



825 Rice Street
Saint Paul, MN 55117

April 26, 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 March 2022 as required by N.D. PU-20-89.

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
3/1/2022 0:00		1038	1184	1192
3/1/2022 1:00		1038	1184	1186
3/1/2022 2:00		1038	1186	1189
3/1/2022 3:00		1038	1189	1189
3/1/2022 4:00		1038	1189	1190
3/1/2022 5:00		1038	1190	1190
3/1/2022 6:00		1038	1190	1190
3/1/2022 7:00		1038	1190	1191
3/1/2022 8:00		1038	1191	1194
3/1/2022 9:00		1038	1193	1194
3/1/2022 10:00		1038	1193	1194
3/1/2022 11:00		1038	1191	1193
3/1/2022 12:00		1038	1191	1193
3/1/2022 13:00		1038	1193	1195
3/1/2022 14:00		1038	1195	1198
3/1/2022 15:00		1038	1198	1200
3/1/2022 16:00		1038	1200	1200
3/1/2022 17:00		1038	1200	1200
3/1/2022 18:00		1039	1198	1200
3/1/2022 19:00		1039	1197	1198
3/1/2022 20:00		1039	1184	1198
3/1/2022 21:00		1039	1174	1184
3/1/2022 22:00		1039	1170	1174
3/1/2022 23:00		1039	1170	1171
3/2/2022 0:00		1039	1176	1184
3/2/2022 1:00		1039	1184	1190
3/2/2022 2:00		1039	1189	1195
3/2/2022 3:00		1039	1195	1199
3/2/2022 4:00		1039	1199	1200
3/2/2022 5:00		1039	1200	1200
3/2/2022 6:00		1039	1200	1200
3/2/2022 7:00		1039	1200	1200
3/2/2022 8:00		1039	1200	1200
3/2/2022 9:00		1039	1198	1200
3/2/2022 10:00		1039	1192	1198
3/2/2022 11:00		1039	1188	1192
3/2/2022 12:00		1039	1187	1188
3/2/2022 13:00		1039	1183	1187
3/2/2022 14:00		1039	1180	1183
3/2/2022 15:00		1039	1176	1180
3/2/2022 16:00		1039	1174	1176
3/2/2022 17:00		1039	1173	1174
3/2/2022 18:00		1039	1173	1173
3/2/2022 19:00		1039	1172	1173
3/2/2022 20:00		1039	1170	1172
3/2/2022 21:00		1039	1166	1170
3/2/2022 22:00		1039	1166	1169
3/2/2022 23:00		1039	1169	1171
3/3/2022 0:00		1039	1168	1171
3/3/2022 1:00		1039	1165	1168
3/3/2022 2:00		1039	1163	1165
3/3/2022 3:00		1039	1163	1164
3/3/2022 4:00		1039	1163	1164
3/3/2022 5:00		1039	1164	1165
3/3/2022 6:00		1039	1164	1167
3/3/2022 7:00		1038	1166	1173
3/3/2022 8:00		1038	1173	1175
3/3/2022 9:00		1038	1173	1174
3/3/2022 10:00		1039	1174	1176
3/3/2022 11:00		1039	1176	1178
3/3/2022 12:00		1039	1178	1182
3/3/2022 13:00		1039	1182	1185
3/3/2022 14:00		1039	1185	1188
3/3/2022 15:00		1038	1188	1191
3/3/2022 16:00		1038	1191	1192
3/3/2022 17:00		1038	1191	1192
3/3/2022 18:00		1038	1192	1193
3/3/2022 19:00		1038	1184	1192
3/3/2022 20:00		1039	1176	1184
3/3/2022 21:00		1039	1172	1176
3/3/2022 22:00		1039	1171	1172
3/3/2022 23:00		1039	1169	1171

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
3/4/2022 0:00		1039	1171	1172
3/4/2022 1:00		1039	1172	1172
3/4/2022 2:00		1039	1170	1172
3/4/2022 3:00		1039	1167	1170
3/4/2022 4:00		1039	1165	1167
3/4/2022 5:00		1039	1165	1165
3/4/2022 6:00		1039	1164	1165
3/4/2022 7:00		1039	1161	1164
3/4/2022 8:00		1039	1161	1163
3/4/2022 9:00		1039	1163	1164
3/4/2022 10:00		1039	1163	1164
3/4/2022 11:00		1039	1163	1164
3/4/2022 12:00		1039	1163	1164
3/4/2022 13:00		1039	1164	1166
3/4/2022 14:00		1039	1162	1165
3/4/2022 15:00		1039	1160	1162
3/4/2022 16:00		1039	1158	1160
3/4/2022 17:00		1039	1155	1158
3/4/2022 18:00		1039	1155	1155
3/4/2022 19:00		1038	1155	1155
3/4/2022 20:00		1039	1155	1157
3/4/2022 21:00		1039	1156	1157
3/4/2022 22:00		1039	1155	1156
3/4/2022 23:00		1039	1155	1156
3/5/2022 0:00		1039	1156	1158
3/5/2022 1:00		1038	1158	1160
3/5/2022 2:00		1038	1158	1160
3/5/2022 3:00		1038	1158	1160
3/5/2022 4:00		1038	1160	1163
3/5/2022 5:00		1038	1160	1163
3/5/2022 6:00		1038	1160	1163
3/5/2022 7:00		1038	1163	1166
3/5/2022 8:00		1038	1165	1166
3/5/2022 9:00		1038	1162	1165
3/5/2022 10:00		1038	1160	1162
3/5/2022 11:00		1038	1160	1160
3/5/2022 12:00		1037	1160	1161
3/5/2022 13:00		1038	1157	1160
3/5/2022 14:00		1038	1154	1157
3/5/2022 15:00		1038	1149	1154
3/5/2022 16:00		1038	1149	1150
3/5/2022 17:00		1037	1149	1151
3/5/2022 18:00		1037	1150	1151
3/5/2022 19:00		1037	1150	1151
3/5/2022 20:00		1037	1151	1151
3/5/2022 21:00		1037	1151	1152
3/5/2022 22:00		1037	1152	1155
3/5/2022 23:00		1037	1154	1156
3/6/2022 0:00		1037	1155	1156
3/6/2022 1:00		1037	1155	1155
3/6/2022 2:00		1037	1155	1156
3/6/2022 3:00		1037	1155	1156
3/6/2022 4:00		1037	1152	1155
3/6/2022 5:00		1037	1149	1152
3/6/2022 6:00		1037	1152	1156
3/6/2022 7:00		1037	1156	1159
3/6/2022 8:00		1037	1159	1160
3/6/2022 9:00		1037	1160	1160
3/6/2022 10:00		1037	1158	1160
3/6/2022 11:00		1037	1158	1158
3/6/2022 12:00		1037	1158	1161
3/6/2022 13:00		1037	1161	1163
3/6/2022 14:00		1037	1161	1164
3/6/2022 15:00		1037	1161	1163
3/6/2022 16:00		1037	1163	1170
3/6/2022 17:00		1037	1170	1171
3/6/2022 18:00		1037	1169	1171
3/6/2022 19:00		1037	1170	1171
3/6/2022 20:00		1037	1171	1172
3/6/2022 21:00		1038	1172	1172
3/6/2022 22:00		1038	1172	1173
3/6/2022 23:00		1038	1173	1176
3/7/2022 0:00		1038	1171	1174
3/7/2022 1:00		1038	1172	1174
3/7/2022 2:00		1038	1174	1175
3/7/2022 3:00		1038	1175	1176
3/7/2022 4:00		1038	1174	1175
3/7/2022 5:00		1038	1173	1174
3/7/2022 6:00		1038	1172	1173
3/7/2022 7:00		1038	1171	1172

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
3/7/2022 8:00		1038	1171	1172
3/7/2022 9:00		1038	1171	1173
3/7/2022 10:00		1038	1173	1174
3/7/2022 11:00		1038	1171	1174
3/7/2022 12:00		1039	1170	1171
3/7/2022 13:00		1039	1169	1170
3/7/2022 14:00		1039	1170	1170
3/7/2022 15:00		1039	1169	1171
3/7/2022 16:00		1039	1171	1174
3/7/2022 17:00		1039	1174	1176
3/7/2022 18:00		1039	1176	1176
3/7/2022 19:00		1039	1176	1176
3/7/2022 20:00		1039	1175	1176
3/7/2022 21:00		1039	1174	1175
3/7/2022 22:00		1039	1172	1174
3/7/2022 23:00		1039	1172	1176
3/8/2022 0:00		1039	1168	1176
3/8/2022 1:00		1039	1168	1170
3/8/2022 2:00		1039	1170	1172
3/8/2022 3:00		1039	1168	1170
3/8/2022 4:00		1039	1170	1171
3/8/2022 5:00		1039	1170	1171
3/8/2022 6:00		1039	1171	1175
3/8/2022 7:00		1038	1175	1178
3/8/2022 8:00		1038	1177	1179
3/8/2022 9:00		1038	1173	1177
3/8/2022 10:00		1039	1173	1177
3/8/2022 10:00		1039	1174	1174
3/8/2022 11:00		1039	1174	1175
3/8/2022 12:00		1039	1174	1174
3/8/2022 13:00		1039	1175	1182
3/8/2022 14:00		1039	1181	1182
3/8/2022 15:00		1039	1181	1182
3/8/2022 16:00		1039	1180	1182
3/8/2022 17:00		1039	1180	1181
3/8/2022 18:00		1039	1179	1181
3/8/2022 19:00		1039	1177	1179
3/8/2022 20:00		1039	1177	1178
3/8/2022 21:00		1039	1170	1178
3/8/2022 22:00		1039	1170	1171
3/8/2022 23:00		1039	1171	1171
3/9/2022 0:00		1039	1171	1172
3/9/2022 1:00		1039	1169	1172
3/9/2022 2:00		1039	1169	1169
3/9/2022 3:00		1039	1169	1173
3/9/2022 4:00		1039	1172	1179
3/9/2022 5:00		1039	1176	1179
3/9/2022 6:00		1038	1176	1176
3/9/2022 7:00		1038	1175	1176
3/9/2022 8:00		1038	1176	1178
3/9/2022 9:00		1038	1177	1179
3/9/2022 10:00		1038	1179	1181
3/9/2022 11:00		1037	1181	1181
3/9/2022 12:00		1037	1181	1184
3/9/2022 13:00		1036	1184	1185
3/9/2022 14:00		1036	1185	1187
3/9/2022 15:00		1037	1187	1187
3/9/2022 16:00		1037	1187	1187
3/9/2022 17:00		1037	1187	1188
3/9/2022 18:00		1037	1188	1189
3/9/2022 19:00		1037	1187	1189
3/9/2022 20:00		1037	1185	1187
3/9/2022 21:00		1037	1185	1186
3/9/2022 22:00		1037	1177	1185
3/9/2022 23:00		1037	1173	1177
3/10/2022 0:00		1037	1172	1173
3/10/2022 1:00		1037	1168	1172
3/10/2022 2:00		1037	1167	1168
3/10/2022 3:00		1037	1167	1168
3/10/2022 4:00		1037	1166	1168
3/10/2022 5:00		1037	1162	1166
3/10/2022 6:00		1038	1161	1162
3/10/2022 7:00		1038	1161	1162
3/10/2022 8:00		1038	1156	1161
3/10/2022 9:00		1038	1156	1157
3/10/2022 10:00		1037	1155	1157
3/10/2022 11:00		1037	1153	1155
3/10/2022 12:00		1037	1152	1153
3/10/2022 13:00		1036	1144	1152
3/10/2022 14:00		1036	1144	1151

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
3/10/2022 15:00		1036	1151	1153
3/10/2022 16:00		1036	1153	1155
3/10/2022 17:00		1036	1154	1155
3/10/2022 18:00		1036	1154	1157
3/10/2022 19:00		1036	1157	1159
3/10/2022 20:00		1036	1159	1160
3/10/2022 21:00		1036	1160	1160
3/10/2022 22:00		1036	1157	1160
3/10/2022 23:00		1036	1157	1158
3/11/2022 0:00		1036	1154	1157
3/11/2022 1:00		1036	1153	1155
3/11/2022 2:00		1036	1153	1154
3/11/2022 3:00		1036	1151	1154
3/11/2022 4:00		1036	1151	1154
3/11/2022 5:00		1036	1154	1158
3/11/2022 6:00		1036	1157	1159
3/11/2022 7:00		1036	1157	1159
3/11/2022 8:00		1036	1154	1158
3/11/2022 9:00		1036	1151	1154
3/11/2022 10:00		1036	1150	1151
3/11/2022 11:00		1036	1150	1150
3/11/2022 12:00		1036	1150	1151
3/11/2022 13:00		1036	1151	1152
3/11/2022 14:00		1036	1152	1153
3/11/2022 15:00		1036	1153	1154
3/11/2022 16:00		1036	1154	1157
3/11/2022 17:00		1036	1157	1158
3/11/2022 18:00		1036	1158	1159
3/11/2022 19:00		1036	1159	1160
3/11/2022 20:00		1036	1160	1160
3/11/2022 21:00		1036	1157	1160
3/11/2022 22:00		1035	1157	1158
3/11/2022 23:00		1035	1157	1158
3/12/2022 0:00		1035	1157	1159
3/12/2022 1:00		1035	1159	1160
3/12/2022 2:00		1035	1158	1160
3/12/2022 3:00		1036	1157	1158
3/12/2022 4:00		1037	1156	1157
3/12/2022 5:00		1037	1156	1157
3/12/2022 6:00		1037	1156	1158
3/12/2022 7:00		1036	1158	1159
3/12/2022 8:00		1036	1157	1159
3/12/2022 9:00		1036	1154	1157
3/12/2022 10:00		1036	1154	1154
3/12/2022 11:00		1035	1154	1154
3/12/2022 12:00		1035	1154	1157
3/12/2022 13:00		1035	1156	1157
3/12/2022 14:00		1035	1157	1157
3/12/2022 15:00		1035	1156	1157
3/12/2022 16:00		1035	1154	1156
3/12/2022 17:00		1035	1151	1154
3/12/2022 18:00		1035	1151	1153
3/12/2022 19:00		1035	1152	1153
3/12/2022 20:00		1035	1152	1153
3/12/2022 21:00		1035	1150	1153
3/12/2022 22:00		1035	1150	1153
3/12/2022 23:00		1035	1152	1153
3/13/2022 0:00		1035	1147	1152
3/13/2022 1:00		1035	1146	1147
3/13/2022 3:00		1035	1146	1148
3/13/2022 4:00		1035	1148	1148
3/13/2022 5:00		1035	1148	1151
3/13/2022 6:00		1035	1151	1153
3/13/2022 7:00		1035	1153	1157
3/13/2022 8:00		1035	1157	1159
3/13/2022 9:00		1035	1159	1162
3/13/2022 10:00		1036	1162	1163
3/13/2022 11:00		1036	1161	1162
3/13/2022 12:00		1036	1159	1161
3/13/2022 13:00		1036	1159	1163
3/13/2022 14:00		1037	1160	1163
3/13/2022 15:00		1037	1163	1168
3/13/2022 16:00		1037	1168	1169
3/13/2022 17:00		1037	1159	1169
3/13/2022 18:00		1037	1156	1159
3/13/2022 19:00		1037	1158	1159
3/13/2022 20:00		1037	1159	1159
3/13/2022 21:00		1037	1159	1161
3/13/2022 22:00		1037	1161	1163
3/13/2022 23:00		1037	1162	1163

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
3/14/2022 0:00		1037	1161	1163
3/14/2022 1:00		1037	1161	1163
3/14/2022 2:00		1037	1162	1163
3/14/2022 3:00		1038	1162	1162
3/14/2022 4:00		1038	1162	1163
3/14/2022 5:00		1038	1163	1165
3/14/2022 6:00		1038	1165	1165
3/14/2022 7:00		1038	1165	1168
3/14/2022 8:00		1038	1168	1171
3/14/2022 9:00		1038	1171	1174
3/14/2022 10:00		1039	1174	1180
3/14/2022 11:00		1039	1180	1181
3/14/2022 12:00		1039	1181	1185
3/14/2022 13:00		1038	1184	1186
3/14/2022 14:00		1039	1186	1191
3/14/2022 15:00		1039	1191	1194
3/14/2022 16:00		1038	1193	1196
3/14/2022 17:00		1038	1179	1193
3/14/2022 18:00		1038	1177	1179
3/14/2022 19:00		1038	1175	1178
3/14/2022 20:00		1038	1173	1175
3/14/2022 21:00		1038	1175	1179
3/14/2022 22:00		1039	1177	1179
3/14/2022 23:00		1039	1176	1177
3/15/2022 0:00		1039	1173	1177
3/15/2022 1:00		1039	1171	1173
3/15/2022 2:00		1039	1172	1173
3/15/2022 3:00		1039	1171	1172
3/15/2022 4:00		1039	1172	1178
3/15/2022 5:00		1038	1178	1180
3/15/2022 6:00		1038	1179	1181
3/15/2022 7:00		1038	1178	1179
3/15/2022 8:00		1038	1178	1178
3/15/2022 9:00		1038	1178	1179
3/15/2022 10:00		1038	1179	1182
3/15/2022 11:00		1038	1182	1187
3/15/2022 12:00		1038	1187	1188
3/15/2022 13:00		1038	1185	1187
3/15/2022 14:00		1038	1185	1186
3/15/2022 15:00		1038	1186	1186
3/15/2022 16:00		1038	1186	1187
3/15/2022 17:00		1038	1186	1187
3/15/2022 18:00		1038	1187	1194
3/15/2022 19:00		1038	1190	1194
3/15/2022 20:00		1038	1185	1190
3/15/2022 21:00		1038	1182	1186
3/15/2022 22:00		1038	1181	1182
3/15/2022 23:00		1038	1181	1182
3/16/2022 0:00		1038	1182	1182
3/16/2022 1:00		1038	1181	1182
3/16/2022 2:00		1038	1181	1183
3/16/2022 3:00		1038	1183	1183
3/16/2022 4:00		1038	1182	1183
3/16/2022 5:00		1038	1182	1187
3/16/2022 6:00		1038	1183	1187
3/16/2022 7:00		1038	1182	1183
3/16/2022 8:00		1038	1183	1185
3/16/2022 9:00		1038	1185	1191
3/16/2022 10:00		1038	1191	1198
3/16/2022 11:00		1038	1198	1200
3/16/2022 12:00		1038	1200	1200
3/16/2022 13:00		1038	1200	1200
3/16/2022 14:00		1038	1200	1200
3/16/2022 15:00		1037	1200	1200
3/16/2022 16:00		1037	1200	1200
3/16/2022 17:00		1037	1200	1200
3/16/2022 18:00		1037	1200	1200
3/16/2022 19:00		1037	1200	1200
3/16/2022 20:00		1037	1200	1200
3/16/2022 21:00		1037	1196	1200
3/16/2022 22:00		1037	1195	1196
3/16/2022 23:00		1037	1194	1195
3/17/2022 0:00		1037	1194	1197
3/17/2022 1:00		1038	1197	1200
3/17/2022 2:00		1038	1198	1200
3/17/2022 3:00		1038	1195	1198
3/17/2022 4:00		1038	1196	1197
3/17/2022 5:00		1038	1196	1197
3/17/2022 6:00		1038	1195	1197
3/17/2022 7:00		1038	1195	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
3/17/2022 8:00		1038	1198	1198
3/17/2022 9:00		1038	1198	1200
3/17/2022 10:00		1038	1200	1200
3/17/2022 11:00		1037	1200	1200
3/17/2022 12:00		1037	1200	1200
3/17/2022 13:00		1037	1200	1200
3/17/2022 14:00		1037	1200	1200
3/17/2022 15:00		1037	1200	1200
3/17/2022 16:00		1037	1200	1200
3/17/2022 17:00		1037	1200	1200
3/17/2022 18:00	1037	1038	1200	1200
3/17/2022 19:00	1038	1038	1200	1200
3/17/2022 20:00	1038	1038	1200	1200
3/17/2022 21:00	1038	1038	1200	1200
3/17/2022 22:00	1038	1038	1200	1200
3/17/2022 23:00	1038	1038	1200	1200
3/18/2022 0:00	1038	1038	1200	1200
3/18/2022 1:00	1038	1039	1200	1200
3/18/2022 2:00	1039	1039	1200	1200
3/18/2022 3:00	1038	1039	1200	1200
3/18/2022 4:00	1038	1038	1200	1200
3/18/2022 5:00	1038	1038	1200	1200
3/18/2022 6:00	1038	1038	1200	1200
3/18/2022 7:00	1038	1038	1200	1200
3/18/2022 8:00	1038	1038	1200	1200
3/18/2022 9:00	1038	1038	1200	1200
3/18/2022 10:00	1038	1038	1200	1200
3/18/2022 11:00	1038	1038	1200	1200
3/18/2022 12:00	1038	1038	1200	1200
3/18/2022 13:00	1037	1038	1200	1200
3/18/2022 14:00	1037	1037	1200	1200
3/18/2022 15:00	1037	1037	1200	1200
3/18/2022 16:00	1037	1037	1200	1200
3/18/2022 17:00	1037	1037	1200	1200
3/18/2022 18:00	1037	1037	1200	1200
3/18/2022 19:00	1037	1037	1200	1200
3/18/2022 20:00	1037	1037	1200	1200
3/18/2022 21:00	1037	1038	1200	1200
3/18/2022 22:00	1038	1038	1200	1200
3/18/2022 23:00	1038	1038	1200	1200
3/19/2022 0:00	1038	1038	1200	1200
3/19/2022 1:00	1038	1039	1200	1200
3/19/2022 2:00	1039	1039	1200	1200
3/19/2022 3:00	1039	1039	1200	1200
3/19/2022 4:00	1039	1039	1200	1200
3/19/2022 5:00	1039	1039	1200	1200
3/19/2022 6:00	1039	1039	1195	1200
3/19/2022 7:00	1038	1039	1196	1200
3/19/2022 8:00	1038	1039	1200	1200
3/19/2022 9:00	1038	1039	1200	1200
3/19/2022 10:00	1038	1038	1200	1200
3/19/2022 11:00	1038	1038	1200	1200
3/19/2022 12:00	1038	1038	1200	1200
3/19/2022 13:00	1038	1038	1200	1200
3/19/2022 14:00	1038	1038	1200	1200
3/19/2022 15:00	1037	1038	1200	1200
3/19/2022 16:00	1037	1037	1200	1200
3/19/2022 17:00	1037	1037	1200	1200
3/19/2022 18:00	1037	1038	1200	1200
3/19/2022 19:00	1038	1038	1191	1200
3/19/2022 20:00	1038	1038	1186	1191
3/19/2022 21:00	1038	1038	1183	1186
3/19/2022 22:00	1038	1038	1181	1183
3/19/2022 23:00	1038	1038	1181	1182
3/20/2022 0:00	1038	1038	1179	1181
3/20/2022 1:00	1038	1038	1177	1179
3/20/2022 2:00	1038	1039	1174	1177
3/20/2022 3:00	1039	1039	1174	1175
3/20/2022 4:00	1039	1040	1174	1175
3/20/2022 5:00	1040	1040	1175	1184
3/20/2022 6:00	1040	1040	1184	1191
3/20/2022 7:00	1040	1040	1191	1199
3/20/2022 8:00	1040	1040	1199	1200
3/20/2022 9:00	1040	1040	1200	1200
3/20/2022 10:00	1040	1040	1200	1200
3/20/2022 11:00	1040	1040	1200	1200
3/20/2022 12:00	1040	1040	1200	1200
3/20/2022 13:00	1040	1040	1200	1200
3/20/2022 14:00	1039	1040	1200	1200
3/20/2022 15:00	1039	1039	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
3/20/2022 16:00	1039	1040	1200	1200
3/20/2022 17:00	1039	1040	1200	1200
3/20/2022 18:00	1039	1040	1199	1200
3/20/2022 19:00	1039	1040	1189	1199
3/20/2022 20:00	1039	1040	1182	1189
3/20/2022 21:00	1040	1040	1180	1182
3/20/2022 22:00	1040	1040	1177	1180
3/20/2022 23:00	1040	1040	1175	1177
3/21/2022 0:00	1040	1040	1169	1175
3/21/2022 1:00	1040	1040	1167	1169
3/21/2022 2:00	1040	1040	1167	1170
3/21/2022 3:00	1040	1040	1170	1171
3/21/2022 4:00	1040	1040	1170	1174
3/21/2022 5:00	1040	1041	1174	1180
3/21/2022 6:00	1041	1041	1179	1186
3/21/2022 7:00	1041	1041	1186	1195
3/21/2022 8:00	1040	1041	1195	1200
3/21/2022 9:00	1040	1041	1200	1200
3/21/2022 10:00	1041	1041	1199	1200
3/21/2022 11:00	1040	1041	1199	1200
3/21/2022 12:00	1040	1040	1200	1200
3/21/2022 13:00	1040	1040	1200	1200
3/21/2022 14:00	1040	1040	1200	1200
3/21/2022 15:00	1040	1040	1200	1200
3/21/2022 16:00	1039	1040	1200	1200
3/21/2022 17:00	1039	1039	1200	1200
3/21/2022 18:00	1039	1040	1200	1200
3/21/2022 19:00	1039	1040	1193	1200
3/21/2022 20:00	1039	1039	1188	1193
3/21/2022 21:00	1039	1039	1184	1188
3/21/2022 22:00	1039	1039	1184	1184
3/21/2022 23:00	1039	1039	1182	1184
3/22/2022 0:00	1039	1039	1181	1182
3/22/2022 1:00	1038	1039	1177	1181
3/22/2022 2:00	1037	1038	1174	1177
3/22/2022 3:00	1037	1037	1173	1174
3/22/2022 4:00	1037	1037	1173	1174
3/22/2022 5:00	1037	1038	1173	1174
3/22/2022 6:00	1038	1038	1173	1180
3/22/2022 7:00	1038	1038	1180	1182
3/22/2022 8:00	1038	1038	1182	1187
3/22/2022 9:00	1038	1038	1187	1192
3/22/2022 10:00	1038	1039	1192	1199
3/22/2022 11:00	1039	1039	1199	1200
3/22/2022 12:00	1039	1039	1200	1200
3/22/2022 13:00	1039	1039	1200	1200
3/22/2022 14:00	1039	1039	1200	1200
3/22/2022 15:00	1039	1039	1200	1200
3/22/2022 16:00	1039	1039	1200	1200
3/22/2022 17:00	1039	1039	1200	1200
3/22/2022 18:00	1039	1039	1200	1200
3/22/2022 19:00	1039	1039	1200	1200
3/22/2022 20:00	1039	1040	1200	1200
3/22/2022 21:00	1040	1040	1200	1200
3/22/2022 22:00	1040	1040	1200	1200
3/22/2022 23:00	1040	1040	1200	1200
3/23/2022 0:00	1040	1040	1200	1200
3/23/2022 1:00	1040	1040	1200	1200
3/23/2022 2:00	1040	1040	1200	1200
3/23/2022 3:00	1039	1040	1200	1200
3/23/2022 4:00	1039	1039	1200	1200
3/23/2022 5:00	1039	1039	1200	1200
3/23/2022 6:00	1039	1039	1200	1200
3/23/2022 7:00	1039	1039	1199	1200
3/23/2022 8:00	1039	1039	1200	1200
3/23/2022 9:00	1039	1039	1200	1200
3/23/2022 10:00	1039	1039	1200	1200
3/23/2022 11:00	1039	1039	1200	1200
3/23/2022 12:00	1039	1039	1200	1200
3/23/2022 13:00	1039	1039	1200	1200
3/23/2022 14:00	1039	1039	1200	1200
3/23/2022 15:00	1039	1039	1200	1200
3/23/2022 16:00	1039	1039	1200	1200
3/23/2022 17:00	1039	1039	1200	1200
3/23/2022 18:00	1039	1039	1200	1200
3/23/2022 19:00	1039	1039	1197	1200
3/23/2022 20:00	1039	1039	1183	1198
3/23/2022 21:00	1039	1039	1183	1186
3/23/2022 22:00	1039	1039	1183	1187
3/23/2022 23:00	1039	1040	1183	1185

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
3/24/2022 0:00	1040	1040	1184	1185
3/24/2022 1:00	1039	1040	1183	1184
3/24/2022 2:00	1039	1039	1184	1191
3/24/2022 3:00	1039	1039	1189	1191
3/24/2022 4:00	1039	1040	1188	1189
3/24/2022 5:00	1040	1040	1189	1195
3/24/2022 6:00	1040	1040	1193	1195
3/24/2022 7:00	1040	1040	1193	1195
3/24/2022 8:00	1040	1040	1195	1200
3/24/2022 9:00	1039	1040	1200	1200
3/24/2022 10:00	1039	1039	1200	1200
3/24/2022 11:00	1039	1039	1200	1200
3/24/2022 12:00	1039	1039	1200	1200
3/24/2022 13:00	1039	1039	1200	1200
3/24/2022 14:00	1039	1039	1200	1200
3/24/2022 15:00	1039	1039	1200	1200
3/24/2022 16:00	1039	1039	1200	1200
3/24/2022 17:00	1039	1039	1200	1200
3/24/2022 18:00	1039	1039	1200	1200
3/24/2022 19:00	1039	1039	1200	1200
3/24/2022 20:00	1039	1039	1196	1200
3/24/2022 21:00	1039	1039	1190	1197
3/24/2022 22:00	1039	1039	1190	1192
3/24/2022 23:00	1039	1040	1191	1193
3/25/2022 0:00	1040	1040	1193	1193
3/25/2022 1:00	1039	1040	1189	1193
3/25/2022 2:00	1039	1040	1185	1189
3/25/2022 3:00	1040	1040	1183	1185
3/25/2022 4:00	1040	1040	1184	1190
3/25/2022 5:00	1040	1040	1190	1194
3/25/2022 6:00	1040	1040	1193	1195
3/25/2022 7:00	1039	1040	1195	1196
3/25/2022 8:00	1039	1040	1196	1197
3/25/2022 9:00	1040	1040	1197	1200
3/25/2022 10:00	1040	1040	1200	1200
3/25/2022 11:00	1039	1040	1200	1200
3/25/2022 12:00	1039	1040	1200	1200
3/25/2022 13:00	1040	1040	1200	1200
3/25/2022 14:00	1039	1040	1200	1200
3/25/2022 15:00	1039	1039	1200	1200
3/25/2022 16:00	1039	1039	1200	1200
3/25/2022 17:00	1039	1039	1200	1200
3/25/2022 18:00	1039	1039	1200	1200
3/25/2022 19:00	1039	1039	1200	1200
3/25/2022 20:00	1039	1040	1200	1200
3/25/2022 21:00	1039	1040	1200	1200
3/25/2022 22:00	1039	1039	1198	1200
3/25/2022 23:00	1039	1039	1191	1198
3/26/2022 0:00	1038	1039	1189	1191
3/26/2022 1:00	1038	1039	1190	1194
3/26/2022 2:00	1038	1039	1193	1195
3/26/2022 3:00	1038	1038	1194	1195
3/26/2022 4:00	1038	1038	1194	1195
3/26/2022 5:00	1038	1039	1194	1198
3/26/2022 6:00	1039	1039	1198	1200
3/26/2022 7:00	1038	1039	1200	1200
3/26/2022 8:00	1038	1039	1200	1200
3/26/2022 9:00	1039	1039	1200	1200
3/26/2022 10:00	1039	1039	1200	1200
3/26/2022 11:00	1039	1039	1200	1200
3/26/2022 12:00	1039	1039	1200	1200
3/26/2022 13:00	1039	1039	1200	1200
3/26/2022 14:00	1039	1039	1199	1200
3/26/2022 15:00	1039	1039	1198	1200
3/26/2022 16:00	1039	1039	1200	1200
3/26/2022 17:00	1039	1039	1200	1200
3/26/2022 18:00	1039	1040	1200	1200
3/26/2022 19:00	1039	1040	1200	1200
3/26/2022 20:00	1039	1039	1199	1200
3/26/2022 21:00	1039	1040	1196	1200
3/26/2022 22:00	1040	1040	1190	1196
3/26/2022 23:00	1040	1040	1190	1192
3/27/2022 0:00	1040	1040	1188	1192
3/27/2022 1:00	1040	1040	1185	1188
3/27/2022 2:00	1040	1040	1187	1191
3/27/2022 3:00	1040	1040	1191	1195
3/27/2022 4:00	1040	1040	1195	1200
3/27/2022 5:00	1040	1040	1196	1200
3/27/2022 6:00	1040	1040	1193	1197
3/27/2022 7:00	1040	1040	1193	1194

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
3/27/2022 8:00	1040	1040	1194	1198
3/27/2022 9:00	1039	1040	1195	1197
3/27/2022 10:00	1039	1039	1195	1197
3/27/2022 11:00	1039	1039	1195	1198
3/27/2022 12:00	1039	1039	1195	1196
3/27/2022 13:00	1038	1039	1196	1199
3/27/2022 14:00	1038	1039	1199	1200
3/27/2022 15:00	1039	1039	1200	1200
3/27/2022 16:00	1039	1039	1199	1200
3/27/2022 17:00	1039	1039	1198	1200
3/27/2022 18:00	1039	1040	1193	1198
3/27/2022 19:00	1040	1040	1187	1193
3/27/2022 20:00	1040	1040	1187	1196
3/27/2022 21:00	1040	1040	1196	1199
3/27/2022 22:00	1040	1040	1196	1198
3/27/2022 23:00	1040	1043	1197	1198
3/28/2022 0:00	1043	1045	1195	1197
3/28/2022 1:00	1045	1045	1190	1195
3/28/2022 2:00	1044	1045	1188	1190
3/28/2022 3:00	1044	1044	1188	1194
3/28/2022 4:00	1044	1044	1194	1196
3/28/2022 5:00	1044	1044	1196	1198
3/28/2022 6:00	1044	1044	1193	1198
3/28/2022 7:00	1043	1044	1187	1193
3/28/2022 8:00	1041	1043	1183	1187
3/28/2022 9:00	1040	1041	1181	1183
3/28/2022 10:00	1040	1040	1180	1181
3/28/2022 11:00	1039	1040	1179	1180
3/28/2022 12:00	1039	1039	1179	1179
3/28/2022 13:00	1039	1039	1178	1179
3/28/2022 14:00	1039	1039	1178	1179
3/28/2022 15:00	1038	1039	1178	1179
3/28/2022 16:00	1038	1038	1178	1179
3/28/2022 17:00	1038	1038	1176	1178
3/28/2022 18:00	1038	1038	1176	1178
3/28/2022 19:00	1038	1038	1178	1178
3/28/2022 20:00	1038	1039	1177	1178
3/28/2022 21:00	1039	1040	1177	1186
3/28/2022 22:00	1040	1040	1186	1190
3/28/2022 23:00	1040	1040	1190	1192
3/29/2022 0:00	1040	1040	1192	1194
3/29/2022 1:00	1040	1041	1191	1193
3/29/2022 2:00	1041	1041	1191	1192
3/29/2022 3:00	1040	1041	1191	1192
3/29/2022 4:00	1040	1041	1192	1193
3/29/2022 5:00	1041	1041	1193	1195
3/29/2022 6:00	1041	1041	1193	1195
3/29/2022 7:00	1041	1041	1187	1193
3/29/2022 8:00	1040	1041	1186	1187
3/29/2022 9:00	1040	1041	1186	1187
3/29/2022 10:00	1040	1041	1184	1186
3/29/2022 11:00	1040	1040	1179	1184
3/29/2022 12:00	1040	1041	1176	1179
3/29/2022 13:00	1041	1041	1175	1177
3/29/2022 14:00	1040	1041	1177	1180
3/29/2022 15:00	1040	1041	1177	1180
3/29/2022 16:00	1041	1041	1177	1178
3/29/2022 17:00	1041	1041	1175	1178
3/29/2022 18:00	1041	1041	1174	1175
3/29/2022 19:00	1041	1041	1175	1182
3/29/2022 20:00	1041	1041	1181	1185
3/29/2022 21:00	1041	1041	1185	1188
3/29/2022 22:00	1041	1041	1188	1188
3/29/2022 23:00	1041	1041	1188	1189
3/30/2022 0:00	1041	1041	1184	1188
3/30/2022 1:00	1040	1041	1183	1184
3/30/2022 2:00	1040	1040	1183	1184
3/30/2022 3:00	1039	1040	1184	1185
3/30/2022 4:00	1039	1039	1185	1186
3/30/2022 5:00	1039	1039	1186	1187
3/30/2022 6:00	1039	1039	1184	1187
3/30/2022 7:00	1039	1040	1184	1186
3/30/2022 8:00	1040	1040	1186	1195
3/30/2022 9:00	1040	1040	1195	1200
3/30/2022 10:00	1040	1040	1198	1200
3/30/2022 11:00	1039	1040	1199	1200
3/30/2022 12:00	1039	1039	1200	1200
3/30/2022 13:00	1039	1039	1200	1200
3/30/2022 14:00	1039	1040	1200	1200
3/30/2022 15:00	1039	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
3/30/2022 16:00	1039	1040	1200	1200
3/30/2022 17:00	1040	1040	1200	1200
3/30/2022 18:00	1040	1041	1199	1200
3/30/2022 19:00	1041	1041	1198	1200
3/30/2022 20:00	1041	1042	1199	1200
3/30/2022 21:00	1042	1042	1200	1200
3/30/2022 22:00	1041	1042	1200	1200
3/30/2022 23:00	1041	1041	1197	1200
3/31/2022 0:00	1041	1042	1192	1197
3/31/2022 1:00	1042	1042	1188	1192
3/31/2022 2:00	1042	1042	1186	1188
3/31/2022 3:00	1041	1042	1186	1186
3/31/2022 4:00	1041	1041	1186	1188
3/31/2022 5:00	1041	1041	1187	1188
3/31/2022 6:00	1040	1041	1187	1190
3/31/2022 7:00	1039	1040	1190	1192
3/31/2022 8:00	1039	1039	1192	1195
3/31/2022 9:00	1038	1039	1195	1200
3/31/2022 10:00	1038	1039	1199	1200
3/31/2022 11:00	1039	1039	1194	1199
3/31/2022 12:00	1039	1040	1193	1194
3/31/2022 13:00	1040	1040	1193	1194
3/31/2022 14:00	1040	1040	1193	1194
3/31/2022 15:00	1039	1040	1192	1193
3/31/2022 16:00	1039	1039	1190	1192
3/31/2022 17:00	1038	1039	1185	1190
3/31/2022 18:00	1038	1038	1180	1185
3/31/2022 19:00	1038	1039	1180	1181
3/31/2022 20:00	1039	1040	1181	1183
3/31/2022 21:00	1040	1041	1183	1188
3/31/2022 22:00	1041	1042	1187	1188
3/31/2022 23:00	1042	1042	1186	1187