



825 Rice Street
Saint Paul, MN 55117

September 7, 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 August 2018 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 myself at 651-229-2282.

Sincerely,

Lisa Kallberg
Principal Consultant Gas 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
8/1/2018 0:00	1026	1026	1168	1174
8/1/2018 1:00	1026	1026	1163	1168
8/1/2018 2:00	1026	1026	1157	1163
8/1/2018 3:00	1026	1026	1155	1158
8/1/2018 4:00	1026	1026	1155	1159
8/1/2018 5:00	1026	1026	1159	1161
8/1/2018 6:00	1026	1026	1161	1161
8/1/2018 7:00	1026	1026	1161	1161
8/1/2018 8:00	1026	1026	1161	1161
8/1/2018 9:00	1026	1026	934	1161
8/1/2018 10:00	1025	1026	800	934
8/1/2018 11:00	1025	1025	800	800
8/1/2018 12:00	1025	1025	800	800
8/1/2018 13:00	1025	1025	800	800
8/1/2018 14:00	1025	1025	800	800
8/1/2018 15:00	1025	1025	800	800
8/1/2018 16:00	1025	1025	800	1162
8/1/2018 17:00	1025	1025	1162	1200
8/1/2018 18:00	1025	1025	800	1200
8/1/2018 19:00	1025	1025	945	1145
8/1/2018 20:00	1025	1025	1145	1148
8/1/2018 21:00	1025	1025	1132	1147
8/1/2018 22:00	1025	1026	1117	1141
8/1/2018 23:00	1026	1026	1141	1145
8/2/2018 0:00	1026	1026	1145	1147
8/2/2018 1:00	1026	1026	1147	1148
8/2/2018 2:00	1026	1026	1144	1147
8/2/2018 3:00	1026	1026	1141	1144
8/2/2018 4:00	1026	1026	1141	1142
8/2/2018 5:00	1026	1026	1142	1145
8/2/2018 6:00	1026	1026	1145	1147
8/2/2018 7:00	1026	1026	1146	1147
8/2/2018 8:00	1026	1026	1147	1147
8/2/2018 9:00	1026	1026	1147	1147
8/2/2018 10:00	1026	1026	1147	1147
8/2/2018 11:00	1026	1026	1147	1148
8/2/2018 12:00	1025	1026	1148	1148
8/2/2018 13:00	1025	1025	1148	1149
8/2/2018 14:00	1025	1025	1148	1151
8/2/2018 15:00	1025	1025	1151	1155
8/2/2018 16:00	1025	1025	1138	1156
8/2/2018 17:00	1025	1025	1153	1156
8/2/2018 18:00	1025	1025	1156	1156
8/2/2018 19:00	1025	1025	1156	1164
8/2/2018 20:00	1025	1025	1163	1200
8/2/2018 21:00	1024	1025	1174	1200
8/2/2018 22:00	1024	1024	1161	1174
8/2/2018 23:00	1024	1024	1153	1161
8/3/2018 0:00	1024	1024	1147	1153
8/3/2018 1:00	1024	1024	1145	1147
8/3/2018 2:00	1024	1024	1147	1147
8/3/2018 3:00	1024	1024	1147	1151
8/3/2018 4:00	1024	1025	1151	1155
8/3/2018 5:00	1025	1025	1155	1159
8/3/2018 6:00	1025	1025	1159	1160
8/3/2018 7:00	1025	1026	1157	1159
8/3/2018 8:00	1025	1026	1154	1157
8/3/2018 9:00	1025	1025	1153	1154
8/3/2018 10:00	1025	1025	1153	1155
8/3/2018 11:00	1025	1025	1152	1155
8/3/2018 12:00	1025	1025	1151	1152
8/3/2018 13:00	1024	1025	1150	1151
8/3/2018 14:00	1024	1024	1151	1152
8/3/2018 15:00	1024	1024	1152	1154
8/3/2018 16:00	1024	1024	1153	1155
8/3/2018 17:00	1024	1024	1153	1155
8/3/2018 18:00	1024	1024	1152	1154

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
8/3/2018 19:00	1024	1024	1153	1155
8/3/2018 20:00	1024	1024	1155	1157
8/3/2018 21:00	1024	1024	1157	1158
8/3/2018 22:00	1024	1024	1158	1161
8/3/2018 23:00	1024	1024	1161	1167
8/4/2018 0:00	1024	1024	1167	1170
8/4/2018 1:00	1024	1024	1170	1173
8/4/2018 2:00	1024	1024	1173	1176
8/4/2018 3:00	1024	1024	1176	1178
8/4/2018 4:00	1024	1024	1171	1178
8/4/2018 5:00	1024	1024	1158	1171
8/4/2018 6:00	1024	1024	1146	1158
8/4/2018 7:00	1024	1024	1146	1148
8/4/2018 8:00	1024	1024	1148	1172
8/4/2018 9:00	1024	1024	1168	1172
8/4/2018 10:00	1024	1025	1153	1172
8/4/2018 11:00	1024	1025	1147	1153
8/4/2018 12:00	1024	1024	1147	1147
8/4/2018 13:00	1024	1024	1147	1147
8/4/2018 14:00	1023	1024	1147	1149
8/4/2018 15:00	1023	1023	1149	1151
8/4/2018 16:00	1023	1023	1151	1154
8/4/2018 17:00	1023	1023	1154	1159
8/4/2018 18:00	1023	1023	1159	1165
8/4/2018 19:00	1023	1023	1165	1169
8/4/2018 20:00	1022	1023	1169	1173
8/4/2018 21:00	1022	1022	1173	1174
8/4/2018 22:00	1022	1022	1173	1175
8/4/2018 23:00	1022	1022	1174	1177
8/5/2018 0:00	1021	1022	1177	1181
8/5/2018 1:00	1021	1021	1181	1183
8/5/2018 2:00	1021	1021	1175	1182
8/5/2018 3:00	1021	1021	1156	1175
8/5/2018 4:00	1021	1021	1148	1156
8/5/2018 5:00	1021	1021	1145	1148
8/5/2018 6:00	1021	1021	1144	1145
8/5/2018 7:00	1021	1021	1143	1144
8/5/2018 8:00	1021	1021	1143	1143
8/5/2018 9:00	1021	1022	1143	1146
8/5/2018 10:00	1022	1022	1145	1147
8/5/2018 11:00	1022	1022	1144	1147
8/5/2018 12:00	1022	1022	1144	1164
8/5/2018 13:00	1022	1022	1146	1163
8/5/2018 14:00	1021	1022	1143	1146
8/5/2018 15:00	1021	1021	1144	1148
8/5/2018 16:00	1021	1021	1147	1154
8/5/2018 17:00	1020	1021	1154	1160
8/5/2018 18:00	1020	1020	1160	1163
8/5/2018 19:00	1020	1020	1163	1167
8/5/2018 20:00	1020	1020	1167	1169
8/5/2018 21:00	1020	1020	1167	1169
8/5/2018 22:00	1020	1020	1167	1167
8/5/2018 23:00	1020	1020	1166	1167
8/6/2018 0:00	1020	1020	1163	1166
8/6/2018 1:00	1020	1020	1161	1163
8/6/2018 2:00	1020	1020	1160	1161
8/6/2018 3:00	1020	1020	1153	1160
8/6/2018 4:00	1020	1020	1153	1156
8/6/2018 5:00	1020	1020	1155	1160
8/6/2018 6:00	1020	1021	1160	1161
8/6/2018 7:00	1021	1021	1160	1160
8/6/2018 8:00	1021	1021	1159	1161
8/6/2018 9:00	1021	1021	1161	1162
8/6/2018 10:00	1021	1021	1161	1162
8/6/2018 11:00	1021	1021	1161	1162
8/6/2018 12:00	1020	1021	1160	1161
8/6/2018 13:00	1020	1020	1160	1161
8/6/2018 14:00	1020	1020	1159	1161
8/6/2018 15:00	1020	1020	1159	1161
8/6/2018 16:00	1020	1020	1157	1159
8/6/2018 17:00	1020	1020	1158	1159
8/6/2018 18:00	1019	1020	1156	1158
8/6/2018 19:00	1019	1020	1157	1158
8/6/2018 20:00	1020	1020	1157	1158
8/6/2018 21:00	1020	1021	1158	1159

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
8/6/2018 22:00	1021	1021	1158	1159
8/6/2018 23:00	1021	1021	1158	1160
8/7/2018 0:00	1021	1021	1160	1160
8/7/2018 1:00	1021	1022	1159	1160
8/7/2018 2:00	1022	1022	1159	1160
8/7/2018 3:00	1022	1022	1155	1160
8/7/2018 4:00	1022	1022	1153	1155
8/7/2018 5:00	1022	1022	1153	1154
8/7/2018 6:00	1022	1022	1154	1156
8/7/2018 7:00	1022	1022	1156	1157
8/7/2018 8:00	1022	1022	1156	1157
8/7/2018 9:00	1022	1023	1157	1158
8/7/2018 10:00	1023	1023	1154	1158
8/7/2018 11:00	1023	1024	1154	1156
8/7/2018 12:00	1024	1024	1156	1156
8/7/2018 13:00	1024	1024	1156	1157
8/7/2018 14:00	1024	1024	1157	1160
8/7/2018 15:00	1024	1024	1160	1169
8/7/2018 16:00	1024	1024	1163	1169
8/7/2018 17:00	1024	1024	1161	1163
8/7/2018 18:00	1024	1024	1161	1161
8/7/2018 19:00	1024	1024	1160	1161
8/7/2018 20:00	1024	1024	1161	1165
8/7/2018 21:00	1024	1024	1165	1165
8/7/2018 22:00	1024	1024	1165	1167
8/7/2018 23:00	1024	1024	1167	1170
8/8/2018 0:00	1024	1024	1170	1170
8/8/2018 1:00	1024	1024	1170	1172
8/8/2018 2:00	1024	1024	1171	1172
8/8/2018 3:00	1024	1024	1168	1171
8/8/2018 4:00	1024	1024	1167	1168
8/8/2018 5:00	1024	1024	1163	1167
8/8/2018 6:00	1024	1024	1161	1163
8/8/2018 7:00	1024	1024	1161	1162
8/8/2018 8:00	1024	1024	1160	1162
8/8/2018 9:00	1024	1024	1160	1161
8/8/2018 10:00	1024	1024	1161	1163
8/8/2018 11:00	1024	1024	1158	1161
8/8/2018 12:00	1024	1024	1157	1158
8/8/2018 13:00	1024	1024	1157	1159
8/8/2018 14:00	1023	1024	1158	1159
8/8/2018 15:00	1023	1023	1158	1159
8/8/2018 16:00	1023	1023	1159	1163
8/8/2018 17:00	1023	1023	1163	1169
8/8/2018 18:00	1023	1023	1169	1175
8/8/2018 19:00	1023	1023	1175	1179
8/8/2018 20:00	1023	1023	1179	1182
8/8/2018 21:00	1023	1023	1182	1186
8/8/2018 22:00	1023	1023	1186	1189
8/8/2018 23:00	1023	1023	1175	1189
8/9/2018 0:00	1023	1023	1175	1176
8/9/2018 1:00	1023	1023	1175	1176
8/9/2018 2:00	1023	1023	1169	1176
8/9/2018 3:00	1023	1023	1161	1169
8/9/2018 4:00	1023	1024	1153	1161
8/9/2018 5:00	1024	1024	1150	1153
8/9/2018 6:00	1024	1024	1150	1151
8/9/2018 7:00	1024	1025	1151	1153
8/9/2018 8:00	1025	1025	1153	1156
8/9/2018 9:00	1025	1025	1155	1156
8/9/2018 10:00	1025	1025	1155	1156
8/9/2018 11:00	1025	1026	1153	1156
8/9/2018 12:00	1025	1026	1156	1159
8/9/2018 13:00	1025	1025	1159	1159
8/9/2018 14:00	1025	1025	1158	1159
8/9/2018 15:00	1024	1025	1158	1161
8/9/2018 16:00	1024	1024	1161	1166
8/9/2018 17:00	1024	1024	1166	1173
8/9/2018 18:00	1024	1024	1173	1180
8/9/2018 19:00	1024	1024	1180	1182
8/9/2018 20:00	1024	1025	1182	1187
8/9/2018 21:00	1025	1026	1186	1189
8/9/2018 22:00	1026	1026	1188	1190
8/9/2018 23:00	1026	1026	1190	1191
8/10/2018 0:00	1025	1026	1189	1191

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
8/10/2018 1:00	1025	1025	1189	1189
8/10/2018 2:00	1025	1025	1183	1189
8/10/2018 3:00	1024	1025	1173	1183
8/10/2018 4:00	1024	1024	1160	1173
8/10/2018 5:00	1024	1024	1158	1160
8/10/2018 6:00	1024	1024	1156	1158
8/10/2018 7:00	1024	1024	1154	1156
8/10/2018 8:00	1024	1024	1154	1155
8/10/2018 9:00	1024	1025	1154	1155
8/10/2018 10:00	1025	1025	1153	1155
8/10/2018 11:00	1025	1026	1153	1156
8/10/2018 12:00	1026	1026	1156	1159
8/10/2018 13:00	1025	1026	1158	1160
8/10/2018 14:00	1025	1025	1158	1158
8/10/2018 15:00	1024	1025	1158	1158
8/10/2018 16:00	1024	1024	1158	1158
8/10/2018 17:00	1023	1024	1158	1158
8/10/2018 18:00	1023	1023	1158	1158
8/10/2018 19:00	1023	1023	1158	1158
8/10/2018 20:00	1023	1023	1158	1158
8/10/2018 21:00	1023	1023	1158	1158
8/10/2018 22:00	1022	1023	1158	1158
8/10/2018 23:00	1022	1022	1158	1158
8/11/2018 0:00	1022	1022	1158	1158
8/11/2018 1:00	1022	1022	1158	1158
8/11/2018 2:00	1022	1022	1158	1158
8/11/2018 3:00	1022	1023	1158	1158
8/11/2018 4:00	1023	1023	1158	1158
8/11/2018 5:00	1023	1023	1158	1158
8/11/2018 6:00	1023	1023	1158	1158
8/11/2018 7:00	1023	1023	1158	1158
8/11/2018 8:00	1023	1024	1158	1158
8/11/2018 9:00	1024	1024	1158	1158
8/11/2018 10:00	1024	1024	1158	1158
8/11/2018 11:00	1024	1024	1158	1158
8/11/2018 12:00	1024	1024	1158	1158
8/11/2018 13:00	1024	1024	1158	1158
8/11/2018 14:00	1023	1024	1158	1158
8/11/2018 15:00	1023	1023	1158	1158
8/11/2018 16:00	1023	1023	1158	1158
8/11/2018 17:00	1023	1023	1158	1158
8/11/2018 18:00	1023	1023	1158	1158
8/11/2018 19:00	1023	1023	1158	1158
8/11/2018 20:00	1023	1024	1158	1158
8/11/2018 21:00	1024	1024	1158	1158
8/11/2018 22:00	1024	1024	1158	1158
8/11/2018 23:00	1024	1024	1158	1158
8/12/2018 0:00	1024	1024	1158	1158
8/12/2018 1:00	1024	1024	1158	1158
8/12/2018 2:00	1024	1025	1158	1158
8/12/2018 3:00	1025	1025	1158	1158
8/12/2018 4:00	1025	1025	1158	1158
8/12/2018 5:00	1025	1025	1158	1158
8/12/2018 6:00	1025	1025	1158	1158
8/12/2018 7:00	1025	1026	1158	1158
8/12/2018 8:00	1026	1026	1158	1158
8/12/2018 9:00	1026	1026	1158	1158
8/12/2018 10:00	1026	1026	1158	1158
8/12/2018 11:00	1026	1026	1158	1158
8/12/2018 12:00	1026	1026	1158	1158
8/12/2018 13:00	1025	1026	1158	1158
8/12/2018 14:00	1025	1025	1158	1158
8/12/2018 15:00	1025	1025	1158	1158
8/12/2018 16:00	1025	1025	1158	1158
8/12/2018 17:00	1025	1025	1158	1158
8/12/2018 18:00	1025	1025	1158	1158
8/12/2018 19:00	1024	1025	1158	1158
8/12/2018 20:00	1024	1024	1158	1158
8/12/2018 21:00	1024	1024	1158	1158
8/12/2018 22:00	1024	1024	1158	1158
8/12/2018 23:00	1024	1025	1158	1158
8/13/2018 0:00	1025	1025	1158	1158
8/13/2018 1:00	1025	1026	1158	1158
8/13/2018 2:00	1026	1027	1158	1158
8/13/2018 3:00	1027	1028	1158	1158

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
8/13/2018 4:00	1028	1030	1158	1158
8/13/2018 5:00	1030	1031	1158	1158
8/13/2018 6:00	1031	1031	1158	1158
8/13/2018 7:00	1031	1031	1158	1158
8/13/2018 8:00	1031	1031	1158	1158
8/13/2018 9:00	1030	1031	1158	1158
8/13/2018 10:00	1029	1030	1158	1158
8/13/2018 11:00	1028	1029	1158	1158
8/13/2018 12:00	1027	1028	1158	1158
8/13/2018 13:00	1027	1027	1158	1158
8/13/2018 14:00	1027	1027	1158	1169
8/13/2018 15:00	1027	1027	1169	1171
8/13/2018 16:00	1026	1027	1171	1172
8/13/2018 17:00	1026	1026	1172	1175
8/13/2018 18:00	1026	1026	1175	1180
8/13/2018 19:00	1026	1026	1180	1184
8/13/2018 20:00	1026	1026	1181	1183
8/13/2018 21:00	1026	1026	1181	1187
8/13/2018 22:00	1025	1026	1187	1191
8/13/2018 23:00	1025	1025	1191	1197
8/14/2018 0:00	1025	1025	1197	1199
8/14/2018 1:00	1025	1025	1199	1200
8/14/2018 2:00	1025	1025	1200	1200
8/14/2018 3:00	1025	1025	1198	1200
8/14/2018 4:00	1025	1026	1184	1198
8/14/2018 5:00	1026	1027	1165	1184
8/14/2018 6:00	1027	1028	1156	1165
8/14/2018 7:00	1028	1028	1144	1156
8/14/2018 8:00	1028	1028	1144	1147
8/14/2018 9:00	1027	1028	1146	1148
8/14/2018 10:00	1026	1027	1144	1147
8/14/2018 11:00	1025	1026	1145	1147
8/14/2018 12:00	1024	1025	1147	1150
8/14/2018 13:00	1024	1024	1150	1151
8/14/2018 14:00	1024	1024	1151	1152
8/14/2018 15:00	1023	1024	1150	1152
8/14/2018 16:00	1023	1023	1150	1154
8/14/2018 17:00	1023	1023	1148	1154
8/14/2018 18:00	1023	1023	1146	1148
8/14/2018 19:00	1023	1023	1146	1147
8/14/2018 20:00	1023	1023	1145	1146
8/14/2018 21:00	1022	1023	1145	1145
8/14/2018 22:00	1022	1022	1145	1146
8/14/2018 23:00	1022	1022	1145	1148
8/15/2018 0:00	1022	1023	1148	1149
8/15/2018 1:00	1022	1023	1147	1148
8/15/2018 2:00	1022	1022	1146	1148
8/15/2018 3:00	1022	1022	1148	1149
8/15/2018 4:00	1022	1022	1148	1149
8/15/2018 5:00	1022	1022	1148	1150
8/15/2018 6:00	1022	1022	1150	1175
8/15/2018 7:00	1022	1022	1175	1175
8/15/2018 8:00	1022	1022	1175	1175
8/15/2018 9:00	1022	1022	1175	1175
8/15/2018 10:00	1022	1022	1175	1175
8/15/2018 11:00	1022	1022	1175	1175
8/15/2018 12:00	1022	1022	1175	1175
8/15/2018 13:00	1022	1022	1175	1175
8/15/2018 14:00	1022	1022	1175	1175
8/15/2018 15:00	1022	1022	1175	1175
8/15/2018 16:00	1022	1022	1175	1175
8/15/2018 17:00	1022	1022	1175	1175
8/15/2018 18:00	1022	1022	1175	1175
8/15/2018 19:00	1022	1022	1175	1175
8/15/2018 20:00	1022	1022	1175	1175
8/15/2018 21:00	1022	1022	1175	1175
8/15/2018 22:00	1022	1022	1175	1175
8/15/2018 23:00	1022	1022	1175	1175
8/16/2018 0:00	1022	1022	1175	1175
8/16/2018 1:00	1022	1022	1175	1175
8/16/2018 2:00	1022	1022	1175	1175
8/16/2018 3:00	1022	1022	1175	1175
8/16/2018 4:00	1022	1022	1175	1175
8/16/2018 5:00	1022	1022	1175	1175
8/16/2018 6:00	1022	1022	1175	1175

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
8/16/2018 7:00	1021	1022	1175	1175
8/16/2018 8:00	1021	1021	1175	1175
8/16/2018 9:00	1021	1021	1154	1175
8/16/2018 10:00	1021	1021	1154	1155
8/16/2018 11:00	1021	1021	1153	1154
8/16/2018 12:00	1021	1021	1153	1153
8/16/2018 13:00	1021	1021	1153	1153
8/16/2018 14:00	1021	1022	1153	1153
8/16/2018 15:00	1022	1022	1153	1154
8/16/2018 16:00	1022	1023	1154	1155
8/16/2018 17:00	1023	1023	1155	1157
8/16/2018 18:00	1023	1023	1157	1166
8/16/2018 19:00	1023	1023	1166	1167
8/16/2018 20:00	1023	1023	1167	1169
8/16/2018 21:00	1023	1023	1169	1171
8/16/2018 22:00	1023	1023	1171	1172
8/16/2018 23:00	1023	1024	1172	1176
8/17/2018 0:00	1024	1024	1176	1177
8/17/2018 1:00	1024	1024	1173	1177
8/17/2018 2:00	1024	1024	1164	1173
8/17/2018 3:00	1024	1024	1154	1164
8/17/2018 4:00	1024	1024	1151	1154
8/17/2018 5:00	1023	1024	1149	1151
8/17/2018 6:00	1023	1023	1149	1151
8/17/2018 7:00	1023	1023	1150	1150
8/17/2018 8:00	1023	1023	1150	1150
8/17/2018 9:00	1022	1023	1150	1150
8/17/2018 10:00	1022	1022	1150	1152
8/17/2018 11:00	1021	1022	1151	1152
8/17/2018 12:00	1021	1021	1151	1153
8/17/2018 13:00	1021	1021	1153	1154
8/17/2018 14:00	1021	1021	1153	1154
8/17/2018 15:00	1021	1021	1153	1155
8/17/2018 16:00	1021	1021	1155	1160
8/17/2018 17:00	1021	1022	1160	1165
8/17/2018 18:00	1022	1022	1165	1166
8/17/2018 19:00	1022	1022	1166	1167
8/17/2018 20:00	1021	1022	1167	1168
8/17/2018 21:00	1021	1021	1166	1168
8/17/2018 22:00	1021	1021	1166	1166
8/17/2018 23:00	1021	1021	1164	1166
8/18/2018 0:00	1021	1021	1160	1164
8/18/2018 1:00	1021	1022	1156	1160
8/18/2018 2:00	1022	1022	1148	1156
8/18/2018 3:00	1022	1022	1146	1148
8/18/2018 4:00	1022	1022	1148	1152
8/18/2018 5:00	1022	1022	1152	1154
8/18/2018 6:00	1022	1022	1151	1152
8/18/2018 7:00	1022	1023	1152	1152
8/18/2018 8:00	1023	1023	1152	1152
8/18/2018 9:00	1022	1023	1152	1153
8/18/2018 10:00	1022	1022	1152	1153
8/18/2018 11:00	1022	1022	1152	1154
8/18/2018 12:00	1022	1022	1152	1153
8/18/2018 13:00	1022	1022	1152	1152
8/18/2018 14:00	1022	1022	1152	1152
8/18/2018 15:00	1022	1022	1152	1152
8/18/2018 16:00	1022	1022	1152	1154
8/18/2018 17:00	1021	1022	1154	1158
8/18/2018 18:00	1021	1021	1157	1161
8/18/2018 19:00	1021	1021	1161	1164
8/18/2018 20:00	1021	1021	1163	1164
8/18/2018 21:00	1021	1021	1163	1165
8/18/2018 22:00	1021	1021	1163	1163
8/18/2018 23:00	1021	1021	1162	1163
8/19/2018 0:00	1021	1021	1162	1164
8/19/2018 1:00	1021	1021	1160	1163
8/19/2018 2:00	1021	1021	1155	1160
8/19/2018 3:00	1021	1021	1151	1155
8/19/2018 4:00	1021	1021	1150	1153
8/19/2018 5:00	1021	1021	1151	1153
8/19/2018 6:00	1021	1021	1150	1151
8/19/2018 7:00	1021	1021	1148	1150
8/19/2018 8:00	1021	1021	1145	1148
8/19/2018 9:00	1021	1021	1145	1147

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
8/19/2018 10:00	1021	1021	1147	1149
8/19/2018 11:00	1020	1021	1149	1151
8/19/2018 12:00	1020	1020	1150	1151
8/19/2018 13:00	1020	1020	1149	1151
8/19/2018 14:00	1020	1020	1149	1151
8/19/2018 15:00	1020	1020	1151	1155
8/19/2018 16:00	1020	1020	1155	1159
8/19/2018 17:00	1020	1020	1159	1163
8/19/2018 18:00	1020	1020	1163	1167
8/19/2018 19:00	1020	1020	1166	1167
8/19/2018 20:00	1020	1020	1166	1173
8/19/2018 21:00	1020	1020	1173	1184
8/19/2018 22:00	1019	1020	1182	1195
8/19/2018 23:00	1019	1019	1175	1182
8/20/2018 0:00	1019	1019	1169	1175
8/20/2018 1:00	1019	1019	1166	1169
8/20/2018 2:00	1019	1019	1166	1166
8/20/2018 3:00	1019	1019	1160	1166
8/20/2018 4:00	1019	1020	1153	1160
8/20/2018 5:00	1020	1021	1153	1154
8/20/2018 6:00	1021	1022	1153	1154
8/20/2018 7:00	1022	1022	1151	1153
8/20/2018 8:00	1022	1022	1146	1151
8/20/2018 9:00	1020	1022	1145	1146
8/20/2018 10:00	1019	1020	1145	1147
8/20/2018 11:00	1019	1019	1147	1149
8/20/2018 12:00	1019	1020	1149	1150
8/20/2018 13:00	1020	1020	1146	1150
8/20/2018 14:00	1020	1021	1145	1146
8/20/2018 15:00	1021	1021	1145	1145
8/20/2018 16:00	1021	1021	1145	1147
8/20/2018 17:00	1021	1021	1147	1148
8/20/2018 18:00	1021	1021	1148	1149
8/20/2018 19:00	1021	1021	1149	1151
8/20/2018 20:00	1021	1021	1150	1152
8/20/2018 21:00	1021	1021	1151	1153
8/20/2018 22:00	1021	1021	1153	1155
8/20/2018 23:00	1021	1022	1155	1156
8/21/2018 0:00	1022	1022	1156	1156
8/21/2018 1:00	1022	1023	1153	1156
8/21/2018 2:00	1023	1023	1149	1153
8/21/2018 3:00	1023	1023	1147	1149
8/21/2018 4:00	1022	1023	1147	1151
8/21/2018 5:00	1022	1023	1151	1152
8/21/2018 6:00	1023	1023	1152	1153
8/21/2018 7:00	1023	1024	1153	1154
8/21/2018 8:00	1024	1024	1154	1154
8/21/2018 9:00	1024	1024	1152	1154
8/21/2018 10:00	1024	1024	1152	1153
8/21/2018 11:00	1024	1024	1152	1152
8/21/2018 12:00	1024	1024	1152	1153
8/21/2018 13:00	1024	1024	1152	1153
8/21/2018 14:00	1024	1024	1152	1153
8/21/2018 15:00	1024	1024	1153	1153
8/21/2018 16:00	1024	1024	1153	1154
8/21/2018 17:00	1024	1024	1154	1155
8/21/2018 18:00	1024	1024	1153	1155
8/21/2018 19:00	1024	1024	1153	1154
8/21/2018 20:00	1024	1024	1154	1155
8/21/2018 21:00	1024	1024	1153	1154
8/21/2018 22:00	1024	1024	1151	1154
8/21/2018 23:00	1024	1024	1151	1153
8/22/2018 0:00	1024	1024	1152	1153
8/22/2018 1:00	1024	1025	1151	1152
8/22/2018 2:00	1025	1025	1149	1151
8/22/2018 3:00	1025	1025	1149	1149
8/22/2018 4:00	1025	1025	1149	1152
8/22/2018 5:00	1025	1026	1152	1155
8/22/2018 6:00	1026	1026	1155	1160
8/22/2018 7:00	1025	1026	1160	1160
8/22/2018 8:00	1025	1025	1158	1160
8/22/2018 9:00	1025	1026	1158	1158
8/22/2018 10:00	1026	1026	1158	1159
8/22/2018 11:00	1026	1026	1159	1159
8/22/2018 12:00	1025	1026	1159	1160

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
8/22/2018 13:00	1024	1025	1159	1160
8/22/2018 14:00	1024	1024	1159	1162
8/22/2018 15:00	1024	1024	1159	1162
8/22/2018 16:00	1024	1025	1160	1161
8/22/2018 17:00	1025	1025	1160	1161
8/22/2018 18:00	1025	1025	1160	1161
8/22/2018 19:00	1025	1025	1160	1161
8/22/2018 20:00	1025	1025	1161	1164
8/22/2018 21:00	1025	1025	1160	1164
8/22/2018 22:00	1025	1025	1159	1162
8/22/2018 23:00	1024	1025	1159	1162
8/23/2018 0:00	1024	1024	1159	1161
8/23/2018 1:00	1024	1024	1161	1163
8/23/2018 2:00	1024	1024	1163	1164
8/23/2018 3:00	1024	1024	1159	1164
8/23/2018 4:00	1024	1024	1148	1159
8/23/2018 5:00	1024	1024	1148	1152
8/23/2018 6:00	1024	1024	1152	1155
8/23/2018 7:00	1024	1024	1155	1156
8/23/2018 8:00	1024	1024	1156	1157
8/23/2018 9:00	1024	1025	1156	1157
8/23/2018 10:00	1025	1026	1156	1157
8/23/2018 11:00	1026	1026	1156	1157
8/23/2018 12:00	1026	1026	1157	1157
8/23/2018 13:00	1026	1026	1156	1157
8/23/2018 14:00	1025	1026	1155	1158
8/23/2018 15:00	1025	1025	1153	1155
8/23/2018 16:00	1025	1026	1154	1156
8/23/2018 17:00	1026	1026	1156	1161
8/23/2018 18:00	1026	1026	1161	1163
8/23/2018 19:00	1026	1026	1163	1164
8/23/2018 20:00	1026	1026	1164	1164
8/23/2018 21:00	1026	1026	1163	1164
8/23/2018 22:00	1026	1026	1163	1163
8/23/2018 23:00	1025	1026	1163	1165
8/24/2018 0:00	1025	1025	1165	1168
8/24/2018 1:00	1025	1025	1166	1167
8/24/2018 2:00	1025	1025	1159	1166
8/24/2018 3:00	1025	1025	1153	1159
8/24/2018 4:00	1025	1025	1152	1156
8/24/2018 5:00	1025	1025	1155	1156
8/24/2018 6:00	1025	1026	1150	1155
8/24/2018 7:00	1026	1026	1148	1150
8/24/2018 8:00	1026	1026	1148	1148
8/24/2018 9:00	1026	1026	1147	1149
8/24/2018 10:00	1026	1027	1147	1149
8/24/2018 11:00	1027	1027	1147	1152
8/24/2018 12:00	1027	1027	1148	1151
8/24/2018 13:00	1027	1027	1149	1151
8/24/2018 14:00	1027	1027	1148	1149
8/24/2018 15:00	1027	1027	1148	1149
8/24/2018 16:00	1027	1027	1149	1154
8/24/2018 17:00	1027	1027	1154	1156
8/24/2018 18:00	1027	1027	1156	1162
8/24/2018 19:00	1027	1027	1162	1166
8/24/2018 20:00	1027	1028	1166	1171
8/24/2018 21:00	1028	1028	1171	1176
8/24/2018 22:00	1028	1028	1169	1176
8/24/2018 23:00	1028	1029	1166	1169
8/25/2018 0:00	1029	1029	1163	1166
8/25/2018 1:00	1028	1029	1163	1165
8/25/2018 2:00	1028	1028	1161	1163
8/25/2018 3:00	1028	1028	1158	1161
8/25/2018 4:00	1027	1028	1154	1158
8/25/2018 5:00	1027	1027	1148	1154
8/25/2018 6:00	1027	1027	1148	1149
8/25/2018 7:00	1027	1027	1149	1151
8/25/2018 8:00	1027	1027	1151	1151
8/25/2018 9:00	1027	1028	1150	1151
8/25/2018 10:00	1028	1028	1150	1151
8/25/2018 11:00	1028	1028	1150	1152
8/25/2018 12:00	1028	1028	1150	1152
8/25/2018 13:00	1028	1028	1150	1151
8/25/2018 14:00	1028	1028	1149	1151
8/25/2018 15:00	1027	1028	1149	1150

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
8/25/2018 16:00	1026	1027	1150	1150
8/25/2018 17:00	1026	1026	1149	1151
8/25/2018 18:00	1026	1026	1151	1155
8/25/2018 19:00	1026	1026	1155	1158
8/25/2018 20:00	1026	1026	1158	1161
8/25/2018 21:00	1026	1026	1161	1165
8/25/2018 22:00	1026	1027	1165	1168
8/25/2018 23:00	1026	1027	1168	1172
8/26/2018 0:00	1026	1026	1171	1174
8/26/2018 1:00	1026	1026	1174	1174
8/26/2018 2:00	1026	1026	1173	1175
8/26/2018 3:00	1026	1026	1167	1173
8/26/2018 4:00	1026	1027	1158	1167
8/26/2018 5:00	1027	1027	1154	1158
8/26/2018 6:00	1027	1027	1154	1156
8/26/2018 7:00	1027	1027	1153	1156
8/26/2018 8:00	1027	1028	1153	1157
8/26/2018 9:00	1028	1028	1155	1157
8/26/2018 10:00	1028	1028	1155	1158
8/26/2018 11:00	1028	1029	1157	1158
8/26/2018 12:00	1029	1029	1156	1158
8/26/2018 13:00	1029	1029	1155	1156
8/26/2018 14:00	1029	1029	1155	1155
8/26/2018 15:00	1029	1029	1155	1158
8/26/2018 16:00	1029	1029	1158	1159
8/26/2018 17:00	1029	1029	1157	1159
8/26/2018 18:00	1029	1029	1156	1157
8/26/2018 19:00	1029	1029	1156	1156
8/26/2018 20:00	1029	1029	1156	1160
8/26/2018 21:00	1029	1029	1160	1163
8/26/2018 22:00	1028	1029	1163	1163
8/26/2018 23:00	1028	1028	1163	1163
8/27/2018 0:00	1028	1028	1160	1163
8/27/2018 1:00	1028	1028	1160	1161
8/27/2018 2:00	1028	1028	1160	1164
8/27/2018 3:00	1028	1028	1158	1164
8/27/2018 4:00	1028	1028	1154	1158
8/27/2018 5:00	1028	1028	1153	1154
8/27/2018 6:00	1027	1028	1154	1155
8/27/2018 7:00	1027	1027	1155	1157
8/27/2018 8:00	1027	1028	1157	1159
8/27/2018 9:00	1010	1028	1159	1160
8/27/2018 10:00	1010	1027	1157	1159
8/27/2018 11:00	1027	1027	1157	1157
8/27/2018 12:00	1027	1027	1157	1158
8/27/2018 13:00	1027	1027	1158	1160
8/27/2018 14:00	1027	1027	1158	1159
8/27/2018 15:00	1027	1027	1158	1159
8/27/2018 16:00	1027	1027	1158	1161
8/27/2018 17:00	1027	1027	1158	1163
8/27/2018 18:00	1027	1027	1163	1171
8/27/2018 19:00	1027	1027	1167	1171
8/27/2018 20:00	1027	1027	1163	1167
8/27/2018 21:00	1026	1027	1162	1163
8/27/2018 22:00	1026	1026	1158	1162
8/27/2018 23:00	1026	1026	1158	1159
8/28/2018 0:00	1026	1026	1155	1160
8/28/2018 1:00	1026	1026	1152	1155
8/28/2018 2:00	1026	1026	1152	1153
8/28/2018 3:00	1026	1026	1153	1157
8/28/2018 4:00	1026	1026	1156	1157
8/28/2018 5:00	1026	1026	1155	1156
8/28/2018 6:00	1026	1026	1155	1156
8/28/2018 7:00	1026	1026	1155	1155
8/28/2018 8:00	1026	1027	1155	1155
8/28/2018 9:00	1027	1027	1155	1156
8/28/2018 10:00	1027	1027	1155	1156
8/28/2018 11:00	1027	1027	1156	1156
8/28/2018 12:00	1027	1028	1156	1157
8/28/2018 13:00	1028	1028	1156	1157
8/28/2018 14:00	1028	1028	1156	1157
8/28/2018 15:00	1027	1028	1156	1157
8/28/2018 16:00	1027	1027	1156	1157
8/28/2018 17:00	1027	1027	1155	1156
8/28/2018 18:00	1027	1027	1152	1155

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
8/28/2018 19:00	1027	1027	1150	1152
8/28/2018 20:00	1027	1027	1149	1151
8/28/2018 21:00	1026	1027	1146	1149
8/28/2018 22:00	1026	1026	1142	1146
8/28/2018 23:00	1026	1026	1142	1144
8/29/2018 0:00	1026	1026	1144	1147
8/29/2018 1:00	1026	1026	1146	1147
8/29/2018 2:00	1026	1027	1146	1146
8/29/2018 3:00	1027	1027	1146	1147
8/29/2018 4:00	1027	1027	1146	1147
8/29/2018 5:00	1027	1027	1147	1150
8/29/2018 6:00	1027	1028	1150	1150
8/29/2018 7:00	1028	1028	1150	1152
8/29/2018 8:00	1028	1028	1152	1153
8/29/2018 9:00	1028	1028	1153	1153
8/29/2018 10:00	1028	1028	1153	1153
8/29/2018 11:00	1028	1028	1153	1154
8/29/2018 12:00	1028	1028	1154	1154
8/29/2018 13:00	1010	1028	1154	1154
8/29/2018 14:00	1010	1029	1152	1154
8/29/2018 15:00	1029	1029	1152	1153
8/29/2018 16:00	1029	1029	1150	1153
8/29/2018 17:00	1029	1029	1150	1152
8/29/2018 18:00	1029	1029	1152	1155
8/29/2018 19:00	1028	1029	1154	1156
8/29/2018 20:00	1028	1028	1154	1156
8/29/2018 21:00	1028	1028	1152	1156
8/29/2018 22:00	1028	1028	1146	1152
8/29/2018 23:00	1028	1029	1146	1148
8/30/2018 0:00	1029	1029	1147	1150
8/30/2018 1:00	1029	1030	1150	1151
8/30/2018 2:00	1030	1030	1151	1152
8/30/2018 3:00	1030	1030	1150	1152
8/30/2018 4:00	1030	1030	1150	1151
8/30/2018 5:00	1030	1030	1151	1152
8/30/2018 6:00	1029	1030	1151	1151
8/30/2018 7:00	1029	1029	1151	1151
8/30/2018 8:00	1029	1029	1151	1152
8/30/2018 9:00	1029	1029	1152	1153
8/30/2018 10:00	1029	1030	1152	1153
8/30/2018 11:00	1030	1030	1152	1152
8/30/2018 12:00	1030	1030	1152	1153
8/30/2018 13:00	1030	1030	1153	1156
8/30/2018 14:00	1030	1030	1155	1167
8/30/2018 15:00	1030	1030	1166	1180
8/30/2018 16:00	1029	1030	1180	1188
8/30/2018 17:00	1029	1029	1187	1189
8/30/2018 18:00	1029	1029	1184	1189
8/30/2018 19:00	1029	1029	1184	1186
8/30/2018 20:00	1029	1029	1184	1186
8/30/2018 21:00	1029	1029	1185	1186
8/30/2018 22:00	1029	1029	1177	1185
8/30/2018 23:00	1029	1029	1172	1177
8/31/2018 0:00	1029	1029	1172	1172
8/31/2018 1:00	1028	1029	1172	1175
8/31/2018 2:00	1028	1028	1175	1175
8/31/2018 3:00	1028	1028	1175	1178
8/31/2018 4:00	1028	1029	1178	1178
8/31/2018 5:00	1029	1029	1178	1178
8/31/2018 6:00	1029	1029	1178	1179
8/31/2018 7:00	1029	1029	1179	1179
8/31/2018 8:00	1029	1029	1175	1179
8/31/2018 9:00	1029	1029	1175	1176
8/31/2018 10:00	1029	1029	1175	1176
8/31/2018 11:00	1029	1029	1172	1175
8/31/2018 12:00	1029	1029	1169	1172
8/31/2018 13:00	1029	1030	1169	1172
8/31/2018 14:00	1030	1030	1172	1178
8/31/2018 15:00	1030	1030	1178	1182
8/31/2018 16:00	1030	1030	1182	1189
8/31/2018 17:00	1030	1030	1189	1193
8/31/2018 18:00	1030	1030	1193	1198
8/31/2018 19:00	1030	1030	1198	1199
8/31/2018 20:00	1030	1030	1197	1199
8/31/2018 21:00	1030	1031	1196	1197
8/31/2018 22:00	1030	1031	1190	1196
8/31/2018 23:00	1030	1030	1185	1191