



825 Rice Street  
Saint Paul, MN 55117

March 16, 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 February 2020 as required by N.D. PU-20-89.

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'.

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
2/1/2020 1:00	1036	1038	1160	1161
2/1/2020 2:00	1036	1037	1161	1161
2/1/2020 3:00	1037	1037	1161	1161
2/1/2020 4:00	1037	1037	1161	1162
2/1/2020 5:00	1037	1037	1162	1163
2/1/2020 6:00	1037	1038	1163	1166
2/1/2020 7:00	1038	1038	1165	1167
2/1/2020 8:00	1038	1038	1166	1167
2/1/2020 9:00	1038	1038	1164	1166
2/1/2020 10:00	1038	1038	1163	1164
2/1/2020 11:00	1037	1038	1162	1163
2/1/2020 12:00	1036	1037	1162	1163
2/1/2020 13:00	1033	1036	1163	1165
2/1/2020 14:00	1031	1033	1164	1165
2/1/2020 15:00	1031	1031	1163	1165
2/1/2020 16:00	1031	1031	1163	1163
2/1/2020 17:00	1031	1032	1162	1163
2/1/2020 18:00	1032	1032	1162	1163
2/1/2020 19:00	1032	1037	1163	1163
2/1/2020 20:00	1037	1038	1163	1164
2/1/2020 21:00	1038	1038	1159	1163
2/1/2020 22:00	1038	1038	1159	1161
2/1/2020 23:00	1037	1038	1161	1162
2/2/2020 0:00	1037	1037	1162	1162
2/2/2020 1:00	1037	1037	1162	1163
2/2/2020 2:00	1037	1037	1163	1164
2/2/2020 3:00	1037	1037	1162	1163
2/2/2020 4:00	1037	1037	1162	1163
2/2/2020 5:00	1037	1037	1163	1164
2/2/2020 6:00	1037	1038	1164	1165
2/2/2020 7:00	1038	1038	1165	1167
2/2/2020 8:00	1038	1038	1167	1169
2/2/2020 9:00	1036	1038	1169	1170
2/2/2020 10:00	1034	1036	1170	1171
2/2/2020 11:00	1032	1034	1171	1171
2/2/2020 12:00	1031	1032	1171	1171
2/2/2020 13:00	1030	1031	1170	1171
2/2/2020 14:00	1030	1030	1168	1170
2/2/2020 15:00	1030	1030	1168	1168
2/2/2020 16:00	1030	1032	1167	1168
2/2/2020 17:00	1032	1034	1167	1168
2/2/2020 18:00	1034	1036	1168	1169
2/2/2020 19:00	1036	1037	1167	1168
2/2/2020 20:00	1037	1038	1167	1168
2/2/2020 21:00	1037	1038	1167	1168
2/2/2020 22:00	1037	1038	1168	1169
2/2/2020 23:00	1038	1038	1168	1169
2/3/2020 0:00	1038	1038	1168	1168
2/3/2020 1:00	1038	1038	1168	1168
2/3/2020 2:00	1038	1038	1168	1169
2/3/2020 3:00	1038	1038	1169	1172
2/3/2020 4:00	1038	1038	1172	1175
2/3/2020 5:00	1038	1038	1173	1175
2/3/2020 6:00	1038	1038	1172	1173
2/3/2020 7:00	1038	1038	1172	1173
2/3/2020 8:00	1038	1038	1173	1174
2/3/2020 9:00	1038	1038	1174	1174
2/3/2020 10:00	1038	1038	1174	1175
2/3/2020 11:00	1038	1038	1174	1175
2/3/2020 12:00	1038	1038	1173	1174
2/3/2020 13:00	1038	1038	1172	1173
2/3/2020 14:00	1037	1038	1171	1172
2/3/2020 15:00	1035	1037	1171	1172
2/3/2020 16:00	1035	1036	1172	1173
2/3/2020 17:00	1036	1037	1173	1174
2/3/2020 18:00	1037	1037	1174	1174
2/3/2020 19:00	1036	1037	1174	1174
2/3/2020 20:00	1035	1036	1173	1174
2/3/2020 21:00	1035	1035	1172	1173
2/3/2020 22:00	1035	1036	1171	1172
2/3/2020 23:00	1036	1037	1169	1171
2/4/2020 0:00	1037	1037	1169	1171

**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
2/4/2020 1:00	1037	1037	1169	1171
2/4/2020 2:00	1037	1037	1169	1171
2/4/2020 3:00	1037	1037	1166	1171
2/4/2020 4:00	1037	1037	1166	1166
2/4/2020 5:00	1037	1037	1163	1166
2/4/2020 6:00	1037	1037	1163	1167
2/4/2020 7:00	1037	1037	1161	1167
2/4/2020 8:00	1036	1037	1161	1161
2/4/2020 9:00	1035	1036	1161	1162
2/4/2020 10:00	1035	1035	1162	1164
2/4/2020 11:00	1035	1035	1164	1165
2/4/2020 12:00	1035	1035	1164	1165
2/4/2020 13:00	1035	1035	1164	1166
2/4/2020 14:00	1035	1036	1165	1165
2/4/2020 15:00	1036	1036	1165	1165
2/4/2020 16:00	1036	1036	1165	1166
2/4/2020 17:00	1036	1036	1166	1166
2/4/2020 18:00	1036	1037	1166	1168
2/4/2020 19:00	1037	1037	1167	1168
2/4/2020 20:00	1037	1037	1160	1167
2/4/2020 21:00	1037	1038	1159	1160
2/4/2020 22:00	1037	1038	1160	1162
2/4/2020 23:00	1037	1037	1162	1162
2/5/2020 0:00	1037	1037	1162	1164
2/5/2020 1:00	1037	1038	1162	1164
2/5/2020 2:00	1038	1038	1162	1163
2/5/2020 3:00	1038	1038	1161	1162
2/5/2020 4:00	1037	1038	1161	1163
2/5/2020 5:00	1037	1037	1162	1163
2/5/2020 6:00	1037	1037	1162	1163
2/5/2020 7:00	1037	1037	1161	1162
2/5/2020 8:00	1037	1037	1162	1163
2/5/2020 9:00	1037	1037	1162	1163
2/5/2020 10:00	1037	1037	1158	1162
2/5/2020 11:00	1037	1037	1157	1158
2/5/2020 12:00	1036	1037	1157	1159
2/5/2020 13:00	1036	1037	1158	1159
2/5/2020 14:00	1037	1037	1158	1158
2/5/2020 15:00	1037	1038	1156	1158
2/5/2020 16:00	1037	1038	1155	1156
2/5/2020 17:00	1037	1038	1155	1157
2/5/2020 18:00	1037	1038	1157	1158
2/5/2020 19:00	1037	1037	1157	1158
2/5/2020 20:00	1037	1037	1154	1158
2/5/2020 21:00	1037	1037	1153	1154
2/5/2020 22:00	1037	1037	1154	1154
2/5/2020 23:00	1037	1037	1153	1154
2/6/2020 0:00	1037	1037	1153	1153
2/6/2020 1:00	1037	1037	1153	1155
2/6/2020 2:00	1037	1037	1155	1155
2/6/2020 3:00	1037	1037	1155	1156
2/6/2020 4:00	1037	1037	1156	1157
2/6/2020 5:00	1037	1037	1157	1157
2/6/2020 6:00	1037	1037	1157	1158
2/6/2020 7:00	1037	1038	1158	1159
2/6/2020 8:00	1038	1039	1159	1160
2/6/2020 9:00	1039	1039	1160	1161
2/6/2020 10:00	1039	1039	1161	1162
2/6/2020 11:00	1039	1040	1160	1161
2/6/2020 12:00	1040	1040	1160	1160
2/6/2020 13:00	1039	1040	1158	1160
2/6/2020 14:00	1039	1039	1157	1158
2/6/2020 15:00	1038	1039	1155	1157
2/6/2020 16:00	1034	1038	1155	1155
2/6/2020 17:00	1033	1034	1155	1156
2/6/2020 18:00	1033	1035	1156	1157
2/6/2020 19:00	1035	1035	1156	1157
2/6/2020 20:00	1035	1035	1156	1156
2/6/2020 21:00	1035	1036	1154	1156
2/6/2020 22:00	1036	1036	1154	1155
2/6/2020 23:00	1036	1037	1155	1156
2/7/2020 0:00	1037	1037	1155	1156
2/7/2020 1:00	1037	1037	1155	1157
2/7/2020 2:00	1037	1037	1157	1159
2/7/2020 3:00	1037	1037	1159	1160
2/7/2020 4:00	1037	1037	1160	1160
2/7/2020 5:00	1037	1037	1160	1161
2/7/2020 6:00	1036	1037	1161	1164
2/7/2020 7:00	1036	1036	1164	1164
2/7/2020 8:00	1036	1036	1163	1164

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
2/7/2020 9:00	1036	1036	1163	1163
2/7/2020 10:00	1036	1036	1162	1163
2/7/2020 11:00	1035	1036	1162	1162
2/7/2020 12:00	1035	1035	1161	1162
2/7/2020 13:00	1035	1035	1161	1162
2/7/2020 14:00	1035	1035	1159	1161
2/7/2020 15:00	1035	1035	1158	1159
2/7/2020 16:00	1035	1035	1158	1159
2/7/2020 17:00	1034	1035	1157	1159
2/7/2020 18:00	1034	1034	1156	1157
2/7/2020 19:00	1033	1034	1155	1156
2/7/2020 20:00	1032	1033	1155	1155
2/7/2020 21:00	1032	1032	1155	1155
2/7/2020 22:00	1032	1032	1155	1155
2/7/2020 23:00	1032	1033	1155	1157
2/8/2020 0:00	1033	1033	1154	1156
2/8/2020 1:00	1033	1034	1153	1154
2/8/2020 2:00	1034	1034	1153	1154
2/8/2020 3:00	1034	1034	1154	1155
2/8/2020 4:00	1034	1034	1155	1156
2/8/2020 5:00	1034	1034	1156	1156
2/8/2020 6:00	1034	1034	1156	1158
2/8/2020 7:00	1034	1034	1156	1158
2/8/2020 8:00	1034	1034	1154	1156
2/8/2020 9:00	1033	1034	1151	1154
2/8/2020 10:00	1033	1033	1150	1151
2/8/2020 11:00	1033	1033	1151	1151
2/8/2020 12:00	1033	1033	1150	1151
2/8/2020 13:00	1033	1033	1146	1150
2/8/2020 14:00	1033	1033	1146	1147
2/8/2020 15:00	1033	1034	1143	1147
2/8/2020 16:00	1034	1035	1143	1145
2/8/2020 17:00	1035	1035	1145	1148
2/8/2020 18:00	1035	1035	1147	1150
2/8/2020 19:00	1035	1035	1150	1150
2/8/2020 20:00	1035	1035	1150	1151
2/8/2020 21:00	1035	1035	1151	1151
2/8/2020 22:00	1035	1035	1151	1154
2/8/2020 23:00	1035	1035	1153	1154
2/9/2020 0:00	1035	1037	1151	1153
2/9/2020 1:00	1037	1037	1151	1152
2/9/2020 2:00	1036	1037	1152	1152
2/9/2020 3:00	1036	1036	1152	1153
2/9/2020 4:00	1036	1036	1153	1154
2/9/2020 5:00	1036	1037	1154	1156
2/9/2020 6:00	1037	1037	1156	1161
2/9/2020 7:00	1037	1037	1161	1162
2/9/2020 8:00	1037	1037	1162	1163
2/9/2020 9:00	1037	1037	1162	1163
2/9/2020 10:00	1037	1037	1162	1162
2/9/2020 11:00	1037	1037	1162	1163
2/9/2020 12:00	1037	1037	1161	1163
2/9/2020 13:00	1037	1037	1161	1161
2/9/2020 14:00	1037	1037	1160	1161
2/9/2020 15:00	1037	1037	1161	1161
2/9/2020 16:00	1037	1037	1161	1164
2/9/2020 17:00	1037	1037	1163	1164
2/9/2020 18:00	1037	1037	1162	1163
2/9/2020 19:00	1037	1037	1163	1165
2/9/2020 20:00	1037	1037	1164	1165
2/9/2020 21:00	1037	1037	1165	1165
2/9/2020 22:00	1037	1038	1165	1165
2/9/2020 23:00	1038	1039	1164	1165
2/10/2020 0:00	1039	1039	1164	1164
2/10/2020 1:00	1039	1039	1163	1164
2/10/2020 2:00	1039	1039	1163	1165
2/10/2020 3:00	1039	1039	1165	1165
2/10/2020 4:00	1039	1039	1165	1167
2/10/2020 5:00	1039	1039	1167	1168
2/10/2020 6:00	1038	1039	1168	1168
2/10/2020 7:00	1036	1038	1168	1169
2/10/2020 8:00	1035	1036	1169	1170
2/10/2020 9:00	1033	1035	1169	1169
2/10/2020 10:00	1033	1033	1168	1169
2/10/2020 11:00	1033	1033	1166	1168
2/10/2020 12:00	1033	1034	1166	1166
2/10/2020 13:00	1034	1036	1165	1166
2/10/2020 14:00	1036	1038	1166	1167
2/10/2020 15:00	1038	1040	1167	1168
2/10/2020 16:00	1040	1040	1168	1168

**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
2/10/2020 17:00	1040	1041	1168	1169
2/10/2020 18:00	1040	1041	1169	1169
2/10/2020 19:00	1040	1040	1169	1170
2/10/2020 20:00	1040	1040	1169	1170
2/10/2020 21:00	1040	1040	1168	1170
2/10/2020 22:00	1039	1040	1170	1171
2/10/2020 23:00	1039	1039	1170	1171
2/11/2020 0:00	1039	1040	1171	1172
2/11/2020 1:00	1040	1040	1172	1173
2/11/2020 2:00	1040	1040	1170	1172
2/11/2020 3:00	1040	1040	1170	1172
2/11/2020 4:00	1040	1040	1170	1172
2/11/2020 5:00	1040	1040	1170	1171
2/11/2020 6:00	1039	1040	1171	1171
2/11/2020 7:00	1037	1039	1170	1171
2/11/2020 8:00	1037	1037	1170	1171
2/11/2020 9:00	1037	1039	1171	1171
2/11/2020 10:00	1039	1039	1171	1173
2/11/2020 11:00	1039	1039	1172	1173
2/11/2020 12:00	1039	1039	1172	1172
2/11/2020 13:00	1035	1039	1171	1172
2/11/2020 14:00	1035	1038	1170	1171
2/11/2020 15:00	1038	1040	1170	1170
2/11/2020 16:00	1040	1040	1170	1171
2/11/2020 17:00	1040	1040	1170	1171
2/11/2020 18:00	1039	1040	1170	1170
2/11/2020 19:00	1039	1039	1169	1170
2/11/2020 20:00	1037	1039	1170	1170
2/11/2020 21:00	1036	1037	1170	1170
2/11/2020 22:00	1036	1038	1168	1170
2/11/2020 23:00	1038	1040	1167	1168
2/12/2020 0:00	1040	1040	1167	1168
2/12/2020 1:00	1040	1040	1167	1168
2/12/2020 2:00	1040	1040	1161	1168
2/12/2020 3:00	1040	1040	1160	1163
2/12/2020 4:00	1040	1041	1163	1167
2/12/2020 5:00	1041	1041	1166	1168
2/12/2020 6:00	1041	1041	1168	1169
2/12/2020 7:00	1041	1041	1169	1169
2/12/2020 8:00	1041	1041	1169	1169
2/12/2020 9:00	1041	1041	1169	1169
2/12/2020 10:00	1040	1041	1167	1169
2/12/2020 11:00	1038	1040	1163	1168
2/12/2020 12:00	1035	1038	1163	1164
2/12/2020 13:00	1035	1035	1164	1166
2/12/2020 14:00	1035	1035	1166	1167
2/12/2020 15:00	1033	1036	1167	1167
2/12/2020 16:00	1038	1038	1167	1168
2/12/2020 17:00	1038	1039	1167	1168
2/12/2020 18:00	1039	1040	1167	1167
2/12/2020 19:00	1040	1040	1167	1168
2/12/2020 20:00	1040	1041	1166	1168
2/12/2020 21:00	1041	1041	1164	1166
2/12/2020 22:00	1041	1041	1163	1164
2/12/2020 23:00	1041	1041	1163	1164
2/13/2020 0:00	1040	1041	1164	1166
2/13/2020 1:00	1039	1040	1166	1168
2/13/2020 2:00	1037	1039	1168	1169
2/13/2020 3:00	1037	1037	1169	1172
2/13/2020 4:00	1037	1038	1172	1175
2/13/2020 5:00	1038	1038	1170	1175
2/13/2020 6:00	1038	1039	1170	1172
2/13/2020 7:00	1039	1042	1172	1174
2/13/2020 8:00	1042	1043	1170	1174
2/13/2020 9:00	1042	1043	1167	1170
2/13/2020 10:00	1042	1042	1166	1167
2/13/2020 11:00	1042	1042	1162	1166
2/13/2020 12:00	1042	1042	1161	1162
2/13/2020 13:00	1042	1042	1161	1162
2/13/2020 14:00	1042	1042	1162	1164
2/13/2020 15:00	1042	1042	1162	1164
2/13/2020 16:00	1042	1042	1159	1162
2/13/2020 17:00	1042	1042	1159	1160
2/13/2020 18:00	1042	1042	1160	1161
2/13/2020 19:00	1042	1042	1161	1162
2/13/2020 20:00	1041	1042	1160	1161
2/13/2020 21:00	1040	1041	1158	1160
2/13/2020 22:00	1038	1040	1157	1159
2/13/2020 23:00	1037	1038	1155	1157
2/14/2020 0:00	1037	1037	1154	1155

**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
2/14/2020 1:00	1037	1037	1154	1154
2/14/2020 2:00	1037	1037	1154	1155
2/14/2020 3:00	1037	1039	1153	1155
2/14/2020 4:00	1039	1039	1152	1153
2/14/2020 5:00	1039	1039	1152	1153
2/14/2020 6:00	1039	1039	1153	1154
2/14/2020 7:00	1039	1039	1150	1153
2/14/2020 8:00	1038	1039	1145	1150
2/14/2020 9:00	1038	1039	1144	1145
2/14/2020 10:00	1039	1040	1144	1145
2/14/2020 11:00	1040	1040	1145	1146
2/14/2020 12:00	1040	1040	1145	1146
2/14/2020 13:00	1040	1040	1145	1146
2/14/2020 14:00	1038	1040	1146	1147
2/14/2020 15:00	1038	1038	1147	1149
2/14/2020 16:00	1038	1039	1149	1151
2/14/2020 17:00	1039	1040	1151	1151
2/14/2020 18:00	1040	1040	1151	1152
2/14/2020 19:00	1040	1040	1144	1151
2/14/2020 20:00	1040	1041	1144	1145
2/14/2020 21:00	1041	1041	1145	1147
2/14/2020 22:00	1041	1041	1146	1147
2/14/2020 23:00	1041	1041	1146	1147
2/15/2020 0:00	1041	1041	1146	1147
2/15/2020 1:00	1040	1041	1144	1146
2/15/2020 2:00	1040	1040	1144	1144
2/15/2020 3:00	1039	1040	1144	1145
2/15/2020 4:00	1038	1039	1145	1146
2/15/2020 5:00	1037	1038	1146	1147
2/15/2020 6:00	1036	1037	1145	1147
2/15/2020 7:00	1035	1036	1145	1145
2/15/2020 8:00	1034	1035	1142	1145
2/15/2020 9:00	1034	1034	1141	1142
2/15/2020 10:00	1034	1035	1142	1144
2/15/2020 11:00	1035	1035	1144	1145
2/15/2020 12:00	1035	1037	1144	1148
2/15/2020 13:00	1037	1038	1148	1152
2/15/2020 14:00	1038	1039	1151	1152
2/15/2020 15:00	1039	1039	1150	1151
2/15/2020 16:00	1039	1039	1151	1155
2/15/2020 17:00	1039	1039	1155	1160
2/15/2020 18:00	1039	1040	1160	1163
2/15/2020 19:00	1040	1040	1161	1163
2/15/2020 20:00	1040	1040	1160	1161
2/15/2020 21:00	1039	1040	1160	1160
2/15/2020 22:00	1039	1039	1160	1162
2/15/2020 23:00	1038	1039	1162	1163
2/16/2020 0:00	1038	1038	1163	1163
2/16/2020 1:00	1037	1038	1163	1164
2/16/2020 2:00	1037	1037	1164	1165
2/16/2020 3:00	1036	1037	1165	1168
2/16/2020 4:00	1035	1036	1168	1171
2/16/2020 5:00	1033	1035	1171	1172
2/16/2020 6:00	1033	1034	1170	1172
2/16/2020 7:00	1033	1034	1170	1173
2/16/2020 8:00	1033	1033	1173	1174
2/16/2020 9:00	1033	1035	1172	1173
2/16/2020 10:00	1035	1036	1172	1173
2/16/2020 11:00	1036	1038	1173	1173
2/16/2020 12:00	1038	1038	1173	1173
2/16/2020 13:00	1038	1038	1173	1175
2/16/2020 14:00	1038	1038	1175	1176
2/16/2020 15:00	1038	1038	1173	1175
2/16/2020 16:00	1038	1039	1172	1173
2/16/2020 17:00	1039	1040	1173	1173
2/16/2020 18:00	1040	1040	1172	1173
2/16/2020 19:00	1040	1040	1170	1172
2/16/2020 20:00	1040	1041	1167	1170
2/16/2020 21:00	1041	1041	1166	1167
2/16/2020 22:00	1041	1041	1165	1166
2/16/2020 23:00	1041	1041	1164	1165
2/17/2020 0:00	1041	1041	1163	1164
2/17/2020 1:00	1041	1041	1164	1164
2/17/2020 2:00	1040	1041	1164	1165
2/17/2020 3:00	1039	1040	1164	1165
2/17/2020 4:00	1038	1039	1165	1166
2/17/2020 5:00	1038	1038	1166	1166
2/17/2020 6:00	1038	1039	1166	1167
2/17/2020 7:00	1039	1040	1167	1168
2/17/2020 8:00	1040	1040	1166	1167

**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
2/17/2020 9:00	1038	1040	1167	1167
2/17/2020 10:00	1037	1038	1166	1167
2/17/2020 11:00	1036	1037	1165	1166
2/17/2020 12:00	1035	1036	1163	1165
2/17/2020 13:00	1034	1035	1162	1163
2/17/2020 14:00	1033	1034	1161	1162
2/17/2020 15:00	1033	1034	1160	1161
2/17/2020 16:00	1034	1035	1160	1160
2/17/2020 17:00	1035	1035	1158	1160
2/17/2020 18:00	1035	1038	1158	1159
2/17/2020 19:00	1038	1039	1159	1159
2/17/2020 20:00	1039	1039	1159	1159
2/17/2020 21:00	1039	1039	1159	1160
2/17/2020 22:00	1039	1039	1160	1160
2/17/2020 23:00	1039	1039	1160	1162
2/18/2020 0:00	1039	1039	1162	1164
2/18/2020 1:00	1039	1039	1164	1167
2/18/2020 2:00	1037	1039	1166	1167
2/18/2020 3:00	1036	1037	1167	1169
2/18/2020 4:00	1036	1036	1169	1171
2/18/2020 5:00	1035	1036	1171	1173
2/18/2020 6:00	1035	1035	1172	1173
2/18/2020 7:00	1035	1036	1172	1173
2/18/2020 8:00	1036	1037	1172	1173
2/18/2020 9:00	1037	1038	1172	1172
2/18/2020 10:00	1037	1038	1170	1172
2/18/2020 11:00	1036	1037	1169	1170
2/18/2020 12:00	1035	1036	1169	1169
2/18/2020 13:00	1035	1035	1168	1169
2/18/2020 14:00	1035	1036	1167	1168
2/18/2020 15:00	1036	1037	1166	1167
2/18/2020 16:00	1037	1037	1164	1166
2/18/2020 17:00	1037	1037	1166	1166
2/18/2020 18:00	1036	1037	1164	1166
2/18/2020 19:00	1036	1036	1164	1164
2/18/2020 20:00	1036	1036	1164	1164
2/18/2020 21:00	1036	1037	1164	1164
2/18/2020 22:00	1037	1037	1164	1165
2/18/2020 23:00	1037	1037	1164	1165
2/19/2020 0:00	1037	1037	1164	1165
2/19/2020 1:00	1037	1037	1165	1167
2/19/2020 2:00	1036	1037	1167	1168
2/19/2020 3:00	1036	1036	1168	1171
2/19/2020 4:00	1036	1036	1171	1172
2/19/2020 5:00	1036	1036	1172	1172
2/19/2020 6:00	1035	1036	1171	1172
2/19/2020 7:00	1034	1035	1166	1172
2/19/2020 8:00	1034	1034	1164	1166
2/19/2020 9:00	1033	1034	1163	1164
2/19/2020 10:00	1033	1033	1162	1163
2/19/2020 11:00	1033	1034	1160	1162
2/19/2020 12:00	1034	1034	1158	1160
2/19/2020 13:00	1034	1034	1157	1159
2/19/2020 14:00	1033	1034	1157	1159
2/19/2020 15:00	1033	1033	1159	1159
2/19/2020 16:00	1033	1035	1159	1159
2/19/2020 17:00	1035	1035	1159	1159
2/19/2020 18:00	1035	1036	1159	1159
2/19/2020 19:00	1036	1036	1159	1161
2/19/2020 20:00	1036	1036	1160	1161
2/19/2020 21:00	1035	1036	1159	1160
2/19/2020 22:00	1035	1036	1158	1159
2/19/2020 23:00	1036	1036	1157	1159
2/20/2020 0:00	1036	1036	1156	1157
2/20/2020 1:00	1035	1036	1154	1156
2/20/2020 2:00	1034	1035	1154	1155
2/20/2020 3:00	1034	1034	1153	1155
2/20/2020 4:00	1034	1035	1153	1154
2/20/2020 5:00	1034	1035	1153	1154
2/20/2020 6:00	1034	1034	1153	1154
2/20/2020 7:00	1034	1034	1154	1155
2/20/2020 8:00	1032	1034	1151	1154
2/20/2020 9:00	1032	1032	1148	1151
2/20/2020 10:00	1032	1032	1147	1148
2/20/2020 11:00	1032	1032	1146	1147
2/20/2020 12:00	1032	1034	1146	1147
2/20/2020 13:00	1034	1035	1146	1147
2/20/2020 14:00	1035	1036	1145	1146
2/20/2020 15:00	1036	1036	1146	1147
2/20/2020 16:00	1035	1036	1146	1147

**Xcel Energy**  
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
2/20/2020 17:00	1035	1035	1147	1149
2/20/2020 18:00	1034	1035	1149	1150
2/20/2020 19:00	1033	1034	1149	1150
2/20/2020 20:00	1033	1033	1148	1149
2/20/2020 21:00	1033	1033	1149	1149
2/20/2020 22:00	1033	1033	1147	1149
2/20/2020 23:00	1033	1033	1146	1147
2/21/2020 0:00	1032	1033	1146	1147
2/21/2020 1:00	1031	1032	1146	1147
2/21/2020 2:00	1030	1031	1146	1147
2/21/2020 3:00	1029	1030	1146	1147
2/21/2020 4:00	1029	1030	1144	1146
2/21/2020 5:00	1030	1031	1142	1144
2/21/2020 6:00	1031	1032	1143	1145
2/21/2020 7:00	1032	1035	1145	1146
2/21/2020 8:00	1035	1035	1145	1146
2/21/2020 9:00	1035	1035	1145	1145
2/21/2020 10:00	1035	1035	1145	1148
2/21/2020 11:00	1035	1036	1148	1151
2/21/2020 12:00	1036	1036	1151	1152
2/21/2020 13:00	1036	1037	1152	1152
2/21/2020 14:00	1037	1037	1152	1153
2/21/2020 15:00	1037	1037	1153	1155
2/21/2020 16:00	1037	1037	1153	1154
2/21/2020 17:00	1037	1037	1154	1155
2/21/2020 18:00	1037	1037	1155	1156
2/21/2020 19:00	1036	1037	1155	1156
2/21/2020 20:00	1036	1036	1155	1155
2/21/2020 21:00	1036	1036	1155	1155
2/21/2020 22:00	1035	1036	1155	1157
2/21/2020 23:00	1034	1035	1157	1158
2/22/2020 0:00	1034	1034	1157	1157
2/22/2020 1:00	1034	1034	1157	1157
2/22/2020 2:00	1032	1034	1157	1157
2/22/2020 3:00	1031	1032	1157	1159
2/22/2020 4:00	1031	1031	1157	1159
2/22/2020 5:00	1031	1031	1158	1160
2/22/2020 6:00	1031	1032	1160	1162
2/22/2020 7:00	1032	1034	1162	1163
2/22/2020 8:00	1034	1036	1161	1163
2/22/2020 9:00	1036	1037	1160	1161
2/22/2020 10:00	1037	1038	1160	1162
2/22/2020 11:00	1038	1039	1161	1162
2/22/2020 12:00	1039	1039	1162	1165
2/22/2020 13:00	1039	1039	1163	1165
2/22/2020 14:00	1039	1039	1161	1163
2/22/2020 15:00	1039	1039	1160	1161
2/22/2020 16:00	1039	1040	1160	1163
2/22/2020 17:00	1040	1040	1163	1165
2/22/2020 18:00	1040	1040	1165	1165
2/22/2020 19:00	1040	1040	1165	1165
2/22/2020 20:00	1040	1040	1165	1166
2/22/2020 21:00	1040	1040	1166	1166
2/22/2020 22:00	1040	1040	1166	1167
2/22/2020 23:00	1040	1040	1167	1167
2/23/2020 0:00	1040	1041	1167	1168
2/23/2020 1:00	1040	1041	1167	1167
2/23/2020 2:00	1040	1040	1166	1167
2/23/2020 3:00	1040	1040	1166	1167
2/23/2020 4:00	1040	1040	1167	1171
2/23/2020 5:00	1040	1041	1171	1173
2/23/2020 6:00	1041	1041	1173	1173
2/23/2020 7:00	1041	1042	1173	1174
2/23/2020 8:00	1042	1042	1172	1173
2/23/2020 9:00	1042	1043	1171	1172
2/23/2020 10:00	1043	1043	1169	1171
2/23/2020 11:00	1043	1043	1170	1172
2/23/2020 12:00	1042	1043	1171	1171
2/23/2020 13:00	1040	1042	1170	1171
2/23/2020 14:00	1038	1040	1170	1172
2/23/2020 15:00	1033	1038	1172	1173
2/23/2020 16:00	1033	1034	1173	1178
2/23/2020 17:00	1034	1035	1177	1178
2/23/2020 18:00	1035	1035	1175	1177
2/23/2020 19:00	1035	1035	1174	1175
2/23/2020 20:00	1035	1035	1173	1174
2/23/2020 21:00	1035	1036	1174	1174
2/23/2020 22:00	1036	1036	1173	1174
2/23/2020 23:00	1036	1037	1172	1173
2/24/2020 0:00	1037	1038	1171	1172

**Xcel Energy**  
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
2/24/2020 1:00	1038	1038	1172	1172
2/24/2020 2:00	1038	1039	1171	1172
2/24/2020 3:00	1039	1040	1172	1173
2/24/2020 4:00	1040	1041	1173	1175
2/24/2020 5:00	1041	1041	1175	1176
2/24/2020 6:00	1041	1041	1175	1176
2/24/2020 7:00	1041	1042	1175	1176
2/24/2020 8:00	1042	1042	1176	1177
2/24/2020 9:00	1042	1042	1177	1178
2/24/2020 10:00	1042	1042	1177	1178
2/24/2020 11:00	1042	1042	1176	1177
2/24/2020 12:00	1042	1042	1175	1176
2/24/2020 13:00	1042	1042	1175	1176
2/24/2020 14:00	1042	1042	1174	1175
2/24/2020 15:00	1041	1042	1173	1174
2/24/2020 16:00	1039	1041	1172	1173
2/24/2020 17:00	1037	1039	1172	1174
2/24/2020 18:00	1035	1037	1174	1176
2/24/2020 19:00	1035	1036	1176	1178
2/24/2020 20:00	1036	1037	1178	1185
2/24/2020 21:00	1037	1038	1185	1196
2/24/2020 22:00	1038	1039	1196	1200
2/24/2020 23:00	1039	1039	1200	1200
2/25/2020 0:00	1039	1039	1200	1200
2/25/2020 1:00	1039	1040	1200	1200
2/25/2020 2:00	1040	1040	1200	1200
2/25/2020 3:00	1040	1040	1200	1200
2/25/2020 4:00	1039	1040	1200	1200
2/25/2020 5:00	1039	1039	1195	1200
2/25/2020 6:00	1038	1039	1195	1200
2/25/2020 7:00	1037	1038	1200	1200
2/25/2020 8:00	1037	1037	1199	1200
2/25/2020 9:00	1037	1039	1198	1199
2/25/2020 10:00	1039	1040	1198	1199
2/25/2020 11:00	1040	1040	1199	1199
2/25/2020 12:00	1040	1040	1198	1199
2/25/2020 13:00	1040	1040	1197	1199
2/25/2020 14:00	1040	1040	1197	1199
2/25/2020 15:00	1040	1040	1199	1200
2/25/2020 16:00	1039	1040	1199	1200
2/25/2020 17:00	1038	1039	1199	1200
2/25/2020 18:00	1037	1038	1200	1200
2/25/2020 19:00	1037	1037	1199	1200
2/25/2020 20:00	1037	1037	1199	1199
2/25/2020 21:00	1037	1038	1199	1199
2/25/2020 22:00	1038	1038	1199	1199
2/25/2020 23:00	1038	1038	1199	1200
2/26/2020 0:00	1038	1039	1200	1200
2/26/2020 1:00	1039	1040	1199	1200
2/26/2020 2:00	1040	1041	1200	1200
2/26/2020 3:00	1041	1041	1200	1200
2/26/2020 4:00	1041	1041	1199	1200
2/26/2020 5:00	1040	1041	1199	1199
2/26/2020 6:00	1040	1040	1199	1200
2/26/2020 7:00	1040	1040	1200	1200
2/26/2020 8:00	1040	1040	1200	1200
2/26/2020 9:00	1038	1040	1198	1200
2/26/2020 10:00	1037	1038	1197	1199
2/26/2020 11:00	1037	1037	1195	1197
2/26/2020 12:00	1037	1037	1193	1195
2/26/2020 13:00	1037	1037	1182	1193
2/26/2020 14:00	1037	1037	1176	1182
2/26/2020 15:00	1037	1037	1174	1177
2/26/2020 16:00	1037	1037	1174	1177
2/26/2020 17:00	1037	1038	1169	1174
2/26/2020 18:00	1038	1038	1169	1169
2/26/2020 19:00	1038	1039	1169	1169
2/26/2020 20:00	1039	1040	1168	1169
2/26/2020 21:00	1040	1040	1166	1168
2/26/2020 22:00	1040	1041	1165	1167
2/26/2020 23:00	1041	1041	1163	1165
2/27/2020 0:00	1041	1041	1163	1163
2/27/2020 1:00	1040	1041	1163	1164
2/27/2020 2:00	1040	1040	1163	1164
2/27/2020 3:00	1040	1040	1163	1165
2/27/2020 4:00	1040	1040	1165	1167
2/27/2020 5:00	1040	1040	1167	1167
2/27/2020 6:00	1039	1040	1167	1167
2/27/2020 7:00	1038	1039	1167	1168
2/27/2020 8:00	1038	1038	1166	1168

**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
2/27/2020 9:00	1035	1038	1164	1166
2/27/2020 10:00	1035	1036	1164	1165
2/27/2020 11:00	1036	1036	1165	1165
2/27/2020 12:00	1036	1036	1164	1165
2/27/2020 13:00	1036	1037	1163	1164
2/27/2020 14:00	1037	1037	1161	1163
2/27/2020 15:00	1037	1037	1159	1161
2/27/2020 16:00	1037	1038	1159	1159
2/27/2020 17:00	1038	1039	1159	1160
2/27/2020 18:00	1039	1039	1160	1162
2/27/2020 19:00	1039	1039	1159	1162
2/27/2020 20:00	1039	1039	1158	1160
2/27/2020 21:00	1039	1039	1157	1158
2/27/2020 22:00	1039	1039	1156	1157
2/27/2020 23:00	1039	1039	1156	1156
2/28/2020 0:00	1039	1039	1156	1156
2/28/2020 1:00	1039	1039	1156	1156
2/28/2020 2:00	1039	1039	1156	1157
2/28/2020 3:00	1039	1039	1157	1158
2/28/2020 4:00	1038	1039	1156	1158
2/28/2020 5:00	1038	1038	1157	1159
2/28/2020 6:00	1038	1038	1159	1161
2/28/2020 7:00	1037	1038	1161	1162
2/28/2020 8:00	1036	1037	1162	1162
2/28/2020 9:00	1035	1036	1162	1163
2/28/2020 10:00	1035	1036	1037	1163
2/28/2020 11:00	1035	1036	1037	1038
2/28/2020 12:00	1035	1035	1038	1039
2/28/2020 13:00	1035	1036	1039	1040
2/28/2020 14:00	1036	1036	1039	1040
2/28/2020 15:00	1036	1036	1039	1039
2/28/2020 16:00	1036	1036	1038	1040
2/28/2020 17:00	1036	1036	1040	1042
2/28/2020 18:00	1036	1037	1042	1042
2/28/2020 19:00	1037	1039	1042	1042
2/28/2020 20:00	1039	1039	1042	1042
2/28/2020 21:00	1038	1039	1042	1042
2/28/2020 22:00	1038	1038	1042	1042
2/28/2020 23:00	1038	1039	1040	1042
2/29/2020 0:00	1039	1041	1040	1040
2/29/2020 1:00	1041	1041	1040	1040
2/29/2020 2:00	1041	1041	1039	1040
2/29/2020 3:00	1041	1041	1039	1039
2/29/2020 4:00	1041	1041	1038	1039
2/29/2020 5:00	1040	1041	1035	1038
2/29/2020 6:00	1039	1040	1034	1035
2/29/2020 7:00	1039	1039	1034	1035
2/29/2020 8:00	1039	1039	1035	1036
2/29/2020 9:00	1038	1039	1036	1036
2/29/2020 10:00	1038	1038	1036	1038
2/29/2020 11:00	1037	1038	1038	1039
2/29/2020 12:00	1035	1037	1039	1040
2/29/2020 13:00	1034	1035	1039	1040
2/29/2020 14:00	1034	1034	1039	1039
2/29/2020 15:00	1034	1035	1039	1040
2/29/2020 16:00	1035	1036	1040	1040
2/29/2020 17:00	1036	1037	1040	1040
2/29/2020 18:00	1037	1038	1040	1040
2/29/2020 19:00	1038	1038	1040	1040
2/29/2020 20:00	1038	1038	1040	1040
2/29/2020 21:00	1038	1038	1040	1040
2/29/2020 22:00	1038	1039	1039	1040
2/29/2020 23:00	1039	1039	1039	1040