



825 Rice Street
Saint Paul, MN 55117

June 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 May 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,

A handwritten signature in blue ink that reads 'Lisa Kallberg'.

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
5/1/2018 0:00	1030	1031	1199	1199
5/1/2018 1:00	1030	1030	1200	1200
5/1/2018 2:00	1030	1030	1200	1200
5/1/2018 3:00	1030	1030	1198	1200
5/1/2018 4:00	1030	1030	1198	1198
5/1/2018 5:00	1030	1030	1198	1198
5/1/2018 6:00	1030	1030	1198	1198
5/1/2018 7:00	1030	1030	1198	1199
5/1/2018 8:00	1029	1030	1200	1200
5/1/2018 9:00	1029	1029	1200	1200
5/1/2018 10:00	1029	1030	1200	1200
5/1/2018 11:00	1030	1030	1200	1200
5/1/2018 12:00	1030	1031	1200	1200
5/1/2018 13:00	1031	1031	1188	1200
5/1/2018 14:00	1031	1031	1188	1200
5/1/2018 15:00	1030	1031	1188	1200
5/1/2018 16:00	1030	1030	1188	1200
5/1/2018 17:00	1030	1030	1188	1200
5/1/2018 18:00	1030	1030	1188	1200
5/1/2018 19:00	1030	1030	1188	1200
5/1/2018 20:00	1030	1031	1188	1200
5/1/2018 21:00	1031	1031	1188	1200
5/1/2018 22:00	1031	1031	1188	1200
5/1/2018 23:00	1030	1031	1188	1200
5/2/2018 0:00	1030	1030	1188	1188
5/2/2018 1:00	1030	1030	1188	1200
5/2/2018 2:00	1030	1030	1188	1200
5/2/2018 3:00	1030	1030	1188	1200
5/2/2018 4:00	1030	1030	1188	1200
5/2/2018 5:00	1029	1030	1188	1200
5/2/2018 6:00	1029	1029	1188	1200
5/2/2018 7:00	1029	1029	1188	1200
5/2/2018 8:00	1029	1029	1188	1200
5/2/2018 9:00	1029	1029	1188	1200
5/2/2018 10:00	1029	1030	1188	1200
5/2/2018 11:00	1030	1030	1188	1200
5/2/2018 12:00	1030	1030	1200	1200
5/2/2018 13:00	1030	1030	1198	1200
5/2/2018 14:00	1030	1030	1199	1200
5/2/2018 15:00	1030	1030	1199	1200
5/2/2018 16:00	1030	1030	1197	1200
5/2/2018 17:00	1030	1030	1197	1198
5/2/2018 18:00	1029	1030	1197	1197
5/2/2018 19:00	1029	1029	1197	1199
5/2/2018 20:00	1029	1029	1198	1199
5/2/2018 21:00	1029	1029	1198	1199
5/2/2018 22:00	1029	1029	1199	1199
5/2/2018 23:00	1029	1029	1199	1199
5/3/2018 0:00	1029	1029	1198	1199
5/3/2018 1:00	1029	1029	1198	1198
5/3/2018 2:00	1029	1029	1198	1198
5/3/2018 3:00	1029	1029	1198	1199
5/3/2018 4:00	1029	1029	1199	1199
5/3/2018 5:00	1029	1029	1198	1199
5/3/2018 6:00	1029	1029	1199	1199
5/3/2018 7:00	1029	1029	1199	1200
5/3/2018 8:00	1027	1029	1199	1200
5/3/2018 9:00	1027	1027	1200	1200
5/3/2018 10:00	1027	1027	1199	1200
5/3/2018 11:00	1027	1028	1199	1200
5/3/2018 12:00	1028	1028	1200	1200
5/3/2018 13:00	1028	1028	1199	1200
5/3/2018 14:00	1028	1028	1200	1200
5/3/2018 15:00	1028	1028	1200	1200
5/3/2018 16:00	1028	1028	1199	1200
5/3/2018 17:00	1028	1028	1198	1199
5/3/2018 18:00	1028	1028	1198	1199

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
5/3/2018 19:00	1028	1028	1199	1200
5/3/2018 20:00	1028	1029	1199	1200
5/3/2018 21:00	1029	1030	1198	1200
5/3/2018 22:00	1030	1030	1198	1199
5/3/2018 23:00	1030	1030	1198	1198
5/4/2018 0:00	1030	1030	1198	1198
5/4/2018 1:00	1029	1030	1198	1198
5/4/2018 2:00	1028	1029	1197	1198
5/4/2018 3:00	1028	1028	1197	1198
5/4/2018 4:00	1028	1028	1192	1198
5/4/2018 5:00	1028	1028	1192	1195
5/4/2018 6:00	1027	1028	1195	1198
5/4/2018 7:00	1027	1027	1197	1198
5/4/2018 8:00	1027	1027	1197	1198
5/4/2018 9:00	1027	1027	1198	1199
5/4/2018 10:00	1026	1027	1199	1199
5/4/2018 11:00	1026	1026	1197	1199
5/4/2018 12:00	1026	1026	1197	1198
5/4/2018 13:00	1025	1026	1198	1199
5/4/2018 14:00	1024	1025	1198	1199
5/4/2018 15:00	1024	1024	1198	1200
5/4/2018 16:00	1024	1024	1200	1200
5/4/2018 17:00	1024	1024	1197	1200
5/4/2018 18:00	1024	1024	1197	1199
5/4/2018 19:00	1024	1024	1193	1199
5/4/2018 20:00	1024	1024	1178	1193
5/4/2018 21:00	1024	1024	1178	1178
5/4/2018 22:00	1024	1024	1177	1178
5/4/2018 23:00	1024	1024	1176	1177
5/5/2018 0:00	1024	1024	1177	1178
5/5/2018 1:00	1023	1024	1178	1179
5/5/2018 2:00	1023	1023	1178	1179
5/5/2018 3:00	1023	1023	1178	1179
5/5/2018 4:00	1023	1023	1179	1181
5/5/2018 5:00	1023	1023	1180	1182
5/5/2018 6:00	1023	1023	1178	1180
5/5/2018 7:00	1023	1023	1178	1181
5/5/2018 8:00	1023	1023	1181	1181
5/5/2018 9:00	1023	1023	1181	1182
5/5/2018 10:00	1021	1023	1180	1181
5/5/2018 11:00	1021	1021	1178	1180
5/5/2018 12:00	1021	1021	1179	1179
5/5/2018 13:00	1021	1022	1179	1181
5/5/2018 14:00	1021	1022	1181	1181
5/5/2018 15:00	1021	1022	1181	1181
5/5/2018 16:00	1022	1022	1181	1181
5/5/2018 17:00	1022	1022	1180	1181
5/5/2018 18:00	1021	1022	1181	1183
5/5/2018 19:00	1020	1021	1181	1182
5/5/2018 20:00	1020	1020	1180	1181
5/5/2018 21:00	1020	1020	1179	1180
5/5/2018 22:00	1020	1020	1177	1179
5/5/2018 23:00	1020	1020	1176	1177
5/6/2018 0:00	1020	1020	1177	1178
5/6/2018 1:00	1020	1020	1176	1178
5/6/2018 2:00	1019	1020	1176	1177
5/6/2018 3:00	1019	1019	1177	1178
5/6/2018 4:00	1019	1019	1174	1179
5/6/2018 5:00	1019	1019	1179	1185
5/6/2018 6:00	1019	1019	1182	1184
5/6/2018 7:00	1019	1019	1182	1183
5/6/2018 8:00	1019	1020	1183	1184
5/6/2018 9:00	1020	1020	1183	1185
5/6/2018 10:00	1020	1020	1185	1188
5/6/2018 11:00	1020	1020	1187	1188
5/6/2018 12:00	1020	1021	1183	1187
5/6/2018 13:00	1021	1022	1184	1184
5/6/2018 14:00	1022	1022	1183	1184
5/6/2018 15:00	1022	1023	1183	1183
5/6/2018 16:00	1023	1023	1180	1183
5/6/2018 17:00	1022	1023	1180	1182
5/6/2018 18:00	1022	1022	1180	1181
5/6/2018 19:00	1022	1023	1179	1180
5/6/2018 20:00	1023	1023	1178	1179
5/6/2018 21:00	1022	1023	1177	1178

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
5/6/2018 22:00	1022	1022	1176	1177
5/6/2018 23:00	1022	1022	1176	1176
5/7/2018 0:00	1022	1023	1176	1177
5/7/2018 1:00	1023	1023	1177	1179
5/7/2018 2:00	1023	1023	1178	1179
5/7/2018 3:00	1023	1023	1177	1178
5/7/2018 4:00	1023	1023	1177	1179
5/7/2018 5:00	1023	1023	1177	1181
5/7/2018 6:00	1023	1023	1176	1180
5/7/2018 7:00	1023	1024	1179	1181
5/7/2018 8:00	1024	1024	1179	1181
5/7/2018 9:00	1024	1024	1179	1181
5/7/2018 10:00	1024	1024	1179	1181
5/7/2018 11:00	1024	1025	1180	1181
5/7/2018 12:00	1025	1025	1179	1181
5/7/2018 13:00	1025	1025	1179	1180
5/7/2018 14:00	1025	1026	1178	1179
5/7/2018 15:00	1026	1026	1177	1178
5/7/2018 16:00	1026	1026	1178	1179
5/7/2018 17:00	1026	1026	1179	1179
5/7/2018 18:00	1026	1026	1178	1179
5/7/2018 19:00	1026	1026	1178	1178
5/7/2018 20:00	1026	1026	1177	1178
5/7/2018 21:00	1026	1026	1176	1178
5/7/2018 22:00	1026	1026	1176	1177
5/7/2018 23:00	1026	1026	1176	1177
5/8/2018 0:00	1026	1026	1176	1178
5/8/2018 1:00	1025	1026	1176	1178
5/8/2018 2:00	1025	1025	1176	1177
5/8/2018 3:00	1025	1025	1177	1177
5/8/2018 4:00	1025	1025	1177	1179
5/8/2018 5:00	1025	1025	1179	1179
5/8/2018 6:00	1025	1025	1179	1180
5/8/2018 7:00	1025	1025	1180	1182
5/8/2018 8:00	1025	1025	1182	1188
5/8/2018 9:00	1025	1025	1188	1189
5/8/2018 10:00	1025	1025	1188	1189
5/8/2018 11:00	1025	1025	1185	1188
5/8/2018 12:00	1025	1025	1185	1187
5/8/2018 13:00	1025	1025	1183	1185
5/8/2018 14:00	1025	1025	1180	1183
5/8/2018 15:00	1024	1025	1179	1181
5/8/2018 16:00	1024	1024	1176	1179
5/8/2018 17:00	1023	1024	1061	1177
5/8/2018 18:00	1023	1023	1061	1094
5/8/2018 19:00	1023	1024	1094	1104
5/8/2018 20:00	1024	1024	1104	1118
5/8/2018 21:00	1024	1024	1118	1119
5/8/2018 22:00	1024	1024	1119	1120
5/8/2018 23:00	1024	1024	1119	1121
5/9/2018 0:00	1024	1024	1121	1123
5/9/2018 1:00	1024	1024	1121	1124
5/9/2018 2:00	1024	1024	1124	1128
5/9/2018 3:00	1024	1024	1127	1128
5/9/2018 4:00	1024	1024	1117	1127
5/9/2018 5:00	1024	1024	1115	1128
5/9/2018 6:00	1024	1024	1128	1167
5/9/2018 7:00	1024	1024	1167	1179
5/9/2018 8:00	1024	1024	1179	1181
5/9/2018 9:00	1024	1024	1181	1183
5/9/2018 10:00	1024	1024	1183	1185
5/9/2018 11:00	1024	1024	1183	1185
5/9/2018 12:00	1024	1024	1182	1183
5/9/2018 13:00	1024	1024	1181	1183
5/9/2018 14:00	1023	1024	1180	1181
5/9/2018 15:00	1023	1023	1178	1180
5/9/2018 16:00	1023	1023	1175	1178
5/9/2018 17:00	1023	1023	1174	1175
5/9/2018 18:00	1023	1023	1173	1175
5/9/2018 19:00	1023	1023	1172	1173
5/9/2018 20:00	1023	1023	1171	1173
5/9/2018 21:00	1023	1023	1171	1172
5/9/2018 22:00	1023	1023	1172	1174
5/9/2018 23:00	1023	1023	1173	1176
5/10/2018 0:00	1023	1023	1176	1177

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
5/10/2018 1:00	1023	1023	1177	1178
5/10/2018 2:00	1023	1023	1177	1178
5/10/2018 3:00	1023	1023	1178	1180
5/10/2018 4:00	1023	1023	1178	1180
5/10/2018 5:00	1023	1023	1179	1180
5/10/2018 6:00	1023	1023	1179	1179
5/10/2018 7:00	1023	1023	1179	1179
5/10/2018 8:00	1023	1023	1179	1179
5/10/2018 9:00	1023	1023	1179	1179
5/10/2018 10:00	1023	1023	1178	1179
5/10/2018 11:00	1023	1024	1177	1184
5/10/2018 12:00	1024	1024	1182	1184
5/10/2018 13:00	1023	1024	1180	1182
5/10/2018 14:00	1023	1023	1178	1180
5/10/2018 15:00	1023	1023	1178	1178
5/10/2018 16:00	1023	1023	1178	1178
5/10/2018 17:00	1023	1023	1177	1178
5/10/2018 18:00	1023	1023	1177	1178
5/10/2018 19:00	1023	1023	1176	1178
5/10/2018 20:00	1023	1023	1175	1176
5/10/2018 21:00	1023	1023	1176	1178
5/10/2018 22:00	1022	1023	1176	1178
5/10/2018 23:00	1022	1022	1175	1176
5/11/2018 0:00	1022	1022	1176	1177
5/11/2018 1:00	1022	1023	1177	1179
5/11/2018 2:00	1023	1023	1178	1179
5/11/2018 3:00	1023	1023	1178	1180
5/11/2018 4:00	1023	1023	1179	1181
5/11/2018 5:00	1023	1023	1174	1179
5/11/2018 6:00	1023	1023	1174	1179
5/11/2018 7:00	1023	1023	1178	1179
5/11/2018 8:00	1023	1023	1178	1179
5/11/2018 9:00	1022	1023	1178	1179
5/11/2018 10:00	1022	1022	1178	1179
5/11/2018 11:00	1022	1023	1178	1179
5/11/2018 12:00	1023	1023	1178	1179
5/11/2018 13:00	1023	1023	1178	1178
5/11/2018 14:00	1023	1023	1178	1178
5/11/2018 15:00	1023	1024	1177	1178
5/11/2018 16:00	1024	1024	1178	1178
5/11/2018 17:00	1024	1024	1178	1178
5/11/2018 18:00	1024	1024	1178	1182
5/11/2018 19:00	1024	1024	1182	1183
5/11/2018 20:00	1024	1024	1182	1183
5/11/2018 21:00	1024	1024	1177	1183
5/11/2018 22:00	1023	1024	1176	1177
5/11/2018 23:00	1023	1023	1175	1176
5/12/2018 0:00	1022	1023	1174	1176
5/12/2018 1:00	1022	1022	1174	1176
5/12/2018 2:00	1022	1022	1173	1176
5/12/2018 3:00	1022	1022	1173	1178
5/12/2018 4:00	1022	1023	1178	1179
5/12/2018 5:00	1023	1023	1177	1178
5/12/2018 6:00	1023	1023	1176	1177
5/12/2018 7:00	1023	1023	1175	1176
5/12/2018 8:00	1023	1023	1175	1176
5/12/2018 9:00	1023	1023	1176	1177
5/12/2018 10:00	1023	1023	1177	1179
5/12/2018 11:00	1023	1023	1178	1180
5/12/2018 12:00	1022	1023	1178	1179
5/12/2018 13:00	1022	1022	1178	1179
5/12/2018 14:00	1022	1022	1177	1178
5/12/2018 15:00	1022	1023	1177	1178
5/12/2018 16:00	1023	1023	1177	1178
5/12/2018 17:00	1023	1023	1177	1177
5/12/2018 18:00	1023	1023	1177	1178
5/12/2018 19:00	1023	1023	1176	1178
5/12/2018 20:00	1023	1023	1176	1178
5/12/2018 21:00	1023	1023	1178	1180
5/12/2018 22:00	1023	1023	1178	1179
5/12/2018 23:00	1023	1023	1177	1178
5/13/2018 0:00	1023	1023	1175	1177
5/13/2018 1:00	1023	1023	1175	1177
5/13/2018 2:00	1023	1023	1177	1177
5/13/2018 3:00	1022	1023	1177	1178

Xcel Energy
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Monthly Heating Values Report

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/13/2018 4:00	1022	1022	1178	1179
5/13/2018 5:00	1022	1022	1178	1179
5/13/2018 6:00	1022	1022	1178	1179
5/13/2018 7:00	1022	1022	1176	1179
5/13/2018 8:00	1022	1022	1176	1177
5/13/2018 9:00	1022	1022	1175	1177
5/13/2018 10:00	1022	1023	1175	1176
5/13/2018 11:00	1023	1023	1176	1176
5/13/2018 12:00	1022	1023	1175	1176
5/13/2018 13:00	1022	1022	1175	1176
5/13/2018 14:00	1022	1022	1175	1177
5/13/2018 15:00	1021	1022	1177	1177
5/13/2018 16:00	1021	1021	1177	1177
5/13/2018 17:00	1021	1021	1175	1177
5/13/2018 18:00	1021	1021	1176	1176
5/13/2018 19:00	1021	1022	1176	1177
5/13/2018 20:00	1022	1022	1177	1178
5/13/2018 21:00	1022	1022	1176	1178
5/13/2018 22:00	1022	1022	1176	1177
5/13/2018 23:00	1022	1022	1176	1177
5/14/2018 0:00	1022	1022	1175	1177
5/14/2018 1:00	1022	1022	1175	1176
5/14/2018 2:00	1022	1022	1176	1176
5/14/2018 3:00	1021	1022	1176	1183
5/14/2018 4:00	1021	1022	1181	1183
5/14/2018 5:00	1022	1022	1181	1181
5/14/2018 6:00	1022	1022	1180	1181
5/14/2018 7:00	1022	1022	1179	1181
5/14/2018 8:00	1022	1022	1179	1180
5/14/2018 9:00	1022	1022	1180	1181
5/14/2018 10:00	1022	1022	1180	1181
5/14/2018 11:00	1022	1022	1180	1181
5/14/2018 12:00	1022	1022	1178	1181
5/14/2018 13:00	1022	1023	1178	1179
5/14/2018 14:00	1023	1023	1178	1179
5/14/2018 15:00	1023	1023	1178	1179
5/14/2018 16:00	1023	1023	1178	1179
5/14/2018 17:00	1023	1023	1177	1178
5/14/2018 18:00	1023	1023	1177	1177
5/14/2018 19:00	1023	1023	1176	1177
5/14/2018 20:00	1023	1023	1177	1178
5/14/2018 21:00	1023	1023	1178	1178
5/14/2018 22:00	1023	1024	1176	1178
5/14/2018 23:00	1024	1024	1176	1178
5/15/2018 0:00	1024	1024	1176	1179
5/15/2018 1:00	1023	1024	1178	1179
5/15/2018 2:00	1023	1023	1178	1179
5/15/2018 3:00	1023	1023	1179	1179
5/15/2018 4:00	1023	1023	1178	1179
5/15/2018 5:00	1023	1023	1179	1179
5/15/2018 6:00	1023	1023	1179	1180
5/15/2018 7:00	1023	1023	1180	1181
5/15/2018 8:00	1023	1023	1181	1184
5/15/2018 9:00	1023	1023	1183	1184
5/15/2018 10:00	1023	1023	1182	1183
5/15/2018 11:00	1023	1023	1182	1183
5/15/2018 12:00	1023	1023	1182	1183
5/15/2018 13:00	1023	1023	1181	1182
5/15/2018 14:00	1023	1024	1181	1181
5/15/2018 15:00	1024	1024	1180	1181
5/15/2018 16:00	1024	1024	1179	1180
5/15/2018 17:00	1024	1024	1178	1179
5/15/2018 18:00	1024	1024	1178	1178
5/15/2018 19:00	1023	1024	1177	1178
5/15/2018 20:00	1023	1023	1177	1178
5/15/2018 21:00	1023	1023	1175	1177
5/15/2018 22:00	1022	1023	1174	1175
5/15/2018 23:00	1022	1022	1172	1174
5/16/2018 0:00	1022	1022	1172	1173
5/16/2018 1:00	1022	1022	1173	1174
5/16/2018 2:00	1022	1022	1174	1175
5/16/2018 3:00	1022	1022	1175	1176
5/16/2018 4:00	1022	1022	1176	1176
5/16/2018 5:00	1022	1022	1176	1177
5/16/2018 6:00	1022	1022	1175	1176

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/16/2018 7:00	1022	1022	1175	1180
5/16/2018 8:00	1022	1022	1180	1185
5/16/2018 9:00	1022	1022	1181	1185
5/16/2018 10:00	1022	1022	1181	1182
5/16/2018 11:00	1022	1022	1182	1182
5/16/2018 12:00	1022	1022	1182	1184
5/16/2018 13:00	1022	1023	1184	1184
5/16/2018 14:00	1023	1023	1183	1184
5/16/2018 15:00	1023	1024	1182	1183
5/16/2018 16:00	1024	1024	1181	1182
5/16/2018 17:00	1024	1024	1181	1182
5/16/2018 18:00	1024	1024	1179	1181
5/16/2018 19:00	1024	1024	1179	1180
5/16/2018 20:00	1024	1024	1178	1180
5/16/2018 21:00	1024	1024	1176	1178
5/16/2018 22:00	1024	1024	1173	1176
5/16/2018 23:00	1024	1024	1172	1174
5/17/2018 0:00	1024	1024	1043	1172
5/17/2018 1:00	1024	1024	1049	1055
5/17/2018 2:00	1024	1024	1033	1049
5/17/2018 3:00	1024	1024	1033	1041
5/17/2018 4:00	1023	1024	1041	1045
5/17/2018 5:00	1023	1023	1045	1049
5/17/2018 6:00	1023	1023	1049	1050
5/17/2018 7:00	1023	1023	1013	1050
5/17/2018 8:00	1023	1024	1040	1052
5/17/2018 9:00	1024	1024	1052	1057
5/17/2018 10:00	1024	1024	1055	1064
5/17/2018 11:00	1024	1025	1064	1066
5/17/2018 12:00	1025	1025	1066	1069
5/17/2018 13:00	1025	1026	1068	1069
5/17/2018 14:00	1026	1027	1068	1082
5/17/2018 15:00	1027	1030	1082	1099
5/17/2018 16:00	1029	1030	1099	1107
5/17/2018 17:00	1028	1029	1107	1122
5/17/2018 18:00	1028	1028	1122	1129
5/17/2018 19:00	1027	1028	1036	1133
5/17/2018 20:00	1026	1027	992	1036
5/17/2018 21:00	1026	1026	989	992
5/17/2018 22:00	1026	1026	988	989
5/17/2018 23:00	1025	1026	989	1036
5/18/2018 0:00	1025	1025	1036	1053
5/18/2018 1:00	1025	1025	1053	1057
5/18/2018 2:00	1025	1025	1047	1053
5/18/2018 3:00	1025	1025	1044	1048
5/18/2018 4:00	1025	1025	1043	1047
5/18/2018 5:00	1025	1025	1047	1060
5/18/2018 6:00	1025	1025	1031	1060
5/18/2018 7:00	1025	1025	1029	1065
5/18/2018 8:00	1025	1025	1064	1094
5/18/2018 9:00	1025	1025	1094	1104
5/18/2018 10:00	1025	1025	1104	1117
5/18/2018 11:00	1025	1025	1114	1116
5/18/2018 12:00	1025	1026	1113	1114
5/18/2018 13:00	1026	1026	1113	1113
5/18/2018 14:00	1026	1026	1112	1114
5/18/2018 15:00	1026	1026	1114	1115
5/18/2018 16:00	1026	1026	1115	1116
5/18/2018 17:00	1026	1026	1112	1116
5/18/2018 18:00	1026	1026	1109	1112
5/18/2018 19:00	1026	1026	1109	1111
5/18/2018 20:00	1026	1026	1090	1111
5/18/2018 21:00	1026	1026	1085	1090
5/18/2018 22:00	1026	1026	1074	1087
5/18/2018 23:00	1026	1026	1082	1096
5/19/2018 0:00	1026	1026	1096	1107
5/19/2018 1:00	1026	1026	1107	1112
5/19/2018 2:00	1026	1026	1110	1114
5/19/2018 3:00	1026	1026	1107	1111
5/19/2018 4:00	1026	1027	1073	1111
5/19/2018 5:00	1027	1027	1072	1092
5/19/2018 6:00	1027	1027	1092	1119
5/19/2018 7:00	1027	1027	1118	1135
5/19/2018 8:00	1027	1027	1135	1140
5/19/2018 9:00	1027	1027	1133	1145

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/19/2018 10:00	1027	1027	1113	1133
5/19/2018 11:00	1027	1028	1113	1118
5/19/2018 12:00	1028	1028	1118	1122
5/19/2018 13:00	1028	1029	1121	1122
5/19/2018 14:00	1029	1029	1121	1122
5/19/2018 15:00	1029	1029	1118	1122
5/19/2018 16:00	1029	1029	1117	1118
5/19/2018 17:00	1029	1029	1117	1117
5/19/2018 18:00	1029	1029	1115	1117
5/19/2018 19:00	1029	1029	1113	1116
5/19/2018 20:00	1029	1029	1113	1114
5/19/2018 21:00	1029	1029	1111	1113
5/19/2018 22:00	1029	1029	1112	1113
5/19/2018 23:00	1028	1029	1112	1115
5/20/2018 0:00	1028	1028	1113	1115
5/20/2018 1:00	1028	1028	1113	1115
5/20/2018 2:00	1028	1028	1113	1121
5/20/2018 3:00	1028	1028	1121	1123
5/20/2018 4:00	1028	1028	1123	1123
5/20/2018 5:00	1028	1028	1123	1127
5/20/2018 6:00	1028	1028	1127	1131
5/20/2018 7:00	1028	1028	1131	1132
5/20/2018 8:00	1027	1028	1132	1134
5/20/2018 9:00	1027	1027	1134	1141
5/20/2018 10:00	1027	1027	1141	1147
5/20/2018 11:00	1027	1027	1147	1148
5/20/2018 12:00	1027	1027	1148	1150
5/20/2018 13:00	1027	1027	1149	1151
5/20/2018 14:00	1027	1027	1150	1153
5/20/2018 15:00	1027	1027	1152	1153
5/20/2018 16:00	1027	1027	1152	1153
5/20/2018 17:00	1027	1027	1153	1165
5/20/2018 18:00	1027	1027	1165	1169
5/20/2018 19:00	1027	1027	1168	1169
5/20/2018 20:00	1027	1027	1168	1169
5/20/2018 21:00	1027	1027	1167	1168
5/20/2018 22:00	1027	1027	1166	1167
5/20/2018 23:00	1027	1027	1166	1167
5/21/2018 0:00	1027	1027	1163	1167
5/21/2018 1:00	1027	1027	1163	1165
5/21/2018 2:00	1027	1027	1162	1165
5/21/2018 3:00	1027	1027	1161	1162
5/21/2018 4:00	1027	1027	1162	1163
5/21/2018 5:00	1027	1027	1162	1163
5/21/2018 6:00	1027	1027	1161	1162
5/21/2018 7:00	1027	1027	1162	1163
5/21/2018 8:00	1027	1027	1163	1163
5/21/2018 9:00	1027	1027	1163	1165
5/21/2018 10:00	1027	1027	1165	1165
5/21/2018 11:00	1027	1027	1164	1165
5/21/2018 12:00	1027	1027	1164	1165
5/21/2018 13:00	1026	1027	1164	1164
5/21/2018 14:00	1026	1026	1163	1164
5/21/2018 15:00	1026	1026	1163	1168
5/21/2018 16:00	1026	1027	1168	1170
5/21/2018 17:00	1026	1027	1169	1173
5/21/2018 18:00	1026	1026	1166	1173
5/21/2018 19:00	1026	1026	1164	1166
5/21/2018 20:00	1026	1026	1164	1172
5/21/2018 21:00	1026	1027	1172	1176
5/21/2018 22:00	1027	1027	1175	1176
5/21/2018 23:00	1027	1027	1176	1176
5/22/2018 0:00	1027	1027	1176	1177
5/22/2018 1:00	1027	1027	1176	1177
5/22/2018 2:00	1027	1027	1174	1180
5/22/2018 3:00	1027	1027	1174	1179
5/22/2018 4:00	1027	1027	1179	1187
5/22/2018 5:00	1027	1027	1187	1197
5/22/2018 6:00	1027	1027	1197	1199
5/22/2018 7:00	1027	1027	1197	1199
5/22/2018 8:00	1027	1027	1196	1197
5/22/2018 9:00	1027	1027	1196	1198
5/22/2018 10:00	1027	1027	1195	1198
5/22/2018 11:00	1027	1027	1195	1198
5/22/2018 12:00	1027	1027	1198	1199

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/22/2018 13:00	1027	1027	1198	1199
5/22/2018 14:00	1027	1028	1199	1199
5/22/2018 15:00	1028	1028	1199	1199
5/22/2018 16:00	1028	1028	1199	1200
5/22/2018 17:00	1028	1028	1200	1200
5/22/2018 18:00	1028	1028	1195	1200
5/22/2018 19:00	1028	1028	1198	1200
5/22/2018 20:00	1028	1028	1192	1200
5/22/2018 21:00	1028	1028	1179	1200
5/22/2018 22:00	1028	1028	1179	1193
5/22/2018 23:00	1028	1029	1193	1199
5/23/2018 0:00	1029	1029	1198	1199
5/23/2018 1:00	1029	1029	1198	1199
5/23/2018 2:00	1028	1029	1198	1199
5/23/2018 3:00	1028	1029	1198	1199
5/23/2018 4:00	1029	1030	1199	1200
5/23/2018 5:00	1030	1030	1200	1200
5/23/2018 6:00	1030	1030	1200	1200
5/23/2018 7:00	1029	1030	1200	1200
5/23/2018 8:00	1029	1029	1200	1200
5/23/2018 9:00	1028	1029	1200	1200
5/23/2018 10:00	1028	1028	1200	1200
5/23/2018 11:00	1028	1028	1200	1200
5/23/2018 12:00	1028	1028	1200	1200
5/23/2018 13:00	1028	1029	1200	1200
5/23/2018 14:00	1029	1029	1200	1200
5/23/2018 15:00	1029	1029	1200	1200
5/23/2018 16:00	1029	1029	1200	1200
5/23/2018 17:00	1029	1029	1200	1200
5/23/2018 18:00	1029	1030	1200	1200
5/23/2018 19:00	1029	1030	1198	1200
5/23/2018 20:00	1029	1029	1195	1198
5/23/2018 21:00	1029	1029	1198	1200
5/23/2018 22:00	1029	1029	1196	1200
5/23/2018 23:00	1028	1029	1192	1196
5/24/2018 0:00	1028	1028	1193	1195
5/24/2018 1:00	1028	1028	1195	1196
5/24/2018 2:00	1028	1028	1193	1196
5/24/2018 3:00	1028	1028	1180	1193
5/24/2018 4:00	1028	1028	1173	1180
5/24/2018 5:00	1028	1028	1174	1190
5/24/2018 6:00	1028	1028	1190	1193
5/24/2018 7:00	1028	1028	1193	1197
5/24/2018 8:00	1028	1028	1197	1200
5/24/2018 9:00	1028	1028	1200	1200
5/24/2018 10:00	1028	1028	1200	1200
5/24/2018 11:00	1028	1029	1200	1200
5/24/2018 12:00	1029	1029	1200	1200
5/24/2018 13:00	1029	1029	1200	1200
5/24/2018 14:00	1029	1029	1200	1200
5/24/2018 15:00	1029	1029	1194	1200
5/24/2018 16:00	1029	1029	1193	1197
5/24/2018 17:00	1029	1029	1197	1200
5/24/2018 18:00	1029	1029	1200	1200
5/24/2018 19:00	1028	1029	1200	1200
5/24/2018 20:00	1027	1028	1200	1200
5/24/2018 21:00	1027	1027	1192	1200
5/24/2018 22:00	1026	1027	1180	1199
5/24/2018 23:00	1026	1026	1176	1182
5/25/2018 0:00	1026	1026	1176	1189
5/25/2018 1:00	1026	1026	1175	1189
5/25/2018 2:00	1026	1026	1167	1175
5/25/2018 3:00	1026	1026	1169	1175
5/25/2018 4:00	1025	1026	1174	1185
5/25/2018 5:00	1025	1025	1185	1193
5/25/2018 6:00	1025	1025	1177	1193
5/25/2018 7:00	1025	1026	1172	1177
5/25/2018 8:00	1026	1027	1172	1180
5/25/2018 9:00	1027	1028	1180	1192
5/25/2018 10:00	1028	1028	1192	1197
5/25/2018 11:00	1028	1028	1196	1198
5/25/2018 12:00	1028	1028	1198	1199
5/25/2018 13:00	1028	1028	1199	1200
5/25/2018 14:00	1028	1028	1200	1200
5/25/2018 15:00	1028	1028	1199	1200

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/25/2018 16:00	1028	1029	1199	1200
5/25/2018 17:00	1029	1029	1200	1200
5/25/2018 18:00	1029	1029	1200	1200
5/25/2018 19:00	1029	1029	1200	1200
5/25/2018 20:00	1028	1029	1200	1200
5/25/2018 21:00	1028	1029	1200	1200
5/25/2018 22:00	1029	1029	1200	1200
5/25/2018 23:00	1029	1029	1198	1200
5/26/2018 0:00	1029	1029	1181	1200
5/26/2018 1:00	1029	1029	1181	1183
5/26/2018 2:00	1029	1029	1181	1183
5/26/2018 3:00	1029	1029	1183	1183
5/26/2018 4:00	1029	1029	1182	1183
5/26/2018 5:00	1029	1029	1183	1183
5/26/2018 6:00	1029	1029	1180	1183
5/26/2018 7:00	1029	1029	1180	1182
5/26/2018 8:00	1029	1029	1181	1182
5/26/2018 9:00	1029	1029	1182	1184
5/26/2018 10:00	1029	1030	1184	1184
5/26/2018 11:00	1030	1031	1183	1184
5/26/2018 12:00	1031	1031	1184	1184
5/26/2018 13:00	1030	1031	1184	1185
5/26/2018 14:00	1029	1030	1181	1184
5/26/2018 15:00	1029	1029	1181	1183
5/26/2018 16:00	1028	1029	1183	1190
5/26/2018 17:00	1028	1028	1187	1190
5/26/2018 18:00	1027	1028	1177	1187
5/26/2018 19:00	1027	1027	1178	1179
5/26/2018 20:00	1026	1027	1179	1181
5/26/2018 21:00	1026	1026	1181	1184
5/26/2018 22:00	1026	1026	1184	1185
5/26/2018 23:00	1025	1026	1185	1189
5/27/2018 0:00	1024	1025	1187	1191
5/27/2018 1:00	1024	1024	1190	1195
5/27/2018 2:00	1024	1024	1185	1190
5/27/2018 3:00	1024	1024	1184	1185
5/27/2018 4:00	1024	1025	1182	1184
5/27/2018 5:00	1025	1026	1177	1182
5/27/2018 6:00	1026	1026	1177	1180
5/27/2018 7:00	1026	1026	1179	1180
5/27/2018 8:00	1026	1026	1177	1180
5/27/2018 9:00	1026	1026	1176	1177
5/27/2018 10:00	1026	1026	1176	1176
5/27/2018 11:00	1026	1026	1176	1176
5/27/2018 12:00	1026	1027	1176	1176
5/27/2018 13:00	1027	1027	1174	1176
5/27/2018 14:00	1027	1027	1174	1175
5/27/2018 15:00	1027	1027	1175	1176
5/27/2018 16:00	1026	1027	1176	1177
5/27/2018 17:00	1026	1026	1177	1178
5/27/2018 18:00	1026	1026	1178	1179
5/27/2018 19:00	1026	1026	1179	1181
5/27/2018 20:00	1026	1026	1179	1181
5/27/2018 21:00	1026	1026	1179	1183
5/27/2018 22:00	1026	1027	1183	1186
5/27/2018 23:00	1027	1027	1179	1186
5/28/2018 0:00	1026	1027	1179	1182
5/28/2018 1:00	1026	1026	1170	1182
5/28/2018 2:00	1026	1026	1165	1170
5/28/2018 3:00	1026	1027	1165	1168
5/28/2018 4:00	1027	1027	1168	1170
5/28/2018 5:00	1027	1027	1170	1172
5/28/2018 6:00	1026	1027	1172	1175
5/28/2018 7:00	1026	1026	1173	1175
5/28/2018 8:00	1026	1026	1173	1173
5/28/2018 9:00	1026	1026	1173	1173
5/28/2018 10:00	1026	1027	1171	1173
5/28/2018 11:00	1027	1028	1171	1172
5/28/2018 12:00	1028	1028	1172	1175
5/28/2018 13:00	1028	1028	1175	1181
5/28/2018 14:00	1028	1028	1174	1177
5/28/2018 15:00	1027	1028	1175	1176
5/28/2018 16:00	1027	1027	1175	1175
5/28/2018 17:00	1027	1027	1172	1176
5/28/2018 18:00	1027	1027	1172	1172

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/28/2018 19:00	1027	1027	1172	1173
5/28/2018 20:00	1027	1027	1173	1173
5/28/2018 21:00	1027	1027	1172	1174
5/28/2018 22:00	1027	1027	1174	1178
5/28/2018 23:00	1027	1028	1178	1180
5/29/2018 0:00	1028	1028	1178	1181
5/29/2018 1:00	1028	1028	1176	1179
5/29/2018 2:00	1028	1028	1175	1176
5/29/2018 3:00	1028	1028	1173	1177
5/29/2018 4:00	1028	1028	1170	1174
5/29/2018 5:00	1028	1028	1170	1172
5/29/2018 6:00	1028	1028	1170	1172
5/29/2018 7:00	1028	1028	1171	1172
5/29/2018 8:00	1028	1028	1172	1172
5/29/2018 9:00	1028	1028	1171	1172
5/29/2018 10:00	1028	1028	1171	1171
5/29/2018 11:00	1028	1028	1171	1172
5/29/2018 12:00	1027	1028	1171	1172
5/29/2018 13:00	1027	1027	1172	1172
5/29/2018 14:00	1027	1027	1172	1172
5/29/2018 15:00	1027	1028	1172	1173
5/29/2018 16:00	1028	1028	1173	1173
5/29/2018 17:00	1028	1028	1173	1173
5/29/2018 18:00	1028	1028	1170	1173
5/29/2018 19:00	1028	1028	1170	1173
5/29/2018 20:00	1027	1028	1172	1179
5/29/2018 21:00	1026	1027	1173	1179
5/29/2018 22:00	1026	1026	1173	1175
5/29/2018 23:00	1026	1026	1175	1178
5/30/2018 0:00	1026	1027	1178	1180
5/30/2018 1:00	1026	1027	1173	1179
5/30/2018 2:00	1026	1026	1164	1173
5/30/2018 3:00	1026	1026	1164	1164
5/30/2018 4:00	1026	1026	1164	1166
5/30/2018 5:00	1026	1026	1166	1170
5/30/2018 6:00	1026	1026	1170	1181
5/30/2018 7:00	1026	1026	1179	1181
5/30/2018 8:00	1026	1026	1173	1179
5/30/2018 9:00	1026	1026	1172	1173
5/30/2018 10:00	1026	1026	1172	1172
5/30/2018 11:00	1025	1026	1172	1172
5/30/2018 12:00	1025	1025	1171	1172
5/30/2018 13:00	1024	1025	1170	1171
5/30/2018 14:00	1024	1024	1171	1172
5/30/2018 15:00	1024	1024	1172	1173
5/30/2018 16:00	1024	1024	1171	1172
5/30/2018 17:00	1024	1024	1171	1172
5/30/2018 18:00	1024	1025	1172	1174
5/30/2018 19:00	1025	1025	1173	1174
5/30/2018 20:00	1025	1025	1173	1173
5/30/2018 21:00	1025	1026	1173	1173
5/30/2018 22:00	1026	1026	1172	1173
5/30/2018 23:00	1026	1026	1172	1172
5/31/2018 0:00	1026	1026	1172	1172
5/31/2018 1:00	1026	1026	1171	1172
5/31/2018 2:00	1026	1026	1171	1172
5/31/2018 3:00	1026	1026	1171	1175
5/31/2018 4:00	1025	1026	1175	1176
5/31/2018 5:00	1025	1025	1176	1179
5/31/2018 6:00	1024	1025	1179	1199
5/31/2018 7:00	1024	1024	1183	1199
5/31/2018 8:00	1024	1024	1179	1183
5/31/2018 9:00	1024	1024	1174	1179
5/31/2018 10:00	1023	1024	1174	1184
5/31/2018 11:00	1023	1023	1184	1200
5/31/2018 12:00	1023	1023	1200	1200
5/31/2018 13:00	1023	1025	1200	1200
5/31/2018 14:00	1025	1026	1200	1200
5/31/2018 15:00	1026	1026	1200	1200
5/31/2018 16:00	1025	1026	1200	1200
5/31/2018 17:00	1024	1025	1200	1200
5/31/2018 18:00	1024	1025	1191	1200
5/31/2018 19:00	1025	1025	1180	1191
5/31/2018 20:00	1025	1026	1176	1181
5/31/2018 21:00	1026	1026	1175	1177
5/31/2018 22:00	1026	1026	1175	1184
5/31/2018 23:00	1026	1027	1176	1184
	Min (Btu/cf)	Max (Btu/cf)	Min (Btu/cf)	Max (Btu/cf)
	1019	1031	988	1200