



825 Rice Street
Saint Paul, MN 55117

December 5, 2019

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 November 2019 as required by N.D. PU-19-92.

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 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
11/1/2019 0:00	1029	1029	1029	1029
11/1/2019 1:00	1029	1031	1029	1031
11/1/2019 2:00	1031	1032	1031	1032
11/1/2019 3:00	1032	1034	1032	1034
11/1/2019 4:00	1034	1034	1034	1034
11/1/2019 5:00	1034	1034	1034	1034
11/1/2019 6:00	1034	1034	1034	1034
11/1/2019 7:00	1034	1034	1034	1034
11/1/2019 8:00	1034	1034	1034	1034
11/1/2019 9:00	1034	1034	1034	1034
11/1/2019 9:00	1013	1013	1172	1173
11/1/2019 10:00	1013	1013	1173	1174
11/1/2019 11:00	1013	1013	1174	1175
11/1/2019 12:00	1013	1013	1174	1175
11/1/2019 13:00	1013	1013	1175	1176
11/1/2019 14:00	1013	1013	1176	1177
11/1/2019 15:00	1013	1013	1176	1177
11/1/2019 16:00	1013	1013	1176	1179
11/1/2019 17:00	1013	1013	1178	1179
11/1/2019 18:00	1013	1013	1177	1178
11/1/2019 19:00	1013	1013	1177	1178
11/1/2019 20:00	1013	1013	1178	1178
11/1/2019 21:00	1013	1013	1178	1178
11/1/2019 22:00	1013	1013	1178	1180
11/1/2019 23:00	1013	1013	1180	1181
11/2/2019 0:00	1013	1013	1181	1182
11/2/2019 1:00	1013	1013	1182	1182
11/2/2019 2:00	1013	1013	1181	1182
11/2/2019 3:00	1013	1013	1181	1181
11/2/2019 4:00	1013	1013	1181	1182
11/2/2019 5:00	1013	1013	1182	1183
11/2/2019 6:00	1013	1013	1183	1184
11/2/2019 7:00	1013	1013	1184	1185
11/2/2019 8:00	1013	1013	1185	1185
11/2/2019 9:00	1013	1013	1177	1185
11/2/2019 10:00	1013	1013	1174	1177
11/2/2019 11:00	1013	1013	1174	1175
11/2/2019 12:00	1013	1013	1173	1174
11/2/2019 13:00	1013	1013	1173	1174
11/2/2019 14:00	1013	1013	1174	1174
11/2/2019 15:00	1013	1013	1171	1174
11/2/2019 16:00	1013	1013	1171	1172
11/2/2019 17:00	1013	1013	1172	1173
11/2/2019 18:00	1013	1013	1173	1173
11/2/2019 19:00	1013	1013	1171	1173
11/2/2019 20:00	1013	1013	1168	1171
11/2/2019 21:00	1013	1013	1168	1169
11/2/2019 22:00	1013	1013	1169	1170
11/2/2019 23:00	1013	1013	1170	1170
11/3/2019 0:00	1013	1013	1169	1171
11/3/2019 1:00	1013	1013	1169	1170
11/3/2019 1:00	1013	1013	1168	1169
11/3/2019 2:00	1013	1013	1168	1170
11/3/2019 3:00	1013	1013	1170	1170
11/3/2019 4:00	1013	1013	1170	1171
11/3/2019 5:00	1013	1013	1171	1172
11/3/2019 6:00	1013	1013	1171	1172
11/3/2019 7:00	1013	1013	1170	1171
11/3/2019 8:00	1013	1013	1170	1170
11/3/2019 9:00	1013	1013	1170	1170
11/3/2019 10:00	1013	1013	1169	1170
11/3/2019 11:00	1013	1013	1169	1169
11/3/2019 12:00	1013	1013	1169	1170
11/3/2019 13:00	1013	1013	1170	1170
11/3/2019 14:00	1013	1013	1169	1170
11/3/2019 15:00	1013	1013	1168	1169
11/3/2019 16:00	1013	1013	1168	1169
11/3/2019 17:00	1013	1013	1169	1169
11/3/2019 18:00	1013	1013	1169	1171
11/3/2019 19:00	1013	1013	1171	1172
11/3/2019 20:00	1013	1013	1172	1173
11/3/2019 21:00	1013	1013	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
11/3/2019 22:00	1013	1013	1174	1174
11/3/2019 23:00	1013	1013	1174	1174
11/4/2019 0:00	1013	1013	1174	1175
11/4/2019 1:00	1013	1013	1174	1176
11/4/2019 2:00	1013	1013	1176	1177
11/4/2019 3:00	1013	1013	1177	1179
11/4/2019 4:00	1013	1013	1179	1182
11/4/2019 5:00	1013	1013	1182	1182
11/4/2019 6:00	1013	1013	1177	1182
11/4/2019 7:00	1013	1013	1176	1177
11/4/2019 8:00	1013	1013	1176	1177
11/4/2019 9:00	1013	1013	1177	1177
11/4/2019 10:00	1013	1013	1177	1177
11/4/2019 11:00	1013	1013	1176	1177
11/4/2019 12:00	1013	1013	1177	1179
11/4/2019 13:00	1013	1013	1178	1179
11/4/2019 14:00	1013	1013	1176	1178
11/4/2019 15:00	1013	1013	1175	1176
11/4/2019 16:00	1013	1013	1174	1176
11/4/2019 17:00	1013	1013	1173	1174
11/4/2019 18:00	1013	1013	1174	1174
11/4/2019 19:00	1013	1013	1171	1174
11/4/2019 20:00	1013	1013	1171	1173
11/4/2019 21:00	1013	1013	1171	1174
11/4/2019 22:00	1013	1013	1174	1178
11/4/2019 23:00	1013	1013	1178	1182
11/5/2019 0:00	1013	1013	1182	1185
11/5/2019 1:00	1013	1013	1183	1185
11/5/2019 2:00	1013	1013	1183	1185
11/5/2019 3:00	1013	1013	1185	1185
11/5/2019 4:00	1013	1013	1183	1185
11/5/2019 5:00	1013	1013	1183	1185
11/5/2019 6:00	1013	1013	1185	1187
11/5/2019 7:00	1013	1013	1187	1188
11/5/2019 8:00	1013	1013	1187	1188
11/5/2019 9:00	1013	1013	1185	1187
11/5/2019 10:00	1013	1013	1186	1186
11/5/2019 11:00	1013	1013	1184	1186
11/5/2019 12:00	1013	1013	1181	1184
11/5/2019 13:00	1013	1013	1180	1181
11/5/2019 14:00	1013	1013	1178	1180
11/5/2019 15:00	1013	1013	1177	1178
11/5/2019 16:00	1013	1013	1136	1177
11/5/2019 17:00	1013	1013	1136	1150
11/5/2019 18:00	1013	1013	1150	1155
11/5/2019 19:00	1013	1013	1153	1155
11/5/2019 20:00	1013	1013	1154	1159
11/5/2019 21:00	1013	1013	1159	1161
11/5/2019 22:00	1013	1013	1155	1160
11/5/2019 23:00	1013	1013	1155	1158
11/6/2019 0:00	1013	1013	1158	1159
11/6/2019 1:00	1013	1013	1159	1160
11/6/2019 2:00	1013	1013	1160	1161
11/6/2019 3:00	1013	1013	1161	1162
11/6/2019 4:00	1013	1013	1161	1162
11/6/2019 5:00	1013	1013	1161	1163
11/6/2019 6:00	1013	1013	1163	1163
11/6/2019 7:00	1013	1013	1159	1163
11/6/2019 8:00	1013	1013	1157	1159
11/6/2019 9:00	1013	1013	1157	1158
11/6/2019 10:00	1013	1013	1157	1157
11/6/2019 11:00	1013	1013	1157	1157
11/6/2019 12:00	1013	1013	1157	1157
11/6/2019 13:00	1013	1013	1157	1157
11/6/2019 14:00	1013	1013	1157	1160
11/6/2019 15:00	1013	1013	1160	1162
11/6/2019 16:00	1013	1013	1161	1162
11/6/2019 17:00	1013	1013	1160	1161
11/6/2019 18:00	1013	1013	1159	1161
11/6/2019 19:00	1013	1013	1159	1161
11/6/2019 20:00	1013	1013	1161	1161
11/6/2019 21:00	1013	1013	1161	1162
11/6/2019 22:00	1013	1013	1161	1162
11/6/2019 23:00	1013	1013	1162	1162
11/7/2019 0:00	1013	1013	1162	1164
11/7/2019 1:00	1013	1013	1164	1166
11/7/2019 2:00	1013	1013	1166	1167
11/7/2019 3:00	1013	1013	1167	1168
11/7/2019 4:00	1013	1013	1167	1167
11/7/2019 5:00	1013	1013	1167	1168
11/7/2019 6:00	1013	1013	1166	1168

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
11/7/2019 7:00	1013	1013	1165	1166
11/7/2019 8:00	1013	1013	1165	1166
11/7/2019 9:00	1013	1013	1163	1165
11/7/2019 10:00	1013	1013	1164	1167
11/7/2019 11:00	1013	1013	1165	1167
11/7/2019 12:00	1013	1013	1165	1165
11/7/2019 13:00	1013	1013	1165	1165
11/7/2019 14:00	1013	1013	1165	1166
11/7/2019 15:00	1013	1013	1166	1169
11/7/2019 16:00	1013	1013	1167	1169
11/7/2019 17:00	1013	1013	1167	1168
11/7/2019 18:00	1013	1013	1165	1168
11/7/2019 19:00	1013	1013	1161	1165
11/7/2019 20:00	1013	1013	1156	1161
11/7/2019 21:00	1013	1013	1156	1158
11/7/2019 22:00	1013	1013	1157	1159
11/7/2019 23:00	1013	1013	1159	1160
11/8/2019 0:00	1013	1013	1160	1161
11/8/2019 1:00	1013	1013	1161	1163
11/8/2019 2:00	1013	1013	1163	1163
11/8/2019 3:00	1013	1013	1163	1163
11/8/2019 4:00	1013	1013	1163	1166
11/8/2019 5:00	1013	1013	1166	1168
11/8/2019 6:00	1013	1013	1167	1168
11/8/2019 7:00	1013	1013	1166	1167
11/8/2019 8:00	1013	1013	1166	1167
11/8/2019 9:00	1013	1013	1160	1166
11/8/2019 10:00	1013	1013	1156	1160
11/8/2019 11:00	1013	1013	1156	1157
11/8/2019 12:00	1013	1013	1153	1156
11/8/2019 13:00	1013	1013	1152	1154
11/8/2019 14:00	1013	1013	1152	1154
11/8/2019 15:00	1013	1013	1153	1154
11/8/2019 16:00	1013	1013	1154	1156
11/8/2019 17:00	1013	1013	1155	1157
11/8/2019 18:00	1013	1013	1157	1158
11/8/2019 19:00	1013	1013	1157	1157
11/8/2019 20:00	1013	1013	1157	1159
11/8/2019 21:00	1013	1013	1159	1159
11/8/2019 22:00	1013	1013	1158	1159
11/8/2019 23:00	1013	1013	1155	1158
11/9/2019 0:00	1013	1013	1155	1156
11/9/2019 1:00	1013	1013	1156	1158
11/9/2019 2:00	1013	1013	1156	1158
11/9/2019 3:00	1013	1013	1156	1156
11/9/2019 4:00	1013	1013	1156	1156
11/9/2019 5:00	1013	1013	1156	1158
11/9/2019 6:00	1013	1013	1157	1159
11/9/2019 7:00	1013	1013	1157	1159
11/9/2019 8:00	1013	1013	1156	1158
11/9/2019 9:00	1013	1013	1156	1157
11/9/2019 10:00	1013	1013	1157	1161
11/9/2019 11:00	1013	1013	1161	1162
11/9/2019 12:00	1013	1013	1162	1166
11/9/2019 13:00	1013	1013	1166	1167
11/9/2019 14:00	1013	1013	1166	1167
11/9/2019 15:00	1013	1013	1166	1172
11/9/2019 16:00	1013	1013	1172	1174
11/9/2019 17:00	1013	1013	1170	1173
11/9/2019 18:00	1013	1013	1170	1170
11/9/2019 19:00	1013	1013	1170	1170
11/9/2019 20:00	1013	1013	1170	1171
11/9/2019 21:00	1013	1013	1169	1170
11/9/2019 22:00	1013	1013	1169	1170
11/9/2019 23:00	1013	1013	1169	1171
11/10/2019 0:00	1013	1013	1169	1171
11/10/2019 1:00	1013	1013	1169	1171
11/10/2019 2:00	1013	1013	1171	1174
11/10/2019 3:00	1013	1013	1173	1174
11/10/2019 4:00	1013	1013	1173	1174
11/10/2019 5:00	1013	1013	1172	1173
11/10/2019 6:00	1013	1013	1172	1173
11/10/2019 7:00	1013	1013	1172	1173
11/10/2019 8:00	1013	1013	1172	1172
11/10/2019 9:00	1013	1013	1172	1173
11/10/2019 10:00	1013	1013	1171	1173
11/10/2019 11:00	1013	1013	1170	1171
11/10/2019 12:00	1013	1013	1170	1170
11/10/2019 13:00	1013	1013	1170	1172
11/10/2019 14:00	1013	1013	1172	1172

Xcel Energy
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Monthly Heating Values Report

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
11/10/2019 15:00	1013	1013	1171	1172
11/10/2019 16:00	1013	1013	1171	1172
11/10/2019 17:00	1013	1013	1169	1171
11/10/2019 18:00	1013	1013	1167	1169
11/10/2019 19:00	1013	1013	1164	1167
11/10/2019 20:00	1013	1013	1164	1164
11/10/2019 21:00	1013	1013	1162	1164
11/10/2019 22:00	1013	1013	1162	1162
11/10/2019 23:00	1013	1013	1162	1163
11/11/2019 0:00	1013	1013	1161	1163
11/11/2019 1:00	1013	1013	1161	1163
11/11/2019 2:00	1013	1013	1162	1163
11/11/2019 3:00	1013	1013	1162	1163
11/11/2019 4:00	1013	1013	1157	1163
11/11/2019 5:00	1013	1013	1157	1158
11/11/2019 6:00	1013	1013	1155	1157
11/11/2019 7:00	1013	1013	1155	1157
11/11/2019 8:00	1013	1013	1157	1158
11/11/2019 9:00	1013	1013	1158	1159
11/11/2019 10:00	1013	1013	1156	1159
11/11/2019 11:00	1013	1013	1155	1156
11/11/2019 12:00	1013	1013	1154	1155
11/11/2019 13:00	1013	1013	1151	1154
11/11/2019 14:00	1013	1013	1150	1151
11/11/2019 15:00	1013	1013	1149	1150
11/11/2019 16:00	1013	1013	1148	1150
11/11/2019 17:00	1013	1013	1148	1150
11/11/2019 18:00	1013	1013	1150	1150
11/11/2019 19:00	1013	1013	1148	1150
11/11/2019 20:00	1013	1013	1147	1148
11/11/2019 21:00	1013	1013	1146	1147
11/11/2019 22:00	1013	1013	1146	1147
11/11/2019 23:00	1013	1013	1147	1148
11/12/2019 0:00	1013	1013	1146	1147
11/12/2019 1:00	1013	1013	1147	1149
11/12/2019 2:00	1013	1013	1146	1149
11/12/2019 3:00	1013	1013	1146	1146
11/12/2019 4:00	1013	1013	1146	1147
11/12/2019 5:00	1013	1013	1147	1147
11/12/2019 6:00	1013	1013	1147	1148
11/12/2019 7:00	1013	1013	1148	1149
11/12/2019 8:00	1013	1013	1149	1154
11/12/2019 9:00	1013	1013	1153	1154
11/12/2019 10:00	1013	1013	1153	1153
11/12/2019 11:00	1013	1013	1152	1153
11/12/2019 12:00	1013	1013	1150	1152
11/12/2019 13:00	1013	1013	1150	1151
11/12/2019 14:00	1013	1013	1151	1151
11/12/2019 15:00	1013	1013	1151	1152
11/12/2019 16:00	1013	1013	1152	1152
11/12/2019 17:00	1013	1013	1152	1154
11/12/2019 18:00	1013	1013	1154	1156
11/12/2019 19:00	1013	1013	1154	1156
11/12/2019 20:00	1013	1013	1155	1157
11/12/2019 21:00	1013	1013	1156	1157
11/12/2019 22:00	1013	1013	1155	1156
11/12/2019 23:00	1013	1013	1155	1157
11/13/2019 0:00	1013	1013	1157	1158
11/13/2019 1:00	1013	1013	1158	1158
11/13/2019 2:00	1013	1013	1157	1158
11/13/2019 3:00	1013	1013	1157	1157
11/13/2019 4:00	1013	1013	1157	1157
11/13/2019 5:00	1013	1013	1156	1157
11/13/2019 6:00	1013	1013	1155	1156
11/13/2019 7:00	1013	1013	1153	1155
11/13/2019 8:00	1013	1013	1146	1153
11/13/2019 9:00	1013	1013	1146	1148
11/13/2019 10:00	1013	1013	1148	1150
11/13/2019 11:00	1013	1013	1149	1150
11/13/2019 12:00	1013	1013	1149	1149
11/13/2019 13:00	1013	1013	1148	1149
11/13/2019 14:00	1013	1013	1148	1149
11/13/2019 15:00	1013	1013	1148	1149
11/13/2019 16:00	1013	1013	1146	1148
11/13/2019 17:00	1013	1013	1146	1146
11/13/2019 18:00	1013	1013	1146	1148
11/13/2019 19:00	1013	1013	1148	1149
11/13/2019 20:00	1013	1013	1149	1150
11/13/2019 21:00	1013	1013	1150	1153
11/13/2019 22:00	1013	1013	1153	1155

Xcel Energy
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
11/13/2019 23:00	1013	1013	1155	1158
11/14/2019 0:00	1013	1013	1158	1161
11/14/2019 1:00	1013	1013	1161	1161
11/14/2019 2:00	1013	1013	1161	1161
11/14/2019 3:00	1013	1013	1161	1163
11/14/2019 4:00	1013	1013	1163	1164
11/14/2019 5:00	1013	1013	1164	1165
11/14/2019 6:00	1013	1013	1165	1166
11/14/2019 7:00	1013	1013	1166	1169
11/14/2019 8:00	1013	1013	1169	1172
11/14/2019 9:00	1013	1013	1172	1172
11/14/2019 10:00	1013	1013	1172	1172
11/14/2019 11:00	1013	1013	1171	1172
11/14/2019 12:00	1013	1013	1169	1171
11/14/2019 13:00	1013	1013	1167	1169
11/14/2019 14:00	1013	1013	1167	1168
11/14/2019 15:00	1013	1013	1167	1168
11/14/2019 16:00	1013	1013	1168	1170
11/14/2019 17:00	1013	1013	1170	1172
11/14/2019 18:00	1013	1013	1172	1176
11/14/2019 19:00	1013	1013	1176	1178
11/14/2019 20:00	1013	1013	1178	1179
11/14/2019 21:00	1013	1013	1179	1180
11/14/2019 22:00	1013	1013	1180	1180
11/14/2019 23:00	1013	1013	1180	1180
11/15/2019 0:00	1013	1013	1180	1181
11/15/2019 1:00	1013	1013	1181	1181
11/15/2019 2:00	1013	1013	1181	1190
11/15/2019 3:00	1013	1013	1190	1198
11/15/2019 4:00	1013	1013	1198	1200
11/15/2019 5:00	1013	1013	1200	1200
11/15/2019 6:00	1013	1013	1200	1200
11/15/2019 7:00	1013	1013	1180	1200
11/15/2019 8:00	1013	1013	1178	1180
11/15/2019 9:00	1013	1013	1177	1178
11/15/2019 10:00	1013	1013	1175	1177
11/15/2019 11:00	1013	1013	1175	1176
11/15/2019 12:00	1013	1013	1176	1179
11/15/2019 13:00	1013	1013	1177	1179
11/15/2019 14:00	1013	1013	1176	1178
11/15/2019 15:00	1013	1013	1173	1177
11/15/2019 16:00	1013	1013	1173	1178
11/15/2019 17:00	1013	1013	1178	1180
11/15/2019 18:00	1013	1013	1176	1179
11/15/2019 19:00	1013	1013	1176	1181
11/15/2019 20:00	1013	1013	1181	1187
11/15/2019 21:00	1013	1013	1187	1189
11/15/2019 22:00	1013	1013	1189	1191
11/15/2019 23:00	1013	1013	1191	1196
11/16/2019 0:00	1013	1013	1196	1198
11/16/2019 1:00	1013	1013	1198	1199
11/16/2019 2:00	1013	1013	1199	1199
11/16/2019 3:00	1013	1013	1191	1199
11/16/2019 4:00	1013	1013	1187	1191
11/16/2019 5:00	1013	1013	1184	1187
11/16/2019 6:00	1013	1013	1184	1185
11/16/2019 7:00	1013	1013	1185	1187
11/16/2019 8:00	1013	1013	1187	1188
11/16/2019 9:00	1013	1013	1188	1188
11/16/2019 10:00	1013	1013	1188	1190
11/16/2019 11:00	1013	1013	1190	1190
11/16/2019 12:00	1013	1013	1190	1190
11/16/2019 13:00	1013	1013	1190	1190
11/16/2019 14:00	1013	1013	1183	1190
11/16/2019 15:00	1013	1013	1181	1183
11/16/2019 16:00	1013	1013	1181	1183
11/16/2019 17:00	1013	1013	1183	1184
11/16/2019 18:00	1013	1013	1183	1184
11/16/2019 19:00	1013	1013	1182	1183
11/16/2019 20:00	1013	1013	1181	1182
11/16/2019 21:00	1013	1013	1182	1183
11/16/2019 22:00	1013	1013	1182	1183
11/16/2019 23:00	1013	1013	1182	1182
11/17/2019 0:00	1013	1013	1182	1183
11/17/2019 1:00	1013	1013	1182	1184
11/17/2019 2:00	1013	1013	1181	1184
11/17/2019 3:00	1013	1013	1179	1181
11/17/2019 4:00	1013	1013	1179	1179
11/17/2019 5:00	1013	1013	1176	1179
11/17/2019 6:00	1013	1013	1175	1176
11/17/2019 7:00	1013	1013	1175	1177

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
11/17/2019 8:00	1013	1013	1177	1181
11/17/2019 9:00	1013	1013	1181	1183
11/17/2019 10:00	1013	1013	1183	1183
11/17/2019 11:00	1013	1013	1181	1183
11/17/2019 12:00	1013	1013	1178	1181
11/17/2019 13:00	1013	1013	1176	1178
11/17/2019 14:00	1013	1013	1177	1178
11/17/2019 15:00	1013	1013	1176	1178
11/17/2019 16:00	1013	1013	1177	1177
11/17/2019 17:00	1013	1013	1177	1178
11/17/2019 18:00	1013	1013	1178	1178
11/17/2019 19:00	1013	1013	1177	1178
11/17/2019 20:00	1013	1013	1176	1177
11/17/2019 21:00	1013	1013	1173	1176
11/17/2019 22:00	1013	1013	1173	1175
11/17/2019 23:00	1013	1013	1175	1175
11/18/2019 0:00	1013	1013	1175	1178
11/18/2019 1:00	1013	1013	1178	1178
11/18/2019 2:00	1013	1013	1178	1179
11/18/2019 3:00	1013	1013	1178	1179
11/18/2019 4:00	1013	1013	1178	1179
11/18/2019 5:00	1013	1013	1179	1180
11/18/2019 6:00	1013	1013	1180	1182
11/18/2019 7:00	1013	1013	1182	1184
11/18/2019 8:00	1013	1013	1182	1184
11/18/2019 9:00	1013	1013	1181	1182
11/18/2019 10:00	1013	1013	1179	1181
11/18/2019 11:00	1013	1013	1177	1179
11/18/2019 12:00	1013	1013	1177	1179
11/18/2019 13:00	1013	1013	1179	1180
11/18/2019 14:00	1013	1013	1179	1180
11/18/2019 15:00	1013	1013	1179	1180
11/18/2019 16:00	1013	1013	1180	1182
11/18/2019 17:00	1013	1013	1180	1182
11/18/2019 18:00	1013	1013	1178	1180
11/18/2019 19:00	1013	1013	1178	1179
11/18/2019 20:00	1013	1013	1179	1179
11/18/2019 21:00	1013	1013	1179	1180
11/18/2019 22:00	1013	1013	1177	1180
11/18/2019 23:00	1013	1013	1176	1177
11/19/2019 0:00	1013	1013	1177	1179
11/19/2019 1:00	1013	1013	1179	1180
11/19/2019 2:00	1013	1013	1180	1181
11/19/2019 3:00	1013	1013	1181	1183
11/19/2019 4:00	1013	1013	1183	1183
11/19/2019 5:00	1013	1013	1183	1184
11/19/2019 6:00	1013	1013	1184	1188
11/19/2019 7:00	1013	1013	1187	1189
11/19/2019 8:00	1013	1013	1186	1187
11/19/2019 9:00	1013	1013	1186	1187
11/19/2019 10:00	1013	1013	1185	1186
11/19/2019 11:00	1013	1013	1184	1185
11/19/2019 12:00	1013	1013	1181	1184
11/19/2019 13:00	1013	1013	1180	1181
11/19/2019 14:00	1013	1013	1180	1181
11/19/2019 15:00	1013	1013	1180	1183
11/19/2019 16:00	1013	1013	1183	1186
11/19/2019 17:00	1013	1013	1186	1187
11/19/2019 18:00	1013	1013	1186	1187
11/19/2019 19:00	1013	1013	1185	1186
11/19/2019 20:00	1013	1013	1184	1185
11/19/2019 21:00	1013	1013	1185	1185
11/19/2019 22:00	1013	1013	1185	1186
11/19/2019 23:00	1013	1013	1184	1185
11/20/2019 0:00	1013	1013	1184	1187
11/20/2019 1:00	1013	1013	1187	1189
11/20/2019 2:00	1013	1013	1189	1190
11/20/2019 3:00	1013	1013	1189	1190
11/20/2019 4:00	1013	1013	1190	1193
11/20/2019 5:00	1013	1013	1192	1194
11/20/2019 6:00	1013	1013	1190	1192
11/20/2019 7:00	1013	1013	1191	1191
11/20/2019 8:00	1013	1013	1190	1191
11/20/2019 9:00	1013	1013	1189	1190
11/20/2019 10:00	1013	1013	1188	1189
11/20/2019 11:00	1013	1013	1186	1188
11/20/2019 12:00	1013	1013	1186	1186
11/20/2019 13:00	1013	1013	1183	1186
11/20/2019 14:00	1013	1013	1183	1184

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
11/20/2019 15:00	1013	1013	1183	1184
11/20/2019 16:00	1013	1013	1184	1187
11/20/2019 17:00	1013	1013	1187	1189
11/20/2019 18:00	1013	1013	1189	1190
11/20/2019 19:00	1013	1013	1190	1191
11/20/2019 20:00	1013	1013	1191	1192
11/20/2019 21:00	1013	1013	1191	1191
11/20/2019 22:00	1013	1013	1189	1191
11/20/2019 23:00	1013	1013	1187	1189
11/21/2019 0:00	1013	1013	1184	1187
11/21/2019 1:00	1013	1013	1184	1186
11/21/2019 2:00	1013	1013	1186	1186
11/21/2019 3:00	1013	1013	1184	1186
11/21/2019 4:00	1013	1013	1184	1187
11/21/2019 5:00	1013	1013	1185	1187
11/21/2019 6:00	1013	1013	1185	1186
11/21/2019 7:00	1013	1013	1184	1186
11/21/2019 8:00	1013	1013	1183	1184
11/21/2019 9:00	1013	1013	1183	1183
11/21/2019 10:00	1013	1013	1183	1183
11/21/2019 10:00	1013	1013	1183	1183
11/21/2019 11:00	1013	1013	1180	1183
11/21/2019 12:00	1013	1013	1180	1181
11/21/2019 12:00	1013	1013	1180	1181
11/21/2019 13:00	1013	1013	1181	1182
11/21/2019 14:00	1013	1013	1181	1182
11/21/2019 15:00	1013	1013	1180	1181
11/21/2019 16:00	1013	1013	1180	1180
11/21/2019 17:00	1013	1013	1179	1180
11/21/2019 18:00	1013	1013	1174	1179
11/21/2019 19:00	1013	1013	1174	1174
11/21/2019 20:00	1013	1013	1173	1175
11/21/2019 21:00	1013	1013	1164	1173
11/21/2019 22:00	1013	1013	1164	1165
11/21/2019 23:00	1013	1013	1165	1174
11/22/2019 0:00	1013	1013	1174	1179
11/22/2019 1:00	1013	1013	1179	1183
11/22/2019 2:00	1013	1013	1178	1179
11/22/2019 3:00	1013	1013	1177	1178
11/22/2019 4:00	1013	1013	1176	1177
11/22/2019 5:00	1013	1013	1177	1177
11/22/2019 6:00	1013	1013	1173	1177
11/22/2019 7:00	1013	1013	1168	1173
11/22/2019 8:00	1013	1013	1167	1168
11/22/2019 9:00	1013	1013	1164	1167
11/22/2019 10:00	1013	1013	1164	1165
11/22/2019 11:00	1013	1013	1164	1165
11/22/2019 12:00	1013	1013	1164	1166
11/22/2019 13:00	1013	1013	1165	1170
11/22/2019 14:00	1013	1013	1169	1170
11/22/2019 15:00	1013	1013	1168	1169
11/22/2019 16:00	1013	1013	1168	1173
11/22/2019 17:00	1013	1013	1173	1174
11/22/2019 18:00	1013	1013	1174	1175
11/22/2019 19:00	1013	1013	1173	1174
11/22/2019 20:00	1013	1013	1173	1173
11/22/2019 21:00	1013	1013	1173	1173
11/22/2019 22:00	1013	1013	1173	1174
11/22/2019 23:00	1013	1013	1174	1175
11/23/2019 0:00	1013	1013	1174	1175
11/23/2019 1:00	1013	1013	1175	1175
11/23/2019 2:00	1013	1013	1175	1176
11/23/2019 3:00	1013	1013	1175	1175
11/23/2019 4:00	1013	1013	1175	1178
11/23/2019 5:00	1013	1013	1178	1180
11/23/2019 6:00	1013	1013	1179	1180
11/23/2019 7:00	1013	1013	1180	1180
11/23/2019 8:00	1013	1013	1179	1180
11/23/2019 9:00	1013	1013	1180	1182
11/23/2019 10:00	1013	1013	1182	1182
11/23/2019 11:00	1013	1013	1181	1182
11/23/2019 12:00	1013	1013	1177	1182
11/23/2019 13:00	1013	1013	1175	1177
11/23/2019 14:00	1013	1013	1175	1176
11/23/2019 15:00	1013	1013	1176	1178
11/23/2019 16:00	1013	1013	1178	1182
11/23/2019 17:00	1013	1013	1181	1184
11/23/2019 18:00	1013	1013	1184	1185
11/23/2019 19:00	1013	1013	1185	1186
11/23/2019 20:00	1013	1013	1186	1186

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
11/23/2019 21:00	1013	1013	1186	1187
11/23/2019 22:00	1013	1013	1185	1187
11/23/2019 23:00	1013	1013	1184	1185
11/24/2019 0:00	1013	1013	1184	1186
11/24/2019 1:00	1013	1013	1186	1187
11/24/2019 2:00	1013	1013	1186	1187
11/24/2019 3:00	1013	1013	1187	1189
11/24/2019 4:00	1013	1013	1188	1199
11/24/2019 5:00	1013	1013	1199	1200
11/24/2019 6:00	1013	1013	1200	1200
11/24/2019 7:00	1013	1013	1200	1200
11/24/2019 8:00	1013	1013	1200	1200
11/24/2019 9:00	1013	1013	1199	1200
11/24/2019 10:00	1013	1013	1200	1200
11/24/2019 11:00	1013	1013	1200	1200
11/24/2019 12:00	1013	1013	1192	1200
11/24/2019 13:00	1013	1013	1186	1192
11/24/2019 14:00	1013	1013	1187	1188
11/24/2019 15:00	1013	1013	1186	1189
11/24/2019 16:00	1013	1013	1180	1186
11/24/2019 17:00	1013	1013	1185	1186
11/24/2019 18:00	1013	1013	1186	1189
11/24/2019 19:00	1013	1013	1184	1189
11/24/2019 20:00	1013	1013	1184	1190
11/24/2019 21:00	1013	1013	1190	1190
11/24/2019 22:00	1013	1013	1189	1190
11/24/2019 23:00	1013	1013	1189	1189
11/25/2019 0:00	1013	1013	1189	1189
11/25/2019 1:00	1013	1013	1189	1191
11/25/2019 2:00	1013	1013	1190	1192
11/25/2019 3:00	1013	1013	1191	1193
11/25/2019 4:00	1013	1013	1193	1193
11/25/2019 5:00	1013	1013	1193	1193
11/25/2019 6:00	1013	1013	1193	1195
11/25/2019 7:00	1013	1013	1193	1195
11/25/2019 8:00	1013	1013	1193	1193
11/25/2019 9:00	1013	1013	1193	1195
11/25/2019 10:00	1013	1013	1195	1197
11/25/2019 11:00	1013	1013	1191	1196
11/25/2019 12:00	1013	1013	1190	1191
11/25/2019 13:00	1013	1013	1189	1190
11/25/2019 14:00	1013	1013	1188	1189
11/25/2019 15:00	1013	1013	1188	1188
11/25/2019 16:00	1013	1013	1187	1188
11/25/2019 17:00	1013	1013	1188	1189
11/25/2019 18:00	1013	1013	1188	1189
11/25/2019 19:00	1013	1013	1188	1190
11/25/2019 20:00	1013	1013	1190	1191
11/25/2019 21:00	1013	1013	1191	1191
11/25/2019 22:00	1013	1013	1189	1191
11/25/2019 23:00	1013	1013	1189	1191
11/26/2019 0:00	1013	1013	1191	1192
11/26/2019 1:00	1013	1013	1192	1192
11/26/2019 2:00	1013	1013	1192	1192
11/26/2019 3:00	1013	1013	1192	1193
11/26/2019 4:00	1013	1013	1193	1196
11/26/2019 5:00	1013	1013	1195	1199
11/26/2019 6:00	1013	1013	1199	1200
11/26/2019 7:00	1013	1013	1200	1200
11/26/2019 8:00	1013	1013	1199	1200
11/26/2019 9:00	1013	1013	1196	1199
11/26/2019 10:00	1013	1013	1193	1196
11/26/2019 11:00	1013	1013	1191	1193
11/26/2019 12:00	1013	1013	1187	1191
11/26/2019 13:00	1013	1013	1183	1187
11/26/2019 14:00	1013	1013	1180	1183
11/26/2019 15:00	1013	1013	1178	1180
11/26/2019 16:00	1013	1013	1178	1178
11/26/2019 17:00	1013	1013	1175	1178
11/26/2019 18:00	1013	1013	1175	1175
11/26/2019 19:00	1013	1013	1175	1175
11/26/2019 20:00	1013	1013	1175	1175
11/26/2019 21:00	1013	1013	1175	1176
11/26/2019 22:00	1013	1013	1174	1176
11/26/2019 23:00	1013	1013	1174	1174
11/27/2019 0:00	1013	1013	1173	1174
11/27/2019 1:00	1013	1013	1172	1173
11/27/2019 2:00	1013	1013	1172	1173
11/27/2019 3:00	1013	1013	1172	1173
11/27/2019 4:00	1013	1013	1172	1173

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
11/27/2019 5:00	1013	1013	1173	1173
11/27/2019 6:00	1013	1013	1173	1174
11/27/2019 7:00	1013	1013	1174	1174
11/27/2019 8:00	1013	1013	1174	1175
11/27/2019 9:00	1013	1013	1175	1177
11/27/2019 10:00	1013	1013	1176	1177
11/27/2019 11:00	1013	1013	1176	1176
11/27/2019 12:00	1013	1013	1172	1176
11/27/2019 13:00	1013	1013	1169	1172
11/27/2019 14:00	1013	1013	1169	1169
11/27/2019 15:00	1013	1013	1169	1169
11/27/2019 16:00	1013	1013	1169	1171
11/27/2019 17:00	1013	1013	1171	1173
11/27/2019 18:00	1013	1013	1172	1173
11/27/2019 19:00	1013	1013	1172	1173
11/27/2019 20:00	1013	1013	1171	1172
11/27/2019 21:00	1013	1013	1171	1172
11/27/2019 22:00	1013	1013	1172	1174
11/27/2019 23:00	1013	1013	1174	1174
11/28/2019 0:00	1013	1013	1173	1174
11/28/2019 1:00	1013	1013	1172	1173
11/28/2019 2:00	1013	1013	1172	1174
11/28/2019 3:00	1013	1013	1174	1175
11/28/2019 4:00	1013	1013	1173	1174
11/28/2019 5:00	1013	1013	1174	1176
11/28/2019 6:00	1013	1013	1176	1176
11/28/2019 7:00	1013	1013	1174	1176
11/28/2019 8:00	1013	1013	1176	1177
11/28/2019 9:00	1013	1013	1176	1177
11/28/2019 10:00	1013	1013	1172	1176
11/28/2019 11:00	1013	1013	1170	1172
11/28/2019 12:00	1013	1013	1169	1170
11/28/2019 13:00	1013	1013	1170	1175
11/28/2019 14:00	1013	1013	1174	1176
11/28/2019 15:00	1013	1013	1175	1177
11/28/2019 16:00	1013	1013	1176	1176
11/28/2019 17:00	1013	1013	1176	1176
11/28/2019 18:00	1013	1013	1175	1176
11/28/2019 19:00	1013	1013	1174	1176
11/28/2019 20:00	1013	1013	1174	1174
11/28/2019 21:00	1013	1013	1174	1175
11/28/2019 22:00	1013	1013	1173	1175
11/28/2019 23:00	1013	1013	1172	1173
11/29/2019 0:00	1013	1013	1173	1174
11/29/2019 1:00	1013	1013	1173	1174
11/29/2019 2:00	1013	1013	1171	1174
11/29/2019 3:00	1013	1013	1171	1172
11/29/2019 4:00	1013	1013	1172	1172
11/29/2019 5:00	1013	1013	1171	1172
11/29/2019 6:00	1013	1013	1171	1172
11/29/2019 7:00	1013	1013	1171	1172
11/29/2019 8:00	1013	1013	1172	1173
11/29/2019 9:00	1013	1013	1171	1173
11/29/2019 10:00	1013	1013	1171	1172
11/29/2019 11:00	1013	1013	1170	1171
11/29/2019 12:00	1013	1013	1170	1170
11/29/2019 13:00	1013	1013	1169	1170
11/29/2019 14:00	1013	1013	1168	1169
11/29/2019 15:00	1013	1013	1168	1169
11/29/2019 16:00	1013	1013	1169	1171
11/29/2019 17:00	1013	1013	1171	1171
11/29/2019 18:00	1013	1013	1170	1171
11/29/2019 19:00	1013	1013	1171	1171
11/29/2019 20:00	1013	1013	1171	1172
11/29/2019 21:00	1013	1013	1171	1172
11/29/2019 22:00	1013	1013	1171	1172
11/29/2019 23:00	1013	1013	1171	1172
11/30/2019 0:00	1013	1013	1172	1174
11/30/2019 1:00	1013	1013	1174	1174
11/30/2019 2:00	1013	1013	1174	1174
11/30/2019 3:00	1013	1013	1174	1174
11/30/2019 4:00	1013	1013	1173	1174
11/30/2019 5:00	1013	1013	1173	1175
11/30/2019 6:00	1013	1013	1174	1175
11/30/2019 7:00	1013	1013	1174	1174
11/30/2019 8:00	1013	1013	1173	1174
11/30/2019 9:00	1013	1013	1173	1173
11/30/2019 10:00	1013	1013	1173	1174
11/30/2019 11:00	1013	1013	1174	1174
11/30/2019 12:00	1013	1013	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
11/30/2019 13:00	1013	1013	1173	1174
11/30/2019 14:00	1013	1013	1172	1173
11/30/2019 15:00	1013	1013	1172	1174
11/30/2019 16:00	1013	1013	1174	1175
11/30/2019 17:00	1013	1013	1174	1175
11/30/2019 18:00	1013	1013	1171	1174
11/30/2019 19:00	1013	1013	1170	1171
11/30/2019 20:00	1013	1013	1169	1170
11/30/2019 21:00	1013	1013	1170	1170
11/30/2019 22:00	1013	1013	1170	1172
11/30/2019 23:00	1013	1013	1171	1174
12/1/2019 0:00	1013	1013	1174	1174
12/1/2019 1:00	1013	1013	1173	1174
12/1/2019 2:00	1013	1013	1172	1173
12/1/2019 3:00	1013	1013	1172	1172
12/1/2019 4:00	1013	1013	1172	1173
12/1/2019 5:00	1013	1013	1173	1173
12/1/2019 6:00	1013	1013	1173	1174
12/1/2019 7:00	1013	1013	1174	1175
12/1/2019 8:00	1013	1013	1174	1175
12/1/2019 9:00	1013	1013	1172	1174
12/1/2019 10:00	1013	1013	1172	1173