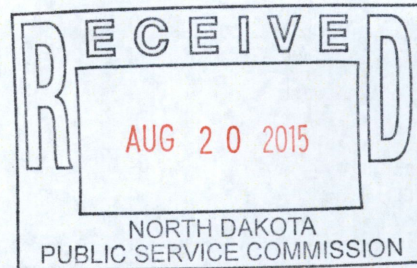




825 Rice Street  
Saint Paul, MN 55117

August 20, 2015



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 July 2015 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,

Heather Risley  
Manager, Gas 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
7/1/2015 10:00	1023	1023	1197	1199
7/1/2015 11:00	1023	1023	1195	1197
7/1/2015 12:00	1023	1023	1194	1196
7/1/2015 13:00	1023	1023	1194	1196
7/1/2015 14:00	1023	1023	1194	1196
7/1/2015 15:00	1023	1023	1189	1195
7/1/2015 16:00	1023	1024	1189	1193
7/1/2015 17:00	1024	1026	1191	1193
7/1/2015 18:00	1026	1027	1190	1191
7/1/2015 19:00	1027	1029	1190	1191
7/1/2015 20:00	1029	1029	1189	1191
7/1/2015 21:00	1027	1029	1180	1190
7/1/2015 22:00	1026	1027	1179	1183
7/1/2015 23:00	1025	1026	1171	1183
7/2/2015 0:00	1024	1025	1182	1185
7/2/2015 1:00	1024	1024	1185	1188
7/2/2015 2:00	1024	1024	1180	1188
7/2/2015 3:00	1024	1024	1178	1182
7/2/2015 4:00	1024	1024	1182	1188
7/2/2015 5:00	1024	1024	1186	1188
7/2/2015 6:00	1024	1024	1185	1187
7/2/2015 7:00	1024	1025	1187	1191
7/2/2015 8:00	1025	1025	1188	1191
7/2/2015 9:00	1025	1025	1188	1190
7/2/2015 10:00	1025	1025	1188	1191
7/2/2015 11:00	1024	1025	1191	1193
7/2/2015 12:00	1024	1024	1193	1194
7/2/2015 13:00	1024	1024	1191	1194
7/2/2015 14:00	1024	1024	1191	1192
7/2/2015 15:00	1024	1024	1192	1198
7/2/2015 16:00	1024	1024	1198	1200
7/2/2015 17:00	1024	1026	1197	1200
7/2/2015 18:00	1026	1026	1194	1197
7/2/2015 19:00	1026	1027	1193	1194
7/2/2015 20:00	1027	1028	1192	1193
7/2/2015 21:00	1028	1028	1193	1195
7/2/2015 22:00	1028	1029	1194	1195
7/2/2015 23:00	1029	1030	1195	1197
7/3/2015 0:00	1030	1030	1195	1197
7/3/2015 1:00	1030	1031	1196	1197
7/3/2015 2:00	1031	1032	1195	1196
7/3/2015 3:00	1032	1033	1194	1195
7/3/2015 4:00	1033	1033	1193	1195
7/3/2015 5:00	1033	1033	1195	1197
7/3/2015 6:00	1033	1033	1197	1200
7/3/2015 7:00	1033	1033	1200	1200
7/3/2015 8:00	1033	1034	1200	1200
7/3/2015 9:00	1034	1034	1200	1200
7/3/2015 10:00	1034	1034	1200	1200
7/3/2015 11:00	1034	1034	1200	1200
7/3/2015 12:00	1034	1034	1200	1200
7/3/2015 13:00	1033	1034	1200	1200
7/3/2015 14:00	1032	1033	1200	1200
7/3/2015 15:00	1031	1032	1200	1200
7/3/2015 16:00	1030	1031	1200	1200
7/3/2015 17:00	1030	1030	1200	1200
7/3/2015 18:00	1030	1030	1200	1200
7/3/2015 19:00	1030	1031	1200	1200
7/3/2015 20:00	1031	1031	1200	1200
7/3/2015 21:00	1031	1033	1200	1200
7/3/2015 22:00	1033	1034	1200	1200
7/3/2015 23:00	1034	1034	1200	1200
7/4/2015 0:00	1034	1034	1200	1200
7/4/2015 1:00	1034	1038	1200	1200
7/4/2015 2:00	1038	1038	1200	1200
7/4/2015 3:00	1037	1038	1200	1200
7/4/2015 4:00	1035	1037	1200	1200

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/4/2015 5:00	1032	1035	1200	1200
7/4/2015 6:00	1030	1032	1200	1200
7/4/2015 7:00	1029	1030	1200	1200
7/4/2015 8:00	1028	1029	1200	1200
7/4/2015 9:00	1026	1028	1200	1200
7/4/2015 10:00	1025	1026	1200	1200
7/4/2015 11:00	1024	1025	1200	1200
7/4/2015 12:00	1024	1025	1200	1200
7/4/2015 13:00	1025	1025	1195	1200
7/4/2015 14:00	1025	1025	1193	1199
7/4/2015 15:00	1025	1025	1191	1199
7/4/2015 16:00	1025	1025	1191	1193
7/4/2015 17:00	1025	1025	1193	1198
7/4/2015 18:00	1025	1025	1191	1195
7/4/2015 19:00	1025	1025	1192	1194
7/4/2015 20:00	1025	1026	1189	1194
7/4/2015 21:00	1026	1027	1189	1193
7/4/2015 22:00	1027	1028	1188	1193
7/4/2015 23:00	1028	1028	1188	1190
7/5/2015 0:00	1027	1028	1189	1191
7/5/2015 1:00	1027	1028	1191	1193
7/5/2015 2:00	1028	1029	1192	1193
7/5/2015 3:00	1029	1029	1192	1200
7/5/2015 4:00	1029	1029	1191	1192
7/5/2015 5:00	1029	1029	1190	1192
7/5/2015 6:00	1029	1029	1189	1190
7/5/2015 7:00	1029	1030	1189	1193
7/5/2015 8:00	1030	1030	1190	1191
7/5/2015 9:00	1030	1030	1190	1191
7/5/2015 10:00	1030	1030	1188	1191
7/5/2015 11:00	1029	1030	1188	1192
7/5/2015 12:00	1029	1029	1189	1192
7/5/2015 13:00	1029	1029	1184	1189
7/5/2015 14:00	1029	1029	1181	1184
7/5/2015 15:00	1029	1029	1181	1185
7/5/2015 16:00	1029	1029	1184	1189
7/5/2015 17:00	1029	1030	1188	1190
7/5/2015 18:00	1030	1030	1188	1189
7/5/2015 19:00	1030	1030	1187	1189
7/5/2015 20:00	1030	1030	1188	1189
7/5/2015 21:00	1030	1030	1188	1192
7/5/2015 22:00	1030	1030	1192	1194
7/5/2015 23:00	1030	1030	1194	1198
7/6/2015 0:00	1030	1030	1195	1198
7/6/2015 1:00	1030	1030	1193	1197
7/6/2015 2:00	1029	1030	1192	1193
7/6/2015 3:00	1029	1029	1191	1192
7/6/2015 4:00	1029	1029	1191	1194
7/6/2015 5:00	1029	1029	1191	1192
7/6/2015 6:00	1029	1029	1191	1193
7/6/2015 7:00	1029	1029	1191	1192
7/6/2015 8:00	1029	1029	1192	1194
7/6/2015 9:00	1029	1029	1190	1194
7/6/2015 10:00	1029	1029	1189	1191
7/6/2015 11:00	1029	1029	1190	1191
7/6/2015 12:00	1028	1029	1190	1191
7/6/2015 13:00	1028	1028	1191	1192
7/6/2015 14:00	1026	1028	1162	1192
7/6/2015 15:00	1025	1026	1162	1183
7/6/2015 16:00	1023	1025	1183	1198
7/6/2015 17:00	1022	1023	1183	1198
7/6/2015 18:00	1021	1022	1183	1189
7/6/2015 19:00	1021	1021	1188	1189
7/6/2015 20:00	1021	1021	1184	1189
7/6/2015 21:00	1021	1021	1184	1186
7/6/2015 22:00	1021	1021	1186	1188
7/6/2015 23:00	1021	1021	1184	1186
7/7/2015 0:00	1021	1022	1184	1187
7/7/2015 1:00	1022	1023	1186	1188
7/7/2015 2:00	1023	1024	1187	1188
7/7/2015 3:00	1024	1025	1187	1188
7/7/2015 4:00	1025	1025	1188	1190
7/7/2015 5:00	1025	1026	1190	1192
7/7/2015 6:00	1026	1026	1189	1191
7/7/2015 7:00	1026	1026	1188	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
7/7/2015 8:00	1025	1026	1188	1189
7/7/2015 9:00	1025	1025	1188	1189
7/7/2015 10:00	1025	1025	1187	1189
7/7/2015 11:00	1025	1025	1187	1189
7/7/2015 12:00	1025	1025	1184	1186
7/7/2015 13:00	1024	1025	1182	1183
7/7/2015 14:00	1023	1024	1181	1182
7/7/2015 15:00	1021	1023	1179	1181
7/7/2015 16:00	1021	1021	1180	1181
7/7/2015 17:00	1020	1021	1181	1182
7/7/2015 18:00	1020	1020	1181	1184
7/7/2015 19:00	1019	1020	1184	1184
7/7/2015 20:00	1019	1019	1180	1184
7/7/2015 21:00	1019	1019	1182	1190
7/7/2015 22:00	1019	1019	1190	1191
7/7/2015 23:00	1019	1019	1179	1191
7/8/2015 0:00	1019	1019	1179	1188
7/8/2015 1:00	1018	1019	1184	1188
7/8/2015 2:00	1018	1018	1184	1184
7/8/2015 3:00	1018	1019	1181	1184
7/8/2015 4:00	1019	1019	1181	1182
7/8/2015 5:00	1019	1020	1182	1182
7/8/2015 6:00	1020	1020	1182	1182
7/8/2015 7:00	1020	1020	1180	1182
7/8/2015 8:00	1020	1020	1182	1183
7/8/2015 9:00	1020	1021	1178	1183
7/8/2015 10:00	1021	1021	1178	1181
7/8/2015 11:00	1021	1021	1181	1181
7/8/2015 12:00	1021	1021	1181	1182
7/8/2015 13:00	1021	1021	1159	1174
7/8/2015 14:00	1021	1021	1157	1170
7/8/2015 15:00	1021	1021	1141	1158
7/8/2015 16:00	1020	1021	1141	1151
7/8/2015 17:00	1019	1020	1151	1152
7/8/2015 18:00	1019	1019	1158	1163
7/8/2015 19:00	1018	1019	1165	1165
7/8/2015 20:00	1018	1018	1163	1166
7/8/2015 21:00	1017	1018	1166	1169
7/8/2015 22:00	1017	1017	1168	1169
7/8/2015 23:00	1017	1018	1168	1169
7/9/2015 0:00	1018	1018	1168	1170
7/9/2015 1:00	1018	1019	1169	1173
7/9/2015 2:00	1019	1021	1170	1173
7/9/2015 3:00	1021	1022	1168	1174
7/9/2015 4:00	1022	1023	1174	1176
7/9/2015 5:00	1023	1024	1172	1175
7/9/2015 6:00	1024	1025	1172	1178
7/9/2015 7:00	1025	1025	1178	1183
7/9/2015 8:00	1025	1025	1183	1183
7/9/2015 9:00	1025	1025	1187	1191
7/9/2015 10:00	1024	1025	1190	1195
7/9/2015 11:00	1023	1024	1195	1195
7/9/2015 12:00	1022	1023	1192	1195
7/9/2015 13:00	1021	1022	1191	1192
7/9/2015 14:00	1021	1021	1191	1192
7/9/2015 15:00	1020	1021	1192	1196
7/9/2015 16:00	1020	1020	1193	1197
7/9/2015 17:00	1020	1020	1193	1193
7/9/2015 18:00	1019	1020	1193	1194
7/9/2015 19:00	1019	1019	1192	1194
7/9/2015 20:00	1019	1019	1190	1193
7/9/2015 21:00	1019	1019	1189	1193
7/9/2015 22:00	1019	1019	1192	1193
7/9/2015 23:00	1019	1020	1192	1193
7/10/2015 0:00	1020	1020	1190	1193
7/10/2015 1:00	1020	1021	1190	1193
7/10/2015 2:00	1021	1021	1191	1193
7/10/2015 3:00	1021	1021	1191	1193
7/10/2015 4:00	1021	1021	1192	1193
7/10/2015 5:00	1021	1021	1191	1192
7/10/2015 6:00	1021	1022	1190	1192
7/10/2015 7:00	1022	1022	1190	1191
7/10/2015 8:00	1021	1022	1191	1191
7/10/2015 9:00	1020	1021	1190	1191
7/10/2015 10:00	1020	1020	1190	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
7/10/2015 11:00	1019	1020	1190	1198
7/10/2015 12:00	1019	1019	1198	1199
7/10/2015 13:00	1019	1019	1198	1200
7/10/2015 14:00	1018	1019	1200	1200
7/10/2015 15:00	1018	1018	1200	1200
7/10/2015 16:00	1017	1018	1197	1200
7/10/2015 17:00	1017	1017	1194	1198
7/10/2015 18:00	1017	1017	1193	1196
7/10/2015 19:00	1017	1017	1192	1193
7/10/2015 20:00	1017	1017	1192	1194
7/10/2015 21:00	1017	1017	1194	1200
7/10/2015 22:00	1016	1017	1200	1200
7/10/2015 23:00	1016	1017	1198	1200
7/11/2015 0:00	1017	1017	1196	1199
7/11/2015 1:00	1017	1018	1196	1199
7/11/2015 2:00	1018	1018	1196	1198
7/11/2015 3:00	1018	1018	1193	1198
7/11/2015 4:00	1018	1018	1193	1198
7/11/2015 5:00	1018	1018	1198	1199
7/11/2015 6:00	1018	1018	1197	1199
7/11/2015 7:00	1018	1018	1197	1200
7/11/2015 8:00	1018	1018	1197	1200
7/11/2015 9:00	1018	1018	1197	1200
7/11/2015 10:00	1017	1018	1198	1200
7/11/2015 11:00	1017	1017	1195	1198
7/11/2015 12:00	1017	1017	1198	1200
7/11/2015 13:00	1017	1017	1192	1200
7/11/2015 14:00	1017	1017	1192	1192
7/11/2015 15:00	1017	1017	1190	1192
7/11/2015 16:00	1017	1017	1191	1193
7/11/2015 17:00	1017	1017	1191	1195
7/11/2015 18:00	1017	1017	1195	1200
7/11/2015 19:00	1017	1017	1200	1200
7/11/2015 20:00	1017	1017	1200	1200
7/11/2015 21:00	1017	1017	1200	1200
7/11/2015 22:00	1017	1017	1200	1200
7/11/2015 23:00	1017	1017	1200	1200
7/12/2015 0:00	1017	1017	1200	1200
7/12/2015 1:00	1017	1017	1197	1200
7/12/2015 2:00	1017	1017	1197	1199
7/12/2015 3:00	1017	1017	1198	1199
7/12/2015 4:00	1017	1017	1198	1200
7/12/2015 5:00	1017	1017	1199	1200
7/12/2015 6:00	1017	1017	1200	1200
7/12/2015 7:00	1017	1018	1200	1200
7/12/2015 8:00	1018	1018	1200	1200
7/12/2015 9:00	1018	1018	1200	1200
7/12/2015 10:00	1018	1018	1200	1200
7/12/2015 11:00	1018	1018	1200	1200
7/12/2015 12:00	1018	1018	1200	1200
7/12/2015 13:00	1018	1018	1200	1200
7/12/2015 14:00	1018	1018	1200	1200
7/12/2015 15:00	1018	1018	1200	1200
7/12/2015 16:00	1018	1018	1200	1200
7/12/2015 17:00	1018	1018	1200	1200
7/12/2015 18:00	1018	1018	1200	1200
7/12/2015 19:00	1018	1018	1200	1200
7/12/2015 20:00	1018	1018	1200	1200
7/12/2015 21:00	1018	1018	1200	1200
7/12/2015 22:00	1018	1018	1200	1200
7/12/2015 23:00	1018	1018	1200	1200
7/13/2015 0:00	1018	1018	1200	1200
7/13/2015 1:00	1018	1018	1200	1200
7/13/2015 2:00	1018	1018	1200	1200
7/13/2015 3:00	1018	1018	1200	1200
7/13/2015 4:00	1018	1018	1200	1200
7/13/2015 5:00	1018	1018	1200	1200
7/13/2015 6:00	1018	1018	1200	1200
7/13/2015 7:00	1018	1018	1200	1200
7/13/2015 8:00	1018	1018	1200	1200
7/13/2015 9:00	1018	1018	1200	1200
7/13/2015 10:00	1018	1018	1200	1200
7/13/2015 11:00	1018	1018	1200	1200
7/13/2015 12:00	1018	1018	1200	1200
7/13/2015 13:00	1018	1018	1200	1200

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

Date/Time	Viking Gas Transmission ( Fargo )		Williston Basin Interstate ( Mapleton )	
	Min BTU	Max BTU	Min BTU	Max BTU
7/13/2015 14:00	1018	1018	1200	1200
7/13/2015 15:00	1018	1018	1200	1200
7/13/2015 16:00	1018	1018	1200	1200
7/13/2015 17:00	1018	1018	1200	1200
7/13/2015 18:00	1018	1018	1200	1200
7/13/2015 19:00	1018	1018	1200	1200
7/13/2015 20:00	1018	1018	1200	1200
7/13/2015 21:00	1018	1018	1200	1200
7/13/2015 22:00	1018	1018	1200	1200
7/13/2015 23:00	1018	1018	1200	1200
7/14/2015 0:00	1018	1018	1200	1200
7/14/2015 1:00	1018	1018	1200	1200
7/14/2015 2:00	1018	1018	1200	1200
7/14/2015 3:00	1018	1018	1200	1200
7/14/2015 4:00	1018	1018	1200	1200
7/14/2015 5:00	1018	1018	1200	1200
7/14/2015 6:00	1017	1018	1200	1200
7/14/2015 7:00	1017	1017	1200	1200
7/14/2015 8:00	1017	1017	1200	1200
7/14/2015 9:00	1017	1017	1200	1200
7/14/2015 10:00	1017	1017	1200	1200
7/14/2015 11:00	1017	1017	1200	1200
7/14/2015 12:00	1017	1017	1200	1200
7/14/2015 13:00	1017	1017	1200	1200
7/14/2015 14:00	1017	1017	1200	1200
7/14/2015 15:00	1017	1018	1200	1200
7/14/2015 16:00	1018	1018	1200	1200
7/14/2015 17:00	1018	1018	1200	1200
7/14/2015 18:00	1018	1018	1200	1200
7/14/2015 19:00	1018	1018	1200	1200
7/14/2015 20:00	1018	1018	1200	1200
7/14/2015 21:00	1018	1018	1200	1200
7/14/2015 22:00	1017	1018	1200	1200
7/14/2015 23:00	1017	1018	1198	1200
7/15/2015 0:00	1018	1018	1200	1200
7/15/2015 1:00	1017	1018	1200	1200
7/15/2015 2:00	1017	1017	1200	1200
7/15/2015 3:00	1017	1017	1200	1200
7/15/2015 4:00	1017	1017	1199	1200
7/15/2015 5:00	1017	1017	1197	1199
7/15/2015 6:00	1017	1017	1197	1198
7/15/2015 7:00	1017	1017	1198	1200
7/15/2015 8:00	1017	1018	1200	1200
7/15/2015 9:00	1018	1018	1200	1200
7/15/2015 10:00	1018	1018	1200	1200
7/15/2015 11:00	1018	1018	1200	1200
7/15/2015 12:00	1018	1018	1200	1200
7/15/2015 13:00	1018	1018	1200	1200
7/15/2015 14:00	1018	1018	1200	1200
7/15/2015 15:00	1018	1018	1200	1200
7/15/2015 16:00	1018	1018	1200	1200
7/15/2015 17:00	1018	1018	1200	1200
7/15/2015 18:00	1018	1018	1200	1200
7/15/2015 19:00	1018	1018	1200	1200
7/15/2015 20:00	1018	1021	1200	1200
7/15/2015 21:00	1021	1021	1200	1200
7/15/2015 22:00	1021	1021	1200	1200
7/15/2015 23:00	1021	1021	1200	1200
7/16/2015 0:00	1021	1021	1200	1200
7/16/2015 1:00	1020	1021	1200	1200
7/16/2015 2:00	1020	1020	1200	1200
7/16/2015 3:00	1020	1020	1200	1200
7/16/2015 4:00	1020	1020	1200	1200
7/16/2015 5:00	1020	1020	1200	1200
7/16/2015 6:00	1020	1020	1200	1200
7/16/2015 7:00	1019	1020	1200	1200
7/16/2015 8:00	1019	1019	1200	1200
7/16/2015 9:00	1019	1019	1200	1200
7/16/2015 10:00	1019	1019	1200	1200
7/16/2015 11:00	1019	1019	1200	1200
7/16/2015 12:00	1019	1019	1200	1200
7/16/2015 13:00	1019	1019	1200	1200
7/16/2015 14:00	1019	1019	1200	1200
7/16/2015 15:00	1019	1020	1200	1200
7/16/2015 16:00	1020	1020	1200	1200

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/16/2015 17:00	1020	1020	1200	1200
7/16/2015 18:00	1020	1020	1200	1200
7/16/2015 19:00	1020	1020	1200	1200
7/16/2015 20:00	1020	1020	1200	1200
7/16/2015 21:00	1020	1020	1200	1200
7/16/2015 22:00	1020	1021	1200	1200
7/16/2015 23:00	1021	1021	1200	1200
7/17/2015 0:00	1021	1021	1200	1200
7/17/2015 1:00	1021	1021	1200	1200
7/17/2015 2:00	1021	1021	1200	1200
7/17/2015 3:00	1021	1021	1200	1200
7/17/2015 4:00	1021	1021	1200	1200
7/17/2015 5:00	1021	1022	1200	1200
7/17/2015 6:00	1022	1022	1200	1200
7/17/2015 7:00	1022	1023	1200	1200
7/17/2015 8:00	1023	1023	1200	1200
7/17/2015 9:00	1023	1025	1200	1200
7/17/2015 10:00	1025	1025	1200	1200
7/17/2015 11:00	1025	1025	1200	1200
7/17/2015 12:00	1024	1025	1200	1200
7/17/2015 13:00	1023	1024	1200	1200
7/17/2015 14:00	1022	1023	1200	1200
7/17/2015 15:00	1021	1022	1200	1200
7/17/2015 16:00	1020	1021	1200	1200
7/17/2015 17:00	1020	1020	1200	1200
7/17/2015 18:00	1019	1020	1200	1200
7/17/2015 19:00	1019	1019	1200	1200
7/17/2015 20:00	1018	1019	1200	1200
7/17/2015 21:00	1018	1018	1200	1200
7/17/2015 22:00	1018	1018	1200	1200
7/17/2015 23:00	1017	1018	1200	1200
7/18/2015 0:00	1017	1017	1200	1200
7/18/2015 1:00	1017	1017	1200	1200
7/18/2015 2:00	1017	1020	1200	1200
7/18/2015 3:00	1020	1034	1200	1200
7/18/2015 4:00	1034	1042	1200	1200
7/18/2015 5:00	1042	1054	1200	1200
7/18/2015 6:00	1054	1057	1200	1200
7/18/2015 7:00	1057	1057	1200	1200
7/18/2015 8:00	1057	1057	1200	1200
7/18/2015 9:00	1057	1057	1200	1200
7/18/2015 10:00	1057	1057	1200	1200
7/18/2015 11:00	1057	1057	1200	1200
7/18/2015 12:00	1057	1057	1200	1200
7/18/2015 13:00	1057	1057	1200	1200
7/18/2015 14:00	1057	1058	1200	1200
7/18/2015 15:00	1058	1058	1193	1200
7/18/2015 16:00	1058	1058	1189	1193
7/18/2015 17:00	1058	1058	1191	1192
7/18/2015 18:00	1057	1058	1190	1192
7/18/2015 19:00	1057	1057	1189	1192
7/18/2015 20:00	1057	1057	1189	1189
7/18/2015 21:00	1057	1057	1189	1191
7/18/2015 22:00	1057	1057	1190	1193
7/18/2015 23:00	1057	1057	1191	1193
7/19/2015 0:00	1057	1057	1193	1194
7/19/2015 1:00	1057	1057	1193	1195
7/19/2015 2:00	1057	1057	1193	1195
7/19/2015 3:00	1056	1057	1193	1195
7/19/2015 4:00	1056	1056	1194	1196
7/19/2015 5:00	1056	1057	1194	1197
7/19/2015 6:00	1056	1057	1195	1197
7/19/2015 7:00	1056	1056	1195	1197
7/19/2015 8:00	1056	1057	1195	1197
7/19/2015 9:00	1056	1057	1195	1196
7/19/2015 10:00	1056	1056	1195	1199
7/19/2015 11:00	1056	1057	1199	1200
7/19/2015 12:00	1056	1057	1200	1200
7/19/2015 13:00	1056	1056	1200	1200
7/19/2015 14:00	1056	1056	1200	1200
7/19/2015 15:00	1056	1056	1199	1200
7/19/2015 16:00	1056	1056	1198	1199
7/19/2015 17:00	1056	1056	1198	1200
7/19/2015 18:00	1056	1056	1200	1200
7/19/2015 19:00	1056	1056	1200	1200

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/19/2015 20:00	1056	1056	1200	1200
7/19/2015 21:00	1056	1056	1200	1200
7/19/2015 22:00	1056	1056	1200	1200
7/19/2015 23:00	1056	1056	1200	1200
7/20/2015 0:00	1056	1056	1200	1200
7/20/2015 1:00	1056	1056	1200	1200
7/20/2015 2:00	1056	1056	1200	1200
7/20/2015 3:00	1056	1056	1200	1200
7/20/2015 4:00	1056	1056	1200	1200
7/20/2015 5:00	1056	1056	1200	1200
7/20/2015 6:00	1056	1056	1200	1200
7/20/2015 7:00	1056	1056	1200	1200
7/20/2015 8:00	1055	1056	1200	1200
7/20/2015 9:00	1055	1055	1200	1200
7/20/2015 10:00	1055	1055	1200	1200
7/20/2015 11:00	1055	1055	1200	1200
7/20/2015 12:00	1055	1055	1200	1200
7/20/2015 13:00	1055	1055	1200	1200
7/20/2015 14:00	1055	1055	1198	1200
7/20/2015 15:00	1054	1055	1195	1198
7/20/2015 16:00	1054	1054	1193	1195
7/20/2015 17:00	1054	1055	1193	1194
7/20/2015 18:00	1055	1055	1193	1198
7/20/2015 19:00	1055	1056	1196	1199
7/20/2015 20:00	1056	1056	1185	1196
7/20/2015 21:00	1056	1056	1185	1197
7/20/2015 22:00	1055	1056	1196	1197
7/20/2015 23:00	1055	1055	1194	1196
7/21/2015 0:00	1055	1055	1195	1197
7/21/2015 1:00	1055	1055	1196	1198
7/21/2015 2:00	1055	1055	1196	1197
7/21/2015 3:00	1055	1055	1197	1197
7/21/2015 4:00	1055	1055	1195	1197
7/21/2015 5:00	1055	1055	1195	1200
7/21/2015 6:00	1055	1055	1199	1200
7/21/2015 7:00	1055	1055	1199	1200
7/21/2015 8:00	1054	1055	1198	1199
7/21/2015 9:00	1054	1054	1198	1200
7/21/2015 10:00	1053	1054	1200	1200
7/21/2015 11:00	1053	1053	1200	1200
7/21/2015 12:00	1053	1054	1200	1200
7/21/2015 13:00	1054	1055	1200	1200
7/21/2015 14:00	1055	1056	1200	1200
7/21/2015 15:00	1055	1056	1200	1200
7/21/2015 16:00	1055	1055	1200	1200
7/21/2015 17:00	1053	1055	1200	1200
7/21/2015 18:00	1052	1053	1200	1200
7/21/2015 19:00	1050	1052	1200	1200
7/21/2015 20:00	1049	1050	1200	1200
7/21/2015 21:00	1049	1049	1200	1200
7/21/2015 22:00	1049	1049	1200	1200
7/21/2015 23:00	1049	1054	1200	1200
7/22/2015 0:00	1054	1057	1200	1200
7/22/2015 1:00	1057	1058	1200	1200
7/22/2015 2:00	1058	1058	1196	1200
7/22/2015 3:00	1058	1058	1196	1197
7/22/2015 4:00	1057	1058	1197	1198
7/22/2015 5:00	1056	1057	1196	1198
7/22/2015 6:00	1055	1056	1192	1196
7/22/2015 7:00	1054	1055	1192	1198
7/22/2015 8:00	1053	1054	1194	1198
7/22/2015 9:00	1052	1053	1193	1195
7/22/2015 10:00	1051	1052	1193	1195
7/22/2015 11:00	1051	1051	1193	1198
7/22/2015 12:00	1051	1052	1198	1200
7/22/2015 13:00	1052	1053	1200	1200
7/22/2015 14:00	1053	1055	1190	1200
7/22/2015 15:00	1055	1059	1190	1194
7/22/2015 16:00	1059	1061	1190	1192
7/22/2015 17:00	1061	1062	1190	1192
7/22/2015 18:00	1060	1062	1191	1193
7/22/2015 19:00	1058	1060	1189	1193
7/22/2015 20:00	1057	1058	1187	1190
7/22/2015 21:00	1056	1057	1188	1190
7/22/2015 22:00	1056	1056	1190	1198

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/22/2015 23:00	1056	1056	1198	1200
7/23/2015 0:00	1056	1056	1200	1200
7/23/2015 1:00	1056	1057	1200	1200
7/23/2015 2:00	1057	1057	1200	1200
7/23/2015 3:00	1057	1058	1200	1200
7/23/2015 4:00	1058	1059	1200	1200
7/23/2015 5:00	1059	1059	1200	1200
7/23/2015 6:00	1059	1059	1200	1200
7/23/2015 7:00	1059	1060	1200	1200
7/23/2015 8:00	1059	1060	1200	1200
7/23/2015 9:00	1059	1059	1200	1200
7/23/2015 10:00	1059	1059	1200	1200
7/23/2015 11:00	1058	1059	1200	1200
7/23/2015 12:00	1058	1058	1200	1200
7/23/2015 13:00	1058	1058	1200	1200
7/23/2015 14:00	1058	1059	1200	1200
7/23/2015 15:00	1059	1059	1200	1200
7/23/2015 16:00	1059	1060	1200	1200
7/23/2015 17:00	1059	1060	1200	1200
7/23/2015 18:00	1059	1059	1200	1200
7/23/2015 19:00	1058	1059	1200	1200
7/23/2015 20:00	1058	1058	1200	1200
7/23/2015 21:00	1058	1058	1200	1200
7/23/2015 22:00	1058	1059	1200	1200
7/23/2015 23:00	1059	1059	1200	1200
7/24/2015 0:00	1059	1059	1200	1200
7/24/2015 1:00	1059	1059	1200	1200
7/24/2015 2:00	1059	1059	1200	1200
7/24/2015 3:00	1059	1060	1200	1200
7/24/2015 4:00	1060	1060	1200	1200
7/24/2015 5:00	1060	1060	1200	1200
7/24/2015 6:00	1060	1060	1200	1200
7/24/2015 7:00	1059	1060	1200	1200
7/24/2015 8:00	1059	1059	1200	1200
7/24/2015 9:00	1059	1059	1200	1200
7/24/2015 10:00	1059	1059	1200	1200
7/24/2015 11:00	1059	1059	1200	1200
7/24/2015 12:00	1059	1059	1200	1200
7/24/2015 13:00	1059	1059	1200	1200
7/24/2015 14:00	1059	1060	1200	1200
7/24/2015 15:00	1060	1060	1200	1200
7/24/2015 16:00	1060	1061	1200	1200
7/24/2015 17:00	1061	1062	1200	1200
7/24/2015 18:00	1062	1062	1200	1200
7/24/2015 19:00	1062	1063	1200	1200
7/24/2015 20:00	1063	1065	1200	1200
7/24/2015 21:00	1065	1065	1200	1200
7/24/2015 22:00	1065	1065	1200	1200
7/24/2015 23:00	1065	1065	1200	1200
7/25/2015 0:00	1064	1065	1200	1200
7/25/2015 1:00	1064	1064	1200	1200
7/25/2015 2:00	1064	1064	1200	1200
7/25/2015 3:00	1064	1064	1200	1200
7/25/2015 4:00	1064	1065	1200	1200
7/25/2015 5:00	1064	1065	1200	1200
7/25/2015 6:00	1064	1065	1200	1200
7/25/2015 7:00	1065	1065	1200	1200
7/25/2015 8:00	1065	1065	1200	1200
7/25/2015 9:00	1065	1065	1200	1200
7/25/2015 10:00	1065	1065	1200	1200
7/25/2015 11:00	1065	1065	1200	1200
7/25/2015 12:00	1065	1065	1200	1200
7/25/2015 13:00	1065	1065	1200	1200
7/25/2015 14:00	1064	1065	1200	1200
7/25/2015 15:00	1064	1064	1200	1200
7/25/2015 16:00	1063	1064	1200	1200
7/25/2015 17:00	1059	1063	1200	1200
7/25/2015 18:00	1059	1059	1200	1200
7/25/2015 19:00	1059	1060	1200	1200
7/25/2015 20:00	1059	1060	1200	1200
7/25/2015 21:00	1058	1059	1200	1200
7/25/2015 22:00	1058	1058	1200	1200
7/25/2015 23:00	1058	1058	1200	1200
7/26/2015 0:00	1058	1059	1200	1200
7/26/2015 1:00	1059	1059	1200	1200

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/26/2015 2:00	1058	1059	1200	1200
7/26/2015 3:00	1058	1058	1200	1200
7/26/2015 4:00	1058	1058	1200	1200
7/26/2015 5:00	1058	1059	1200	1200
7/26/2015 6:00	1059	1059	1200	1200
7/26/2015 7:00	1059	1059	1200	1200
7/26/2015 8:00	1057	1059	1200	1200
7/26/2015 9:00	1057	1058	1200	1200
7/26/2015 10:00	1058	1060	1200	1200
7/26/2015 11:00	1059	1060	1200	1200
7/26/2015 12:00	1057	1059	1200	1200
7/26/2015 13:00	1056	1057	1200	1200
7/26/2015 14:00	1054	1056	1200	1200
7/26/2015 15:00	1053	1054	1200	1200
7/26/2015 16:00	1052	1053	1200	1200
7/26/2015 17:00	1052	1053	1200	1200
7/26/2015 18:00	1053	1054	1200	1200
7/26/2015 19:00	1054	1054	1200	1200
7/26/2015 20:00	1054	1054	1200	1200
7/26/2015 21:00	1054	1055	1200	1200
7/26/2015 22:00	1055	1055	1200	1200
7/26/2015 23:00	1055	1056	1200	1200
7/27/2015 0:00	1054	1056	1200	1200
7/27/2015 1:00	1054	1054	1200	1200
7/27/2015 2:00	1054	1055	1200	1200
7/27/2015 3:00	1054	1055	1200	1200
7/27/2015 4:00	1054	1054	1200	1200
7/27/2015 5:00	1054	1054	1200	1200
7/27/2015 6:00	1054	1054	1200	1200
7/27/2015 7:00	1054	1055	1200	1200
7/27/2015 8:00	1055	1055	1200	1200
7/27/2015 9:00	1055	1055	1200	1200
7/27/2015 10:00	1055	1055	1200	1200
7/27/2015 11:00	1055	1055	1200	1200
7/27/2015 12:00	1055	1055	1200	1200
7/27/2015 13:00	1055	1055	1200	1200
7/27/2015 14:00	1055	1055	1200	1200
7/27/2015 15:00	1055	1055	1200	1200
7/27/2015 16:00	1055	1056	1200	1200
7/27/2015 17:00	1056	1056	1200	1200
7/27/2015 18:00	1056	1056	1200	1200
7/27/2015 19:00	1055	1056	1200	1200
7/27/2015 20:00	1052	1055	1200	1200
7/27/2015 21:00	1047	1052	1200	1200
7/27/2015 22:00	1043	1047	1200	1200
7/27/2015 23:00	1037	1043	1200	1200
7/28/2015 0:00	1028	1037	1200	1200
7/28/2015 1:00	1022	1028	1200	1200
7/28/2015 2:00	1021	1022	1200	1200
7/28/2015 3:00	1021	1021	1200	1200
7/28/2015 4:00	1020	1021	1200	1200
7/28/2015 5:00	1019	1020	1200	1200
7/28/2015 6:00	1018	1019	1200	1200
7/28/2015 7:00	1018	1018	1200	1200
7/28/2015 8:00	1017	1018	1200	1200
7/28/2015 9:00	1017	1017	1200	1200
7/28/2015 10:00	1017	1017	1200	1200
7/28/2015 11:00	1017	1017	1200	1200
7/28/2015 12:00	1017	1017	1200	1200
7/28/2015 13:00	1017	1017	1200	1200
7/28/2015 14:00	1017	1017	1200	1200
7/28/2015 15:00	1017	1017	1200	1200
7/28/2015 16:00	1017	1018	1200	1200
7/28/2015 17:00	1018	1020	1200	1200
7/28/2015 18:00	1020	1021	1200	1200
7/28/2015 19:00	1020	1021	1200	1200
7/28/2015 20:00	1019	1020	1200	1200
7/28/2015 21:00	1019	1019	1200	1200
7/28/2015 22:00	1018	1019	1200	1200
7/28/2015 23:00	1017	1018	1200	1200
7/29/2015 0:00	1017	1017	1200	1200
7/29/2015 1:00	1017	1017	1200	1200
7/29/2015 2:00	1017	1017	1200	1200
7/29/2015 3:00	1017	1017	1200	1200
7/29/2015 4:00	1017	1018	1200	1200

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/29/2015 5:00	1018	1018	1200	1200
7/29/2015 6:00	1017	1018	1200	1200
7/29/2015 7:00	1017	1017	1200	1200
7/29/2015 8:00	1017	1017	1200	1200
7/29/2015 9:00	1017	1018	1200	1200
7/29/2015 10:00	1018	1019	1200	1200
7/29/2015 11:00	1019	1021	1200	1200
7/29/2015 12:00	1021	1023	1200	1200
7/29/2015 13:00	1023	1025	1200	1200
7/29/2015 14:00	1024	1025	1200	1200
7/29/2015 15:00	1024	1024	1157	1200
7/29/2015 16:00	1024	1025	1164	1200
7/29/2015 17:00	1025	1025	1200	1200
7/29/2015 18:00	1023	1025	1200	1200
7/29/2015 19:00	1023	1023	1200	1200
7/29/2015 20:00	1023	1023	1172	1200
7/29/2015 21:00	1023	1023	1172	1198
7/29/2015 22:00	1023	1023	1183	1200
7/29/2015 23:00	1023	1023	1200	1200
7/30/2015 0:00	1023	1023	992	1200
7/30/2015 1:00	1023	1023	992	1165
7/30/2015 2:00	1023	1023	1165	1182
7/30/2015 3:00	1023	1023	1135	1179
7/30/2015 4:00	1023	1024	1147	1191
7/30/2015 5:00	1024	1024	1189	1194
7/30/2015 6:00	1024	1024	1182	1197
7/30/2015 7:00	1024	1024	1197	1197
7/30/2015 8:00	1024	1024	1197	1200
7/30/2015 9:00	1024	1024	1196	1200
7/30/2015 10:00	1024	1024	1192	1197
7/30/2015 11:00	1024	1024	1189	1192
7/30/2015 12:00	1024	1024	1189	1193
7/30/2015 13:00	1024	1024	1192	1194
7/30/2015 14:00	1024	1024	1194	1197
7/30/2015 15:00	1024	1024	1196	1200
7/30/2015 16:00	1017	1024	1200	1200
7/30/2015 17:00	1017	1024	1200	1200
7/30/2015 18:00	1024	1024	1200	1200
7/30/2015 19:00	1023	1024	1200	1200
7/30/2015 20:00	1023	1023	1200	1200
7/30/2015 21:00	1023	1023	1200	1200
7/30/2015 22:00	1023	1023	1200	1200
7/30/2015 23:00	1023	1023	1200	1200
7/31/2015 0:00	1023	1023	1200	1200
7/31/2015 1:00	1022	1023	1200	1200
7/31/2015 2:00	1021	1022	1200	1200
7/31/2015 3:00	1021	1021	1200	1200
7/31/2015 4:00	1021	1021	1200	1200
7/31/2015 5:00	1021	1021	1200	1200
7/31/2015 6:00	1021	1022	1200	1200
7/31/2015 7:00	1022	1022	1192	1200
7/31/2015 8:00	1022	1022	1190	1192
7/31/2015 9:00	1022	1022	1190	1200
7/31/2015 10:00	1022	1023	1200	1200
7/31/2015 11:00	1022	1023	1200	1200
7/31/2015 12:00	1022	1022	1200	1200
7/31/2015 13:00	1022	1022	1195	1200
7/31/2015 14:00	1022	1022	1188	1195
7/31/2015 15:00	1021	1022	1191	1200
7/31/2015 16:00	1021	1021	1200	1200
7/31/2015 17:00	1021	1021	1200	1200
7/31/2015 18:00	1020	1021	1200	1200
7/31/2015 19:00	1020	1020	1200	1200
7/31/2015 20:00	1020	1020	1200	1200
7/31/2015 21:00	1020	1020	1200	1200
7/31/2015 22:00	1019	1020	1200	1200
7/31/2015 23:00	1019	1019	1200	1200

Min (Btu/cf)    Max (Btu/cf)    Min (Btu/cf)    Max (Btu/cf)  
1016                    1065                    992                    1200