



825 Rice Street
Saint Paul, MN 55117

January 6, 2020

Steve Kahl, 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. Kahl:

Enclosed with this letter are Xcel Energy's natural gas heating value reports for December 2019 as required by N.D. PU-19-92.

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 that reads 'Christopher Akins'. The signature is written in a cursive, slightly slanted style.

Christopher Akins
Manager Pipeline Compliance and 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
12/1/2019 0:00	1013	1013	1174	1174
12/1/2019 1:00	1013	1013	1173	1174
12/1/2019 2:00	1013	1013	1172	1173
12/1/2019 3:00	1013	1013	1172	1172
12/1/2019 4:00	1013	1013	1172	1173
12/1/2019 5:00	1013	1013	1173	1173
12/1/2019 6:00	1013	1013	1173	1174
12/1/2019 7:00	1013	1013	1174	1175
12/1/2019 8:00	1013	1013	1174	1175
12/1/2019 9:00	1013	1013	1172	1174
12/1/2019 10:00	1013	1013	1172	1173
12/1/2019 9:00	1036	1036	1172	1174
12/1/2019 10:00	1036	1037	1172	1173
12/1/2019 11:00	1037	1037	1173	1174
12/1/2019 12:00	1037	1037	1173	1174
12/1/2019 13:00	1037	1037	1173	1175
12/1/2019 14:00	1037	1037	1174	1175
12/1/2019 15:00	1037	1037	1174	1175
12/1/2019 16:00	1037	1037	1175	1176
12/1/2019 17:00	1036	1037	1175	1175
12/1/2019 18:00	1036	1036	1175	1176
12/1/2019 19:00	1035	1036	1174	1175
12/1/2019 20:00	1034	1035	1174	1175
12/1/2019 21:00	1032	1034	1173	1174
12/1/2019 22:00	1031	1032	1172	1173
12/1/2019 23:00	1031	1031	1172	1172
12/2/2019 0:00	1031	1033	1172	1173
12/2/2019 1:00	1033	1035	1172	1173
12/2/2019 2:00	1035	1037	1172	1177
12/2/2019 3:00	1037	1037	1171	1177
12/2/2019 4:00	1037	1037	1171	1171
12/2/2019 5:00	1037	1038	1171	1173
12/2/2019 6:00	1038	1038	1172	1173
12/2/2019 7:00	1038	1038	1172	1172
12/2/2019 8:00	1038	1038	1172	1174
12/2/2019 9:00	1038	1038	1172	1174
12/2/2019 10:00	1038	1038	1172	1172
12/2/2019 11:00	1038	1038	1172	1172
12/2/2019 12:00	1038	1039	1172	1174
12/2/2019 13:00	1039	1039	1172	1173
12/2/2019 14:00	1039	1039	1170	1172
12/2/2019 15:00	1039	1039	1170	1171
12/2/2019 16:00	1038	1039	1171	1172
12/2/2019 17:00	1038	1039	1172	1173
12/2/2019 18:00	1039	1039	1173	1175
12/2/2019 19:00	1039	1039	1175	1177
12/2/2019 20:00	1039	1039	1177	1177
12/2/2019 21:00	1039	1039	1177	1177
12/2/2019 22:00	1039	1039	1176	1177
12/2/2019 23:00	1039	1039	1175	1176
12/3/2019 0:00	1037	1039	1175	1177
12/3/2019 1:00	1034	1037	1176	1177
12/3/2019 2:00	1034	1034	1176	1178
12/3/2019 3:00	1033	1034	1178	1179
12/3/2019 4:00	1033	1033	1179	1180
12/3/2019 5:00	1033	1033	1179	1180
12/3/2019 6:00	1033	1033	1179	1179
12/3/2019 7:00	1033	1034	1179	1180
12/3/2019 8:00	1034	1036	1179	1181
12/3/2019 9:00	1036	1037	1179	1181
12/3/2019 10:00	1037	1038	1178	1179
12/3/2019 11:00	1038	1038	1179	1180
12/3/2019 12:00	1038	1039	1179	1181
12/3/2019 13:00	1039	1039	1181	1183
12/3/2019 14:00	1039	1039	1183	1185
12/3/2019 15:00	1039	1039	1185	1186
12/3/2019 16:00	1039	1039	1182	1185
12/3/2019 17:00	1039	1039	1182	1185
12/3/2019 18:00	1039	1039	1184	1186
12/3/2019 19:00	1039	1039	1186	1186
12/3/2019 20:00	1039	1039	1186	1187
12/3/2019 21:00	1039	1039	1185	1187

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
12/3/2019 22:00	1039	1039	1185	1186
12/3/2019 23:00	1039	1039	1186	1189
12/4/2019 0:00	1039	1040	1188	1189
12/4/2019 1:00	1040	1040	1188	1188
12/4/2019 2:00	1040	1040	1186	1188
12/4/2019 3:00	1040	1040	1183	1186
12/4/2019 4:00	1040	1041	1183	1183
12/4/2019 5:00	1040	1041	1183	1183
12/4/2019 6:00	1040	1040	1183	1187
12/4/2019 7:00	1040	1040	1187	1191
12/4/2019 8:00	1039	1040	1191	1193
12/4/2019 9:00	1039	1039	1187	1191
12/4/2019 10:00	1039	1040	1181	1187
12/4/2019 11:00	1040	1040	1178	1181
12/4/2019 12:00	1040	1041	1175	1179
12/4/2019 13:00	1041	1041	1175	1175
12/4/2019 14:00	1041	1041	1175	1179
12/4/2019 15:00	1041	1041	1179	1181
12/4/2019 16:00	1041	1041	1181	1183
12/4/2019 17:00	1041	1041	1183	1184
12/4/2019 18:00	1041	1041	1184	1185
12/4/2019 19:00	1041	1042	1184	1185
12/4/2019 20:00	1042	1042	1184	1185
12/4/2019 21:00	1042	1042	1184	1184
12/4/2019 22:00	1042	1042	1184	1184
12/4/2019 23:00	1042	1042	1184	1185
12/5/2019 0:00	1042	1042	1185	1186
12/5/2019 1:00	1042	1042	1185	1187
12/5/2019 2:00	1042	1042	1187	1190
12/5/2019 3:00	1042	1042	1190	1193
12/5/2019 4:00	1042	1042	1193	1196
12/5/2019 5:00	1042	1042	1196	1197
12/5/2019 6:00	1042	1042	1195	1196
12/5/2019 7:00	1041	1042	1194	1195
12/5/2019 8:00	1041	1041	1194	1195
12/5/2019 9:00	1040	1041	1192	1194
12/5/2019 10:00	1040	1040	1189	1192
12/5/2019 11:00	1040	1041	1185	1189
12/5/2019 12:00	1040	1041	1183	1185
12/5/2019 13:00	1039	1040	1183	1183
12/5/2019 14:00	1039	1039	1182	1183
12/5/2019 15:00	1039	1040	1183	1185
12/5/2019 16:00	1040	1042	1183	1185
12/5/2019 17:00	1041	1042	1182	1184
12/5/2019 18:00	1040	1041	1180	1182
12/5/2019 19:00	1039	1040	1178	1180
12/5/2019 20:00	1038	1039	1178	1179
12/5/2019 21:00	1038	1038	1179	1179
12/5/2019 22:00	1038	1038	1178	1179
12/5/2019 23:00	1038	1038	1177	1178
12/6/2019 0:00	1038	1038	1176	1177
12/6/2019 1:00	1038	1038	1177	1181
12/6/2019 2:00	1038	1038	1181	1181
12/6/2019 3:00	1038	1038	1181	1181
12/6/2019 4:00	1038	1038	1181	1183
12/6/2019 5:00	1038	1038	1183	1184
12/6/2019 6:00	1038	1039	1184	1186
12/6/2019 7:00	1039	1039	1185	1186
12/6/2019 8:00	1039	1039	1183	1186
12/6/2019 9:00	1039	1040	1181	1183
12/6/2019 10:00	1040	1041	1178	1181
12/6/2019 11:00	1040	1041	1173	1178
12/6/2019 12:00	1039	1040	1172	1173
12/6/2019 13:00	1039	1039	1173	1174
12/6/2019 14:00	1039	1039	1173	1174
12/6/2019 15:00	1039	1039	1174	1176
12/6/2019 16:00	1039	1039	1175	1176
12/6/2019 17:00	1039	1040	1174	1175
12/6/2019 18:00	1040	1040	1175	1177
12/6/2019 19:00	1040	1040	1177	1177
12/6/2019 20:00	1039	1040	1176	1177
12/6/2019 21:00	1039	1039	1174	1176
12/6/2019 22:00	1039	1039	1169	1174
12/6/2019 23:00	1039	1039	1168	1169
12/7/2019 0:00	1039	1040	1168	1171
12/7/2019 1:00	1040	1041	1171	1171
12/7/2019 2:00	1041	1042	1170	1171
12/7/2019 3:00	1042	1042	1170	1172
12/7/2019 4:00	1042	1042	1171	1172
12/7/2019 5:00	1041	1042	1171	1173

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/7/2019 6:00	1041	1041	1173	1173
12/7/2019 7:00	1041	1041	1173	1177
12/7/2019 8:00	1041	1041	1175	1177
12/7/2019 9:00	1040	1041	1175	1176
12/7/2019 10:00	1039	1040	1174	1176
12/7/2019 11:00	1039	1039	1171	1174
12/7/2019 12:00	1039	1039	1169	1171
12/7/2019 13:00	1038	1039	1167	1169
12/7/2019 14:00	1038	1038	1167	1168
12/7/2019 15:00	1038	1038	1168	1169
12/7/2019 16:00	1038	1038	1168	1169
12/7/2019 17:00	1038	1038	1168	1171
12/7/2019 18:00	1038	1038	1171	1173
12/7/2019 19:00	1038	1038	1173	1176
12/7/2019 20:00	1038	1038	1176	1176
12/7/2019 21:00	1038	1038	1176	1177
12/7/2019 22:00	1038	1038	1177	1178
12/7/2019 23:00	1038	1039	1177	1178
12/8/2019 0:00	1039	1039	1177	1178
12/8/2019 1:00	1039	1040	1178	1178
12/8/2019 2:00	1040	1040	1178	1179
12/8/2019 3:00	1040	1040	1179	1184
12/8/2019 4:00	1039	1040	1184	1188
12/8/2019 5:00	1039	1039	1185	1188
12/8/2019 6:00	1039	1039	1183	1185
12/8/2019 7:00	1039	1039	1183	1183
12/8/2019 8:00	1039	1039	1181	1183
12/8/2019 9:00	1039	1039	1177	1181
12/8/2019 10:00	1039	1039	1175	1177
12/8/2019 11:00	1039	1039	1175	1176
12/8/2019 12:00	1039	1039	1176	1176
12/8/2019 13:00	1039	1039	1176	1176
12/8/2019 14:00	1039	1039	1176	1177
12/8/2019 15:00	1039	1039	1177	1178
12/8/2019 16:00	1039	1039	1178	1180
12/8/2019 17:00	1039	1039	1180	1180
12/8/2019 18:00	1039	1039	1180	1182
12/8/2019 19:00	1039	1039	1182	1183
12/8/2019 20:00	1039	1039	1183	1183
12/8/2019 21:00	1039	1039	1182	1183
12/8/2019 22:00	1038	1039	1182	1182
12/8/2019 23:00	1038	1038	1182	1185
12/9/2019 0:00	1038	1039	1185	1188
12/9/2019 1:00	1039	1039	1188	1189
12/9/2019 2:00	1039	1040	1189	1190
12/9/2019 3:00	1039	1040	1187	1190
12/9/2019 4:00	1039	1039	1187	1190
12/9/2019 5:00	1038	1039	1188	1190
12/9/2019 6:00	1038	1038	1188	1189
12/9/2019 7:00	1038	1038	1188	1189
12/9/2019 8:00	1038	1038	1184	1188
12/9/2019 9:00	1038	1039	1180	1184
12/9/2019 10:00	1039	1039	1177	1180
12/9/2019 11:00	1039	1039	1175	1177
12/9/2019 12:00	1039	1040	1175	1177
12/9/2019 13:00	1040	1041	1176	1180
12/9/2019 14:00	1041	1042	1179	1180
12/9/2019 15:00	1040	1042	1177	1179
12/9/2019 16:00	1040	1040	1173	1177
12/9/2019 17:00	1040	1041	1171	1173
12/9/2019 18:00	1041	1042	1168	1171
12/9/2019 19:00	1042	1042	1166	1168
12/9/2019 20:00	1042	1042	1163	1166
12/9/2019 21:00	1042	1043	1165	1167
12/9/2019 22:00	1043	1043	1164	1167
12/9/2019 23:00	1043	1043	1165	1165
12/10/2019 0:00	1043	1043	1164	1165
12/10/2019 1:00	1043	1043	1161	1164
12/10/2019 2:00	1043	1044	1161	1162
12/10/2019 3:00	1044	1046	1162	1162
12/10/2019 4:00	1046	1048	1161	1162
12/10/2019 5:00	1048	1048	1162	1163
12/10/2019 6:00	1047	1048	1163	1164
12/10/2019 7:00	1045	1047	1163	1166
12/10/2019 8:00	1044	1045	1161	1166
12/10/2019 9:00	1044	1044	1156	1161
12/10/2019 10:00	1043	1044	1151	1156
12/10/2019 11:00	1043	1043	1149	1151
12/10/2019 12:00	1043	1043	1149	1150
12/10/2019 13:00	1042	1043	1149	1150

Xcel Energy
Natural Gas Utility - State of North Dakota
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/10/2019 14:00	1042	1042	1149	1150
12/10/2019 15:00	1041	1042	1150	1151
12/10/2019 16:00	1040	1041	1149	1151
12/10/2019 17:00	1040	1040	1148	1149
12/10/2019 18:00	1040	1041	1146	1148
12/10/2019 19:00	1041	1041	1146	1149
12/10/2019 20:00	1040	1041	1149	1151
12/10/2019 21:00	1038	1040	1151	1152
12/10/2019 22:00	1035	1038	1151	1154
12/10/2019 23:00	1034	1035	1152	1154
12/11/2019 0:00	1034	1034	1152	1155
12/11/2019 1:00	1034	1036	1155	1159
12/11/2019 2:00	1036	1038	1154	1157
12/11/2019 3:00	1038	1039	1154	1158
12/11/2019 4:00	1039	1040	1157	1158
12/11/2019 5:00	1040	1041	1157	1160
12/11/2019 6:00	1041	1041	1160	1163
12/11/2019 7:00	1041	1041	1163	1163
12/11/2019 8:00	1041	1041	1161	1163
12/11/2019 9:00	1041	1041	1159	1161
12/11/2019 10:00	1041	1042	1158	1160
12/11/2019 11:00	1042	1042	1155	1158
12/11/2019 12:00	1042	1042	1145	1155
12/11/2019 13:00	1042	1042	1145	1151
12/11/2019 14:00	1042	1042	1150	1154
12/11/2019 15:00	1042	1043	1154	1156
12/11/2019 16:00	1043	1043	1155	1156
12/11/2019 17:00	1043	1043	1156	1156
12/11/2019 18:00	1042	1043	1156	1157
12/11/2019 19:00	1042	1042	1156	1157
12/11/2019 20:00	1042	1042	1155	1157
12/11/2019 21:00	1042	1043	1155	1155
12/11/2019 22:00	1042	1043	1152	1155
12/11/2019 23:00	1042	1042	1151	1152
12/12/2019 0:00	1042	1042	1150	1151
12/12/2019 1:00	1042	1042	1150	1151
12/12/2019 2:00	1042	1042	1149	1150
12/12/2019 3:00	1041	1042	1149	1151
12/12/2019 4:00	1041	1042	1149	1156
12/12/2019 5:00	1042	1042	1156	1156
12/12/2019 6:00	1042	1042	1156	1156
12/12/2019 7:00	1042	1042	1152	1156
12/12/2019 8:00	1042	1042	1149	1152
12/12/2019 9:00	1042	1042	1147	1149
12/12/2019 10:00	1041	1042	1146	1147
12/12/2019 11:00	1040	1041	1144	1146
12/12/2019 12:00	1038	1040	1144	1145
12/12/2019 13:00	1036	1038	1138	1144
12/12/2019 14:00	1035	1036	1138	1141
12/12/2019 15:00	1034	1035	1141	1146
12/12/2019 16:00	1034	1034	1146	1147
12/12/2019 17:00	1034	1034	1146	1149
12/12/2019 18:00	1033	1034	1147	1149
12/12/2019 19:00	1033	1033	1147	1149
12/12/2019 20:00	1032	1033	1147	1148
12/12/2019 21:00	1032	1032	1144	1147
12/12/2019 22:00	1032	1032	1144	1144
12/12/2019 23:00	1032	1032	1144	1146
12/13/2019 0:00	1032	1032	1146	1150
12/13/2019 1:00	1032	1033	1149	1152
12/13/2019 2:00	1033	1033	1151	1152
12/13/2019 3:00	1033	1033	1152	1156
12/13/2019 4:00	1033	1034	1156	1158
12/13/2019 5:00	1034	1034	1158	1160
12/13/2019 6:00	1033	1034	1159	1160
12/13/2019 7:00	1033	1033	1154	1159
12/13/2019 8:00	1033	1033	1153	1154
12/13/2019 9:00	1033	1033	1154	1156
12/13/2019 10:00	1033	1034	1155	1156
12/13/2019 11:00	1034	1035	1151	1155
12/13/2019 12:00	1035	1037	1146	1151
12/13/2019 13:00	1037	1039	1146	1146
12/13/2019 14:00	1039	1039	1145	1146
12/13/2019 15:00	1036	1039	1144	1146
12/13/2019 16:00	1036	1041	1146	1147
12/13/2019 17:00	1041	1041	1146	1147
12/13/2019 18:00	1041	1041	1142	1146
12/13/2019 19:00	1040	1041	1140	1142
12/13/2019 20:00	1040	1040	1140	1141
12/13/2019 21:00	1039	1040	1140	1143

Xcel Energy
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/13/2019 22:00	1039	1039	1143	1149
12/13/2019 23:00	1039	1039	1149	1151
12/14/2019 0:00	1039	1039	1151	1152
12/14/2019 1:00	1039	1040	1152	1153
12/14/2019 2:00	1039	1040	1152	1154
12/14/2019 3:00	1036	1039	1154	1158
12/14/2019 4:00	1035	1036	1158	1161
12/14/2019 5:00	1034	1035	1161	1162
12/14/2019 6:00	1034	1034	1161	1162
12/14/2019 7:00	1033	1034	1161	1162
12/14/2019 8:00	1033	1033	1159	1162
12/14/2019 9:00	1033	1033	1156	1159
12/14/2019 10:00	1033	1035	1156	1157
12/14/2019 11:00	1035	1037	1157	1157
12/14/2019 12:00	1037	1039	1157	1158
12/14/2019 13:00	1039	1040	1158	1160
12/14/2019 14:00	1040	1040	1160	1164
12/14/2019 15:00	1040	1041	1164	1167
12/14/2019 16:00	1041	1041	1166	1168
12/14/2019 17:00	1041	1041	1165	1166
12/14/2019 18:00	1041	1041	1164	1165
12/14/2019 19:00	1040	1041	1162	1164
12/14/2019 20:00	1040	1040	1161	1163
12/14/2019 21:00	1040	1041	1160	1162
12/14/2019 22:00	1040	1041	1162	1168
12/14/2019 23:00	1039	1040	1168	1169
12/15/2019 0:00	1036	1039	1169	1170
12/15/2019 1:00	1034	1036	1167	1170
12/15/2019 2:00	1033	1034	1164	1167
12/15/2019 3:00	1033	1034	1162	1164
12/15/2019 4:00	1034	1035	1161	1162
12/15/2019 5:00	1035	1036	1162	1166
12/15/2019 6:00	1036	1037	1162	1166
12/15/2019 7:00	1037	1037	1160	1162
12/15/2019 8:00	1036	1037	1161	1163
12/15/2019 9:00	1036	1036	1163	1163
12/15/2019 10:00	1036	1039	1161	1163
12/15/2019 11:00	1039	1040	1159	1161
12/15/2019 12:00	1040	1041	1159	1159
12/15/2019 13:00	1041	1041	1158	1159
12/15/2019 14:00	1040	1041	1158	1160
12/15/2019 15:00	1040	1040	1160	1160
12/15/2019 16:00	1040	1040	1160	1160
12/15/2019 17:00	1040	1040	1160	1161
12/15/2019 18:00	1040	1040	1161	1161
12/15/2019 19:00	1039	1040	1161	1162
12/15/2019 20:00	1039	1039	1161	1162
12/15/2019 21:00	1039	1039	1161	1161
12/15/2019 22:00	1039	1040	1161	1161
12/15/2019 23:00	1039	1040	1161	1161
12/16/2019 0:00	1038	1039	1160	1161
12/16/2019 1:00	1038	1038	1160	1161
12/16/2019 2:00	1037	1038	1160	1161
12/16/2019 3:00	1037	1037	1160	1161
12/16/2019 4:00	1036	1037	1160	1160
12/16/2019 5:00	1036	1036	1160	1161
12/16/2019 6:00	1035	1036	1161	1163
12/16/2019 7:00	1034	1035	1163	1166
12/16/2019 8:00	1034	1034	1166	1168
12/16/2019 9:00	1033	1034	1168	1168
12/16/2019 10:00	1033	1033	1167	1168
12/16/2019 11:00	1033	1034	1167	1167
12/16/2019 12:00	1034	1036	1167	1168
12/16/2019 13:00	1036	1037	1168	1171
12/16/2019 14:00	1037	1038	1171	1175
12/16/2019 15:00	1038	1038	1175	1176
12/16/2019 16:00	1038	1038	1176	1178
12/16/2019 17:00	1038	1038	1178	1181
12/16/2019 18:00	1038	1039	1181	1181
12/16/2019 19:00	1039	1040	1181	1187
12/16/2019 20:00	1040	1040	1187	1190
12/16/2019 21:00	1039	1040	1190	1192
12/16/2019 22:00	1039	1039	1192	1194
12/16/2019 23:00	1039	1039	1181	1194
12/17/2019 0:00	1039	1039	1176	1181
12/17/2019 1:00	1038	1039	1174	1176
12/17/2019 2:00	1037	1038	1174	1174
12/17/2019 3:00	1036	1037	1173	1174
12/17/2019 4:00	1036	1037	1172	1174
12/17/2019 5:00	1037	1037	1172	1172

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/17/2019 6:00	1036	1037	1172	1173
12/17/2019 7:00	1035	1036	1172	1173
12/17/2019 8:00	1035	1036	1171	1173
12/17/2019 9:00	1036	1039	1171	1171
12/17/2019 10:00	1039	1039	1171	1171
12/17/2019 11:00	1035	1039	1169	1171
12/17/2019 12:00	1034	1035	1167	1169
12/17/2019 13:00	1034	1035	1166	1167
12/17/2019 14:00	1035	1038	1166	1167
12/17/2019 15:00	1038	1040	1166	1166
12/17/2019 16:00	1040	1040	1166	1167
12/17/2019 17:00	1040	1040	1167	1168
12/17/2019 18:00	1040	1041	1167	1168
12/17/2019 19:00	1041	1041	1167	1169
12/17/2019 20:00	1041	1041	1167	1169
12/17/2019 21:00	1040	1041	1167	1168
12/17/2019 22:00	1040	1040	1167	1168
12/17/2019 23:00	1039	1040	1167	1167
12/18/2019 0:00	1038	1039	1167	1167
12/18/2019 1:00	1036	1038	1167	1168
12/18/2019 2:00	1035	1036	1168	1168
12/18/2019 3:00	1035	1035	1167	1168
12/18/2019 4:00	1034	1035	1167	1167
12/18/2019 5:00	1034	1034	1167	1168
12/18/2019 6:00	1034	1034	1168	1168
12/18/2019 7:00	1034	1034	1168	1169
12/18/2019 8:00	1034	1034	1168	1169
12/18/2019 9:00	1034	1035	1165	1168
12/18/2019 10:00	1035	1037	1162	1165
12/18/2019 11:00	1037	1039	1160	1162
12/18/2019 12:00	1039	1040	1158	1160
12/18/2019 13:00	1040	1041	1158	1159
12/18/2019 14:00	1041	1041	1159	1159
12/18/2019 15:00	1041	1041	1159	1159
12/18/2019 16:00	1040	1041	1159	1160
12/18/2019 17:00	1040	1040	1159	1160
12/18/2019 18:00	1040	1040	1159	1159
12/18/2019 19:00	1040	1040	1158	1159
12/18/2019 20:00	1040	1041	1153	1158
12/18/2019 21:00	1041	1041	1153	1154
12/18/2019 22:00	1037	1041	1154	1154
12/18/2019 23:00	1035	1037	1154	1157
12/19/2019 0:00	1035	1035	1157	1158
12/19/2019 1:00	1035	1035	1155	1157
12/19/2019 2:00	1035	1035	1154	1156
12/19/2019 3:00	1035	1035	1154	1155
12/19/2019 4:00	1035	1035	1155	1157
12/19/2019 5:00	1035	1035	1157	1158
12/19/2019 6:00	1035	1037	1158	1158
12/19/2019 7:00	1037	1040	1156	1158
12/19/2019 8:00	1040	1040	1156	1158
12/19/2019 9:00	1040	1040	1158	1159
12/19/2019 10:00	1040	1040	1155	1158
12/19/2019 11:00	1040	1041	1154	1155
12/19/2019 12:00	1041	1041	1152	1154
12/19/2019 13:00	1041	1041	1152	1153
12/19/2019 14:00	1041	1041	1152	1153
12/19/2019 15:00	1041	1041	1152	1156
12/19/2019 16:00	1041	1041	1156	1159
12/19/2019 17:00	1041	1042	1159	1160
12/19/2019 18:00	1042	1044	1158	1159
12/19/2019 19:00	1043	1044	1158	1158
12/19/2019 20:00	1041	1043	1158	1160
12/19/2019 21:00	1038	1041	1160	1162
12/19/2019 22:00	1036	1038	1162	1166
12/19/2019 23:00	1036	1036	1166	1170
12/20/2019 0:00	1036	1037	1170	1174
12/20/2019 1:00	1036	1037	1172	1173
12/20/2019 2:00	1036	1036	1168	1172
12/20/2019 3:00	1035	1036	1167	1168
12/20/2019 4:00	1035	1036	1164	1167
12/20/2019 5:00	1036	1037	1164	1165
12/20/2019 6:00	1037	1037	1165	1165
12/20/2019 7:00	1037	1037	1164	1165
12/20/2019 8:00	1037	1037	1163	1164
12/20/2019 9:00	1037	1038	1153	1163
12/20/2019 10:00	1038	1038	1148	1153
12/20/2019 11:00	1038	1038	1144	1148
12/20/2019 12:00	1038	1038	1144	1148
12/20/2019 13:00	1038	1038	1146	1148

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/20/2019 14:00	1037	1038	1146	1148
12/20/2019 15:00	1037	1037	1148	1150
12/20/2019 16:00	1037	1037	1150	1152
12/20/2019 17:00	1037	1037	1152	1154
12/20/2019 18:00	1037	1037	1153	1156
12/20/2019 19:00	1036	1037	1152	1156
12/20/2019 20:00	1036	1036	1150	1152
12/20/2019 21:00	1034	1036	1151	1153
12/20/2019 22:00	1033	1034	1153	1154
12/20/2019 23:00	1033	1033	1154	1156
12/21/2019 0:00	1032	1033	1156	1158
12/21/2019 1:00	1032	1032	1158	1160
12/21/2019 2:00	1032	1033	1160	1161
12/21/2019 3:00	1033	1034	1161	1162
12/21/2019 4:00	1034	1034	1162	1163
12/21/2019 5:00	1034	1034	1163	1164
12/21/2019 6:00	1034	1034	1163	1164
12/21/2019 7:00	1034	1036	1163	1164
12/21/2019 8:00	1036	1036	1161	1163
12/21/2019 9:00	1036	1037	1161	1161
12/21/2019 10:00	1037	1038	1160	1161
12/21/2019 11:00	1038	1038	1158	1160
12/21/2019 12:00	1038	1039	1157	1158
12/21/2019 13:00	1038	1039	1156	1157
12/21/2019 14:00	1038	1039	1156	1156
12/21/2019 15:00	1038	1039	1155	1156
12/21/2019 16:00	1038	1038	1153	1155
12/21/2019 17:00	1038	1038	1154	1160
12/21/2019 18:00	1038	1038	1160	1161
12/21/2019 19:00	1038	1038	1155	1160
12/21/2019 20:00	1038	1038	1153	1155
12/21/2019 21:00	1038	1038	1153	1155
12/21/2019 22:00	1038	1038	1155	1156
12/21/2019 23:00	1038	1038	1156	1157
12/22/2019 0:00	1036	1038	1153	1157
12/22/2019 1:00	1035	1036	1153	1158
12/22/2019 2:00	1035	1035	1158	1159
12/22/2019 3:00	1034	1035	1159	1161
12/22/2019 4:00	1033	1034	1161	1162
12/22/2019 5:00	1033	1033	1162	1164
12/22/2019 6:00	1033	1033	1164	1166
12/22/2019 7:00	1033	1033	1166	1168
12/22/2019 8:00	1032	1033	1168	1169
12/22/2019 9:00	1032	1033	1169	1169
12/22/2019 10:00	1033	1033	1168	1169
12/22/2019 11:00	1033	1033	1168	1172
12/22/2019 12:00	1033	1033	1172	1172
12/22/2019 13:00	1033	1036	1172	1172
12/22/2019 14:00	1036	1039	1171	1172
12/22/2019 15:00	1039	1040	1172	1175
12/22/2019 16:00	1040	1040	1174	1175
12/22/2019 17:00	1040	1040	1174	1174
12/22/2019 18:00	1040	1040	1174	1174
12/22/2019 19:00	1040	1040	1174	1175
12/22/2019 20:00	1040	1040	1175	1177
12/22/2019 21:00	1040	1040	1177	1177
12/22/2019 22:00	1040	1040	1175	1177
12/22/2019 23:00	1040	1040	1173	1175
12/23/2019 0:00	1039	1040	1172	1173
12/23/2019 1:00	1039	1039	1172	1172
12/23/2019 2:00	1038	1039	1171	1172
12/23/2019 3:00	1037	1038	1171	1171
12/23/2019 4:00	1035	1037	1171	1172
12/23/2019 5:00	1034	1035	1171	1173
12/23/2019 6:00	1033	1034	1173	1174
12/23/2019 7:00	1032	1033	1174	1175
12/23/2019 8:00	1032	1032	1174	1175
12/23/2019 9:00	1032	1032	1174	1175
12/23/2019 10:00	1032	1032	1174	1177
12/23/2019 11:00	1032	1032	1173	1177
12/23/2019 12:00	1032	1033	1173	1174
12/23/2019 13:00	1033	1034	1173	1174
12/23/2019 14:00	1034	1036	1172	1173
12/23/2019 15:00	1036	1038	1172	1172
12/23/2019 16:00	1038	1039	1172	1173
12/23/2019 17:00	1039	1039	1173	1173
12/23/2019 18:00	1039	1040	1173	1176
12/23/2019 19:00	1037	1040	1175	1176
12/23/2019 20:00	1037	1037	1176	1177
12/23/2019 21:00	1037	1037	1176	1177

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/23/2019 22:00	1037	1037	1173	1176
12/23/2019 23:00	1037	1037	1172	1173
12/24/2019 0:00	1037	1037	1170	1172
12/24/2019 1:00	1037	1038	1170	1170
12/24/2019 2:00	1038	1038	1169	1170
12/24/2019 3:00	1038	1038	1169	1169
12/24/2019 4:00	1038	1038	1169	1170
12/24/2019 5:00	1038	1038	1170	1171
12/24/2019 6:00	1037	1038	1171	1173
12/24/2019 7:00	1037	1037	1173	1174
12/24/2019 8:00	1037	1037	1174	1175
12/24/2019 9:00	1036	1037	1173	1175
12/24/2019 10:00	1036	1036	1169	1173
12/24/2019 11:00	1035	1036	1166	1169
12/24/2019 12:00	1035	1035	1164	1166
12/24/2019 13:00	1034	1035	1164	1164
12/24/2019 14:00	1034	1034	1164	1164
12/24/2019 15:00	1034	1034	1164	1165
12/24/2019 16:00	1033	1034	1165	1166
12/24/2019 17:00	1033	1033	1166	1166
12/24/2019 18:00	1033	1033	1165	1166
12/24/2019 19:00	1033	1033	1165	1165
12/24/2019 20:00	1033	1034	1165	1165
12/24/2019 21:00	1034	1035	1165	1165
12/24/2019 22:00	1035	1036	1164	1165
12/24/2019 23:00	1036	1036	1164	1165
12/25/2019 0:00	1035	1036	1164	1165
12/25/2019 1:00	1034	1035	1164	1165
12/25/2019 2:00	1033	1034	1164	1164
12/25/2019 3:00	1032	1033	1164	1165
12/25/2019 4:00	1032	1032	1164	1165
12/25/2019 5:00	1032	1032	1165	1166
12/25/2019 6:00	1032	1032	1166	1166
12/25/2019 7:00	1032	1032	1166	1166
12/25/2019 8:00	1032	1032	1166	1167
12/25/2019 9:00	1031	1032	1167	1168
12/25/2019 10:00	1030	1031	1168	1169
12/25/2019 11:00	1030	1030	1167	1168
12/25/2019 12:00	1030	1030	1167	1168
12/25/2019 13:00	1030	1030	1167	1168
12/25/2019 14:00	1030	1030	1167	1168
12/25/2019 15:00	1030	1033	1168	1168
12/25/2019 16:00	1033	1034	1168	1170
12/25/2019 17:00	1034	1034	1170	1171
12/25/2019 18:00	1034	1035	1171	1171
12/25/2019 19:00	1035	1036	1170	1171
12/25/2019 20:00	1036	1036	1169	1170
12/25/2019 21:00	1036	1036	1168	1169
12/25/2019 22:00	1034	1036	1167	1168
12/25/2019 23:00	1034	1034	1167	1169
12/26/2019 0:00	1034	1034	1168	1170
12/26/2019 1:00	1034	1036	1169	1170
12/26/2019 2:00	1036	1036	1169	1170
12/26/2019 3:00	1036	1037	1170	1170
12/26/2019 4:00	1037	1037	1170	1170
12/26/2019 5:00	1037	1037	1169	1170
12/26/2019 6:00	1036	1037	1169	1169
12/26/2019 7:00	1036	1036	1169	1169
12/26/2019 8:00	1035	1036	1169	1169
12/26/2019 9:00	1034	1035	1169	1169
12/26/2019 10:00	1034	1035	1169	1169
12/26/2019 11:00	1035	1035	1168	1169
12/26/2019 12:00	1035	1035	1168	1168
12/26/2019 13:00	1034	1035	1168	1169
12/26/2019 14:00	1033	1034	1168	1169
12/26/2019 15:00	1033	1033	1168	1169
12/26/2019 16:00	1032	1033	1169	1169
12/26/2019 17:00	1032	1032	1169	1170
12/26/2019 18:00	1032	1032	1170	1170
12/26/2019 19:00	1032	1033	1169	1170
12/26/2019 20:00	1033	1034	1169	1170
12/26/2019 21:00	1034	1035	1168	1170
12/26/2019 22:00	1035	1036	1167	1168
12/26/2019 23:00	1036	1037	1167	1167
12/27/2019 0:00	1037	1038	1167	1169
12/27/2019 1:00	1038	1038	1169	1170
12/27/2019 2:00	1038	1038	1170	1174
12/27/2019 3:00	1038	1038	1169	1174
12/27/2019 4:00	1037	1038	1169	1170
12/27/2019 5:00	1036	1037	1169	1170

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/27/2019 6:00	1036	1036	1168	1170
12/27/2019 7:00	1033	1036	1170	1171
12/27/2019 8:00	1032	1033	1171	1178
12/27/2019 9:00	1032	1032	1174	1178
12/27/2019 10:00	1032	1032	1171	1174
12/27/2019 11:00	1032	1032	1171	1172
12/27/2019 12:00	1031	1032	1171	1172
12/27/2019 13:00	1031	1031	1169	1171
12/27/2019 14:00	1031	1031	1169	1170
12/27/2019 15:00	1031	1032	1168	1170
12/27/2019 16:00	1032	1034	1168	1168
12/27/2019 17:00	1034	1035	1168	1169
12/27/2019 18:00	1035	1036	1168	1169
12/27/2019 19:00	1036	1037	1168	1169
12/27/2019 20:00	1037	1037	1168	1169
12/27/2019 21:00	1037	1037	1167	1169
12/27/2019 22:00	1037	1038	1169	1171
12/27/2019 23:00	1038	1038	1166	1169
12/28/2019 0:00	1037	1038	1165	1166
12/28/2019 1:00	1037	1037	1165	1165
12/28/2019 2:00	1037	1037	1165	1166
12/28/2019 3:00	1037	1037	1165	1166
12/28/2019 4:00	1037	1037	1165	1167
12/28/2019 5:00	1036	1037	1167	1168
12/28/2019 6:00	1036	1036	1168	1169
12/28/2019 7:00	1035	1036	1169	1169
12/28/2019 8:00	1034	1035	1166	1169
12/28/2019 9:00	1033	1034	1166	1166
12/28/2019 10:00	1033	1033	1165	1166
12/28/2019 11:00	1032	1033	1165	1166
12/28/2019 12:00	1032	1032	1164	1166
12/28/2019 13:00	1032	1032	1164	1164
12/28/2019 14:00	1032	1032	1164	1165
12/28/2019 15:00	1032	1032	1165	1166
12/28/2019 16:00	1032	1032	1166	1167
12/28/2019 17:00	1032	1033	1167	1168
12/28/2019 18:00	1033	1033	1168	1168
12/28/2019 19:00	1033	1033	1168	1168
12/28/2019 20:00	1033	1034	1168	1169
12/28/2019 21:00	1034	1035	1169	1170
12/28/2019 22:00	1035	1036	1169	1169
12/28/2019 23:00	1036	1036	1169	1170
12/29/2019 0:00	1036	1036	1169	1170
12/29/2019 1:00	1036	1037	1169	1171
12/29/2019 2:00	1037	1037	1171	1171
12/29/2019 3:00	1037	1037	1171	1172
12/29/2019 4:00	1037	1037	1169	1172
12/29/2019 5:00	1037	1037	1169	1170
12/29/2019 6:00	1037	1037	1170	1172
12/29/2019 7:00	1037	1037	1172	1172
12/29/2019 8:00	1037	1037	1171	1172
12/29/2019 9:00	1036	1037	1171	1171
12/29/2019 10:00	1035	1036	1169	1171
12/29/2019 11:00	1033	1035	1168	1169
12/29/2019 12:00	1033	1033	1164	1169
12/29/2019 13:00	1033	1033	1161	1164
12/29/2019 14:00	1033	1033	1161	1162
12/29/2019 15:00	1033	1033	1162	1164
12/29/2019 16:00	1032	1033	1164	1164
12/29/2019 17:00	1032	1032	1163	1165
12/29/2019 18:00	1032	1032	1163	1164
12/29/2019 19:00	1032	1033	1160	1164
12/29/2019 20:00	1033	1033	1160	1161
12/29/2019 21:00	1033	1033	1161	1162
12/29/2019 22:00	1033	1034	1161	1163
12/29/2019 23:00	1034	1035	1162	1163
12/30/2019 0:00	1035	1036	1162	1163
12/30/2019 1:00	1036	1037	1163	1163
12/30/2019 2:00	1037	1037	1163	1164
12/30/2019 3:00	1037	1037	1164	1165
12/30/2019 4:00	1037	1037	1165	1166
12/30/2019 5:00	1037	1037	1164	1165
12/30/2019 6:00	1037	1037	1164	1165
12/30/2019 7:00	1037	1037	1165	1165
12/30/2019 8:00	1037	1037	1165	1166
12/30/2019 9:00	1036	1037	1166	1167
12/30/2019 10:00	1036	1036	1167	1167
12/30/2019 11:00	1035	1036	1166	1167
12/30/2019 12:00	1034	1035	1165	1166
12/30/2019 13:00	1034	1034	1165	1166

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/30/2019 14:00	1034	1036	1165	1165
12/30/2019 15:00	1036	1036	1162	1165
12/30/2019 16:00	1036	1036	1163	1163
12/30/2019 17:00	1035	1036	1163	1164
12/30/2019 18:00	1034	1035	1164	1166
12/30/2019 19:00	1033	1034	1166	1167
12/30/2019 20:00	1033	1035	1166	1167
12/30/2019 21:00	1034	1035	1166	1166
12/30/2019 22:00	1032	1034	1166	1166
12/30/2019 23:00	1032	1033	1166	1167
12/31/2019 0:00	1033	1035	1166	1167
12/31/2019 1:00	1035	1038	1165	1166
12/31/2019 2:00	1038	1038	1165	1166
12/31/2019 3:00	1038	1038	1165	1166
12/31/2019 4:00	1038	1038	1166	1167
12/31/2019 5:00	1038	1038	1164	1166
12/31/2019 6:00	1038	1038	1165	1167
12/31/2019 7:00	1038	1038	1167	1168
12/31/2019 8:00	1038	1038	1168	1170
12/31/2019 9:00	1038	1038	1168	1170
12/31/2019 10:00	1038	1038	1168	1168
12/31/2019 11:00	1037	1038	1168	1168
12/31/2019 12:00	1036	1037	1166	1168
12/31/2019 13:00	1034	1036	1165	1166
12/31/2019 14:00	1033	1034	1165	1165
12/31/2019 15:00	1033	1033	1165	1165
12/31/2019 16:00	1033	1033	1165	1166
12/31/2019 17:00	1033	1033	1166	1167
12/31/2019 18:00	1033	1033	1167	1167
12/31/2019 19:00	1033	1033	1166	1167
12/31/2019 20:00	1033	1033	1166	1166
12/31/2019 21:00	1033	1033	1166	1166
12/31/2019 22:00	1033	1034	1166	1167
12/31/2019 23:00	1034	1036	1164	1166