



825 Rice Street
Saint Paul, MN 55117

April 20, 2016

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 March 2016 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 black ink, appearing to read 'Jeff Murray', with a long horizontal flourish extending to the right.

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
3/1/2016 0:00	1034	1034	1178	1178
3/1/2016 1:00	1034	1034	1178	1181
3/1/2016 2:00	1034	1034	1176	1180
3/1/2016 3:00	1034	1034	1179	1180
3/1/2016 4:00	1034	1034	1178	1179
3/1/2016 5:00	1034	1034	1175	1179
3/1/2016 6:00	1034	1035	1174	1175
3/1/2016 7:00	1035	1035	1163	1174
3/1/2016 8:00	1035	1035	1163	1172
3/1/2016 9:00	1035	1035	1168	1170
3/1/2016 12:00	1036	1037	1162	1163
3/1/2016 13:00	1036	1037	1160	1164
3/1/2016 14:00	1036	1036	1159	1164
3/1/2016 15:00	1036	1036	1162	1168
3/1/2016 16:00	1036	1036	1163	1166
3/1/2016 17:00	1036	1036	1162	1168
3/1/2016 18:00	1036	1036	1161	1162
3/1/2016 19:00	1036	1037	1161	1164
3/1/2016 20:00	1037	1039	1164	1166
3/1/2016 21:00	1039	1040	1165	1168
3/1/2016 22:00	1040	1040	1168	1170
3/1/2016 23:00	1040	1041	1170	1174
3/2/2016 0:00	1041	1042	1174	1176
3/2/2016 1:00	1042	1042	1176	1178
3/2/2016 2:00	1042	1042	1176	1178
3/2/2016 3:00	1042	1042	1178	1180
3/2/2016 4:00	1042	1042	1180	1180
3/2/2016 5:00	1042	1043	1180	1181
3/2/2016 6:00	1043	1043	1181	1183
3/2/2016 7:00	1042	1043	1183	1183
3/2/2016 8:00	1042	1042	1130	1183
3/2/2016 9:00	1039	1042	1126	1130
3/2/2016 10:00	1037	1039	1123	1126
3/2/2016 11:00	1037	1037	1123	1136
3/2/2016 12:00	1037	1037	1136	1164
3/2/2016 13:00	1037	1038	1164	1179
3/2/2016 14:00	1038	1039	1178	1179
3/2/2016 15:00	1038	1039	1178	1183
3/2/2016 16:00	1038	1038	1181	1183
3/2/2016 17:00	1037	1038	1181	1182
3/2/2016 18:00	1036	1037	1181	1182
3/2/2016 19:00	1036	1037	1181	1188
3/2/2016 20:00	1037	1037	1188	1189
3/2/2016 21:00	1037	1037	1185	1189
3/2/2016 22:00	1037	1037	1185	1190
3/2/2016 23:00	1037	1037	1186	1190
3/3/2016 0:00	1037	1037	1185	1186
3/3/2016 1:00	1037	1037	1185	1185
3/3/2016 2:00	1037	1037	1185	1185
3/3/2016 3:00	1037	1039	1184	1185
3/3/2016 4:00	1039	1039	1183	1184
3/3/2016 5:00	1039	1039	1183	1185
3/3/2016 6:00	1039	1039	1185	1187
3/3/2016 7:00	1039	1039	1187	1189
3/3/2016 8:00	1039	1039	1189	1190
3/3/2016 9:00	1039	1039	1186	1190
3/3/2016 10:00	1039	1039	1184	1186
3/3/2016 11:00	1038	1039	1184	1186
3/3/2016 12:00	1038	1038	1186	1188
3/3/2016 13:00	1038	1038	1186	1188
3/3/2016 14:00	1038	1038	1186	1191
3/3/2016 15:00	1038	1038	1187	1189
3/3/2016 16:00	1038	1038	1187	1190
3/3/2016 17:00	1038	1038	1190	1193
3/3/2016 18:00	1038	1038	1191	1194
3/3/2016 19:00	1038	1038	1194	1195
3/3/2016 20:00	1038	1038	1195	1197
3/3/2016 21:00	1038	1038	1197	1197
3/3/2016 22:00	1038	1038	1197	1198
3/3/2016 23:00	1038	1038	1197	1198
3/4/2016 0:00	1038	1038	1196	1197
3/4/2016 1:00	1038	1038	1196	1197
3/4/2016 2:00	1038	1038	1196	1197
3/4/2016 3:00	1038	1038	1196	1198
3/4/2016 4:00	1038	1038	1197	1198
3/4/2016 5:00	1038	1038	1196	1197
3/4/2016 6:00	1038	1038	1196	1198
3/4/2016 7:00	1038	1038	1197	1199
3/4/2016 8:00	1038	1038	1198	1199
3/4/2016 9:00	1038	1038	1197	1199
3/4/2016 10:00	1038	1038	1197	1199
3/4/2016 11:00	1038	1038	1196	1199
3/4/2016 12:00	1038	1038	1196	1198
3/4/2016 13:00	1038	1038	1197	1199
3/4/2016 14:00	1038	1038	1197	1199
3/4/2016 15:00	1038	1038	1194	1199
3/4/2016 16:00	1038	1038	1191	1194
3/4/2016 17:00	1037	1038	1192	1193
3/4/2016 18:00	1037	1037	1189	1193
3/4/2016 19:00	1037	1037	1186	1189
3/4/2016 20:00	1037	1037	1187	1189
3/4/2016 21:00	1037	1037	1186	1189

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
3/4/2016 22:00	1037	1037	1186	1192
3/4/2016 23:00	1037	1037	1189	1191
3/5/2016 0:00	1036	1037	1189	1191
3/5/2016 1:00	1036	1037	1187	1191
3/5/2016 2:00	1037	1037	1186	1187
3/5/2016 3:00	1037	1037	1184	1186
3/5/2016 4:00	1037	1038	1181	1184
3/5/2016 5:00	1038	1038	1181	1183
3/5/2016 6:00	1038	1038	1182	1185
3/5/2016 7:00	1038	1039	1182	1186
3/5/2016 8:00	1039	1039	1185	1186
3/5/2016 9:00	1039	1040	1181	1185
3/5/2016 10:00	1040	1041	1179	1184
3/5/2016 11:00	1040	1041	1176	1182
3/5/2016 12:00	1040	1040	1182	1186
3/5/2016 13:00	1037	1040	1180	1185
3/5/2016 14:00	1036	1037	1177	1181
3/5/2016 15:00	1036	1036	1177	1179
3/5/2016 16:00	1035	1036	1173	1177
3/5/2016 17:00	1035	1035	1173	1175
3/5/2016 18:00	1035	1035	1175	1179
3/5/2016 19:00	1035	1035	1178	1179
3/5/2016 20:00	1034	1035	1176	1178
3/5/2016 21:00	1034	1034	1177	1178
3/5/2016 22:00	1034	1034	1176	1177
3/5/2016 23:00	1034	1035	1176	1177
3/6/2016 0:00	1035	1035	1177	1180
3/6/2016 1:00	1035	1037	1177	1180
3/6/2016 2:00	1037	1037	1177	1180
3/6/2016 3:00	1037	1037	1180	1182
3/6/2016 4:00	1037	1037	1182	1185
3/6/2016 5:00	1036	1037	1178	1185
3/6/2016 6:00	1036	1036	1176	1181
3/6/2016 7:00	1036	1036	1176	1189
3/6/2016 8:00	1036	1036	1186	1189
3/6/2016 9:00	1036	1036	1185	1186
3/6/2016 10:00	1035	1036	1185	1189
3/6/2016 11:00	1034	1035	1185	1190
3/6/2016 12:00	1034	1034	1185	1187
3/6/2016 13:00	1034	1034	1187	1188
3/6/2016 14:00	1034	1034	1187	1190
3/6/2016 15:00	1033	1034	1190	1190
3/6/2016 16:00	1033	1034	1188	1190
3/6/2016 17:00	1034	1034	1188	1191
3/6/2016 18:00	1033	1034	1191	1193
3/6/2016 19:00	1032	1033	1193	1193
3/6/2016 20:00	1032	1034	1193	1196
3/6/2016 21:00	1034	1037	1196	1197
3/6/2016 22:00	1037	1038	1196	1198
3/6/2016 23:00	1038	1038	1196	1198
3/7/2016 0:00	1037	1038	1198	1200
3/7/2016 1:00	1037	1037	1200	1200
3/7/2016 2:00	1037	1037	1198	1200
3/7/2016 3:00	1037	1038	1197	1199
3/7/2016 4:00	1038	1038	1196	1198
3/7/2016 5:00	1038	1038	1196	1196
3/7/2016 6:00	1038	1038	1196	1197
3/7/2016 7:00	1038	1038	1195	1198
3/7/2016 8:00	1038	1038	1193	1195
3/7/2016 9:00	1037	1038	1193	1193
3/7/2016 10:00	1037	1037	1191	1193
3/7/2016 11:00	1036	1037	1189	1191
3/7/2016 12:00	1036	1036	1188	1193
3/7/2016 13:00	1036	1036	1191	1196
3/7/2016 14:00	1036	1036	1191	1192
3/7/2016 15:00	1036	1037	1190	1192
3/7/2016 16:00	1037	1037	1192	1192
3/7/2016 17:00	1037	1037	1191	1192
3/7/2016 18:00	1037	1037	1192	1194
3/7/2016 19:00	1037	1037	1194	1196
3/7/2016 20:00	1037	1037	1196	1197
3/7/2016 21:00	1037	1040	1195	1197
3/7/2016 22:00	1040	1042	1194	1195
3/7/2016 23:00	1042	1044	1194	1198
3/8/2016 0:00	1043	1044	1198	1200
3/8/2016 1:00	1043	1044	1200	1200
3/8/2016 2:00	1043	1044	1200	1200
3/8/2016 3:00	1042	1043	1200	1200
3/8/2016 4:00	1039	1042	1200	1200
3/8/2016 5:00	1037	1039	1200	1200
3/8/2016 6:00	1036	1037	1200	1200
3/8/2016 7:00	1035	1036	1200	1200
3/8/2016 8:00	1035	1035	1200	1200
3/8/2016 9:00	1035	1035	1200	1200
3/8/2016 10:00	1035	1036	1200	1200
3/8/2016 11:00	1036	1036	1200	1200
3/8/2016 12:00	1035	1036	1159	1200
3/8/2016 13:00	1035	1036	1152	1163
3/8/2016 14:00	1035	1036	1163	1166
3/8/2016 15:00	1035	1035	1166	1197
3/8/2016 16:00	1034	1035	1197	1200
3/8/2016 17:00	1034	1034	1200	1200
3/8/2016 18:00	1034	1035	1200	1200
3/8/2016 19:00	1035	1035	1200	1200
3/8/2016 20:00	1035	1035	1200	1200
3/8/2016 21:00	1035	1035	1200	1200
3/8/2016 22:00	1035	1035	1200	1200
3/8/2016 23:00	1035	1035	1200	1200
3/9/2016 0:00	1034	1035	1198	1200
3/9/2016 1:00	1033	1034	1193	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
3/9/2016 2:00	1031	1033	1182	1193
3/9/2016 3:00	1028	1031	1185	1188
3/9/2016 4:00	1027	1028	1187	1188
3/9/2016 5:00	1027	1028	1187	1188
3/9/2016 6:00	1027	1028	1185	1188
3/9/2016 7:00	1027	1027	1188	1189
3/9/2016 8:00	1027	1028	1178	1189
3/9/2016 9:00	1028	1028	1173	1179
3/9/2016 10:00	1028	1028	1173	1177
3/9/2016 11:00	1028	1028	1176	1179
3/9/2016 12:00	1028	1029	1170	1177
3/9/2016 13:00	1029	1030	1170	1177
3/9/2016 14:00	1030	1031	1173	1177
3/9/2016 15:00	1031	1031	1168	1173
3/9/2016 16:00	1031	1031	1168	1172
3/9/2016 17:00	1030	1031	1170	1172
3/9/2016 18:00	1030	1030	1172	1175
3/9/2016 19:00	1029	1030	1175	1179
3/9/2016 20:00	1029	1029	1177	1178
3/9/2016 21:00	1029	1030	1176	1178
3/9/2016 22:00	1030	1032	1178	1182
3/9/2016 23:00	1032	1032	1181	1183
3/10/2016 0:00	1032	1032	1174	1181
3/10/2016 1:00	1031	1032	1174	1175
3/10/2016 2:00	1030	1031	1174	1175
3/10/2016 3:00	1030	1030	1174	1174
3/10/2016 4:00	1030	1030	1173	1174
3/10/2016 5:00	1029	1030	1173	1174
3/10/2016 6:00	1029	1029	1174	1175
3/10/2016 7:00	1027	1029	1175	1179
3/10/2016 8:00	1027	1027	1176	1179
3/10/2016 9:00	1027	1027	1176	1185
3/10/2016 10:00	1026	1027	1185	1192
3/10/2016 11:00	1025	1026	1190	1192
3/10/2016 12:00	1025	1025	1181	1190
3/10/2016 13:00	1025	1025	1176	1181
3/10/2016 14:00	1025	1025	1176	1182
3/10/2016 15:00	1024	1025	1182	1183
3/10/2016 16:00	1024	1024	1183	1187
3/10/2016 17:00	1024	1024	1187	1189
3/10/2016 18:00	1024	1024	1189	1199
3/10/2016 19:00	1024	1025	1192	1199
3/10/2016 20:00	1025	1025	1190	1192
3/10/2016 21:00	1025	1025	1188	1191
3/10/2016 22:00	1025	1025	1188	1190
3/10/2016 23:00	1025	1025	1187	1190
3/11/2016 0:00	1025	1027	1185	1187
3/11/2016 1:00	1027	1032	1184	1185
3/11/2016 2:00	1032	1033	1184	1184
3/11/2016 3:00	1031	1033	1184	1185
3/11/2016 4:00	1030	1031	1184	1185
3/11/2016 5:00	1030	1030	1184	1185
3/11/2016 6:00	1028	1030	1183	1185
3/11/2016 7:00	1026	1028	1182	1183
3/11/2016 8:00	1025	1026	1180	1182
3/11/2016 9:00	1025	1025	1178	1180
3/11/2016 10:00	1025	1026	1176	1178
3/11/2016 11:00	1026	1027	1166	1181
3/11/2016 12:00	1026	1027	1158	1173
3/11/2016 13:00	1026	1026	1173	1181
3/11/2016 14:00	1026	1026	1180	1180
3/11/2016 15:00	1026	1026	1180	1182
3/11/2016 16:00	1025	1026	1157	1182
3/11/2016 17:00	1025	1025	1172	1181
3/11/2016 18:00	1025	1025	1181	1186
3/11/2016 19:00	1025	1025	1186	1191
3/11/2016 20:00	1025	1025	1189	1191
3/11/2016 21:00	1025	1025	1189	1189
3/11/2016 22:00	1025	1025	1187	1189
3/11/2016 23:00	1025	1025	1187	1189
3/12/2016 0:00	1025	1025	1189	1191
3/12/2016 1:00	1025	1025	1191	1192
3/12/2016 2:00	1025	1025	1191	1192
3/12/2016 3:00	1025	1025	1187	1191
3/12/2016 4:00	1025	1025	1187	1189
3/12/2016 5:00	1025	1025	1189	1193
3/12/2016 6:00	1025	1025	1193	1193
3/12/2016 7:00	1025	1025	1193	1193
3/12/2016 8:00	1025	1025	1193	1194
3/12/2016 9:00	1025	1025	1190	1193
3/12/2016 10:00	1025	1025	1190	1191
3/12/2016 11:00	1025	1025	1191	1194
3/12/2016 12:00	1025	1025	1191	1194
3/12/2016 13:00	1025	1025	1182	1191
3/12/2016 14:00	1025	1025	1186	1190
3/12/2016 15:00	1025	1025	1188	1192
3/12/2016 16:00	1025	1025	1192	1196
3/12/2016 17:00	1025	1025	1194	1196
3/12/2016 18:00	1025	1025	1193	1194
3/12/2016 19:00	1025	1025	1193	1195
3/12/2016 20:00	1025	1025	1195	1200
3/12/2016 21:00	1025	1025	1200	1200
3/12/2016 22:00	1025	1025	1194	1200
3/12/2016 23:00	1025	1025	1190	1194
3/13/2016 0:00	1025	1026	1191	1191
3/13/2016 1:00	1026	1027	1191	1192
3/13/2016 3:00	1027	1030	1191	1200
3/13/2016 4:00	1029	1030	1200	1200
3/13/2016 5:00	1027	1029	1193	1200
3/13/2016 6:00	1026	1027	1193	1193

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
3/13/2016 7:00	1026	1026	1191	1193
3/13/2016 8:00	1026	1026	1190	1191
3/13/2016 9:00	1026	1026	1190	1191
3/13/2016 10:00	1026	1027	1187	1191
3/13/2016 11:00	1027	1028	1185	1189
3/13/2016 12:00	1027	1028	1185	1188
3/13/2016 13:00	1027	1027	1188	1188
3/13/2016 14:00	1027	1027	1188	1189
3/13/2016 15:00	1027	1027	1189	1190
3/13/2016 16:00	1027	1027	1190	1193
3/13/2016 17:00	1026	1027	1192	1193
3/13/2016 18:00	1026	1026	1193	1193
3/13/2016 19:00	1026	1026	1189	1193
3/13/2016 20:00	1026	1026	1189	1192
3/13/2016 21:00	1026	1033	1192	1195
3/13/2016 22:00	1033	1042	1194	1195
3/13/2016 23:00	1042	1043	1194	1196
3/14/2016 0:00	1043	1043	1196	1196
3/14/2016 1:00	1043	1043	1196	1197
3/14/2016 2:00	1042	1043	1194	1196
3/14/2016 3:00	1034	1042	1193	1195
3/14/2016 4:00	1025	1034	1190	1195
3/14/2016 5:00	1025	1025	1190	1196
3/14/2016 6:00	1025	1026	1194	1196
3/14/2016 7:00	1026	1027	1194	1195
3/14/2016 8:00	1027	1028	1194	1196
3/14/2016 9:00	1028	1028	1190	1196
3/14/2016 10:00	1028	1028	1188	1196
3/14/2016 11:00	1028	1028	1191	1196
3/14/2016 12:00	1028	1028	1190	1197
3/14/2016 13:00	1028	1029	1195	1197
3/14/2016 14:00	1029	1029	1195	1196
3/14/2016 15:00	1029	1029	1196	1197
3/14/2016 16:00	1029	1030	1197	1200
3/14/2016 17:00	1030	1030	1200	1200
3/14/2016 18:00	1030	1031	1200	1200
3/14/2016 19:00	1031	1032	1200	1200
3/14/2016 20:00	1032	1032	1200	1200
3/14/2016 21:00	1032	1032	1200	1200
3/14/2016 22:00	1032	1032	1200	1200
3/14/2016 23:00	1032	1032	1200	1200
3/15/2016 0:00	1032	1032	1200	1200
3/15/2016 1:00	1031	1032	1200	1200
3/15/2016 2:00	1030	1031	1200	1200
3/15/2016 3:00	1029	1030	1198	1200
3/15/2016 4:00	1028	1029	1196	1198
3/15/2016 5:00	1028	1028	1193	1196
3/15/2016 6:00	1028	1028	1193	1194
3/15/2016 7:00	1028	1028	1192	1194
3/15/2016 8:00	1028	1028	1191	1193
3/15/2016 9:00	1028	1028	1190	1191
3/15/2016 10:00	1027	1028	1190	1192
3/15/2016 11:00	1027	1027	1192	1194
3/15/2016 12:00	1026	1027	1186	1194
3/15/2016 13:00	1026	1027	1179	1186
3/15/2016 14:00	1025	1027	1174	1179
3/15/2016 15:00	1025	1025	1172	1181
3/15/2016 16:00	1025	1025	1172	1181
3/15/2016 17:00	1025	1025	1170	1177
3/15/2016 18:00	1025	1025	1177	1181
3/15/2016 19:00	1025	1025	1190	1195
3/15/2016 20:00	1025	1026	1195	1199
3/15/2016 21:00	1025	1026	1198	1199
3/15/2016 22:00	1025	1025	1197	1199
3/15/2016 23:00	1025	1025	1198	1200
3/16/2016 0:00	1025	1025	1200	1200
3/16/2016 1:00	1025	1025	1200	1200
3/16/2016 2:00	1024	1025	1200	1200
3/16/2016 3:00	1023	1024	1200	1200
3/16/2016 4:00	1023	1023	1200	1200
3/16/2016 5:00	1023	1023	1200	1200
3/16/2016 6:00	1023	1023	1200	1200
3/16/2016 7:00	1023	1023	1200	1200
3/16/2016 8:00	1023	1023	1196	1200
3/16/2016 9:00	1023	1023	1192	1196
3/16/2016 10:00	1023	1024	1192	1195
3/16/2016 11:00	1024	1025	1194	1200
3/16/2016 12:00	1025	1027	1199	1200
3/16/2016 13:00	1027	1027	1199	1200
3/16/2016 14:00	1027	1028	1198	1200
3/16/2016 15:00	1028	1028	1191	1198
3/16/2016 16:00	1028	1028	1185	1191
3/16/2016 17:00	1027	1028	1185	1187
3/16/2016 18:00	1027	1027	1187	1192
3/16/2016 19:00	1027	1027	1192	1194
3/16/2016 20:00	1027	1027	1194	1195
3/16/2016 21:00	1027	1030	1195	1197
3/16/2016 22:00	1030	1031	1197	1199
3/16/2016 23:00	1031	1031	1194	1199
3/17/2016 0:00	1031	1031	1194	1198
3/17/2016 1:00	1031	1031	1194	1198
3/17/2016 2:00	1031	1031	1197	1198
3/17/2016 3:00	1031	1032	1168	1197
3/17/2016 4:00	1032	1034	1161	1171
3/17/2016 5:00	1034	1034	1171	1200
3/17/2016 6:00	1031	1034	1200	1200
3/17/2016 7:00	1029	1031	1200	1200
3/17/2016 8:00	1028	1029	1200	1200
3/17/2016 9:00	1028	1028	1191	1200
3/17/2016 10:00	1028	1028	1186	1196

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
3/17/2016 11:00	1028	1028	1180	1186
3/17/2016 12:00	1028	1028	1180	1183
3/17/2016 13:00	1028	1028	1180	1181
3/17/2016 14:00	1027	1028	1181	1185
3/17/2016 15:00	1027	1027	1185	1187
3/17/2016 16:00	1027	1027	1182	1187
3/17/2016 17:00	1027	1027	1179	1182
3/17/2016 18:00	1027	1028	1179	1181
3/17/2016 19:00	1028	1028	1179	1181
3/17/2016 20:00	1027	1028	1179	1182
3/17/2016 21:00	1027	1027	1180	1182
3/17/2016 22:00	1027	1027	1179	1181
3/17/2016 23:00	1027	1027	1181	1182
3/18/2016 0:00	1027	1028	1178	1182
3/18/2016 1:00	1028	1030	1177	1178
3/18/2016 2:00	1030	1032	1176	1177
3/18/2016 3:00	1032	1032	1177	1187
3/18/2016 4:00	1032	1033	1174	1187
3/18/2016 5:00	1033	1033	1174	1179
3/18/2016 6:00	1029	1033	1178	1180
3/18/2016 7:00	1029	1029	1177	1179
3/18/2016 8:00	1028	1029	1174	1178
3/18/2016 9:00	1028	1028	1173	1175
3/18/2016 10:00	1027	1028	1171	1173
3/18/2016 11:00	1027	1027	1171	1173
3/18/2016 12:00	1027	1027	1166	1172
3/18/2016 13:00	1027	1028	1166	1168
3/18/2016 14:00	1028	1028	1163	1168
3/18/2016 15:00	1028	1030	1161	1163
3/18/2016 16:00	1030	1032	1157	1161
3/18/2016 17:00	1032	1032	1156	1159
3/18/2016 18:00	1031	1032	1158	1159
3/18/2016 19:00	1030	1031	1158	1160
3/18/2016 20:00	1029	1030	1159	1163
3/18/2016 21:00	1028	1028	1163	1164
3/18/2016 22:00	1027	1028	1164	1168
3/18/2016 23:00	1025	1027	1167	1168
3/19/2016 0:00	1024	1025	1167	1172
3/19/2016 1:00	1023	1024	1170	1172
3/19/2016 2:00	1023	1023	1172	1173
3/19/2016 3:00	1023	1023	1168	1173
3/19/2016 4:00	1023	1023	1168	1170
3/19/2016 5:00	1023	1023	1168	1169
3/19/2016 6:00	1023	1023	1168	1169
3/19/2016 7:00	1023	1023	1166	1168
3/19/2016 8:00	1023	1023	1166	1168
3/19/2016 9:00	1023	1023	1156	1167
3/19/2016 10:00	1023	1023	1164	1167
3/19/2016 11:00	1022	1023	1167	1169
3/19/2016 12:00	1022	1022	1169	1170
3/19/2016 13:00	1022	1022	1168	1169
3/19/2016 14:00	1022	1022	1168	1173
3/19/2016 15:00	1022	1022	1165	1168
3/19/2016 16:00	1022	1022	1163	1165
3/19/2016 17:00	1021	1022	1162	1163
3/19/2016 18:00	1021	1021	1162	1164
3/19/2016 19:00	1021	1021	1163	1164
3/19/2016 20:00	1021	1021	1160	1164
3/19/2016 21:00	1021	1021	1160	1161
3/19/2016 22:00	1021	1021	1161	1167
3/19/2016 23:00	1021	1021	1167	1172
3/20/2016 0:00	1021	1022	1170	1179
3/20/2016 1:00	1022	1023	1170	1178
3/20/2016 2:00	1023	1025	1172	1177
3/20/2016 3:00	1025	1027	1176	1177
3/20/2016 4:00	1027	1030	1175	1177
3/20/2016 5:00	1030	1032	1175	1177
3/20/2016 6:00	1032	1032	1176	1178
3/20/2016 7:00	1032	1032	1176	1178
3/20/2016 8:00	1032	1033	1176	1177
3/20/2016 9:00	1033	1033	1172	1177
3/20/2016 10:00	1033	1033	1171	1172
3/20/2016 11:00	1033	1033	1171	1174
3/20/2016 12:00	1032	1033	1172	1175
3/20/2016 13:00	1031	1032	1172	1174
3/20/2016 14:00	1030	1031	1171	1174
3/20/2016 15:00	1029	1030	1169	1171
3/20/2016 16:00	1028	1029	1164	1169
3/20/2016 17:00	1028	1028	1163	1166
3/20/2016 18:00	1027	1028	1166	1170
3/20/2016 19:00	1027	1027	1168	1170
3/20/2016 20:00	1027	1027	1170	1174
3/20/2016 21:00	1027	1027	1174	1176
3/20/2016 22:00	1027	1027	1175	1177
3/20/2016 23:00	1027	1028	1176	1180
3/21/2016 0:00	1028	1028	1179	1181
3/21/2016 1:00	1028	1028	1180	1181
3/21/2016 2:00	1028	1028	1179	1180
3/21/2016 3:00	1028	1028	1180	1181
3/21/2016 4:00	1028	1028	1180	1180
3/21/2016 5:00	1028	1028	1180	1182
3/21/2016 6:00	1028	1028	1178	1180
3/21/2016 7:00	1028	1028	1177	1182
3/21/2016 8:00	1028	1028	1177	1180
3/21/2016 9:00	1028	1028	1178	1180
3/21/2016 10:00	1028	1028	1178	1180
3/21/2016 11:00	1028	1028	1172	1179
3/21/2016 12:00	1027	1028	1158	1172
3/21/2016 13:00	1027	1027	1160	1165
3/21/2016 14:00	1027	1027	1165	1168

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
3/21/2016 15:00	1027	1028	1159	1167
3/21/2016 16:00	1028	1028	1159	1180
3/21/2016 17:00	1028	1028	1174	1176
3/21/2016 18:00	1028	1028	1172	1176
3/21/2016 19:00	1028	1028	1173	1178
3/21/2016 20:00	1028	1028	1176	1178
3/21/2016 21:00	1028	1028	1177	1182
3/21/2016 22:00	1028	1028	1182	1187
3/21/2016 23:00	1028	1028	1187	1190
3/22/2016 0:00	1028	1028	1190	1191
3/22/2016 1:00	1027	1028	1191	1191
3/22/2016 2:00	1027	1027	1191	1193
3/22/2016 3:00	1027	1027	1190	1193
3/22/2016 4:00	1027	1027	1189	1191
3/22/2016 5:00	1027	1027	1186	1189
3/22/2016 6:00	1027	1027	1185	1189
3/22/2016 7:00	1027	1027	1185	1192
3/22/2016 8:00	1027	1028	1187	1192
3/22/2016 9:00	1028	1028	1187	1188
3/22/2016 10:00	1028	1030	1184	1187
3/22/2016 11:00	1030	1033	1187	1189
3/22/2016 12:00	1033	1034	1187	1188
3/22/2016 13:00	1034	1035	1187	1188
3/22/2016 14:00	1035	1035	1188	1188
3/22/2016 15:00	1034	1035	1185	1188
3/22/2016 16:00	1031	1034	1184	1186
3/22/2016 17:00	1029	1031	1183	1184
3/22/2016 18:00	1028	1029	1183	1184
3/22/2016 19:00	1027	1028	1181	1183
3/22/2016 20:00	1026	1027	1174	1181
3/22/2016 21:00	1026	1026	1173	1175
3/22/2016 22:00	1026	1027	1173	1174
3/22/2016 23:00	1027	1027	1174	1177
3/23/2016 0:00	1026	1027	1177	1177
3/23/2016 1:00	1026	1026	1177	1177
3/23/2016 2:00	1026	1026	1177	1178
3/23/2016 3:00	1026	1026	1177	1177
3/23/2016 4:00	1026	1027	1176	1178
3/23/2016 5:00	1027	1027	1176	1176
3/23/2016 6:00	1027	1027	1176	1177
3/23/2016 7:00	1027	1027	1177	1178
3/23/2016 8:00	1027	1027	1178	1180
3/23/2016 9:00	1027	1027	1174	1180
3/23/2016 10:00	1027	1027	1174	1175
3/23/2016 11:00	1026	1027	1172	1174
3/23/2016 12:00	1026	1027	1170	1172
3/23/2016 13:00	1027	1027	1170	1174
3/23/2016 14:00	1026	1027	1171	1172
3/23/2016 15:00	1026	1026	1167	1172
3/23/2016 16:00	1026	1026	1168	1170
3/23/2016 17:00	1026	1026	1170	1171
3/23/2016 18:00	1026	1026	1170	1171
3/23/2016 19:00	1026	1026	1171	1172
3/23/2016 20:00	1026	1026	1172	1173
3/23/2016 21:00	1026	1027	1173	1174
3/23/2016 22:00	1027	1027	1173	1175
3/23/2016 23:00	1027	1027	1174	1175
3/24/2016 0:00	1027	1027	1175	1175
3/24/2016 1:00	1027	1027	1174	1175
3/24/2016 2:00	1027	1029	1174	1175
3/24/2016 3:00	1029	1029	1168	1174
3/24/2016 4:00	1029	1030	1167	1168
3/24/2016 5:00	1030	1030	1165	1167
3/24/2016 6:00	1030	1030	1163	1165
3/24/2016 7:00	1030	1030	1164	1164
3/24/2016 8:00	1030	1030	1162	1170
3/24/2016 9:00	1030	1030	1170	1172
3/24/2016 10:00	1030	1033	1170	1172
3/24/2016 11:00	1033	1035	1168	1170
3/24/2016 12:00	1034	1035	1167	1168
3/24/2016 13:00	1031	1034	1166	1167
3/24/2016 14:00	1029	1031	1164	1167
3/24/2016 15:00	1028	1029	1162	1164
3/24/2016 16:00	1028	1028	1158	1162
3/24/2016 17:00	1028	1028	1160	1161
3/24/2016 18:00	1028	1028	1161	1162
3/24/2016 19:00	1028	1028	1162	1165
3/24/2016 20:00	1028	1029	1164	1170
3/24/2016 21:00	1029	1029	1170	1174
3/24/2016 22:00	1029	1029	1174	1176
3/24/2016 23:00	1029	1029	1176	1178
3/25/2016 0:00	1029	1029	1178	1179
3/25/2016 1:00	1029	1029	1178	1179
3/25/2016 2:00	1029	1029	1179	1179
3/25/2016 3:00	1029	1029	1179	1180
3/25/2016 4:00	1029	1029	1179	1181
3/25/2016 5:00	1028	1029	1178	1181
3/25/2016 6:00	1028	1028	1177	1179
3/25/2016 7:00	1028	1028	1176	1179
3/25/2016 8:00	1028	1028	1175	1176
3/25/2016 9:00	1010	1028	1175	1176
3/25/2016 10:00	1010	1027	1174	1180
3/25/2016 11:00	1027	1028	1180	1182
3/25/2016 12:00	1028	1028	1180	1182
3/25/2016 13:00	1028	1029	1152	1180
3/25/2016 14:00	1029	1029	1152	1178
3/25/2016 15:00	1029	1029	1178	1181
3/25/2016 16:00	1029	1029	1178	1181
3/25/2016 17:00	1029	1029	1178	1179
3/25/2016 18:00	1029	1029	1179	1180

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
3/25/2016 19:00	1029	1029	1179	1180
3/25/2016 20:00	1029	1029	1179	1183
3/25/2016 21:00	1029	1029	1181	1183
3/25/2016 22:00	1029	1029	1181	1182
3/25/2016 23:00	1029	1029	1182	1188
3/26/2016 0:00	1029	1029	1187	1188
3/26/2016 1:00	1029	1029	1187	1189
3/26/2016 2:00	1029	1029	1189	1191
3/26/2016 3:00	1029	1029	1191	1192
3/26/2016 4:00	1029	1032	1192	1193
3/26/2016 5:00	1032	1034	1189	1193
3/26/2016 6:00	1034	1037	1189	1190
3/26/2016 7:00	1037	1038	1189	1190
3/26/2016 8:00	1036	1038	1188	1189
3/26/2016 9:00	1036	1036	1187	1188
3/26/2016 10:00	1034	1036	1187	1191
3/26/2016 11:00	1033	1034	1187	1191
3/26/2016 12:00	1033	1033	1186	1187
3/26/2016 13:00	1033	1034	1186	1187
3/26/2016 14:00	1034	1034	1186	1187
3/26/2016 15:00	1034	1034	1184	1186
3/26/2016 16:00	1034	1034	1184	1186
3/26/2016 17:00	1034	1034	1184	1187
3/26/2016 18:00	1034	1035	1181	1183
3/26/2016 19:00	1034	1035	1181	1186
3/26/2016 20:00	1034	1034	1186	1189
3/26/2016 21:00	1034	1034	1185	1188
3/26/2016 22:00	1034	1034	1184	1185
3/26/2016 23:00	1034	1034	1183	1184
3/27/2016 0:00	1034	1034	1184	1185
3/27/2016 1:00	1034	1034	1184	1185
3/27/2016 2:00	1034	1034	1180	1184
3/27/2016 3:00	1033	1034	1180	1181
3/27/2016 4:00	1033	1033	1177	1181
3/27/2016 5:00	1031	1033	1172	1177
3/27/2016 6:00	1029	1031	1172	1178
3/27/2016 7:00	1029	1029	1178	1182
3/27/2016 8:00	1028	1029	1179	1180
3/27/2016 9:00	1028	1028	1179	1185
3/27/2016 10:00	1028	1028	1185	1193
3/27/2016 11:00	1028	1028	1193	1195
3/27/2016 12:00	1028	1028	1192	1194
3/27/2016 13:00	1027	1028	1192	1196
3/27/2016 14:00	1027	1027	1193	1196
3/27/2016 15:00	1027	1027	1193	1195
3/27/2016 16:00	1027	1027	1194	1196
3/27/2016 17:00	1027	1027	1192	1196
3/27/2016 18:00	1026	1027	1192	1198
3/27/2016 19:00	1026	1026	1192	1196
3/27/2016 20:00	1026	1026	1196	1198
3/27/2016 21:00	1026	1026	1198	1198
3/27/2016 22:00	1026	1027	1198	1199
3/27/2016 23:00	1026	1027	1199	1200
3/28/2016 0:00	1026	1026	1199	1200
3/28/2016 1:00	1026	1026	1199	1200
3/28/2016 2:00	1026	1026	1200	1200
3/28/2016 3:00	1026	1026	1200	1200
3/28/2016 4:00	1026	1026	1200	1200
3/28/2016 5:00	1025	1026	1200	1200
3/28/2016 6:00	1025	1025	1200	1200
3/28/2016 7:00	1025	1025	1200	1200
3/28/2016 8:00	1025	1027	1200	1200
3/28/2016 9:00	1027	1028	1199	1200
3/28/2016 10:00	1028	1029	1199	1200
3/28/2016 11:00	1029	1029	1200	1200
3/28/2016 12:00	1029	1029	1200	1200
3/28/2016 13:00	1029	1029	1200	1200
3/28/2016 14:00	1029	1029	1200	1200
3/28/2016 15:00	1029	1029	1200	1200
3/28/2016 16:00	1029	1029	1200	1200
3/28/2016 17:00	1029	1030	1200	1200
3/28/2016 18:00	1030	1030	1200	1200
3/28/2016 19:00	1030	1030	1200	1200
3/28/2016 20:00	1030	1030	1200	1200
3/28/2016 21:00	1030	1030	1200	1200
3/28/2016 22:00	1030	1030	1197	1200
3/28/2016 23:00	1030	1030	1197	1198
3/29/2016 0:00	1030	1030	1198	1198
3/29/2016 1:00	1030	1030	1197	1198
3/29/2016 2:00	1030	1030	1194	1197
3/29/2016 3:00	1030	1030	1193	1194
3/29/2016 4:00	1030	1030	1194	1194
3/29/2016 5:00	1030	1030	1193	1194
3/29/2016 6:00	1030	1030	1194	1194
3/29/2016 7:00	1030	1030	1194	1195
3/29/2016 8:00	1030	1030	1192	1194
3/29/2016 9:00	1030	1030	1192	1193
3/29/2016 10:00	1030	1030	1193	1194
3/29/2016 11:00	1030	1030	1193	1194
3/29/2016 12:00	1030	1030	1194	1195
3/29/2016 13:00	1030	1030	1193	1194
3/29/2016 14:00	1030	1030	1193	1198
3/29/2016 15:00	1030	1030	1194	1198
3/29/2016 16:00	1030	1030	1193	1194
3/29/2016 17:00	1030	1030	1192	1193
3/29/2016 18:00	1030	1031	1193	1196
3/29/2016 19:00	1031	1031	1195	1196
3/29/2016 20:00	1031	1031	1195	1195
3/29/2016 21:00	1031	1031	1195	1195
3/29/2016 22:00	1031	1031	1195	1195
3/29/2016 23:00	1031	1031	1195	1195

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
3/30/2016 0:00	1031	1031	1193	1195
3/30/2016 1:00	1031	1031	1193	1197
3/30/2016 2:00	1031	1031	1197	1197
3/30/2016 3:00	1031	1031	1197	1200
3/30/2016 4:00	1031	1031	1198	1200
3/30/2016 5:00	1031	1031	1198	1199
3/30/2016 6:00	1031	1032	1197	1199
3/30/2016 7:00	1032	1032	1197	1199
3/30/2016 8:00	1032	1032	1196	1198
3/30/2016 9:00	1032	1032	1196	1198
3/30/2016 10:00	1032	1032	1196	1196
3/30/2016 11:00	1032	1032	1196	1197
3/30/2016 12:00	1032	1032	1195	1197
3/30/2016 13:00	1032	1032	1197	1198
3/30/2016 14:00	1032	1032	1196	1197
3/30/2016 15:00	1032	1032	1196	1197
3/30/2016 16:00	1032	1032	1196	1199
3/30/2016 17:00	1032	1032	1196	1199
3/30/2016 18:00	1032	1032	1196	1196
3/30/2016 19:00	1032	1032	1196	1197
3/30/2016 20:00	1032	1032	1196	1197
3/30/2016 21:00	1032	1032	1196	1197
3/30/2016 22:00	1032	1032	1196	1197
3/30/2016 23:00	1031	1032	1195	1196
3/31/2016 0:00	1031	1031	1194	1196
3/31/2016 1:00	1031	1031	1194	1196
3/31/2016 2:00	1031	1031	1193	1197
3/31/2016 3:00	1031	1031	1197	1200
3/31/2016 4:00	1031	1031	1196	1198
3/31/2016 5:00	1031	1031	1197	1199
3/31/2016 6:00	1031	1031	1197	1199
3/31/2016 7:00	1031	1031	1196	1198
3/31/2016 8:00	1031	1031	1196	1197
3/31/2016 9:00	1031	1031	1195	1197
3/31/2016 10:00	1031	1032	1196	1197
3/31/2016 11:00	1032	1032	1196	1197
3/31/2016 12:00	1032	1032	1197	1200
3/31/2016 13:00	1032	1033	1195	1200
3/31/2016 14:00	1033	1033	1195	1200
3/31/2016 15:00	1033	1033	1196	1200
3/31/2016 16:00	1033	1033	1190	1196
3/31/2016 17:00	1033	1033	1190	1191
3/31/2016 18:00	1033	1033	1190	1191
3/31/2016 19:00	1032	1033	1188	1191
3/31/2016 20:00	1032	1032	1188	1193
3/31/2016 21:00	1032	1032	1189	1193
3/31/2016 22:00	1032	1032	1191	1192
3/31/2016 23:00	1032	1032	1191	1193
	Min (Btu/cf)	Max (Btu/cf)	Min (Btu/cf)	Max (Btu/cf)
	1010	1044	1123	1200