19/2023 1:00	1043	1043	1174	1177
2/19/2023 2:00	1043	1043	1177	1180
2/19/2023 3:00	1043	1043	1180	1181
2/19/2023 4:00	1043	1043	1176	1181
2/19/2023 5:00	1043	1043	1175	1177
2/19/2023 6:00	1043	1043	1175	1176
2/19/2023 7:00	1043	1043	1176	1178
2/19/2023 8:00	1043	1043	1178	1181
2/19/2023 9:00	1043	1043	1181	1185
2/19/2023 10:00	1043	1043	1185	1187
2/19/2023 11:00	1043	1043	1186	1188
2/19/2023 12:00	1043	1043	1184	1186
2/19/2023 13:00	1043	1043	1177	1184
2/19/2023 14:00	1043	1043	1177	1178
2/19/2023 15:00	1043	1043	1176	1178
2/19/2023 16:00	1043	1043	1176	1177
2/19/2023 17:00	1043	1043	1174	1176
2/19/2023 18:00	1043	1044	1174	1176
2/19/2023 19:00	1043	1044	1175	1176
2/19/2023 20:00	1043	1043	1174	1175
2/19/2023 21:00	1043	1043	1172	1174
2/19/2023 22:00	1043	1043	1172	1172
2/19/2023 23:00	1043	1043	1170	1172
2/20/2023 0:00	1043	1043	1170	1170
2/20/2023 1:00	1043	1043	1170	1171
2/20/2023 2:00	1043	1043	1171	1173
2/20/2023 3:00	1042	1043	1173	1175
2/20/2023 4:00	1042	1042	1175	1175
2/20/2023 5:00	1042	1042	1175	1178
2/20/2023 6:00	1042	1042	1177	1178
2/20/2023 7:00	1042	1042	1177	1178
2/20/2023 8:00	1042	1042	1178	1178
2/20/2023 9:00	1042	1043	1178	1179
2/20/2023 10:00	1043	1043	1177	1179
2/20/2023 11:00	1043	1043	1177	1178
2/20/2023 12:00	1043	1043	1174	1178
2/20/2023 13:00	1043	1043	1172	1174
2/20/2023 14:00	1043	1043	1170	1172
2/20/2023 15:00	1043	1043	1168	1170

**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
2/20/2023 16:00	1043	1043	1166	1168
2/20/2023 17:00	1043	1043	1166	1168
2/20/2023 18:00	1043	1043	1168	1169
2/20/2023 19:00	1043	1043	1169	1169
2/20/2023 20:00	1043	1043	1169	1170
2/20/2023 21:00	1043	1043	1170	1172
2/20/2023 22:00	1043	1043	1172	1173
2/20/2023 23:00	1042	1043	1171	1173
2/21/2023 0:00	1042	1043	1171	1172
2/21/2023 1:00	1042	1043	1172	1172
2/21/2023 2:00	1042	1043	1172	1172
2/21/2023 3:00	1042	1043	1170	1172
2/21/2023 4:00	1042	1042	1168	1170
2/21/2023 5:00	1042	1042	1168	1169
2/21/2023 6:00	1042	1042	1168	1171
2/21/2023 7:00	1042	1042	1171	1173
2/21/2023 8:00	1042	1043	1172	1173
2/21/2023 9:00	1042	1043	1173	1176
2/21/2023 10:00	1042	1042	1176	1178
2/21/2023 11:00	1042	1042	1173	1178
2/21/2023 12:00	1042	1042	1171	1173
2/21/2023 13:00	1042	1042	1170	1171
2/21/2023 14:00	1042	1042	1169	1170
2/21/2023 15:00	1042	1042	1168	1169
2/21/2023 16:00	1042	1042	1168	1169
2/21/2023 17:00	1042	1042	1169	1169
2/21/2023 18:00	1042	1042	1167	1169
2/21/2023 19:00	1042	1043	1167	1167
2/21/2023 20:00	1043	1043	1166	1167
2/21/2023 21:00	1043	1043	1162	1166
2/21/2023 22:00	1043	1043	1162	1165
2/21/2023 23:00	1043	1043	1163	1165
2/22/2023 0:00	1043	1043	1162	1165
2/22/2023 1:00	1043	1043	1165	1167
2/22/2023 2:00	1043	1043	1167	1167
2/22/2023 3:00	1043	1043	1165	1167
2/22/2023 4:00	1042	1043	1164	1165
2/22/2023 5:00	1042	1043	1164	1164
2/22/2023 6:00	1043	1043	1164	1164
2/22/2023 7:00	1043	1043	1163	1164
2/22/2023 8:00	1043	1043	1162	1163
2/22/2023 9:00	1042	1043	1159	1162
2/22/2023 10:00	1042	1043	1159	1163
2/22/2023 11:00	1043	1043	1161	1163
2/22/2023 12:00	1043	1043	1157	1162
2/22/2023 13:00	1043	1043	1159	1161
2/22/2023 14:00	1043	1043	1161	1162
2/22/2023 15:00	1043	1043	1158	1162
2/22/2023 16:00	1043	1043	1158	1160
2/22/2023 17:00	1043	1043	1157	1159
2/22/2023 18:00	1043	1043	1158	1163
2/22/2023 19:00	1043	1043	1161	1163
2/22/2023 20:00	1043	1043	1159	1161
2/22/2023 21:00	1043	1043	1157	1159
2/22/2023 22:00	1043	1043	1153	1157
2/22/2023 23:00	1043	1043	1146	1153
2/23/2023 0:00	1043	1043	1146	1149
2/23/2023 1:00	1043	1043	1149	1149
2/23/2023 2:00	1043	1043	1147	1149
2/23/2023 3:00	1043	1043	1147	1150
2/23/2023 4:00	1043	1043	1150	1152
2/23/2023 5:00	1043	1043	1150	1150
2/23/2023 6:00	1043	1043	1148	1154
2/23/2023 7:00	1043	1043	1145	1154
2/23/2023 8:00	1043	1043	1144	1145
2/23/2023 9:00	1043	1043	1143	1145
2/23/2023 10:00	1043	1043	1143	1144
2/23/2023 11:00	1043	1043	1142	1144
2/23/2023 12:00	1043	1043	1142	1143
2/23/2023 13:00	1043	1043	1143	1144
2/23/2023 14:00	1043	1043	1144	1144
2/23/2023 15:00	1043	1043	1144	1144
2/23/2023 16:00	1043	1043	1144	1144
2/23/2023 17:00	1043	1043	1144	1146
2/23/2023 18:00	1043	1043	1145	1146
2/23/2023 19:00	1043	1043	1146	1147
2/23/2023 20:00	1043	1043	1147	1147
2/23/2023 21:00	1043	1043	1144	1147
2/23/2023 22:00	1043	1043	1144	1145
2/23/2023 23:00	1043	1043	1141	1145

**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
2/24/2023 0:00	1043	1043	1140	1141
2/24/2023 1:00	1043	1043	1141	1142
2/24/2023 2:00	1043	1043	1140	1142
2/24/2023 3:00	1043	1043	1140	1142
2/24/2023 4:00	1043	1043	1142	1143
2/24/2023 5:00	1043	1043	1143	1148
2/24/2023 6:00	1043	1043	1148	1149
2/24/2023 7:00	1043	1043	1148	1149
2/24/2023 8:00	1043	1043	1148	1150
2/24/2023 9:00	1043	1043	1150	1152
2/24/2023 10:00	1042	1043	1152	1152
2/24/2023 11:00	1042	1043	1152	1152
2/24/2023 12:00	1042	1043	1151	1152
2/24/2023 13:00	1042	1042	1151	1152
2/24/2023 14:00	1042	1043	1151	1152
2/24/2023 15:00	1043	1043	1152	1153
2/24/2023 16:00	1042	1043	1153	1153
2/24/2023 17:00	1042	1043	1153	1153
2/24/2023 18:00	1043	1043	1153	1155
2/24/2023 19:00	1043	1043	1155	1156
2/24/2023 20:00	1043	1043	1152	1155
2/24/2023 21:00	1043	1043	1147	1152
2/24/2023 22:00	1043	1043	1145	1147
2/24/2023 23:00	1043	1043	1144	1146
2/25/2023 0:00	1043	1043	1143	1144
2/25/2023 1:00	1043	1043	1143	1147
2/25/2023 2:00	1043	1043	1147	1147
2/25/2023 3:00	1043	1043	1147	1148
2/25/2023 4:00	1043	1043	1148	1151
2/25/2023 5:00	1043	1043	1151	1152
2/25/2023 6:00	1043	1043	1152	1152
2/25/2023 7:00	1043	1043	1152	1153
2/25/2023 8:00	1043	1043	1153	1155
2/25/2023 9:00	1043	1043	1155	1161
2/25/2023 10:00	1043	1043	1158	1161
2/25/2023 11:00	1043	1043	1150	1158
2/25/2023 12:00	1043	1043	1150	1151
2/25/2023 13:00	1043	1043	1145	1151
2/25/2023 14:00	1043	1043	1145	1149
2/25/2023 15:00	1042	1043	1148	1149
2/25/2023 16:00	1042	1042	1145	1148
2/25/2023 17:00	1042	1042	1145	1145
2/25/2023 18:00	1042	1042	1144	1145
2/25/2023 19:00	1042	1042	1144	1145
2/25/2023 20:00	1042	1042	1145	1146
2/25/2023 21:00	1042	1042	1146	1147
2/25/2023 22:00	1042	1042	1147	1148
2/25/2023 23:00	1042	1042	1147	1149
2/26/2023 0:00	1041	1042	1145	1147
2/26/2023 1:00	1041	1041	1143	1145
2/26/2023 2:00	1041	1041	1143	1147
2/26/2023 3:00	1040	1041	1147	1148
2/26/2023 4:00	1040	1040	1145	1148
2/26/2023 5:00	1040	1040	1145	1147
2/26/2023 6:00	1040	1040	1147	1148
2/26/2023 7:00	1040	1040	1148	1152
2/26/2023 8:00	1040	1040	1152	1153
2/26/2023 9:00	1040	1040	1153	1156
2/26/2023 10:00	1040	1040	1156	1160
2/26/2023 11:00	1040	1040	1159	1160
2/26/2023 12:00	1040	1040	1160	1162
2/26/2023 13:00	1040	1040	1158	1160
2/26/2023 14:00	1040	1040	1158	1158
2/26/2023 15:00	1040	1040	1157	1159
2/26/2023 16:00	1039	1040	1159	1159
2/26/2023 17:00	1039	1040	1158	1159
2/26/2023 18:00	1040	1040	1157	1158
2/26/2023 19:00	1040	1040	1157	1160
2/26/2023 20:00	1040	1041	1160	1163
2/26/2023 21:00	1040	1041	1158	1162
2/26/2023 22:00	1040	1041	1158	1161
2/26/2023 23:00	1040	1041	1149	1160
2/27/2023 0:00	1040	1040	1148	1149
2/27/2023 1:00	1040	1041	1149	1152
2/27/2023 2:00	1041	1041	1151	1152
2/27/2023 3:00	1041	1041	1151	1154
2/27/2023 4:00	1040	1041	1154	1156
2/27/2023 5:00	1040	1041	1156	1160
2/27/2023 6:00	1041	1041	1160	1161
2/27/2023 7:00	1041	1041	1158	1161

**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
2/27/2023 8:00	1041	1041	1158	1164
2/27/2023 9:00	1041	1041	1163	1164
2/27/2023 10:00	1041	1042	1163	1166
2/27/2023 11:00	1042	1042	1163	1166
2/27/2023 12:00	1042	1042	1162	1163
2/27/2023 13:00	1041	1042	1161	1163
2/27/2023 14:00	1041	1041	1161	1164
2/27/2023 15:00	1041	1041	1163	1164
2/27/2023 16:00	1041	1041	1163	1164
2/27/2023 17:00	1041	1041	1163	1163
2/27/2023 18:00	1041	1041	1163	1163
2/27/2023 19:00	1041	1041	1163	1163
2/27/2023 20:00	1041	1042	1162	1163
2/27/2023 21:00	1042	1042	1162	1165
2/27/2023 22:00	1042	1042	1165	1165
2/27/2023 23:00	1042	1042	1163	1165
2/28/2023 0:00	1042	1042	1160	1164
2/28/2023 1:00	1042	1042	1157	1160
2/28/2023 2:00	1042	1042	1159	1161
2/28/2023 3:00	1042	1042	1161	1163
2/28/2023 4:00	1042	1042	1163	1165
2/28/2023 5:00	1042	1042	1165	1167
2/28/2023 6:00	1042	1042	1166	1171
2/28/2023 7:00	1042	1042	1171	1171
2/28/2023 8:00	1042	1042	1171	1178
2/28/2023 9:00	1042	1042	1176	1178
2/28/2023 10:00	1042	1042	1176	1180
2/28/2023 11:00	1042	1042	1180	1182
2/28/2023 12:00	1042	1042	1174	1182
2/28/2023 13:00	1042	1042	1170	1176
2/28/2023 14:00	1042	1042	1176	1179
2/28/2023 15:00	1042	1042	1177	1179
2/28/2023 16:00	1042	1042	1178	1180
2/28/2023 17:00	1042	1042	1176	1179
2/28/2023 18:00	1042	1042	1176	1179
2/28/2023 19:00	1042	1042	1179	1186
2/28/2023 20:00	1042	1042	1186	1190
2/28/2023 21:00	1042	1042	1179	1190
2/28/2023 22:00	1042	1042	1179	1180
2/28/2023 23:00	1042	1042	1179	1180