



825 Rice Street
Saint Paul, MN 55117

April 12, 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 March 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'. The signature is written in a cursive, flowing style.

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
3/1/2023 0:00	1042	1042	1173	1179
3/1/2023 1:00	1042	1042	1167	1173
3/1/2023 2:00	1042	1042	1166	1167
3/1/2023 3:00	1042	1042	1163	1166
3/1/2023 4:00	1042	1042	1163	1167
3/1/2023 5:00	1042	1042	1166	1167
3/1/2023 6:00	1042	1042	1166	1168
3/1/2023 7:00	1042	1042	1163	1166
3/1/2023 8:00	1042	1042	1166	1167
3/1/2023 9:00	1042	1042	1165	1166
3/1/2023 10:00	1042	1042	1164	1165
3/1/2023 11:00	1042	1042	1163	1164
3/1/2023 12:00	1042	1042	1164	1167
3/1/2023 13:00	1042	1042	1166	1167
3/1/2023 14:00	1042	1042	1166	1167
3/1/2023 15:00	1042	1042	1166	1167
3/1/2023 16:00	1042	1042	1164	1166
3/1/2023 17:00	1042	1042	1164	1167
3/1/2023 18:00	1042	1042	1165	1167
3/1/2023 19:00	1042	1042	1162	1166
3/1/2023 20:00	1042	1042	1162	1164
3/1/2023 21:00	1042	1042	1164	1166
3/1/2023 22:00	1042	1042	1164	1164
3/1/2023 23:00	1042	1043	1161	1164
3/2/2023 0:00	1043	1043	1160	1161
3/2/2023 1:00	1043	1043	1159	1160
3/2/2023 2:00	1043	1043	1159	1161
3/2/2023 3:00	1043	1043	1160	1161
3/2/2023 4:00	1043	1043	1161	1162
3/2/2023 5:00	1043	1043	1162	1167
3/2/2023 6:00	1043	1043	1166	1167
3/2/2023 7:00	1043	1043	1166	1167
3/2/2023 8:00	1043	1043	1167	1170
3/2/2023 9:00	1043	1043	1170	1173
3/2/2023 10:00	1043	1043	1173	1174
3/2/2023 11:00	1043	1043	1169	1173
3/2/2023 12:00	1043	1043	1169	1169
3/2/2023 13:00	1043	1043	1168	1169
3/2/2023 14:00	1043	1043	1168	1169
3/2/2023 15:00	1043	1043	1166	1168
3/2/2023 16:00	1043	1043	1165	1166
3/2/2023 17:00	1043	1043	1164	1165
3/2/2023 18:00	1042	1043	1163	1164
3/2/2023 19:00	1042	1042	1162	1163
3/2/2023 20:00	1042	1043	1162	1162
3/2/2023 21:00	1043	1043	1162	1163
3/2/2023 22:00	1043	1043	1161	1163
3/2/2023 23:00	1043	1043	1160	1161
3/3/2023 0:00	1043	1043	1158	1160
3/3/2023 1:00	1043	1043	1157	1158
3/3/2023 2:00	1043	1043	1157	1158
3/3/2023 3:00	1043	1043	1155	1157
3/3/2023 4:00	1043	1043	1156	1158
3/3/2023 5:00	1043	1043	1158	1159
3/3/2023 6:00	1043	1043	1159	1162
3/3/2023 7:00	1042	1043	1162	1164
3/3/2023 8:00	1042	1043	1159	1164
3/3/2023 9:00	1043	1043	1159	1162
3/3/2023 10:00	1043	1043	1162	1163
3/3/2023 11:00	1043	1043	1162	1162
3/3/2023 12:00	1043	1043	1162	1162
3/3/2023 13:00	1043	1043	1162	1162
3/3/2023 14:00	1043	1043	1162	1162
3/3/2023 15:00	1043	1043	1162	1166
3/3/2023 16:00	1043	1043	1165	1166
3/3/2023 17:00	1042	1043	1165	1166
3/3/2023 18:00	1042	1042	1164	1165
3/3/2023 19:00	1042	1042	1164	1165
3/3/2023 20:00	1042	1042	1165	1167
3/3/2023 21:00	1042	1042	1166	1167
3/3/2023 22:00	1042	1042	1164	1166
3/3/2023 23:00	1042	1042	1162	1164

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
3/4/2023 0:00	1042	1042	1157	1162
3/4/2023 1:00	1042	1042	1156	1157
3/4/2023 2:00	1042	1042	1157	1160
3/4/2023 3:00	1041	1042	1160	1162
3/4/2023 4:00	1041	1042	1162	1169
3/4/2023 5:00	1042	1042	1169	1174
3/4/2023 6:00	1041	1042	1174	1183
3/4/2023 7:00	1041	1042	1182	1183
3/4/2023 8:00	1041	1042	1183	1186
3/4/2023 9:00	1041	1042	1186	1187
3/4/2023 10:00	1041	1042	1186	1189
3/4/2023 11:00	1041	1042	1189	1191
3/4/2023 12:00	1042	1042	1191	1195
3/4/2023 13:00	1042	1043	1187	1195
3/4/2023 14:00	1043	1043	1184	1187
3/4/2023 15:00	1043	1043	1184	1184
3/4/2023 16:00	1043	1043	1184	1185
3/4/2023 17:00	1043	1043	1182	1184
3/4/2023 18:00	1042	1043	1182	1185
3/4/2023 19:00	1042	1042	1185	1188
3/4/2023 20:00	1042	1042	1183	1186
3/4/2023 21:00	1042	1042	1182	1183
3/4/2023 22:00	1042	1042	1181	1182
3/4/2023 23:00	1042	1042	1172	1181
3/5/2023 0:00	1042	1042	1173	1183
3/5/2023 1:00	1042	1042	1183	1185
3/5/2023 2:00	1042	1042	1183	1185
3/5/2023 3:00	1042	1042	1183	1184
3/5/2023 4:00	1042	1042	1184	1187
3/5/2023 5:00	1042	1042	1187	1189
3/5/2023 6:00	1042	1043	1188	1191
3/5/2023 7:00	1043	1043	1189	1191
3/5/2023 8:00	1043	1043	1189	1193
3/5/2023 9:00	1042	1043	1190	1195
3/5/2023 10:00	1042	1043	1190	1195
3/5/2023 11:00	1043	1043	1188	1195
3/5/2023 12:00	1043	1043	1192	1192
3/5/2023 13:00	1042	1043	1192	1193
3/5/2023 14:00	1042	1043	1190	1193
3/5/2023 15:00	1042	1043	1189	1190
3/5/2023 16:00	1042	1042	1184	1189
3/5/2023 17:00	1042	1043	1184	1186
3/5/2023 18:00	1043	1043	1183	1186
3/5/2023 19:00	1043	1043	1182	1183
3/5/2023 20:00	1043	1043	1179	1182
3/5/2023 21:00	1043	1043	1176	1179
3/5/2023 22:00	1043	1043	1173	1176
3/5/2023 23:00	1043	1043	1173	1174
3/6/2023 0:00	1043	1043	1173	1174
3/6/2023 1:00	1043	1043	1173	1173
3/6/2023 2:00	1043	1043	1168	1173
3/6/2023 3:00	1043	1043	1168	1169
3/6/2023 4:00	1043	1043	1169	1173
3/6/2023 5:00	1043	1043	1173	1174
3/6/2023 6:00	1043	1043	1174	1177
3/6/2023 7:00	1043	1043	1177	1178
3/6/2023 8:00	1043	1043	1174	1178
3/6/2023 9:00	1043	1043	1175	1178
3/6/2023 10:00	1042	1043	1178	1180
3/6/2023 11:00	1042	1042	1178	1179
3/6/2023 11:00	1042	1042	1176	1179
3/6/2023 12:00	1042	1042	1171	1176
3/6/2023 12:00	1042	1042	1172	1176
3/6/2023 13:00	1042	1042	1171	1172
3/6/2023 14:00	1042	1042	1171	1173
3/6/2023 15:00	1041	1042	1170	1171
3/6/2023 16:00	1041	1041	1168	1170
3/6/2023 17:00	1041	1041	1166	1168
3/6/2023 18:00	1041	1041	1166	1167
3/6/2023 19:00	1041	1042	1166	1169
3/6/2023 20:00	1042	1042	1168	1169
3/6/2023 21:00	1042	1042	1168	1170
3/6/2023 22:00	1042	1042	1169	1170
3/6/2023 23:00	1042	1042	1166	1169
3/7/2023 0:00	1042	1042	1162	1166
3/7/2023 1:00	1042	1042	1160	1162
3/7/2023 2:00	1042	1042	1160	1163
3/7/2023 3:00	1042	1042	1163	1166
3/7/2023 4:00	1042	1042	1166	1167
3/7/2023 5:00	1042	1042	1167	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
3/7/2023 6:00	1042	1042	1170	1173
3/7/2023 7:00	1042	1042	1173	1177
3/7/2023 8:00	1042	1042	1177	1180
3/7/2023 9:00	1042	1042	1180	1182
3/7/2023 10:00	1042	1042	1182	1182
3/7/2023 11:00	1042	1043	1180	1182
3/7/2023 12:00	1042	1043	1180	1182
3/7/2023 13:00	1042	1042	1179	1182
3/7/2023 14:00	1042	1042	1175	1180
3/7/2023 15:00	1041	1042	1173	1175
3/7/2023 16:00	1041	1041	1172	1173
3/7/2023 17:00	1041	1041	1172	1173
3/7/2023 18:00	1040	1041	1172	1173
3/7/2023 19:00	1040	1041	1173	1174
3/7/2023 20:00	1040	1041	1173	1174
3/7/2023 21:00	1040	1040	1174	1175
3/7/2023 22:00	1040	1040	1175	1176
3/7/2023 23:00	1040	1040	1171	1176
3/8/2023 0:00	1040	1041	1172	1173
3/8/2023 1:00	1040	1041	1168	1172
3/8/2023 2:00	1040	1041	1168	1171
3/8/2023 3:00	1041	1041	1170	1171
3/8/2023 4:00	1041	1041	1170	1170
3/8/2023 5:00	1041	1041	1170	1171
3/8/2023 6:00	1040	1041	1171	1174
3/8/2023 7:00	1040	1040	1174	1177
3/8/2023 8:00	1040	1040	1175	1177
3/8/2023 9:00	1040	1040	1173	1176
3/8/2023 10:00	1040	1040	1171	1173
3/8/2023 11:00	1040	1040	1169	1171
3/8/2023 12:00	1040	1040	1169	1169
3/8/2023 13:00	1039	1040	1169	1169
3/8/2023 14:00	1039	1039	1169	1169
3/8/2023 15:00	1038	1039	1169	1169
3/8/2023 16:00	1038	1038	1169	1169
3/8/2023 17:00	1038	1038	1169	1169
3/8/2023 18:00	1038	1038	1169	1169
3/8/2023 19:00	1038	1038	1169	1169
3/8/2023 20:00	1038	1039	1169	1169
3/8/2023 21:00	1039	1039	1169	1169
3/8/2023 22:00	1039	1039	1169	1169
3/8/2023 23:00	1039	1039	1169	1169
3/9/2023 0:00	1039	1039	1169	1169
3/9/2023 1:00	1039	1039	1169	1169
3/9/2023 2:00	1039	1045	1169	1169
3/9/2023 3:00	1045	1047	1169	1169
3/9/2023 4:00	1047	1047	1169	1169
3/9/2023 5:00	1047	1047	1169	1169
3/9/2023 6:00	1046	1047	1169	1169
3/9/2023 7:00	1043	1046	1169	1169
3/9/2023 8:00	1043	1043	1169	1169
3/9/2023 9:00	1043	1043	1168	1169
3/9/2023 10:00	1043	1043	1163	1168
3/9/2023 11:00	1043	1045	1164	1164
3/9/2023 12:00	1045	1047	1164	1167
3/9/2023 13:00	1047	1047	1167	1167
3/9/2023 14:00	1047	1047	1167	1169
3/9/2023 15:00	1047	1047	1166	1168
3/9/2023 16:00	1047	1047	1166	1166
3/9/2023 17:00	1047	1047	1166	1167
3/9/2023 18:00	1047	1047	1167	1170
3/9/2023 19:00	1047	1047	1169	1170
3/9/2023 20:00	1047	1047	1167	1169
3/9/2023 21:00	1047	1047	1167	1170
3/9/2023 22:00	1047	1047	1169	1170
3/9/2023 23:00	1047	1047	1167	1169
3/10/2023 0:00	1047	1047	1165	1167
3/10/2023 1:00	1047	1047	1164	1165
3/10/2023 2:00	1047	1047	1163	1164
3/10/2023 3:00	1047	1047	1160	1163
3/10/2023 4:00	1044	1047	1160	1163
3/10/2023 5:00	1044	1046	1163	1166
3/10/2023 6:00	1046	1046	1166	1167
3/10/2023 7:00	1046	1047	1167	1170
3/10/2023 8:00	1047	1047	1169	1170
3/10/2023 9:00	1047	1047	1170	1171
3/10/2023 10:00	1047	1047	1171	1172
3/10/2023 11:00	1047	1047	1171	1173
3/10/2023 12:00	1046	1047	1172	1173
3/10/2023 13:00	1046	1046	1170	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
3/10/2023 14:00	1046	1046	1168	1170
3/10/2023 15:00	1046	1046	1168	1169
3/10/2023 16:00	1045	1046	1168	1169
3/10/2023 17:00	1044	1045	1168	1171
3/10/2023 18:00	1044	1044	1170	1171
3/10/2023 19:00	1042	1044	1170	1173
3/10/2023 20:00	1041	1042	1171	1173
3/10/2023 21:00	1040	1041	1171	1171
3/10/2023 22:00	1039	1040	1171	1172
3/10/2023 23:00	1039	1039	1171	1172
3/11/2023 0:00	1039	1039	1170	1171
3/11/2023 1:00	1039	1039	1169	1170
3/11/2023 2:00	1039	1039	1168	1169
3/11/2023 3:00	1039	1039	1167	1168
3/11/2023 4:00	1039	1040	1165	1168
3/11/2023 5:00	1040	1040	1168	1168
3/11/2023 6:00	1040	1040	1168	1169
3/11/2023 7:00	1040	1040	1169	1171
3/11/2023 8:00	1040	1040	1171	1173
3/11/2023 9:00	1040	1040	1173	1175
3/11/2023 10:00	1040	1040	1175	1176
3/11/2023 11:00	1040	1040	1176	1177
3/11/2023 12:00	1040	1040	1175	1177
3/11/2023 13:00	1040	1040	1175	1177
3/11/2023 14:00	1040	1041	1174	1177
3/11/2023 15:00	1041	1041	1173	1174
3/11/2023 16:00	1041	1041	1172	1173
3/11/2023 17:00	1041	1041	1172	1172
3/11/2023 18:00	1041	1041	1171	1172
3/11/2023 19:00	1041	1042	1170	1171
3/11/2023 20:00	1042	1043	1171	1172
3/11/2023 21:00	1043	1043	1171	1172
3/11/2023 22:00	1043	1043	1171	1172
3/11/2023 23:00	1043	1044	1172	1173
3/12/2023 0:00	1043	1044	1173	1175
3/12/2023 1:00	1043	1044	1171	1175
3/12/2023 3:00	1044	1044	1169	1171
3/12/2023 4:00	1044	1044	1166	1169
3/12/2023 5:00	1044	1044	1168	1170
3/12/2023 6:00	1044	1044	1170	1170
3/12/2023 7:00	1043	1044	1168	1170
3/12/2023 8:00	1043	1044	1167	1173
3/12/2023 9:00	1043	1044	1173	1176
3/12/2023 10:00	1043	1043	1174	1179
3/12/2023 11:00	1043	1043	1173	1174
3/12/2023 12:00	1043	1043	1172	1173
3/12/2023 13:00	1042	1043	1172	1173
3/12/2023 14:00	1042	1042	1173	1173
3/12/2023 15:00	1042	1042	1170	1173
3/12/2023 16:00	1041	1042	1169	1170
3/12/2023 17:00	1040	1041	1170	1175
3/12/2023 18:00	1038	1040	1175	1176
3/12/2023 19:00	1037	1038	1173	1175
3/12/2023 20:00	1036	1037	1166	1173
3/12/2023 21:00	1036	1036	1166	1167
3/12/2023 22:00	1036	1036	1166	1167
3/12/2023 23:00	1036	1036	1166	1166
3/13/2023 0:00	1036	1036	1159	1166
3/13/2023 1:00	1036	1036	1158	1160
3/13/2023 2:00	1035	1036	1157	1158
3/13/2023 3:00	1035	1035	1155	1157
3/13/2023 4:00	1035	1035	1151	1155
3/13/2023 5:00	1035	1035	1150	1151
3/13/2023 6:00	1035	1035	1151	1155
3/13/2023 7:00	1035	1035	1155	1156
3/13/2023 8:00	1035	1035	1155	1157
3/13/2023 9:00	1035	1035	1157	1163
3/13/2023 10:00	1035	1036	1163	1169
3/13/2023 11:00	1036	1036	1168	1169
3/13/2023 12:00	1036	1036	1168	1168
3/13/2023 13:00	1036	1037	1168	1172
3/13/2023 14:00	1037	1037	1172	1178
3/13/2023 15:00	1037	1038	1178	1185
3/13/2023 16:00	1038	1039	1184	1187
3/13/2023 17:00	1039	1039	1184	1191
3/13/2023 18:00	1039	1039	1184	1191
3/13/2023 19:00	1038	1039	1184	1199
3/13/2023 20:00	1038	1038	1199	1200
3/13/2023 21:00	1038	1038	1200	1200
3/13/2023 22:00	1037	1038	1178	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
3/13/2023 23:00	1036	1037	1178	1183
3/14/2023 0:00	1035	1036	1182	1184
3/14/2023 1:00	1035	1035	1184	1189
3/14/2023 2:00	1035	1035	1179	1189
3/14/2023 3:00	1035	1035	1179	1179
3/14/2023 4:00	1035	1038	1178	1179
3/14/2023 5:00	1038	1038	1178	1187
3/14/2023 6:00	1038	1039	1187	1191
3/14/2023 7:00	1039	1039	1191	1193
3/14/2023 8:00	1039	1039	1193	1196
3/14/2023 9:00	1039	1039	1196	1200
3/14/2023 10:00	1039	1039	1198	1200
3/14/2023 11:00	1039	1039	1193	1200
3/14/2023 12:00	1037	1039	1177	1193
3/14/2023 13:00	1034	1037	1171	1177
3/14/2023 14:00	1034	1034	1175	1191
3/14/2023 15:00	1034	1035	1186	1192
3/14/2023 16:00	1035	1035	1186	1188
3/14/2023 17:00	1035	1036	1186	1188
3/14/2023 18:00	1036	1036	1188	1189
3/14/2023 19:00	1036	1036	1185	1189
3/14/2023 20:00	1036	1036	1185	1187
3/14/2023 21:00	1036	1036	1187	1190
3/14/2023 22:00	1036	1036	1190	1193
3/14/2023 23:00	1036	1036	1193	1193
3/15/2023 0:00	1036	1036	1190	1193
3/15/2023 1:00	1036	1036	1188	1191
3/15/2023 2:00	1036	1036	1183	1188
3/15/2023 3:00	1036	1037	1181	1183
3/15/2023 4:00	1036	1037	1182	1183
3/15/2023 5:00	1036	1036	1183	1185
3/15/2023 6:00	1036	1036	1185	1187
3/15/2023 7:00	1036	1036	1187	1189
3/15/2023 8:00	1036	1036	1189	1193
3/15/2023 9:00	1036	1036	1193	1196
3/15/2023 10:00	1036	1036	1196	1197
3/15/2023 11:00	1036	1036	1197	1198
3/15/2023 12:00	1036	1036	1198	1200
3/15/2023 13:00	1036	1036	1200	1200
3/15/2023 14:00	1036	1036	1192	1200
3/15/2023 15:00	1036	1036	1190	1192
3/15/2023 16:00	1036	1036	1190	1192
3/15/2023 17:00	1036	1036	1190	1192
3/15/2023 18:00	1036	1037	1190	1191
3/15/2023 19:00	1037	1037	1189	1191
3/15/2023 20:00	1037	1037	1189	1189
3/15/2023 21:00	1037	1037	1189	1189
3/15/2023 22:00	1037	1037	1189	1190
3/15/2023 23:00	1037	1037	1188	1190
3/16/2023 0:00	1037	1037	1182	1188
3/16/2023 1:00	1037	1037	1174	1182
3/16/2023 2:00	1037	1037	1174	1178
3/16/2023 3:00	1037	1037	1176	1178
3/16/2023 4:00	1037	1037	1176	1177
3/16/2023 5:00	1037	1037	1177	1178
3/16/2023 6:00	1037	1037	1178	1178
3/16/2023 7:00	1036	1037	1178	1182
3/16/2023 8:00	1036	1036	1182	1184
3/16/2023 9:00	1036	1036	1184	1188
3/16/2023 10:00	1036	1036	1188	1193
3/16/2023 11:00	1035	1036	1193	1199
3/16/2023 12:00	1035	1035	1199	1200
3/16/2023 13:00	1035	1035	1184	1200
3/16/2023 14:00	1035	1036	1181	1184
3/16/2023 15:00	1035	1036	1179	1184
3/16/2023 16:00	1035	1035	1180	1184
3/16/2023 17:00	1035	1036	1179	1183
3/16/2023 18:00	1036	1036	1179	1179
3/16/2023 19:00	1036	1037	1179	1187
3/16/2023 20:00	1037	1037	1186	1194
3/16/2023 21:00	1037	1037	1189	1194
3/16/2023 22:00	1037	1037	1187	1190
3/16/2023 23:00	1037	1037	1190	1196
3/17/2023 0:00	1037	1037	1196	1197
3/17/2023 1:00	1036	1037	1197	1198
3/17/2023 2:00	1036	1036	1197	1198
3/17/2023 3:00	1036	1036	1197	1198
3/17/2023 4:00	1036	1037	1197	1198
3/17/2023 5:00	1036	1037	1182	1197
3/17/2023 6:00	1037	1037	1182	1190

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
3/17/2023 7:00	1037	1037	1190	1195
3/17/2023 8:00	1037	1037	1195	1196
3/17/2023 9:00	1037	1037	1195	1196
3/17/2023 10:00	1037	1037	1196	1197
3/17/2023 11:00	1037	1037	1197	1199
3/17/2023 12:00	1037	1037	1194	1199
3/17/2023 13:00	1037	1037	1189	1194
3/17/2023 14:00	1037	1037	1189	1194
3/17/2023 15:00	1037	1038	1193	1194
3/17/2023 16:00	1038	1038	1192	1194
3/17/2023 17:00	1038	1038	1189	1192
3/17/2023 18:00	1038	1038	1185	1189
3/17/2023 19:00	1038	1038	1188	1191
3/17/2023 20:00	1038	1038	1190	1198
3/17/2023 21:00	1038	1038	1183	1198
3/17/2023 22:00	1038	1038	1182	1184
3/17/2023 23:00	1038	1039	1182	1184
3/18/2023 0:00	1039	1041	1184	1188
3/18/2023 1:00	1041	1043	1182	1187
3/18/2023 2:00	1043	1045	1179	1182
3/18/2023 3:00	1045	1046	1177	1181
3/18/2023 4:00	1046	1047	1171	1181
3/18/2023 5:00	1047	1047	1169	1171
3/18/2023 6:00	1047	1047	1169	1172
3/18/2023 7:00	1047	1047	1172	1172
3/18/2023 8:00	1047	1047	1172	1174
3/18/2023 9:00	1047	1047	1173	1174
3/18/2023 10:00	1047	1047	1171	1173
3/18/2023 11:00	1047	1047	1171	1172
3/18/2023 12:00	1047	1047	1171	1179
3/18/2023 13:00	1046	1047	1178	1179
3/18/2023 14:00	1045	1046	1175	1178
3/18/2023 15:00	1044	1045	1169	1175
3/18/2023 16:00	1043	1044	1166	1169
3/18/2023 17:00	1043	1044	1166	1168
3/18/2023 18:00	1043	1044	1168	1169
3/18/2023 19:00	1043	1043	1167	1168
3/18/2023 20:00	1043	1043	1165	1167
3/18/2023 21:00	1042	1043	1165	1167
3/18/2023 22:00	1040	1042	1167	1170
3/18/2023 23:00	1038	1040	1169	1170
3/19/2023 0:00	1037	1038	1168	1170
3/19/2023 1:00	1036	1037	1164	1168
3/19/2023 2:00	1036	1036	1163	1166
3/19/2023 3:00	1036	1036	1166	1175
3/19/2023 4:00	1036	1036	1161	1168
3/19/2023 5:00	1036	1037	1160	1161
3/19/2023 6:00	1037	1037	1161	1163
3/19/2023 7:00	1037	1037	1162	1164
3/19/2023 8:00	1037	1037	1164	1166
3/19/2023 9:00	1037	1038	1166	1173
3/19/2023 10:00	1038	1038	1169	1173
3/19/2023 11:00	1038	1038	1169	1170
3/19/2023 12:00	1038	1038	1170	1176
3/19/2023 13:00	1038	1038	1176	1177
3/19/2023 14:00	1037	1038	1177	1179
3/19/2023 15:00	1037	1037	1179	1180
3/19/2023 16:00	1037	1037	1179	1180
3/19/2023 17:00	1037	1037	1179	1179
3/19/2023 18:00	1037	1038	1179	1182
3/19/2023 19:00	1038	1038	1180	1182
3/19/2023 20:00	1038	1038	1174	1180
3/19/2023 21:00	1038	1038	1174	1175
3/19/2023 22:00	1038	1038	1175	1177
3/19/2023 23:00	1038	1038	1177	1179
3/20/2023 0:00	1038	1038	1179	1184
3/20/2023 1:00	1037	1038	1179	1184
3/20/2023 2:00	1037	1037	1177	1180
3/20/2023 3:00	1037	1037	1177	1178
3/20/2023 4:00	1037	1037	1177	1178
3/20/2023 5:00	1037	1037	1178	1183
3/20/2023 6:00	1037	1037	1183	1185
3/20/2023 7:00	1037	1037	1185	1189
3/20/2023 8:00	1037	1037	1188	1189
3/20/2023 9:00	1037	1037	1188	1189
3/20/2023 10:00	1037	1037	1184	1189
3/20/2023 11:00	1037	1037	1179	1184
3/20/2023 12:00	1037	1037	1180	1183
3/20/2023 13:00	1037	1037	1183	1184
3/20/2023 14:00	1037	1037	1182	1186

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
3/20/2023 15:00	1037	1037	1182	1185
3/20/2023 16:00	1037	1037	1185	1186
3/20/2023 17:00	1037	1039	1183	1186
3/20/2023 18:00	1039	1039	1182	1183
3/20/2023 19:00	1039	1040	1183	1187
3/20/2023 20:00	1040	1040	1187	1190
3/20/2023 21:00	1040	1040	1188	1190
3/20/2023 22:00	1040	1041	1188	1191
3/20/2023 23:00	1041	1041	1191	1191
3/21/2023 0:00	1041	1041	1191	1191
3/21/2023 1:00	1041	1041	1191	1196
3/21/2023 2:00	1041	1041	1190	1196
3/21/2023 3:00	1041	1041	1185	1190
3/21/2023 4:00	1041	1042	1184	1185
3/21/2023 5:00	1042	1043	1183	1184
3/21/2023 6:00	1043	1043	1184	1186
3/21/2023 7:00	1042	1043	1185	1186
3/21/2023 8:00	1042	1042	1186	1188
3/21/2023 9:00	1042	1042	1188	1188
3/21/2023 10:00	1042	1042	1188	1189
3/21/2023 11:00	1042	1042	1188	1190
3/21/2023 12:00	1041	1042	1187	1190
3/21/2023 13:00	1041	1041	1185	1187
3/21/2023 14:00	1041	1041	1186	1187
3/21/2023 15:00	1040	1041	1185	1187
3/21/2023 16:00	1040	1040	1184	1185
3/21/2023 17:00	1040	1040	1184	1188
3/21/2023 18:00	1040	1040	1187	1188
3/21/2023 19:00	1040	1040	1188	1189
3/21/2023 20:00	1039	1040	1189	1192
3/21/2023 21:00	1039	1039	1192	1193
3/21/2023 22:00	1039	1040	1192	1193
3/21/2023 23:00	1039	1040	1192	1193
3/22/2023 0:00	1039	1039	1187	1193
3/22/2023 1:00	1039	1039	1185	1187
3/22/2023 2:00	1039	1040	1184	1185
3/22/2023 3:00	1039	1040	1181	1184
3/22/2023 4:00	1039	1040	1180	1181
3/22/2023 5:00	1039	1040	1180	1182
3/22/2023 6:00	1039	1039	1182	1184
3/22/2023 7:00	1039	1039	1183	1184
3/22/2023 8:00	1039	1039	1183	1191
3/22/2023 9:00	1039	1039	1190	1192
3/22/2023 10:00	1039	1039	1191	1192
3/22/2023 11:00	1039	1039	1188	1191
3/22/2023 12:00	1039	1039	1186	1188
3/22/2023 13:00	1039	1039	1184	1186
3/22/2023 14:00	1039	1039	1184	1185
3/22/2023 15:00	1039	1039	1184	1185
3/22/2023 16:00	1039	1039	1185	1185
3/22/2023 17:00	1039	1039	1185	1186
3/22/2023 18:00	1039	1039	1185	1186
3/22/2023 19:00	1039	1039	1185	1186
3/22/2023 20:00	1039	1039	1185	1186
3/22/2023 21:00	1039	1039	1185	1186
3/22/2023 22:00	1039	1039	1186	1188
3/22/2023 23:00	1039	1039	1188	1191
3/23/2023 0:00	1039	1039	1191	1195
3/23/2023 1:00	1039	1039	1195	1198
3/23/2023 2:00	1039	1039	1193	1198
3/23/2023 3:00	1038	1039	1193	1194
3/23/2023 4:00	1038	1038	1194	1197
3/23/2023 5:00	1038	1039	1196	1198
3/23/2023 6:00	1039	1039	1195	1196
3/23/2023 7:00	1039	1039	1196	1197
3/23/2023 8:00	1039	1039	1197	1199
3/23/2023 9:00	1039	1039	1196	1200
3/23/2023 10:00	1039	1040	1190	1196
3/23/2023 11:00	1039	1040	1187	1190
3/23/2023 12:00	1039	1039	1185	1187
3/23/2023 13:00	1039	1039	1183	1185
3/23/2023 14:00	1039	1039	1183	1185
3/23/2023 15:00	1039	1039	1185	1187
3/23/2023 16:00	1039	1040	1187	1188
3/23/2023 17:00	1040	1041	1188	1191
3/23/2023 18:00	1041	1041	1190	1195
3/23/2023 19:00	1041	1042	1195	1200
3/23/2023 20:00	1042	1042	1200	1200
3/23/2023 21:00	1042	1043	1200	1200
3/23/2023 22:00	1043	1044	1196	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
3/23/2023 23:00	1044	1044	1196	1197
3/24/2023 0:00	1044	1044	1197	1198
3/24/2023 1:00	1044	1045	1194	1198
3/24/2023 2:00	1045	1045	1194	1199
3/24/2023 3:00	1045	1045	1198	1199
3/24/2023 4:00	1045	1045	1195	1198
3/24/2023 5:00	1045	1045	1195	1196
3/24/2023 6:00	1045	1045	1195	1196
3/24/2023 7:00	1045	1045	1191	1195
3/24/2023 8:00	1045	1045	1187	1191
3/24/2023 9:00	1045	1045	1186	1188
3/24/2023 10:00	1045	1045	1183	1186
3/24/2023 11:00	1045	1045	1183	1185
3/24/2023 12:00	1045	1045	1185	1186
3/24/2023 13:00	1045	1045	1186	1186
3/24/2023 14:00	1045	1045	1186	1187
3/24/2023 15:00	1045	1045	1186	1186
3/24/2023 16:00	1045	1045	1186	1188
3/24/2023 17:00	1045	1045	1187	1191
3/24/2023 18:00	1045	1045	1191	1195
3/24/2023 19:00	1045	1045	1195	1197
3/24/2023 20:00	1045	1045	1190	1197
3/24/2023 21:00	1045	1045	1186	1190
3/24/2023 22:00	1045	1045	1186	1196
3/24/2023 23:00	1045	1045	1193	1198
3/25/2023 0:00	1045	1045	1193	1196
3/25/2023 1:00	1045	1045	1196	1197
3/25/2023 2:00	1045	1045	1196	1197
3/25/2023 3:00	1045	1045	1195	1196
3/25/2023 4:00	1045	1045	1192	1195
3/25/2023 5:00	1045	1045	1192	1192
3/25/2023 6:00	1045	1045	1188	1192
3/25/2023 7:00	1045	1045	1185	1188
3/25/2023 8:00	1045	1045	1184	1185
3/25/2023 9:00	1045	1045	1184	1185
3/25/2023 10:00	1045	1045	1184	1185
3/25/2023 11:00	1045	1045	1183	1184
3/25/2023 12:00	1045	1045	1183	1184
3/25/2023 13:00	1045	1045	1184	1186
3/25/2023 14:00	1045	1045	1186	1200
3/25/2023 15:00	1045	1045	1200	1200
3/25/2023 16:00	1045	1045	1200	1200
3/25/2023 17:00	1045	1045	1200	1200
3/25/2023 18:00	1045	1045	1199	1200
3/25/2023 19:00	1045	1045	1198	1199
3/25/2023 20:00	1045	1045	1195	1198
3/25/2023 21:00	1045	1046	1187	1195
3/25/2023 22:00	1046	1046	1187	1190
3/25/2023 23:00	1046	1046	1190	1194
3/26/2023 0:00	1046	1046	1193	1196
3/26/2023 1:00	1046	1046	1193	1196
3/26/2023 2:00	1046	1046	1191	1193
3/26/2023 3:00	1046	1046	1190	1191
3/26/2023 4:00	1045	1046	1190	1190
3/26/2023 5:00	1045	1045	1187	1190
3/26/2023 6:00	1045	1045	1185	1187
3/26/2023 7:00	1045	1045	1182	1185
3/26/2023 8:00	1045	1045	1181	1184
3/26/2023 9:00	1044	1045	1184	1184
3/26/2023 10:00	1044	1045	1184	1186
3/26/2023 11:00	1045	1045	1186	1188
3/26/2023 12:00	1045	1045	1186	1188
3/26/2023 13:00	1045	1045	1184	1188
3/26/2023 14:00	1045	1045	1184	1185
3/26/2023 15:00	1044	1045	1184	1189
3/26/2023 16:00	1044	1044	1189	1189
3/26/2023 17:00	1044	1045	1186	1189
3/26/2023 18:00	1045	1045	1184	1186
3/26/2023 19:00	1045	1045	1186	1187
3/26/2023 20:00	1045	1045	1182	1188
3/26/2023 21:00	1045	1045	1182	1190
3/26/2023 22:00	1045	1045	1190	1193
3/26/2023 23:00	1045	1045	1190	1193
3/27/2023 0:00	1045	1045	1190	1199
3/27/2023 1:00	1045	1045	1194	1199
3/27/2023 2:00	1045	1045	1192	1194
3/27/2023 3:00	1045	1045	1192	1192
3/27/2023 4:00	1045	1045	1191	1192
3/27/2023 5:00	1045	1045	1187	1191
3/27/2023 6:00	1045	1045	1187	1188

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
3/27/2023 7:00	1045	1045	1184	1187
3/27/2023 8:00	1045	1045	1184	1185
3/27/2023 9:00	1045	1045	1184	1187
3/27/2023 10:00	1045	1046	1184	1187
3/27/2023 11:00	1045	1046	1184	1188
3/27/2023 12:00	1045	1045	1187	1189
3/27/2023 13:00	1045	1045	1185	1187
3/27/2023 14:00	1045	1045	1186	1187
3/27/2023 15:00	1045	1045	1187	1191
3/27/2023 16:00	1045	1045	1191	1193
3/27/2023 17:00	1045	1045	1193	1194
3/27/2023 18:00	1045	1045	1192	1194
3/27/2023 19:00	1045	1045	1192	1193
3/27/2023 20:00	1045	1046	1189	1193
3/27/2023 21:00	1045	1046	1187	1189
3/27/2023 22:00	1045	1045	1187	1193
3/27/2023 23:00	1045	1045	1193	1195
3/28/2023 0:00	1045	1045	1192	1195
3/28/2023 1:00	1045	1045	1189	1192
3/28/2023 2:00	1045	1046	1189	1191
3/28/2023 3:00	1046	1046	1187	1189
3/28/2023 4:00	1045	1046	1185	1187
3/28/2023 5:00	1045	1046	1181	1185
3/28/2023 6:00	1046	1046	1181	1184
3/28/2023 7:00	1046	1046	1184	1185
3/28/2023 8:00	1046	1046	1184	1188
3/28/2023 9:00	1046	1046	1188	1190
3/28/2023 10:00	1046	1046	1190	1191
3/28/2023 11:00	1046	1046	1190	1191
3/28/2023 12:00	1046	1046	1188	1190
3/28/2023 13:00	1046	1046	1184	1188
3/28/2023 14:00	1046	1046	1178	1184
3/28/2023 15:00	1045	1046	1178	1180
3/28/2023 16:00	1044	1045	1180	1181
3/28/2023 17:00	1043	1044	1181	1182
3/28/2023 18:00	1043	1043	1182	1182
3/28/2023 19:00	1042	1043	1182	1183
3/28/2023 20:00	1041	1042	1180	1183
3/28/2023 21:00	1040	1041	1180	1185
3/28/2023 22:00	1040	1040	1185	1187
3/28/2023 23:00	1040	1040	1187	1197
3/29/2023 0:00	1040	1040	1197	1197
3/29/2023 1:00	1039	1040	1197	1198
3/29/2023 2:00	1039	1039	1198	1199
3/29/2023 3:00	1039	1040	1199	1199
3/29/2023 4:00	1040	1041	1192	1199
3/29/2023 5:00	1041	1041	1192	1192
3/29/2023 6:00	1041	1041	1192	1195
3/29/2023 7:00	1041	1041	1195	1198
3/29/2023 8:00	1040	1041	1196	1198
3/29/2023 9:00	1040	1040	1196	1200
3/29/2023 10:00	1040	1040	1200	1200
3/29/2023 11:00	1040	1040	1194	1200
3/29/2023 12:00	1040	1040	1191	1195
3/29/2023 13:00	1039	1040	1189	1191
3/29/2023 14:00	1039	1039	1188	1189
3/29/2023 15:00	1039	1039	1185	1188
3/29/2023 16:00	1039	1039	1182	1185
3/29/2023 17:00	1039	1039	1182	1187
3/29/2023 18:00	1039	1039	1187	1190
3/29/2023 19:00	1039	1039	1186	1188
3/29/2023 20:00	1039	1039	1186	1188
3/29/2023 21:00	1038	1039	1188	1189
3/29/2023 22:00	1038	1038	1187	1188
3/29/2023 23:00	1038	1038	1188	1190
3/30/2023 0:00	1038	1038	1190	1193
3/30/2023 1:00	1038	1038	1191	1193
3/30/2023 2:00	1038	1038	1183	1191
3/30/2023 3:00	1038	1038	1178	1183
3/30/2023 4:00	1038	1039	1175	1178
3/30/2023 5:00	1039	1039	1175	1182
3/30/2023 6:00	1039	1039	1182	1182
3/30/2023 7:00	1039	1039	1182	1183
3/30/2023 8:00	1039	1039	1183	1185
3/30/2023 9:00	1038	1039	1185	1185
3/30/2023 10:00	1038	1038	1185	1186
3/30/2023 11:00	1038	1039	1182	1185
3/30/2023 12:00	1039	1039	1182	1185
3/30/2023 13:00	1039	1039	1185	1186
3/30/2023 14:00	1039	1039	1185	1186

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
3/30/2023 15:00	1039	1039	1185	1186
3/30/2023 16:00	1039	1039	1185	1187
3/30/2023 17:00	1039	1039	1186	1188
3/30/2023 18:00	1039	1039	1188	1190
3/30/2023 19:00	1039	1040	1190	1191
3/30/2023 20:00	1040	1040	1190	1193
3/30/2023 21:00	1040	1040	1193	1194
3/30/2023 22:00	1040	1040	1192	1194
3/30/2023 23:00	1040	1040	1189	1192
3/31/2023 0:00	1040	1040	1186	1189
3/31/2023 1:00	1040	1040	1186	1187
3/31/2023 2:00	1040	1040	1187	1188
3/31/2023 3:00	1040	1040	1185	1187
3/31/2023 4:00	1040	1040	1182	1185
3/31/2023 5:00	1040	1040	1182	1184
3/31/2023 6:00	1039	1040	1184	1186
3/31/2023 7:00	1039	1040	1185	1186
3/31/2023 8:00	1039	1040	1185	1186
3/31/2023 9:00	1039	1039	1186	1187
3/31/2023 10:00	1039	1039	1187	1187
3/31/2023 11:00	1039	1039	1187	1188
3/31/2023 12:00	1039	1039	1183	1187
3/31/2023 13:00	1039	1039	1183	1184
3/31/2023 14:00	1039	1039	1183	1184
3/31/2023 15:00	1039	1039	1183	1183
3/31/2023 16:00	1039	1039	1183	1185
3/31/2023 17:00	1039	1040	1185	1187
3/31/2023 18:00	1039	1040	1187	1189
3/31/2023 19:00	1039	1040	1189	1191
3/31/2023 20:00	1040	1040	1190	1191
3/31/2023 21:00	1040	1040	1189	1190
3/31/2023 22:00	1040	1040	1190	1192
3/31/2023 23:00	1040	1040	1189	1191