



825 Rice Street
Saint Paul, MN 55117

March 21, 2017

Darrell Nitschke, 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. Nitschke:

Enclosed with this letter are Xcel Energy's natural gas heating value reports for February 2017 as required by N.D. Admin. Code 69-09-01-02, part 2.

If you need further information or clarification regarding the enclosed response, please contact Lisa Kallberg at 651-229-2282.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Jeff Murray', written over a horizontal line.

Jeff Murray
Manager Pipeline Compliance & 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
2/1/2017 0:00	1026	1026	1133	1135
2/1/2017 1:00	1026	1026	1133	1135
2/1/2017 2:00	1025	1026	1130	1133
2/1/2017 3:00	1025	1025	1127	1130
2/1/2017 4:00	1025	1025	1127	1128
2/1/2017 5:00	1025	1025	1127	1131
2/1/2017 6:00	1025	1025	1130	1133
2/1/2017 7:00	1025	1025	1131	1132
2/1/2017 8:00	1025	1025	1129	1131
2/1/2017 9:00	1025	1025	1129	1132
2/1/2017 10:00	1025	1025	1130	1132
2/1/2017 11:00	1025	1025	1132	1135
2/1/2017 12:00	1025	1025	1135	1136
2/1/2017 13:00	1025	1025	1136	1138
2/1/2017 14:00	1025	1025	1137	1143
2/1/2017 15:00	1025	1025	1131	1143
2/1/2017 16:00	1025	1025	1131	1134
2/1/2017 17:00	1025	1025	1120	1134
2/1/2017 18:00	1025	1025	1120	1132
2/1/2017 19:00	1025	1025	1132	1134
2/1/2017 20:00	1025	1025	1134	1137
2/1/2017 21:00	1025	1025	1133	1137
2/1/2017 22:00	1025	1025	1130	1133
2/1/2017 23:00	1025	1025	1132	1135
2/2/2017 0:00	1025	1025	1133	1134
2/2/2017 1:00	1025	1025	1131	1134
2/2/2017 2:00	1025	1025	1131	1133
2/2/2017 3:00	1025	1025	1133	1133
2/2/2017 4:00	1025	1025	1133	1133
2/2/2017 5:00	1025	1025	1132	1133
2/2/2017 6:00	1025	1025	1131	1134
2/2/2017 7:00	1025	1025	1134	1149
2/2/2017 8:00	1025	1025	1128	1149
2/2/2017 9:00	1025	1025	1128	1131
2/2/2017 10:00	1025	1025	1131	1132
2/2/2017 11:00	1025	1025	1131	1132
2/2/2017 12:00	1025	1025	1130	1132
2/2/2017 13:00	1025	1025	1126	1130
2/2/2017 14:00	1025	1025	1126	1129
2/2/2017 15:00	1025	1025	1127	1129
2/2/2017 16:00	1025	1025	1128	1131
2/2/2017 17:00	1025	1025	1131	1135
2/2/2017 18:00	1025	1025	1131	1135
2/2/2017 19:00	1025	1025	1128	1131
2/2/2017 20:00	1025	1025	1122	1128
2/2/2017 21:00	1025	1025	1124	1127
2/2/2017 22:00	1025	1025	1127	1128
2/2/2017 23:00	1025	1025	1128	1129
2/3/2017 0:00	1025	1025	1128	1129
2/3/2017 1:00	1025	1025	1128	1129
2/3/2017 2:00	1025	1025	1129	1131
2/3/2017 3:00	1025	1025	1131	1132
2/3/2017 4:00	1025	1025	1131	1132
2/3/2017 5:00	1025	1025	1132	1133
2/3/2017 6:00	1025	1025	1131	1133
2/3/2017 7:00	1024	1025	1130	1132
2/3/2017 8:00	1024	1024	1131	1133
2/3/2017 9:00	1024	1024	1125	1131
2/3/2017 10:00	1024	1024	1110	1125
2/3/2017 11:00	1024	1024	1110	1121
2/3/2017 12:00	1024	1025	1121	1126
2/3/2017 13:00	1025	1025	1126	1128
2/3/2017 14:00	1025	1025	1128	1129
2/3/2017 15:00	1025	1025	1129	1132
2/3/2017 16:00	1025	1025	1131	1132
2/3/2017 17:00	1025	1025	1131	1133
2/3/2017 18:00	1025	1025	1132	1132
2/3/2017 19:00	1025	1025	1130	1132
2/3/2017 20:00	1024	1025	1128	1130
2/3/2017 21:00	1024	1024	1127	1128
2/3/2017 22:00	1024	1024	1127	1128
2/3/2017 23:00	1024	1024	1128	1129

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
2/4/2017 0:00	1024	1024	1129	1130
2/4/2017 1:00	1024	1024	1130	1130
2/4/2017 2:00	1024	1024	1129	1130
2/4/2017 3:00	1024	1024	1129	1130
2/4/2017 4:00	1024	1024	1130	1132
2/4/2017 5:00	1024	1024	1128	1132
2/4/2017 6:00	1024	1024	1126	1129
2/4/2017 7:00	1024	1024	1129	1130
2/4/2017 8:00	1023	1024	1129	1130
2/4/2017 9:00	1023	1023	1129	1129
2/4/2017 10:00	1023	1024	1128	1129
2/4/2017 11:00	1024	1024	1125	1128
2/4/2017 12:00	1024	1024	1125	1126
2/4/2017 13:00	1024	1024	1125	1126
2/4/2017 14:00	1024	1024	1125	1125
2/4/2017 15:00	1024	1024	1124	1125
2/4/2017 16:00	1024	1024	1124	1125
2/4/2017 17:00	1024	1024	1124	1126
2/4/2017 18:00	1024	1024	1126	1126
2/4/2017 19:00	1024	1024	1126	1128
2/4/2017 20:00	1024	1024	1127	1129
2/4/2017 21:00	1024	1024	1127	1128
2/4/2017 22:00	1024	1024	1127	1128
2/4/2017 23:00	1024	1024	1127	1128
2/5/2017 0:00	1024	1024	1127	1128
2/5/2017 1:00	1024	1024	1127	1129
2/5/2017 2:00	1024	1024	1127	1129
2/5/2017 3:00	1024	1024	1125	1128
2/5/2017 4:00	1024	1024	1125	1131
2/5/2017 5:00	1024	1024	1130	1131
2/5/2017 6:00	1024	1024	1130	1131
2/5/2017 7:00	1023	1024	1130	1134
2/5/2017 8:00	1023	1023	1123	1134
2/5/2017 9:00	1023	1023	1123	1124
2/5/2017 10:00	1023	1023	1124	1128
2/5/2017 11:00	1023	1023	1128	1133
2/5/2017 12:00	1023	1023	1131	1141
2/5/2017 13:00	1023	1023	1141	1146
2/5/2017 14:00	1023	1023	1140	1144
2/5/2017 15:00	1023	1023	1139	1140
2/5/2017 16:00	1023	1023	1136	1139
2/5/2017 17:00	1023	1023	1136	1138
2/5/2017 18:00	1023	1023	1137	1138
2/5/2017 19:00	1023	1023	1133	1137
2/5/2017 20:00	1022	1023	1133	1134
2/5/2017 21:00	1022	1023	1132	1134
2/5/2017 22:00	1022	1023	1130	1132
2/5/2017 23:00	1022	1022	1130	1131
2/6/2017 0:00	1022	1022	1129	1133
2/6/2017 1:00	1022	1022	1130	1133
2/6/2017 2:00	1022	1022	1130	1130
2/6/2017 3:00	1022	1022	1129	1130
2/6/2017 4:00	1022	1022	1129	1134
2/6/2017 5:00	1022	1022	1130	1134
2/6/2017 6:00	1022	1023	1130	1132
2/6/2017 7:00	1023	1023	1132	1132
2/6/2017 8:00	1023	1023	1132	1135
2/6/2017 9:00	1023	1023	1135	1139
2/6/2017 10:00	1022	1023	1138	1139
2/6/2017 11:00	1022	1022	1139	1143
2/6/2017 12:00	1021	1022	1139	1143
2/6/2017 13:00	1021	1021	1139	1142
2/6/2017 14:00	1021	1021	1142	1143
2/6/2017 15:00	1021	1021	1143	1148
2/6/2017 16:00	1021	1021	1144	1148
2/6/2017 17:00	1021	1021	1143	1144
2/6/2017 18:00	1020	1021	1144	1145
2/6/2017 19:00	1020	1020	1144	1145
2/6/2017 20:00	1020	1020	1142	1144
2/6/2017 21:00	1019	1020	1142	1143
2/6/2017 22:00	1019	1019	1143	1144
2/6/2017 23:00	1019	1019	1142	1143
2/7/2017 0:00	1019	1019	1140	1142
2/7/2017 1:00	1019	1019	1141	1142
2/7/2017 2:00	1019	1020	1140	1142
2/7/2017 3:00	1020	1020	1139	1143
2/7/2017 4:00	1020	1020	1141	1143
2/7/2017 5:00	1020	1020	1138	1141
2/7/2017 6:00	1020	1020	1137	1139
2/7/2017 7:00	1020	1020	1137	1139

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
2/7/2017 8:00	1020	1020	1138	1138
2/7/2017 9:00	1020	1020	1138	1138
2/7/2017 10:00	1020	1020	1138	1139
2/7/2017 11:00	1020	1020	1138	1139
2/7/2017 12:00	1020	1020	1135	1138
2/7/2017 13:00	1020	1020	1133	1135
2/7/2017 14:00	1020	1020	1133	1134
2/7/2017 15:00	1020	1020	1134	1136
2/7/2017 16:00	1020	1020	1135	1136
2/7/2017 17:00	1020	1020	1135	1137
2/7/2017 18:00	1020	1020	1135	1137
2/7/2017 19:00	1020	1020	1132	1135
2/7/2017 20:00	1020	1020	1132	1133
2/7/2017 21:00	1020	1020	1132	1133
2/7/2017 22:00	1020	1020	1131	1132
2/7/2017 23:00	1020	1021	1130	1131
2/8/2017 0:00	1021	1021	1130	1133
2/8/2017 1:00	1021	1021	1132	1134
2/8/2017 2:00	1021	1021	1130	1132
2/8/2017 3:00	1021	1021	1131	1134
2/8/2017 4:00	1021	1021	1134	1134
2/8/2017 5:00	1021	1021	1134	1135
2/8/2017 6:00	1021	1021	1135	1136
2/8/2017 7:00	1021	1021	1135	1146
2/8/2017 8:00	1021	1021	1135	1146
2/8/2017 9:00	1021	1021	1133	1135
2/8/2017 10:00	1021	1021	1131	1133
2/8/2017 11:00	1021	1021	1131	1132
2/8/2017 12:00	1021	1021	1132	1132
2/8/2017 13:00	1021	1021	1131	1132
2/8/2017 14:00	1021	1021	1129	1131
2/8/2017 15:00	1021	1021	1129	1130
2/8/2017 16:00	1021	1021	1130	1130
2/8/2017 17:00	1021	1021	1130	1132
2/8/2017 18:00	1021	1021	1132	1134
2/8/2017 19:00	1021	1021	1129	1133
2/8/2017 20:00	1021	1021	1128	1129
2/8/2017 21:00	1021	1021	1128	1129
2/8/2017 22:00	1021	1021	1128	1129
2/8/2017 23:00	1021	1021	1127	1128
2/9/2017 0:00	1021	1021	1127	1128
2/9/2017 1:00	1021	1021	1128	1130
2/9/2017 2:00	1021	1021	1130	1131
2/9/2017 3:00	1021	1021	1130	1131
2/9/2017 4:00	1021	1021	1130	1132
2/9/2017 5:00	1021	1021	1130	1131
2/9/2017 6:00	1021	1021	1129	1131
2/9/2017 7:00	1021	1021	1130	1131
2/9/2017 8:00	1021	1021	1128	1130
2/9/2017 9:00	1021	1021	1127	1128
2/9/2017 10:00	1021	1021	1126	1127
2/9/2017 11:00	1021	1021	1126	1129
2/9/2017 12:00	1021	1021	1121	1129
2/9/2017 13:00	1021	1021	1124	1129
2/9/2017 14:00	1021	1021	1124	1129
2/9/2017 15:00	1021	1021	1129	1132
2/9/2017 16:00	1021	1021	1132	1132
2/9/2017 17:00	1021	1021	1132	1135
2/9/2017 18:00	1021	1021	1135	1137
2/9/2017 19:00	1021	1021	1135	1136
2/9/2017 20:00	1021	1021	1132	1135
2/9/2017 21:00	1021	1021	1130	1132
2/9/2017 22:00	1021	1021	1129	1130
2/9/2017 23:00	1021	1021	1129	1130
2/10/2017 0:00	1021	1021	1128	1129
2/10/2017 1:00	1021	1022	1128	1129
2/10/2017 2:00	1022	1023	1129	1130
2/10/2017 3:00	1023	1023	1130	1131
2/10/2017 4:00	1023	1023	1130	1132
2/10/2017 5:00	1021	1023	1128	1132
2/10/2017 6:00	1021	1021	1128	1128
2/10/2017 7:00	1021	1021	1125	1128
2/10/2017 8:00	1021	1021	1124	1125
2/10/2017 9:00	1021	1021	1123	1125
2/10/2017 10:00	1020	1021	1122	1124
2/10/2017 11:00	1020	1020	1124	1125
2/10/2017 12:00	1020	1020	1124	1126
2/10/2017 13:00	1020	1020	1125	1126
2/10/2017 14:00	1020	1021	1125	1129
2/10/2017 15:00	1021	1021	1127	1129

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
2/10/2017 16:00	1021	1022	1127	1130
2/10/2017 17:00	1021	1022	1127	1130
2/10/2017 18:00	1021	1021	1130	1133
2/10/2017 19:00	1021	1021	1132	1133
2/10/2017 20:00	1021	1021	1132	1134
2/10/2017 21:00	1021	1021	1134	1137
2/10/2017 22:00	1021	1021	1137	1142
2/10/2017 23:00	1021	1022	1142	1144
2/11/2017 0:00	1022	1022	1143	1144
2/11/2017 1:00	1021	1022	1143	1147
2/11/2017 2:00	1021	1021	1139	1147
2/11/2017 3:00	1021	1021	1139	1143
2/11/2017 4:00	1021	1021	1143	1146
2/11/2017 5:00	1021	1021	1146	1149
2/11/2017 6:00	1021	1021	1137	1149
2/11/2017 7:00	1021	1021	1137	1147
2/11/2017 8:00	1021	1021	1139	1147
2/11/2017 9:00	1021	1021	1140	1143
2/11/2017 10:00	1021	1021	1130	1140
2/11/2017 11:00	1021	1021	1130	1140
2/11/2017 12:00	1021	1021	1139	1140
2/11/2017 13:00	1021	1021	1139	1142
2/11/2017 14:00	1021	1021	1142	1156
2/11/2017 15:00	1021	1021	1156	1162
2/11/2017 16:00	1021	1021	1158	1163
2/11/2017 17:00	1021	1021	1158	1158
2/11/2017 18:00	1021	1021	1158	1158
2/11/2017 19:00	1021	1021	1156	1158
2/11/2017 20:00	1020	1021	1154	1157
2/11/2017 21:00	1020	1020	1154	1154
2/11/2017 22:00	1020	1020	1154	1155
2/11/2017 23:00	1020	1020	1151	1155
2/12/2017 0:00	1020	1022	1151	1157
2/12/2017 1:00	1022	1022	1154	1157
2/12/2017 2:00	1022	1022	1154	1156
2/12/2017 3:00	1021	1022	1155	1157
2/12/2017 4:00	1020	1021	1157	1161
2/12/2017 5:00	1020	1020	1161	1161
2/12/2017 6:00	1020	1020	1161	1161
2/12/2017 7:00	1020	1020	1158	1161
2/12/2017 8:00	1020	1020	1158	1161
2/12/2017 9:00	1020	1020	1161	1162
2/12/2017 10:00	1020	1020	1160	1162
2/12/2017 11:00	1020	1020	1157	1160
2/12/2017 12:00	1020	1020	1158	1163
2/12/2017 13:00	1020	1020	1163	1164
2/12/2017 14:00	1020	1020	1148	1164
2/12/2017 15:00	1020	1020	1148	1150
2/12/2017 16:00	1020	1021	1147	1150
2/12/2017 17:00	1021	1021	1150	1152
2/12/2017 18:00	1021	1021	1151	1153
2/12/2017 19:00	1021	1022	1150	1153
2/12/2017 20:00	1022	1022	1147	1151
2/12/2017 21:00	1022	1023	1143	1147
2/12/2017 22:00	1023	1023	1143	1146
2/12/2017 23:00	1023	1023	1145	1146
2/13/2017 0:00	1023	1023	1145	1155
2/13/2017 1:00	1023	1023	1155	1158
2/13/2017 2:00	1023	1023	1154	1158
2/13/2017 3:00	1023	1023	1155	1157
2/13/2017 4:00	1023	1023	1157	1161
2/13/2017 5:00	1022	1023	1160	1162
2/13/2017 6:00	1022	1022	1162	1162
2/13/2017 7:00	1022	1022	1162	1163
2/13/2017 8:00	1022	1022	1157	1162
2/13/2017 9:00	1022	1022	1155	1159
2/13/2017 10:00	1022	1022	1159	1161
2/13/2017 11:00	1022	1022	1156	1160
2/13/2017 12:00	1022	1022	1156	1161
2/13/2017 13:00	1022	1022	1161	1162
2/13/2017 14:00	1022	1022	1157	1161
2/13/2017 15:00	1022	1022	1157	1161
2/13/2017 16:00	1022	1022	1161	1163
2/13/2017 17:00	1022	1022	1162	1163
2/13/2017 18:00	1022	1022	1163	1164
2/13/2017 19:00	1022	1022	1159	1163
2/13/2017 20:00	1022	1023	1159	1161
2/13/2017 21:00	1023	1023	1157	1161
2/13/2017 22:00	1023	1024	1155	1157
2/13/2017 23:00	1024	1024	1154	1155

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
2/14/2017 0:00	1024	1025	1153	1154
2/14/2017 1:00	1025	1025	1154	1157
2/14/2017 2:00	1025	1025	1157	1161
2/14/2017 3:00	1025	1025	1160	1163
2/14/2017 4:00	1025	1025	1161	1164
2/14/2017 5:00	1025	1025	1160	1162
2/14/2017 6:00	1025	1025	1162	1163
2/14/2017 7:00	1025	1025	1162	1170
2/14/2017 8:00	1025	1025	1161	1170
2/14/2017 9:00	1024	1025	1158	1162
2/14/2017 10:00	1024	1024	1158	1163
2/14/2017 11:00	1024	1024	1163	1165
2/14/2017 12:00	1024	1024	1164	1165
2/14/2017 13:00	1024	1024	1164	1164
2/14/2017 14:00	1024	1024	1164	1164
2/14/2017 15:00	1024	1024	1164	1167
2/14/2017 16:00	1024	1024	1167	1169
2/14/2017 17:00	1024	1024	1168	1169
2/14/2017 18:00	1024	1024	1166	1168
2/14/2017 19:00	1024	1024	1167	1168
2/14/2017 20:00	1024	1024	1167	1168
2/14/2017 21:00	1024	1024	1164	1167
2/14/2017 22:00	1023	1024	1163	1164
2/14/2017 23:00	1023	1023	1162	1163
2/15/2017 0:00	1023	1023	1162	1165
2/15/2017 1:00	1022	1023	1165	1166
2/15/2017 2:00	1022	1022	1164	1166
2/15/2017 3:00	1022	1022	1164	1165
2/15/2017 4:00	1022	1022	1165	1167
2/15/2017 5:00	1022	1023	1167	1169
2/15/2017 6:00	1023	1023	1165	1169
2/15/2017 7:00	1023	1023	1164	1166
2/15/2017 8:00	1023	1023	1164	1166
2/15/2017 9:00	1023	1023	1165	1168
2/15/2017 10:00	1023	1023	1166	1168
2/15/2017 11:00	1023	1023	1165	1168
2/15/2017 12:00	1023	1023	1165	1165
2/15/2017 13:00	1023	1023	1165	1166
2/15/2017 14:00	1023	1023	1166	1166
2/15/2017 15:00	1023	1023	1166	1167
2/15/2017 16:00	1023	1023	1167	1169
2/15/2017 17:00	1023	1023	1164	1169
2/15/2017 18:00	1023	1023	1168	1171
2/15/2017 19:00	1023	1023	1168	1171
2/15/2017 20:00	1023	1023	1164	1168
2/15/2017 21:00	1022	1023	1163	1166
2/15/2017 22:00	1022	1022	1160	1163
2/15/2017 23:00	1022	1022	1159	1161
2/16/2017 0:00	1022	1022	1161	1165
2/16/2017 1:00	1022	1022	1161	1164
2/16/2017 2:00	1022	1022	1161	1164
2/16/2017 3:00	1022	1022	1164	1165
2/16/2017 4:00	1022	1022	1163	1164
2/16/2017 5:00	1022	1022	1164	1165
2/16/2017 6:00	1022	1022	1164	1167
2/16/2017 7:00	1022	1023	1163	1167
2/16/2017 8:00	1023	1023	1162	1163
2/16/2017 9:00	1023	1023	1163	1164
2/16/2017 10:00	1023	1023	1164	1168
2/16/2017 11:00	1023	1023	1165	1168
2/16/2017 12:00	1023	1023	1165	1174
2/16/2017 13:00	1022	1023	1173	1176
2/16/2017 14:00	1022	1022	1168	1173
2/16/2017 15:00	1010	1022	1169	1171
2/16/2017 16:00	1010	1022	1169	1169
2/16/2017 17:00	1022	1022	1165	1169
2/16/2017 18:00	1022	1022	1165	1169
2/16/2017 19:00	1022	1022	1165	1169
2/16/2017 20:00	1022	1022	1164	1165
2/16/2017 21:00	1022	1022	1164	1164
2/16/2017 22:00	1022	1023	1163	1164
2/16/2017 23:00	1023	1023	1164	1164
2/17/2017 0:00	1023	1023	1164	1165
2/17/2017 1:00	1023	1023	1164	1177
2/17/2017 2:00	1023	1024	1172	1177
2/17/2017 3:00	1023	1024	1169	1172
2/17/2017 4:00	1023	1023	1169	1169
2/17/2017 5:00	1023	1023	1168	1170
2/17/2017 6:00	1023	1023	1168	1169
2/17/2017 7:00	1023	1023	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
2/17/2017 8:00	1023	1023	1165	1170
2/17/2017 9:00	1023	1024	1168	1169
2/17/2017 10:00	1024	1024	1167	1168
2/17/2017 11:00	1024	1024	1167	1168
2/17/2017 12:00	1024	1025	1168	1169
2/17/2017 13:00	1025	1025	1169	1170
2/17/2017 14:00	1025	1025	1170	1171
2/17/2017 15:00	1025	1025	1170	1171
2/17/2017 16:00	1025	1025	1169	1171
2/17/2017 17:00	1025	1025	1170	1170
2/17/2017 18:00	1024	1025	1170	1171
2/17/2017 19:00	1024	1024	1170	1171
2/17/2017 20:00	1024	1024	1170	1172
2/17/2017 21:00	1023	1024	1167	1172
2/17/2017 22:00	1023	1023	1167	1168
2/17/2017 23:00	1023	1023	1167	1168
2/18/2017 0:00	1023	1023	1167	1170
2/18/2017 1:00	1023	1023	1168	1169
2/18/2017 2:00	1023	1023	1168	1169
2/18/2017 3:00	1023	1023	1168	1169
2/18/2017 4:00	1023	1023	1167	1169
2/18/2017 5:00	1023	1023	1168	1169
2/18/2017 6:00	1023	1023	1169	1170
2/18/2017 7:00	1023	1023	1170	1170
2/18/2017 8:00	1023	1023	1170	1171
2/18/2017 9:00	1023	1023	1170	1172
2/18/2017 10:00	1023	1023	1171	1172
2/18/2017 11:00	1023	1023	1170	1171
2/18/2017 12:00	1023	1023	1169	1171
2/18/2017 13:00	1023	1023	1168	1169
2/18/2017 14:00	1021	1023	1168	1170
2/18/2017 15:00	1021	1021	1169	1170
2/18/2017 16:00	1021	1021	1170	1170
2/18/2017 17:00	1021	1021	1170	1171
2/18/2017 18:00	1021	1022	1170	1170
2/18/2017 19:00	1021	1022	1170	1171
2/18/2017 20:00	1021	1021	1166	1171
2/18/2017 21:00	1021	1021	1166	1168
2/18/2017 22:00	1021	1021	1166	1168
2/18/2017 23:00	1021	1021	1166	1166
2/19/2017 0:00	1021	1021	1166	1167
2/19/2017 1:00	1021	1021	1167	1169
2/19/2017 2:00	1021	1021	1169	1171
2/19/2017 3:00	1021	1021	1170	1172
2/19/2017 4:00	1021	1021	1169	1171
2/19/2017 5:00	1021	1021	1169	1170
2/19/2017 6:00	1021	1021	1170	1171
2/19/2017 7:00	1021	1021	1169	1171
2/19/2017 8:00	1021	1021	1169	1170
2/19/2017 9:00	1021	1021	1169	1170
2/19/2017 10:00	1021	1021	1169	1170
2/19/2017 11:00	1021	1021	1170	1172
2/19/2017 12:00	1021	1021	1170	1171
2/19/2017 13:00	1021	1021	1170	1173
2/19/2017 14:00	1021	1021	1171	1173
2/19/2017 15:00	1021	1021	1170	1171
2/19/2017 16:00	1021	1021	1170	1170
2/19/2017 17:00	1021	1021	1170	1171
2/19/2017 18:00	1021	1021	1170	1171
2/19/2017 19:00	1021	1021	1170	1171
2/19/2017 20:00	1021	1021	1168	1171
2/19/2017 21:00	1021	1021	1167	1168
2/19/2017 22:00	1021	1021	1164	1167
2/19/2017 23:00	1021	1021	1164	1165
2/20/2017 0:00	1021	1021	1165	1166
2/20/2017 1:00	1021	1021	1165	1166
2/20/2017 2:00	1021	1021	1165	1166
2/20/2017 3:00	1021	1021	1166	1167
2/20/2017 4:00	1021	1022	1167	1168
2/20/2017 5:00	1021	1022	1168	1168
2/20/2017 6:00	1021	1021	1168	1169
2/20/2017 7:00	1021	1021	1169	1174
2/20/2017 8:00	1021	1021	1167	1174
2/20/2017 9:00	1021	1022	1166	1169
2/20/2017 10:00	1022	1022	1169	1170
2/20/2017 11:00	1022	1022	1169	1171
2/20/2017 12:00	1021	1022	1170	1177
2/20/2017 13:00	1021	1022	1176	1177
2/20/2017 14:00	1022	1022	1174	1177
2/20/2017 15:00	1022	1022	1173	1174

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
2/20/2017 16:00	1022	1022	1171	1173
2/20/2017 17:00	1022	1022	1171	1173
2/20/2017 18:00	1022	1022	1172	1173
2/20/2017 19:00	1022	1022	1173	1174
2/20/2017 20:00	1022	1022	1173	1175
2/20/2017 21:00	1022	1022	1175	1180
2/20/2017 22:00	1022	1023	1180	1182
2/20/2017 23:00	1023	1023	1178	1180
2/21/2017 0:00	1023	1023	1178	1179
2/21/2017 1:00	1023	1023	1179	1181
2/21/2017 2:00	1022	1023	1179	1181
2/21/2017 3:00	1022	1022	1179	1181
2/21/2017 4:00	1022	1022	1180	1180
2/21/2017 5:00	1022	1022	1180	1182
2/21/2017 6:00	1022	1022	1181	1182
2/21/2017 7:00	1022	1022	1182	1182
2/21/2017 8:00	1022	1022	1181	1182
2/21/2017 9:00	1022	1022	1181	1182
2/21/2017 10:00	1022	1022	1182	1182
2/21/2017 11:00	1022	1022	1182	1183
2/21/2017 12:00	1022	1022	1182	1182
2/21/2017 13:00	1022	1022	1182	1184
2/21/2017 14:00	1022	1022	1183	1184
2/21/2017 15:00	1022	1022	1179	1184
2/21/2017 16:00	1022	1022	1178	1179
2/21/2017 17:00	1022	1022	1178	1181
2/21/2017 18:00	1022	1022	1180	1181
2/21/2017 19:00	1022	1022	1178	1180
2/21/2017 20:00	1022	1022	1176	1178
2/21/2017 21:00	1022	1022	1175	1177
2/21/2017 22:00	1022	1022	1175	1175
2/21/2017 23:00	1022	1022	1174	1175
2/22/2017 0:00	1021	1022	1175	1176
2/22/2017 1:00	1021	1021	1176	1177
2/22/2017 2:00	1021	1021	1176	1177
2/22/2017 3:00	1021	1021	1176	1177
2/22/2017 4:00	1021	1021	1177	1178
2/22/2017 5:00	1021	1021	1177	1177
2/22/2017 6:00	1021	1021	1176	1177
2/22/2017 7:00	1021	1021	1176	1178
2/22/2017 8:00	1021	1022	1178	1179
2/22/2017 9:00	1022	1022	1177	1179
2/22/2017 10:00	1022	1022	1173	1177
2/22/2017 11:00	1022	1022	1173	1176
2/22/2017 12:00	1022	1022	1175	1176
2/22/2017 13:00	1022	1022	1175	1176
2/22/2017 14:00	1022	1022	1175	1177
2/22/2017 15:00	1022	1022	1176	1177
2/22/2017 16:00	1022	1022	1177	1179
2/22/2017 17:00	1022	1022	1179	1180
2/22/2017 18:00	1022	1022	1178	1180
2/22/2017 19:00	1022	1022	1177	1178
2/22/2017 20:00	1022	1022	1175	1177
2/22/2017 21:00	1022	1022	1174	1175
2/22/2017 22:00	1021	1022	1173	1174
2/22/2017 23:00	1021	1021	1170	1173
2/23/2017 0:00	1021	1021	1170	1171
2/23/2017 1:00	1021	1021	1170	1171
2/23/2017 2:00	1021	1021	1170	1170
2/23/2017 3:00	1021	1021	1170	1171
2/23/2017 4:00	1021	1021	1169	1171
2/23/2017 5:00	1021	1021	1168	1169
2/23/2017 6:00	1021	1021	1167	1171
2/23/2017 7:00	1021	1021	1171	1175
2/23/2017 8:00	1021	1021	1170	1175
2/23/2017 9:00	1021	1021	1170	1170
2/23/2017 10:00	1021	1021	1169	1170
2/23/2017 11:00	1021	1021	1168	1169
2/23/2017 12:00	1021	1021	1168	1169
2/23/2017 13:00	1021	1021	1168	1169
2/23/2017 14:00	1021	1021	1168	1168
2/23/2017 15:00	1021	1021	1168	1168
2/23/2017 16:00	1021	1021	1168	1168
2/23/2017 17:00	1021	1021	1167	1168
2/23/2017 18:00	1021	1021	1166	1167
2/23/2017 19:00	1021	1021	1164	1166
2/23/2017 20:00	1021	1021	1161	1164
2/23/2017 21:00	1021	1021	1160	1161
2/23/2017 22:00	1021	1021	1159	1161
2/23/2017 23:00	1021	1021	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
2/24/2017 0:00	1021	1021	1159	1160
2/24/2017 1:00	1021	1021	1159	1160
2/24/2017 2:00	1021	1021	1160	1161
2/24/2017 3:00	1021	1021	1160	1161
2/24/2017 4:00	1021	1021	1159	1160
2/24/2017 5:00	1021	1021	1160	1162
2/24/2017 6:00	1021	1022	1162	1162
2/24/2017 7:00	1022	1022	1161	1162
2/24/2017 8:00	1022	1022	1161	1161
2/24/2017 9:00	1022	1022	1160	1161
2/24/2017 10:00	1022	1022	1159	1160
2/24/2017 11:00	1022	1022	1158	1159
2/24/2017 12:00	1022	1022	1158	1160
2/24/2017 13:00	1021	1022	1159	1160
2/24/2017 14:00	1021	1021	1159	1160
2/24/2017 15:00	1021	1021	1158	1160
2/24/2017 16:00	1021	1021	1160	1160
2/24/2017 17:00	1021	1021	1160	1162
2/24/2017 18:00	1021	1021	1162	1164
2/24/2017 19:00	1021	1021	1163	1164
2/24/2017 20:00	1021	1022	1162	1163
2/24/2017 21:00	1022	1022	1161	1162
2/24/2017 22:00	1022	1022	1159	1161
2/24/2017 23:00	1022	1022	1154	1159
2/25/2017 0:00	1022	1022	1152	1154
2/25/2017 1:00	1022	1022	1151	1152
2/25/2017 2:00	1022	1022	1148	1151
2/25/2017 3:00	1022	1022	1148	1149
2/25/2017 4:00	1022	1022	1148	1151
2/25/2017 5:00	1022	1022	1151	1153
2/25/2017 6:00	1022	1022	1153	1154
2/25/2017 7:00	1022	1022	1154	1155
2/25/2017 8:00	1022	1022	1154	1155
2/25/2017 9:00	1021	1022	1154	1155
2/25/2017 10:00	1021	1021	1154	1154
2/25/2017 11:00	1021	1021	1154	1154
2/25/2017 12:00	1020	1021	1153	1154
2/25/2017 13:00	1020	1020	1153	1154
2/25/2017 14:00	1020	1020	1154	1155
2/25/2017 15:00	1020	1020	1154	1155
2/25/2017 16:00	1020	1021	1154	1154
2/25/2017 17:00	1021	1021	1154	1154
2/25/2017 18:00	1021	1021	1154	1156
2/25/2017 19:00	1021	1022	1155	1156
2/25/2017 20:00	1022	1022	1155	1155
2/25/2017 21:00	1022	1022	1154	1155
2/25/2017 22:00	1022	1022	1153	1155
2/25/2017 23:00	1022	1022	1153	1153
2/26/2017 0:00	1022	1023	1153	1153
2/26/2017 1:00	1023	1023	1152	1153
2/26/2017 2:00	1023	1023	1152	1153
2/26/2017 3:00	1023	1023	1153	1154
2/26/2017 4:00	1023	1023	1153	1153
2/26/2017 5:00	1023	1023	1153	1156
2/26/2017 6:00	1023	1023	1156	1159
2/26/2017 7:00	1023	1023	1159	1166
2/26/2017 8:00	1023	1023	1159	1166
2/26/2017 9:00	1023	1023	1160	1173
2/26/2017 10:00	1023	1023	1173	1178
2/26/2017 11:00	1023	1023	1174	1178
2/26/2017 12:00	1023	1023	1167	1174
2/26/2017 13:00	1023	1023	1167	1168
2/26/2017 14:00	1023	1023	1166	1167
2/26/2017 15:00	1023	1023	1165	1166
2/26/2017 16:00	1023	1023	1163	1165
2/26/2017 17:00	1023	1023	1162	1163
2/26/2017 18:00	1023	1023	1161	1162
2/26/2017 19:00	1023	1023	1160	1161
2/26/2017 20:00	1023	1023	1159	1160
2/26/2017 21:00	1022	1023	1157	1159
2/26/2017 22:00	1022	1022	1155	1157
2/26/2017 23:00	1022	1022	1155	1155
2/27/2017 0:00	1022	1022	1154	1155
2/27/2017 1:00	1022	1022	1154	1154
2/27/2017 2:00	1021	1022	1154	1155
2/27/2017 3:00	1021	1022	1154	1159
2/27/2017 4:00	1021	1022	1159	1162
2/27/2017 5:00	1021	1021	1162	1163
2/27/2017 6:00	1021	1021	1163	1165
2/27/2017 7:00	1021	1021	1165	1166

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
2/27/2017 8:00	1021	1021	1166	1167
2/27/2017 9:00	1021	1021	1167	1168
2/27/2017 10:00	1021	1021	1167	1168
2/27/2017 11:00	1021	1021	1167	1168
2/27/2017 12:00	1021	1021	1167	1168
2/27/2017 13:00	1021	1022	1166	1167
2/27/2017 14:00	1022	1022	1167	1168
2/27/2017 15:00	1022	1022	1167	1168
2/27/2017 16:00	1022	1022	1167	1167
2/27/2017 17:00	1022	1022	1167	1167
2/27/2017 18:00	1022	1022	1167	1170
2/27/2017 19:00	1022	1022	1170	1171
2/27/2017 20:00	1022	1022	1167	1170
2/27/2017 21:00	1021	1022	1161	1167
2/27/2017 22:00	1021	1021	1153	1161
2/27/2017 23:00	1021	1021	1160	1162
2/28/2017 0:00	1021	1022	1158	1160
2/28/2017 1:00	1022	1022	1157	1159
2/28/2017 2:00	1022	1022	1158	1160
2/28/2017 3:00	1022	1022	1160	1160
2/28/2017 4:00	1022	1022	1160	1161
2/28/2017 5:00	1022	1022	1161	1162
2/28/2017 6:00	1022	1022	1162	1163
2/28/2017 7:00	1022	1022	1160	1162
2/28/2017 8:00	1022	1022	1160	1162
2/28/2017 9:00	1022	1022	1162	1163
2/28/2017 10:00	1022	1022	1161	1162
2/28/2017 11:00	1022	1023	1161	1162
2/28/2017 12:00	1023	1023	1161	1162
2/28/2017 13:00	1023	1023	1162	1163
2/28/2017 14:00	1023	1024	1163	1163
2/28/2017 15:00	1024	1024	1163	1163
2/28/2017 16:00	1024	1024	1163	1164
2/28/2017 17:00	1024	1024	1163	1165
2/28/2017 18:00	1024	1024	1165	1168
2/28/2017 19:00	1024	1024	1167	1168
2/28/2017 20:00	1024	1024	1166	1167
2/28/2017 21:00	1024	1024	1165	1166
2/28/2017 22:00	1024	1024	1163	1165
2/28/2017 23:00	1024	1024	1160	1163
	Min (Btu/cf)	Max (Btu/cf)	Min (Btu/cf)	Max (Btu/cf)
	1010	1025	1110	1184