



825 Rice Street
Saint Paul, MN 55117

January 12, 2018

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 December 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", 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
12/1/2017 0:00	1028	1028	1180	1182
12/1/2017 1:00	1027	1028	1180	1181
12/1/2017 2:00	1027	1027	1180	1183
12/1/2017 3:00	1027	1027	1181	1183
12/1/2017 4:00	1027	1027	1178	1181
12/1/2017 5:00	1027	1027	1178	1184
12/1/2017 6:00	1027	1027	1182	1184
12/1/2017 7:00	1027	1027	1182	1183
12/1/2017 8:00	1027	1027	1183	1184
12/1/2017 9:00	1026	1027	1184	1184
12/1/2017 10:00	1026	1026	1184	1184
12/1/2017 11:00	1026	1027	1183	1184
12/1/2017 12:00	1026	1027	1183	1186
12/1/2017 13:00	1026	1026	1185	1186
12/1/2017 14:00	1026	1026	1185	1185
12/1/2017 15:00	1026	1026	1184	1185
12/1/2017 16:00	1026	1026	1184	1185
12/1/2017 17:00	1026	1026	1184	1185
12/1/2017 18:00	1026	1026	1185	1187
12/1/2017 19:00	1026	1026	1186	1187
12/1/2017 20:00	1026	1026	1186	1187
12/1/2017 21:00	1026	1026	1186	1187
12/1/2017 22:00	1026	1026	1186	1186
12/1/2017 23:00	1026	1026	1186	1186
12/2/2017 0:00	1026	1026	1186	1187
12/2/2017 1:00	1026	1026	1186	1187
12/2/2017 2:00	1026	1026	1184	1187
12/2/2017 3:00	1026	1027	1186	1189
12/2/2017 4:00	1026	1027	1187	1188
12/2/2017 5:00	1026	1026	1188	1188
12/2/2017 6:00	1026	1026	1187	1190
12/2/2017 7:00	1026	1026	1187	1187
12/2/2017 8:00	1026	1027	1187	1189
12/2/2017 9:00	1027	1027	1189	1190
12/2/2017 10:00	1027	1027	1189	1189
12/2/2017 11:00	1027	1027	1189	1189
12/2/2017 12:00	1027	1028	1188	1189
12/2/2017 13:00	1028	1028	1188	1189
12/2/2017 14:00	1028	1028	1188	1189
12/2/2017 15:00	1028	1028	1187	1188
12/2/2017 16:00	1028	1028	1188	1188
12/2/2017 17:00	1027	1028	1188	1188
12/2/2017 18:00	1027	1027	1187	1189
12/2/2017 19:00	1026	1027	1188	1189
12/2/2017 20:00	1026	1026	1187	1188
12/2/2017 21:00	1026	1026	1187	1189
12/2/2017 22:00	1026	1026	1189	1190
12/2/2017 23:00	1026	1027	1190	1190
12/3/2017 0:00	1027	1027	1190	1192
12/3/2017 1:00	1027	1027	1191	1192
12/3/2017 2:00	1027	1027	1192	1193
12/3/2017 3:00	1027	1027	1193	1194
12/3/2017 4:00	1027	1027	1193	1194
12/3/2017 5:00	1026	1027	1193	1195
12/3/2017 6:00	1026	1026	1195	1197
12/3/2017 7:00	1026	1026	1194	1197
12/3/2017 8:00	1026	1026	1191	1194
12/3/2017 9:00	1026	1026	1191	1192
12/3/2017 10:00	1026	1026	1191	1192
12/3/2017 11:00	1026	1026	1192	1192
12/3/2017 12:00	1026	1026	1192	1193
12/3/2017 13:00	1026	1026	1190	1193
12/3/2017 14:00	1026	1026	1184	1192
12/3/2017 15:00	1026	1026	1190	1195
12/3/2017 16:00	1026	1026	1194	1195
12/3/2017 17:00	1026	1026	1193	1194
12/3/2017 18:00	1026	1026	1194	1194

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
12/3/2017 19:00	1026	1026	1193	1194
12/3/2017 20:00	1026	1026	1194	1194
12/3/2017 21:00	1026	1026	1192	1194
12/3/2017 22:00	1026	1026	1192	1193
12/3/2017 23:00	1026	1026	1191	1193
12/4/2017 0:00	1026	1026	1190	1192
12/4/2017 1:00	1026	1026	1190	1191
12/4/2017 2:00	1025	1026	1188	1191
12/4/2017 3:00	1024	1025	1188	1189
12/4/2017 4:00	1023	1024	1185	1189
12/4/2017 5:00	1022	1023	1183	1186
12/4/2017 6:00	1022	1022	1184	1186
12/4/2017 7:00	1022	1022	1184	1187
12/4/2017 8:00	1021	1022	1187	1188
12/4/2017 9:00	1021	1021	1187	1188
12/4/2017 10:00	1021	1021	1183	1187
12/4/2017 11:00	1021	1021	1183	1186
12/4/2017 12:00	1021	1021	1186	1188
12/4/2017 13:00	1021	1021	1186	1187
12/4/2017 14:00	1021	1021	1187	1190
12/4/2017 15:00	1021	1021	1190	1190
12/4/2017 16:00	1021	1021	1189	1190
12/4/2017 17:00	1021	1021	1188	1189
12/4/2017 18:00	1021	1021	1186	1189
12/4/2017 19:00	1021	1021	1186	1189
12/4/2017 20:00	1021	1021	1185	1187
12/4/2017 21:00	1021	1021	1184	1186
12/4/2017 22:00	1021	1022	1184	1186
12/4/2017 23:00	1022	1022	1183	1186
12/5/2017 0:00	1022	1022	1181	1184
12/5/2017 1:00	1022	1022	1178	1183
12/5/2017 2:00	1022	1023	1181	1183
12/5/2017 3:00	1022	1023	1179	1182
12/5/2017 4:00	1022	1022	1177	1179
12/5/2017 5:00	1022	1022	1176	1177
12/5/2017 6:00	1022	1022	1177	1177
12/5/2017 7:00	1022	1022	1177	1177
12/5/2017 8:00	1022	1022	1176	1177
12/5/2017 9:00	1022	1022	1174	1176
12/5/2017 10:00	1022	1022	1174	1176
12/5/2017 11:00	1022	1022	1172	1176
12/5/2017 12:00	1022	1022	1172	1173
12/5/2017 13:00	1022	1022	1171	1172
12/5/2017 14:00	1022	1023	1172	1176
12/5/2017 15:00	1023	1023	1174	1176
12/5/2017 16:00	1023	1023	1173	1174
12/5/2017 17:00	1023	1023	1173	1173
12/5/2017 18:00	1023	1023	1171	1173
12/5/2017 19:00	1023	1023	1171	1172
12/5/2017 20:00	1023	1023	1166	1171
12/5/2017 21:00	1023	1023	1163	1166
12/5/2017 22:00	1023	1023	1164	1166
12/5/2017 23:00	1022	1023	1165	1166
12/6/2017 0:00	1022	1022	1162	1165
12/6/2017 1:00	1022	1022	1161	1162
12/6/2017 2:00	1022	1022	1161	1162
12/6/2017 3:00	1022	1022	1162	1167
12/6/2017 4:00	1022	1022	1167	1168
12/6/2017 5:00	1022	1022	1165	1168
12/6/2017 6:00	1022	1022	1165	1166
12/6/2017 7:00	1022	1023	1166	1168
12/6/2017 8:00	1023	1023	1167	1168
12/6/2017 9:00	1023	1023	1167	1170
12/6/2017 10:00	1023	1023	1160	1170
12/6/2017 11:00	1023	1023	1160	1169
12/6/2017 12:00	1023	1024	1168	1171
12/6/2017 13:00	1024	1024	1167	1171
12/6/2017 14:00	1024	1024	1169	1172
12/6/2017 15:00	1024	1024	1172	1174
12/6/2017 16:00	1024	1024	1173	1173
12/6/2017 17:00	1023	1024	1173	1174
12/6/2017 18:00	1023	1023	1174	1175
12/6/2017 19:00	1023	1023	1175	1177
12/6/2017 20:00	1023	1023	1172	1177
12/6/2017 21:00	1023	1023	1169	1172

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

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/6/2017 22:00	1023	1023	1168	1169
12/6/2017 23:00	1023	1023	1168	1170
12/7/2017 0:00	1023	1023	1169	1170
12/7/2017 1:00	1023	1023	1169	1170
12/7/2017 2:00	1023	1023	1169	1170
12/7/2017 3:00	1023	1023	1170	1172
12/7/2017 4:00	1023	1023	1172	1173
12/7/2017 5:00	1023	1023	1173	1173
12/7/2017 6:00	1023	1023	1172	1174
12/7/2017 7:00	1023	1023	1170	1172
12/7/2017 8:00	1023	1024	1172	1173
12/7/2017 9:00	1024	1024	1172	1173
12/7/2017 10:00	1024	1024	1172	1173
12/7/2017 11:00	1024	1024	1172	1174
12/7/2017 12:00	1023	1024	1170	1172
12/7/2017 13:00	1023	1023	1169	1170
12/7/2017 14:00	1023	1023	1169	1170
12/7/2017 15:00	1023	1023	1169	1170
12/7/2017 16:00	1023	1023	1169	1170
12/7/2017 17:00	1023	1023	1169	1171
12/7/2017 18:00	1023	1023	1171	1171
12/7/2017 19:00	1023	1023	1170	1171
12/7/2017 20:00	1023	1023	1168	1170
12/7/2017 21:00	1022	1023	1168	1169
12/7/2017 22:00	1022	1022	1169	1170
12/7/2017 23:00	1022	1022	1169	1170
12/8/2017 0:00	1022	1022	1170	1171
12/8/2017 1:00	1022	1022	1171	1171
12/8/2017 2:00	1022	1022	1171	1171
12/8/2017 3:00	1022	1022	1171	1172
12/8/2017 4:00	1022	1022	1171	1172
12/8/2017 5:00	1022	1022	1169	1171
12/8/2017 6:00	1022	1022	1169	1170
12/8/2017 7:00	1022	1022	1168	1169
12/8/2017 8:00	1022	1022	1168	1169
12/8/2017 9:00	1021	1022	1168	1169
12/8/2017 10:00	1021	1021	1169	1169
12/8/2017 11:00	1021	1021	1169	1170
12/8/2017 12:00	1021	1021	1170	1173
12/8/2017 13:00	1021	1021	1173	1174
12/8/2017 14:00	1021	1021	1172	1174
12/8/2017 15:00	1021	1021	1172	1174
12/8/2017 16:00	1021	1021	1174	1176
12/8/2017 17:00	1021	1021	1176	1176
12/8/2017 18:00	1021	1021	1176	1176
12/8/2017 19:00	1021	1021	1175	1177
12/8/2017 20:00	1021	1021	1173	1175
12/8/2017 21:00	1021	1021	1172	1173
12/8/2017 22:00	1021	1022	1172	1174
12/8/2017 23:00	1022	1022	1174	1177
12/9/2017 0:00	1022	1022	1177	1178
12/9/2017 1:00	1022	1022	1178	1178
12/9/2017 2:00	1022	1022	1178	1180
12/9/2017 3:00	1022	1022	1179	1181
12/9/2017 4:00	1022	1023	1180	1181
12/9/2017 5:00	1023	1023	1181	1182
12/9/2017 6:00	1023	1024	1181	1183
12/9/2017 7:00	1024	1024	1182	1183
12/9/2017 8:00	1024	1024	1182	1182
12/9/2017 9:00	1024	1024	1182	1183
12/9/2017 10:00	1024	1024	1183	1183
12/9/2017 11:00	1024	1024	1182	1184
12/9/2017 12:00	1024	1024	1181	1182
12/9/2017 13:00	1024	1024	1182	1183
12/9/2017 14:00	1024	1025	1183	1184
12/9/2017 15:00	1025	1025	1184	1191
12/9/2017 16:00	1025	1025	1191	1193
12/9/2017 17:00	1025	1026	1186	1193
12/9/2017 18:00	1026	1026	1184	1186
12/9/2017 19:00	1026	1026	1184	1185
12/9/2017 20:00	1026	1026	1181	1184
12/9/2017 21:00	1026	1026	1180	1181
12/9/2017 22:00	1025	1026	1180	1183
12/9/2017 23:00	1025	1025	1182	1183
12/10/2017 0:00	1024	1025	1181	1182

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
12/10/2017 1:00	1024	1024	1181	1183
12/10/2017 2:00	1024	1024	1182	1184
12/10/2017 3:00	1024	1024	1183	1184
12/10/2017 4:00	1024	1024	1183	1183
12/10/2017 5:00	1024	1024	1183	1185
12/10/2017 6:00	1024	1024	1185	1186
12/10/2017 7:00	1024	1024	1186	1187
12/10/2017 8:00	1024	1024	1185	1187
12/10/2017 9:00	1024	1024	1185	1186
12/10/2017 10:00	1024	1024	1185	1186
12/10/2017 11:00	1024	1024	1184	1185
12/10/2017 12:00	1023	1024	1184	1185
12/10/2017 13:00	1023	1023	1185	1185
12/10/2017 14:00	1023	1023	1184	1185
12/10/2017 15:00	1023	1023	1184	1186
12/10/2017 16:00	1023	1023	1186	1187
12/10/2017 17:00	1023	1023	1187	1195
12/10/2017 18:00	1023	1023	1186	1195
12/10/2017 19:00	1023	1024	1185	1187
12/10/2017 20:00	1024	1024	1185	1186
12/10/2017 21:00	1024	1024	1185	1185
12/10/2017 22:00	1024	1024	1185	1185
12/10/2017 23:00	1024	1024	1185	1185
12/11/2017 0:00	1024	1024	1185	1186
12/11/2017 1:00	1024	1024	1185	1186
12/11/2017 2:00	1024	1024	1185	1186
12/11/2017 3:00	1024	1024	1185	1185
12/11/2017 4:00	1024	1024	1185	1189
12/11/2017 5:00	1024	1024	1188	1189
12/11/2017 6:00	1024	1024	1188	1189
12/11/2017 7:00	1024	1024	1189	1189
12/11/2017 8:00	1024	1024	1189	1190
12/11/2017 9:00	1024	1024	1190	1190
12/11/2017 10:00	1024	1024	1189	1191
12/11/2017 11:00	1024	1024	1189	1190
12/11/2017 12:00	1024	1024	1189	1190
12/11/2017 13:00	1024	1024	1189	1191
12/11/2017 14:00	1024	1024	1191	1191
12/11/2017 15:00	1024	1024	1191	1191
12/11/2017 16:00	1024	1024	1188	1191
12/11/2017 17:00	1024	1024	1188	1189
12/11/2017 18:00	1024	1024	1188	1189
12/11/2017 19:00	1024	1024	1189	1190
12/11/2017 20:00	1024	1025	1183	1189
12/11/2017 21:00	1025	1025	1183	1186
12/11/2017 22:00	1024	1025	1186	1187
12/11/2017 23:00	1024	1024	1182	1187
12/12/2017 0:00	1024	1024	1184	1185
12/12/2017 1:00	1024	1024	1185	1186
12/12/2017 2:00	1024	1024	1185	1186
12/12/2017 3:00	1024	1024	1185	1186
12/12/2017 4:00	1024	1024	1186	1186
12/12/2017 5:00	1024	1024	1184	1186
12/12/2017 6:00	1023	1024	1184	1187
12/12/2017 7:00	1023	1023	1186	1187
12/12/2017 8:00	1023	1023	1185	1186
12/12/2017 9:00	1023	1023	1185	1188
12/12/2017 10:00	1023	1023	1186	1187
12/12/2017 11:00	1023	1023	1186	1187
12/12/2017 12:00	1023	1023	1186	1187
12/12/2017 13:00	1023	1023	1187	1188
12/12/2017 14:00	1023	1023	1183	1187
12/12/2017 15:00	1023	1023	1183	1186
12/12/2017 16:00	1023	1024	1185	1186
12/12/2017 17:00	1024	1024	1185	1190
12/12/2017 18:00	1024	1024	1190	1193
12/12/2017 19:00	1024	1024	1191	1192
12/12/2017 20:00	1024	1024	1192	1193
12/12/2017 21:00	1024	1024	1189	1193
12/12/2017 22:00	1024	1024	1189	1192
12/12/2017 23:00	1024	1024	1190	1192
12/13/2017 0:00	1024	1024	1186	1190
12/13/2017 1:00	1024	1024	1186	1189
12/13/2017 2:00	1024	1024	1187	1189
12/13/2017 3:00	1024	1024	1187	1188

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

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/13/2017 4:00	1024	1024	1188	1189
12/13/2017 5:00	1023	1024	1189	1189
12/13/2017 6:00	1023	1023	1188	1189
12/13/2017 7:00	1023	1024	1187	1189
12/13/2017 8:00	1024	1024	1187	1189
12/13/2017 9:00	1024	1024	1187	1187
12/13/2017 10:00	1024	1024	1187	1187
12/13/2017 11:00	1024	1024	1187	1189
12/13/2017 12:00	1024	1024	1187	1188
12/13/2017 13:00	1024	1024	1188	1189
12/13/2017 14:00	1024	1024	1187	1189
12/13/2017 15:00	1023	1024	1187	1188
12/13/2017 16:00	1023	1023	1188	1189
12/13/2017 17:00	1023	1023	1189	1190
12/13/2017 18:00	1023	1023	1189	1190
12/13/2017 19:00	1023	1023	1189	1190
12/13/2017 20:00	1023	1023	1189	1190
12/13/2017 21:00	1023	1023	1188	1190
12/13/2017 22:00	1023	1024	1187	1188
12/13/2017 23:00	1024	1024	1186	1187
12/14/2017 0:00	1024	1024	1186	1186
12/14/2017 1:00	1024	1024	1184	1186
12/14/2017 2:00	1023	1024	1181	1184
12/14/2017 3:00	1022	1023	1180	1182
12/14/2017 4:00	1022	1022	1182	1184
12/14/2017 5:00	1021	1022	1184	1184
12/14/2017 6:00	1021	1021	1184	1184
12/14/2017 7:00	1021	1021	1183	1184
12/14/2017 8:00	1021	1021	1183	1183
12/14/2017 9:00	1021	1022	1183	1184
12/14/2017 10:00	1022	1022	1182	1183
12/14/2017 11:00	1022	1023	1183	1183
12/14/2017 12:00	1023	1024	1183	1184
12/14/2017 13:00	1024	1024	1184	1185
12/14/2017 14:00	1024	1024	1185	1186
12/14/2017 15:00	1024	1024	1184	1185
12/14/2017 16:00	1024	1024	1184	1186
12/14/2017 17:00	1024	1024	1184	1188
12/14/2017 18:00	1024	1024	1185	1188
12/14/2017 19:00	1024	1024	1183	1185
12/14/2017 20:00	1024	1024	1183	1186
12/14/2017 21:00	1024	1024	1184	1186
12/14/2017 22:00	1024	1024	1184	1185
12/14/2017 23:00	1024	1024	1184	1186
12/15/2017 0:00	1024	1024	1185	1186
12/15/2017 1:00	1024	1024	1186	1188
12/15/2017 2:00	1024	1024	1187	1188
12/15/2017 3:00	1024	1024	1188	1190
12/15/2017 4:00	1024	1024	1189	1192
12/15/2017 5:00	1024	1024	1191	1192
12/15/2017 6:00	1023	1024	1191	1192
12/15/2017 7:00	1023	1023	1191	1192
12/15/2017 8:00	1022	1023	1192	1193
12/15/2017 9:00	1022	1022	1193	1194
12/15/2017 10:00	1022	1022	1194	1198
12/15/2017 11:00	1022	1023	1195	1198
12/15/2017 12:00	1023	1023	1194	1197
12/15/2017 13:00	1023	1024	1185	1194
12/15/2017 14:00	1024	1024	1179	1185
12/15/2017 15:00	1024	1024	1177	1179
12/15/2017 16:00	1024	1024	1176	1178
12/15/2017 17:00	1024	1024	1176	1178
12/15/2017 18:00	1024	1024	1172	1176
12/15/2017 19:00	1024	1024	1172	1173
12/15/2017 20:00	1024	1024	1171	1172
12/15/2017 21:00	1024	1024	1171	1172
12/15/2017 22:00	1024	1024	1172	1174
12/15/2017 23:00	1024	1024	1154	1174
12/16/2017 0:00	1024	1025	1154	1158
12/16/2017 1:00	1025	1025	1158	1163
12/16/2017 2:00	1025	1025	1162	1163
12/16/2017 3:00	1025	1025	1162	1165
12/16/2017 4:00	1025	1025	1163	1165
12/16/2017 5:00	1025	1025	1165	1176
12/16/2017 6:00	1025	1025	1176	1180

Xcel Energy
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/16/2017 7:00	1025	1025	1179	1186
12/16/2017 8:00	1025	1025	1186	1187
12/16/2017 9:00	1025	1025	1186	1187
12/16/2017 10:00	1024	1025	1186	1188
12/16/2017 11:00	1024	1024	1188	1190
12/16/2017 12:00	1022	1024	1190	1192
12/16/2017 13:00	1022	1022	1191	1192
12/16/2017 14:00	1022	1023	1188	1191
12/16/2017 15:00	1023	1023	1188	1189
12/16/2017 16:00	1023	1023	1186	1188
12/16/2017 17:00	1023	1023	1185	1186
12/16/2017 18:00	1023	1023	1183	1185
12/16/2017 19:00	1023	1023	1183	1184
12/16/2017 20:00	1023	1023	1182	1183
12/16/2017 21:00	1023	1023	1181	1182
12/16/2017 22:00	1023	1023	1179	1181
12/16/2017 23:00	1023	1023	1178	1179
12/17/2017 0:00	1023	1023	1177	1178
12/17/2017 1:00	1023	1023	1177	1177
12/17/2017 2:00	1023	1023	1177	1178
12/17/2017 3:00	1023	1024	1178	1180
12/17/2017 4:00	1024	1024	1180	1181
12/17/2017 5:00	1024	1024	1181	1183
12/17/2017 6:00	1024	1024	1183	1185
12/17/2017 7:00	1024	1025	1185	1186
12/17/2017 8:00	1025	1025	1185	1186
12/17/2017 9:00	1025	1025	1185	1188
12/17/2017 10:00	1025	1025	1188	1188
12/17/2017 11:00	1024	1025	1185	1188
12/17/2017 12:00	1024	1024	1184	1186
12/17/2017 13:00	1023	1024	1183	1184
12/17/2017 14:00	1022	1023	1182	1183
12/17/2017 15:00	1022	1023	1182	1184
12/17/2017 16:00	1023	1024	1183	1184
12/17/2017 17:00	1024	1024	1179	1183
12/17/2017 18:00	1024	1024	1180	1180
12/17/2017 19:00	1024	1024	1179	1180
12/17/2017 20:00	1024	1024	1177	1179
12/17/2017 21:00	1024	1024	1177	1179
12/17/2017 22:00	1023	1024	1177	1179
12/17/2017 23:00	1023	1023	1175	1177
12/18/2017 0:00	1022	1023	1175	1176
12/18/2017 1:00	1022	1022	1176	1177
12/18/2017 2:00	1022	1022	1177	1178
12/18/2017 3:00	1022	1022	1177	1183
12/18/2017 4:00	1022	1023	1183	1189
12/18/2017 5:00	1023	1023	1189	1191
12/18/2017 6:00	1023	1023	1191	1191
12/18/2017 7:00	1023	1023	1191	1191
12/18/2017 8:00	1023	1024	1189	1191
12/18/2017 9:00	1024	1024	1190	1193
12/18/2017 10:00	1024	1024	1193	1193
12/18/2017 11:00	1023	1024	1189	1193
12/18/2017 12:00	1023	1023	1188	1189
12/18/2017 13:00	1023	1023	1187	1188
12/18/2017 14:00	1023	1023	1186	1189
12/18/2017 15:00	1023	1024	1189	1189
12/18/2017 16:00	1024	1024	1189	1189
12/18/2017 17:00	1024	1025	1188	1189
12/18/2017 18:00	1025	1025	1188	1189
12/18/2017 19:00	1024	1025	1187	1188
12/18/2017 20:00	1024	1024	1187	1188
12/18/2017 21:00	1023	1024	1188	1189
12/18/2017 22:00	1023	1023	1187	1190
12/18/2017 23:00	1023	1023	1187	1189
12/19/2017 0:00	1023	1024	1186	1188
12/19/2017 1:00	1024	1024	1186	1188
12/19/2017 2:00	1024	1024	1187	1189
12/19/2017 3:00	1024	1024	1189	1192
12/19/2017 4:00	1024	1024	1192	1194
12/19/2017 5:00	1024	1024	1193	1194
12/19/2017 6:00	1024	1024	1192	1193
12/19/2017 7:00	1024	1024	1191	1192
12/19/2017 8:00	1024	1024	1190	1192
12/19/2017 9:00	1024	1024	1192	1193

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/19/2017 10:00	1024	1024	1191	1192
12/19/2017 11:00	1024	1024	1190	1191
12/19/2017 12:00	1024	1024	1189	1190
12/19/2017 13:00	1024	1024	1184	1189
12/19/2017 14:00	1024	1025	1183	1184
12/19/2017 15:00	1025	1025	1182	1184
12/19/2017 16:00	1025	1026	1180	1182
12/19/2017 17:00	1025	1026	1179	1181
12/19/2017 18:00	1025	1025	1179	1181
12/19/2017 19:00	1023	1025	1180	1181
12/19/2017 20:00	1022	1023	1180	1181
12/19/2017 21:00	1022	1022	1179	1180
12/19/2017 22:00	1022	1022	1178	1179
12/19/2017 23:00	1022	1022	1179	1180
12/20/2017 0:00	1022	1022	1179	1180
12/20/2017 1:00	1022	1022	1179	1179
12/20/2017 2:00	1022	1022	1179	1180
12/20/2017 3:00	1022	1022	1179	1181
12/20/2017 4:00	1022	1022	1180	1181
12/20/2017 5:00	1022	1022	1180	1181
12/20/2017 6:00	1022	1022	1180	1181
12/20/2017 7:00	1022	1022	1181	1181
12/20/2017 8:00	1022	1022	1181	1182
12/20/2017 9:00	1022	1023	1181	1182
12/20/2017 10:00	1023	1023	1182	1182
12/20/2017 11:00	1023	1023	1181	1182
12/20/2017 12:00	1022	1023	1181	1181
12/20/2017 13:00	1022	1022	1181	1181
12/20/2017 14:00	1022	1022	1180	1181
12/20/2017 15:00	1022	1022	1180	1185
12/20/2017 16:00	1022	1022	1183	1185
12/20/2017 17:00	1022	1022	1184	1188
12/20/2017 18:00	1022	1022	1187	1190
12/20/2017 19:00	1022	1022	1190	1194
12/20/2017 20:00	1022	1022	1193	1194
12/20/2017 21:00	1022	1022	1193	1194
12/20/2017 22:00	1022	1022	1184	1195
12/20/2017 23:00	1022	1022	1181	1184
12/21/2017 0:00	1022	1022	1177	1183
12/21/2017 1:00	1022	1022	1175	1180
12/21/2017 2:00	1022	1022	1170	1175
12/21/2017 3:00	1022	1022	1170	1175
12/21/2017 4:00	1022	1022	1175	1177
12/21/2017 5:00	1022	1022	1169	1175
12/21/2017 6:00	1022	1022	1169	1171
12/21/2017 7:00	1022	1022	1171	1172
12/21/2017 8:00	1022	1023	1171	1172
12/21/2017 9:00	1023	1023	1172	1173
12/21/2017 10:00	1023	1023	1173	1174
12/21/2017 11:00	1023	1023	1174	1175
12/21/2017 12:00	1022	1023	1171	1175
12/21/2017 13:00	1022	1023	1171	1174
12/21/2017 14:00	1023	1025	1174	1177
12/21/2017 15:00	1025	1025	1174	1175
12/21/2017 16:00	1025	1025	1175	1176
12/21/2017 17:00	1024	1025	1174	1176
12/21/2017 18:00	1024	1024	1175	1177
12/21/2017 19:00	1024	1024	1175	1177
12/21/2017 20:00	1024	1024	1175	1177
12/21/2017 21:00	1024	1024	1175	1176
12/21/2017 22:00	1024	1024	1176	1177
12/21/2017 23:00	1024	1024	1175	1177
12/22/2017 0:00	1024	1024	1173	1175
12/22/2017 1:00	1024	1024	1173	1174
12/22/2017 2:00	1024	1024	1172	1174
12/22/2017 3:00	1024	1024	1171	1172
12/22/2017 4:00	1024	1024	1170	1171
12/22/2017 5:00	1024	1024	1171	1172
12/22/2017 6:00	1024	1024	1172	1178
12/22/2017 7:00	1024	1024	1178	1179
12/22/2017 8:00	1024	1025	1179	1179
12/22/2017 9:00	1025	1025	1176	1179
12/22/2017 10:00	1025	1025	1176	1177
12/22/2017 11:00	1025	1025	1174	1177
12/22/2017 12:00	1025	1025	1175	1177

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/22/2017 13:00	1025	1025	1175	1178
12/22/2017 14:00	1025	1025	1166	1175
12/22/2017 15:00	1025	1025	1166	1168
12/22/2017 16:00	1024	1025	1168	1168
12/22/2017 17:00	1023	1024	1167	1168
12/22/2017 18:00	1022	1023	1165	1167
12/22/2017 19:00	1022	1022	1164	1167
12/22/2017 20:00	1022	1022	1167	1168
12/22/2017 21:00	1021	1022	1168	1174
12/22/2017 22:00	1021	1021	1174	1175
12/22/2017 23:00	1021	1021	1175	1177
12/23/2017 0:00	1021	1021	1177	1178
12/23/2017 1:00	1021	1021	1178	1179
12/23/2017 2:00	1021	1021	1178	1179
12/23/2017 3:00	1021	1021	1177	1178
12/23/2017 4:00	1021	1021	1177	1178
12/23/2017 5:00	1021	1021	1178	1179
12/23/2017 6:00	1021	1021	1179	1179
12/23/2017 7:00	1021	1021	1179	1179
12/23/2017 8:00	1021	1021	1179	1179
12/23/2017 9:00	1021	1021	1179	1179
12/23/2017 10:00	1021	1021	1178	1179
12/23/2017 11:00	1021	1022	1176	1178
12/23/2017 12:00	1022	1022	1176	1177
12/23/2017 13:00	1022	1022	1176	1177
12/23/2017 14:00	1022	1022	1177	1177
12/23/2017 15:00	1022	1022	1176	1177
12/23/2017 16:00	1022	1022	1176	1176
12/23/2017 17:00	1022	1022	1176	1179
12/23/2017 18:00	1022	1022	1176	1178
12/23/2017 19:00	1022	1022	1178	1182
12/23/2017 20:00	1022	1022	1180	1182
12/23/2017 21:00	1022	1022	1179	1180
12/23/2017 22:00	1021	1022	1179	1179
12/23/2017 23:00	1021	1021	1179	1180
12/24/2017 0:00	1021	1021	1178	1180
12/24/2017 1:00	1021	1021	1178	1180
12/24/2017 2:00	1021	1021	1180	1180
12/24/2017 3:00	1021	1022	1180	1181
12/24/2017 4:00	1022	1022	1180	1180
12/24/2017 5:00	1022	1023	1180	1181
12/24/2017 6:00	1023	1023	1180	1181
12/24/2017 7:00	1023	1023	1175	1181
12/24/2017 8:00	1023	1023	1175	1178
12/24/2017 9:00	1023	1024	1178	1180
12/24/2017 10:00	1024	1024	1180	1181
12/24/2017 11:00	1024	1024	1181	1181
12/24/2017 12:00	1023	1024	1180	1181
12/24/2017 13:00	1023	1023	1180	1181
12/24/2017 14:00	1022	1023	1181	1181
12/24/2017 15:00	1022	1022	1180	1181
12/24/2017 16:00	1022	1022	1179	1180
12/24/2017 17:00	1022	1023	1174	1181
12/24/2017 18:00	1023	1023	1174	1177
12/24/2017 19:00	1023	1023	1177	1178
12/24/2017 20:00	1023	1023	1176	1178
12/24/2017 21:00	1023	1024	1176	1177
12/24/2017 22:00	1024	1025	1176	1177
12/24/2017 23:00	1025	1026	1176	1177
12/25/2017 0:00	1026	1028	1176	1177
12/25/2017 1:00	1028	1028	1177	1178
12/25/2017 2:00	1028	1028	1178	1178
12/25/2017 3:00	1028	1029	1177	1178
12/25/2017 4:00	1028	1029	1177	1178
12/25/2017 5:00	1028	1028	1178	1179
12/25/2017 6:00	1028	1028	1178	1179
12/25/2017 7:00	1028	1028	1177	1179
12/25/2017 8:00	1028	1028	1176	1177
12/25/2017 9:00	1028	1028	1176	1177
12/25/2017 10:00	1028	1028	1175	1177
12/25/2017 11:00	1028	1029	1175	1175
12/25/2017 12:00	1029	1029	1174	1175
12/25/2017 13:00	1029	1029	1174	1174
12/25/2017 14:00	1029	1029	1172	1174
12/25/2017 15:00	1029	1029	1171	1173

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/25/2017 16:00	1029	1029	1171	1172
12/25/2017 17:00	1029	1029	1170	1172
12/25/2017 18:00	1029	1029	1171	1172
12/25/2017 19:00	1028	1029	1171	1172
12/25/2017 20:00	1028	1028	1170	1171
12/25/2017 21:00	1028	1029	1169	1170
12/25/2017 22:00	1029	1029	1169	1170
12/25/2017 23:00	1029	1029	1168	1170
12/26/2017 0:00	1029	1030	1168	1170
12/26/2017 1:00	1030	1030	1169	1169
12/26/2017 2:00	1029	1030	1169	1170
12/26/2017 3:00	1029	1029	1169	1170
12/26/2017 4:00	1029	1030	1170	1171
12/26/2017 5:00	1030	1030	1170	1171
12/26/2017 6:00	1030	1030	1170	1170
12/26/2017 7:00	1030	1030	1169	1170
12/26/2017 8:00	1030	1030	1169	1169
12/26/2017 9:00	1030	1030	1169	1169
12/26/2017 10:00	1029	1030	1169	1169
12/26/2017 11:00	1029	1029	1169	1169
12/26/2017 12:00	1029	1029	1169	1170
12/26/2017 13:00	1029	1029	1169	1170
12/26/2017 14:00	1029	1029	1169	1169
12/26/2017 15:00	1029	1029	1169	1169
12/26/2017 16:00	1029	1030	1169	1170
12/26/2017 17:00	1030	1030	1167	1169
12/26/2017 18:00	1030	1030	1165	1167
12/26/2017 19:00	1030	1030	1165	1166
12/26/2017 20:00	1030	1030	1165	1166
12/26/2017 21:00	1030	1031	1164	1166
12/26/2017 22:00	1031	1031	1162	1166
12/26/2017 23:00	1031	1031	1162	1167
12/27/2017 0:00	1031	1031	1165	1167
12/27/2017 1:00	1031	1031	1164	1165
12/27/2017 2:00	1031	1031	1162	1164
12/27/2017 3:00	1031	1031	1163	1163
12/27/2017 4:00	1031	1031	1163	1164
12/27/2017 5:00	1031	1031	1163	1164
12/27/2017 6:00	1031	1031	1164	1167
12/27/2017 7:00	1031	1031	1166	1167
12/27/2017 8:00	1031	1031	1164	1166
12/27/2017 9:00	1031	1031	1160	1165
12/27/2017 10:00	1031	1031	1160	1166
12/27/2017 11:00	1031	1031	1165	1166
12/27/2017 12:00	1031	1031	1166	1167
12/27/2017 13:00	1031	1031	1166	1167
12/27/2017 14:00	1031	1034	1165	1166
12/27/2017 15:00	1034	1037	1165	1166
12/27/2017 16:00	1037	1038	1166	1167
12/27/2017 17:00	1035	1038	1167	1168
12/27/2017 18:00	1032	1035	1168	1168
12/27/2017 19:00	1030	1032	1168	1170
12/27/2017 20:00	1030	1030	1117	1171
12/27/2017 21:00	1030	1030	1117	1139
12/27/2017 22:00	1030	1030	1139	1154
12/27/2017 23:00	1030	1030	1154	1159
12/28/2017 0:00	1030	1030	1159	1164
12/28/2017 1:00	1029	1030	1161	1165
12/28/2017 2:00	1029	1029	1159	1161
12/28/2017 3:00	1029	1029	1153	1159
12/28/2017 4:00	1029	1030	1146	1153
12/28/2017 5:00	1030	1030	1146	1147
12/28/2017 6:00	1030	1030	1144	1147
12/28/2017 7:00	1030	1030	1141	1144
12/28/2017 8:00	1030	1031	1140	1141
12/28/2017 9:00	1031	1031	1140	1141
12/28/2017 10:00	1031	1031	1140	1145
12/28/2017 11:00	1031	1031	1145	1148
12/28/2017 12:00	1031	1031	1147	1148
12/28/2017 13:00	1031	1031	1148	1151
12/28/2017 14:00	1030	1031	1151	1155
12/28/2017 15:00	1030	1030	1155	1158
12/28/2017 16:00	1029	1030	1158	1159
12/28/2017 17:00	1029	1029	1158	1160
12/28/2017 18:00	1029	1029	1160	1161

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/28/2017 19:00	1029	1030	1161	1162
12/28/2017 20:00	1030	1031	1161	1161
12/28/2017 21:00	1031	1031	1160	1162
12/28/2017 22:00	1031	1031	1159	1160
12/28/2017 23:00	1030	1031	1156	1159
12/29/2017 0:00	1030	1030	1153	1156
12/29/2017 1:00	1030	1030	1152	1155
12/29/2017 2:00	1030	1030	1155	1160
12/29/2017 3:00	1030	1030	1156	1160
12/29/2017 4:00	1029	1030	1158	1163
12/29/2017 5:00	1029	1029	1163	1169
12/29/2017 6:00	1028	1029	1169	1172
12/29/2017 7:00	1028	1028	1172	1174
12/29/2017 8:00	1028	1028	1172	1172
12/29/2017 9:00	1028	1028	1172	1172
12/29/2017 10:00	1028	1028	1169	1172
12/29/2017 11:00	1028	1028	1170	1171
12/29/2017 12:00	1028	1028	1167	1171
12/29/2017 13:00	1028	1028	1163	1167
12/29/2017 14:00	1028	1028	1159	1163
12/29/2017 15:00	1028	1028	1159	1164
12/29/2017 16:00	1028	1029	1164	1165
12/29/2017 17:00	1029	1029	1163	1165
12/29/2017 18:00	1029	1029	1163	1164
12/29/2017 19:00	1029	1029	1164	1165
12/29/2017 20:00	1029	1029	1164	1164
12/29/2017 21:00	1029	1029	1162	1164
12/29/2017 22:00	1029	1029	1160	1162
12/29/2017 23:00	1027	1029	1157	1160
12/30/2017 0:00	1026	1027	1155	1157
12/30/2017 1:00	1026	1027	1155	1156
12/30/2017 2:00	1027	1028	1155	1156
12/30/2017 3:00	1028	1029	1156	1159
12/30/2017 4:00	1029	1029	1159	1160
12/30/2017 5:00	1028	1029	1158	1159
12/30/2017 6:00	1028	1028	1159	1165
12/30/2017 7:00	1028	1028	1162	1165
12/30/2017 8:00	1028	1028	1160	1162
12/30/2017 9:00	1028	1028	1160	1161
12/30/2017 10:00	1028	1028	1159	1161
12/30/2017 11:00	1028	1028	1157	1159
12/30/2017 12:00	1028	1028	1157	1157
12/30/2017 13:00	1028	1028	1157	1162
12/30/2017 14:00	1028	1028	1162	1163
12/30/2017 15:00	1027	1028	1161	1163
12/30/2017 16:00	1027	1027	1158	1162
12/30/2017 17:00	1027	1027	1156	1158
12/30/2017 18:00	1027	1028	1155	1156
12/30/2017 19:00	1028	1028	1153	1155
12/30/2017 20:00	1028	1029	1152	1153
12/30/2017 21:00	1029	1029	1151	1152
12/30/2017 22:00	1029	1029	1149	1151
12/30/2017 23:00	1029	1029	1146	1149
12/31/2017 0:00	1029	1030	1144	1146
12/31/2017 1:00	1030	1030	1142	1144
12/31/2017 2:00	1030	1031	1140	1142
12/31/2017 3:00	1031	1031	1140	1145
12/31/2017 4:00	1031	1031	1144	1147
12/31/2017 5:00	1031	1031	1147	1148
12/31/2017 6:00	1031	1031	1148	1149
12/31/2017 7:00	1031	1031	1149	1150
12/31/2017 8:00	1030	1031	1149	1152
12/31/2017 9:00	1030	1030	1152	1153
12/31/2017 10:00	1029	1030	1153	1155
12/31/2017 11:00	1028	1029	1155	1158
12/31/2017 12:00	1028	1028	1157	1158
12/31/2017 13:00	1028	1028	1157	1158
12/31/2017 14:00	1028	1028	1158	1159
12/31/2017 15:00	1028	1028	1159	1160
12/31/2017 16:00	1028	1028	1160	1161
12/31/2017 17:00	1028	1029	1160	1161
12/31/2017 18:00	1029	1029	1160	1161
12/31/2017 19:00	1029	1029	1160	1161
12/31/2017 20:00	1029	1029	1158	1160
12/31/2017 21:00	1029	1029	1156	1158
12/31/2017 22:00	1029	1030	1155	1156
12/31/2017 23:00	1030	1030	1147	1155
	Min (Btu/cf)	Max (Btu/cf)	Min (Btu/cf)	Max (Btu/cf)
	1021	1038	1117	1198