



825 Rice Street
Saint Paul, MN 55117

May 28, 2021

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 May 2021 as required by N.D. PU-20-89.

If you need further information or clarification regarding the enclosed response, please contact Lisa Kallberg at 651-788-0648.

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
5/1/2021 0:00	1047	1047	1196	1200
5/1/2021 1:00	1047	1047	1200	1200
5/1/2021 2:00	1047	1047	1200	1200
5/1/2021 3:00	1047	1047	1200	1200
5/1/2021 4:00	1047	1047	1200	1200
5/1/2021 5:00	1047	1047	1200	1200
5/1/2021 6:00	1047	1047	1200	1200
5/1/2021 7:00	1047	1047	1200	1200
5/1/2021 8:00	1047	1048	1200	1200
5/1/2021 9:00	1048	1048	1200	1200
5/1/2021 10:00	1048	1048	1198	1200
5/1/2021 11:00	1048	1048	1194	1198
5/1/2021 12:00	1048	1049	1194	1195
5/1/2021 13:00	1049	1049	1195	1196
5/1/2021 14:00	1049	1049	1194	1195
5/1/2021 15:00	1049	1049	1191	1194
5/1/2021 16:00	1049	1050	1189	1191
5/1/2021 17:00	1050	1050	1189	1189
5/1/2021 18:00	1049	1050	1189	1189
5/1/2021 19:00	1049	1049	1188	1189
5/1/2021 20:00	1049	1049	1188	1189
5/1/2021 21:00	1049	1049	1189	1191
5/1/2021 22:00	1049	1049	1191	1196
5/1/2021 23:00	1049	1049	1196	1198
5/2/2021 0:00	1049	1051	1198	1199
5/2/2021 1:00	1050	1051	1199	1200
5/2/2021 2:00	1049	1050	1200	1200
5/2/2021 3:00	1049	1049	1200	1200
5/2/2021 4:00	1048	1049	1200	1200
5/2/2021 5:00	1048	1048	1200	1200
5/2/2021 6:00	1048	1048	1200	1200
5/2/2021 7:00	1048	1048	1200	1200
5/2/2021 8:00	1048	1048	1200	1200
5/2/2021 9:00	1047	1048	1200	1200
5/2/2021 10:00	1047	1047	1200	1200
5/2/2021 11:00	1047	1047	1200	1200
5/2/2021 12:00	1047	1047	1200	1200
5/2/2021 13:00	1047	1047	1200	1200
5/2/2021 14:00	1047	1048	1200	1200
5/2/2021 15:00	1048	1048	1200	1200
5/2/2021 16:00	1048	1048	1200	1200
5/2/2021 17:00	1048	1048	1200	1200
5/2/2021 18:00	1048	1048	1198	1200
5/2/2021 19:00	1048	1048	1197	1198
5/2/2021 20:00	1047	1048	1196	1197
5/2/2021 21:00	1046	1047	1196	1197
5/2/2021 22:00	1046	1047	1196	1200
5/2/2021 23:00	1047	1047	1200	1200
5/3/2021 0:00	1047	1047	1200	1200
5/3/2021 1:00	1047	1047	1200	1200
5/3/2021 2:00	1047	1047	1200	1200
5/3/2021 3:00	1046	1047	1200	1200
5/3/2021 4:00	1046	1046	1200	1200
5/3/2021 5:00	1046	1047	1200	1200
5/3/2021 6:00	1047	1048	1200	1200
5/3/2021 7:00	1048	1048	1200	1200
5/3/2021 8:00	1047	1048	1200	1200
5/3/2021 9:00	1047	1047	1200	1200
5/3/2021 10:00	1046	1047	1200	1200
5/3/2021 11:00	1046	1046	1199	1200
5/3/2021 12:00	1046	1046	1198	1200
5/3/2021 13:00	1045	1046	1197	1200
5/3/2021 14:00	1045	1045	1194	1197
5/3/2021 15:00	1043	1045	1195	1196
5/3/2021 16:00	1043	1044	1195	1196
5/3/2021 17:00	1044	1047	1195	1196
5/3/2021 18:00	1047	1047	1192	1195
5/3/2021 19:00	1046	1047	1192	1194
5/3/2021 20:00	1046	1046	1194	1195
5/3/2021 21:00	1045	1046	1195	1196
5/3/2021 22:00	1044	1045	1192	1195
5/3/2021 23:00	1042	1044	1192	1196

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
5/4/2021 0:00	1042	1042	1196	1199
5/4/2021 1:00	1041	1042	1198	1199
5/4/2021 2:00	1041	1043	1198	1199
5/4/2021 3:00	1043	1043	1197	1199
5/4/2021 4:00	1043	1044	1197	1198
5/4/2021 5:00	1044	1044	1198	1199
5/4/2021 6:00	1044	1045	1194	1198
5/4/2021 7:00	1044	1045	1194	1198
5/4/2021 8:00	1044	1045	1190	1195
5/4/2021 9:00	1045	1045	1190	1191
5/4/2021 10:00	1044	1045	1190	1190
5/4/2021 11:00	1044	1044	1190	1191
5/4/2021 12:00	1044	1044	1190	1190
5/4/2021 13:00	1044	1044	1188	1190
5/4/2021 14:00	1044	1044	1186	1188
5/4/2021 15:00	1043	1044	1185	1186
5/4/2021 16:00	1043	1043	1183	1185
5/4/2021 17:00	1043	1043	1182	1183
5/4/2021 18:00	1043	1044	1182	1183
5/4/2021 19:00	1044	1046	1182	1184
5/4/2021 20:00	1043	1046	1184	1185
5/4/2021 21:00	1043	1044	1182	1185
5/4/2021 22:00	1044	1044	1178	1182
5/4/2021 23:00	1042	1044	1178	1180
5/5/2021 0:00	1042	1047	1178	1180
5/5/2021 1:00	1045	1047	1180	1189
5/5/2021 2:00	1043	1045	1183	1189
5/5/2021 3:00	1041	1043	1183	1183
5/5/2021 4:00	1039	1041	1180	1184
5/5/2021 5:00	1038	1039	1176	1181
5/5/2021 6:00	1038	1038	1171	1176
5/5/2021 7:00	1038	1038	1171	1172
5/5/2021 8:00	1038	1038	1172	1172
5/5/2021 9:00	1038	1038	1171	1172
5/5/2021 10:00	1038	1038	1171	1171
5/5/2021 11:00	1038	1039	1171	1171
5/5/2021 12:00	1038	1039	1170	1171
5/5/2021 13:00	1038	1038	1170	1171
5/5/2021 14:00	1038	1038	1170	1171
5/5/2021 15:00	1038	1038	1170	1171
5/5/2021 16:00	1038	1039	1170	1170
5/5/2021 17:00	1039	1039	1170	1173
5/5/2021 18:00	1038	1039	1173	1173
5/5/2021 19:00	1037	1038	1173	1175
5/5/2021 20:00	1035	1037	1175	1175
5/5/2021 21:00	1035	1035	1175	1176
5/5/2021 22:00	1035	1035	1175	1180
5/5/2021 23:00	1035	1037	1180	1182
5/6/2021 0:00	1037	1037	1182	1185
5/6/2021 1:00	1037	1038	1185	1186
5/6/2021 2:00	1037	1038	1184	1186
5/6/2021 3:00	1037	1037	1184	1185
5/6/2021 4:00	1037	1037	1183	1184
5/6/2021 5:00	1037	1038	1184	1185
5/6/2021 6:00	1038	1038	1184	1185
5/6/2021 7:00	1038	1039	1183	1184
5/6/2021 8:00	1038	1039	1183	1186
5/6/2021 9:00	1038	1038	1185	1186
5/6/2021 10:00	1038	1038	1184	1185
5/6/2021 11:00	1038	1038	1184	1185
5/6/2021 12:00	1038	1039	1183	1184
5/6/2021 13:00	1039	1040	1184	1186
5/6/2021 14:00	1040	1040	1185	1186
5/6/2021 15:00	1039	1040	1185	1185
5/6/2021 16:00	1039	1039	1185	1185
5/6/2021 17:00	1039	1039	1184	1185
5/6/2021 18:00	1039	1039	1182	1184
5/6/2021 19:00	1039	1039	1182	1183
5/6/2021 20:00	1039	1039	1182	1183
5/6/2021 21:00	1039	1040	1182	1183
5/6/2021 22:00	1040	1040	1183	1186
5/6/2021 23:00	1040	1040	1186	1188
5/7/2021 0:00	1040	1041	1188	1190
5/7/2021 1:00	1041	1041	1190	1192
5/7/2021 2:00	1041	1041	1192	1200
5/7/2021 3:00	1041	1041	1200	1200
5/7/2021 4:00	1041	1041	1198	1200
5/7/2021 5:00	1039	1041	1194	1198
5/7/2021 6:00	1039	1039	1194	1195
5/7/2021 7:00	1038	1039	1193	1194

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

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/7/2021 8:00	1038	1038	1193	1193
5/7/2021 9:00	1037	1038	1191	1193
5/7/2021 10:00	1037	1037	1187	1191
5/7/2021 11:00	1037	1038	1183	1187
5/7/2021 12:00	1038	1038	1182	1183
5/7/2021 13:00	1038	1038	1183	1184
5/7/2021 14:00	1038	1038	1184	1185
5/7/2021 15:00	1038	1038	1184	1185
5/7/2021 16:00	1038	1038	1185	1185
5/7/2021 17:00	1037	1038	1183	1185
5/7/2021 18:00	1037	1037	1181	1183
5/7/2021 19:00	1037	1037	1182	1185
5/7/2021 20:00	1037	1037	1185	1185
5/7/2021 21:00	1037	1038	1185	1187
5/7/2021 22:00	1037	1038	1187	1190
5/7/2021 23:00	1037	1037	1190	1194
5/8/2021 0:00	1036	1037	1194	1196
5/8/2021 1:00	1036	1036	1196	1200
5/8/2021 2:00	1036	1037	1200	1200
5/8/2021 3:00	1037	1037	1199	1200
5/8/2021 4:00	1037	1037	1200	1200
5/8/2021 5:00	1037	1038	1200	1200
5/8/2021 6:00	1038	1038	1198	1200
5/8/2021 7:00	1038	1038	1194	1198
5/8/2021 8:00	1037	1038	1194	1194
5/8/2021 9:00	1037	1038	1193	1194
5/8/2021 10:00	1038	1038	1191	1194
5/8/2021 11:00	1038	1038	1187	1191
5/8/2021 12:00	1038	1038	1183	1187
5/8/2021 13:00	1038	1038	1179	1183
5/8/2021 14:00	1038	1038	1179	1181
5/8/2021 15:00	1037	1038	1179	1181
5/8/2021 16:00	1037	1037	1179	1180
5/8/2021 17:00	1037	1037	1178	1179
5/8/2021 18:00	1037	1038	1177	1178
5/8/2021 19:00	1038	1038	1176	1177
5/8/2021 20:00	1038	1038	1176	1178
5/8/2021 21:00	1038	1038	1178	1184
5/8/2021 22:00	1038	1038	1184	1190
5/8/2021 23:00	1038	1038	1190	1195
5/9/2021 0:00	1038	1038	1194	1195
5/9/2021 1:00	1038	1039	1194	1195
5/9/2021 2:00	1039	1039	1195	1197
5/9/2021 3:00	1039	1039	1197	1198
5/9/2021 4:00	1039	1040	1198	1199
5/9/2021 5:00	1040	1040	1199	1199
5/9/2021 6:00	1040	1040	1199	1200
5/9/2021 7:00	1039	1040	1200	1200
5/9/2021 8:00	1039	1039	1199	1200
5/9/2021 9:00	1039	1039	1192	1200
5/9/2021 10:00	1039	1039	1186	1192
5/9/2021 11:00	1039	1039	1184	1186
5/9/2021 12:00	1039	1039	1182	1184
5/9/2021 13:00	1039	1039	1180	1182
5/9/2021 14:00	1039	1039	1179	1180
5/9/2021 15:00	1038	1039	1179	1181
5/9/2021 16:00	1037	1038	1181	1182
5/9/2021 17:00	1037	1037	1182	1183
5/9/2021 18:00	1036	1037	1182	1183
5/9/2021 19:00	1036	1036	1183	1184
5/9/2021 20:00	1036	1036	1181	1183
5/9/2021 21:00	1036	1037	1180	1181
5/9/2021 22:00	1037	1037	1180	1182
5/9/2021 23:00	1037	1037	1182	1183
5/10/2021 0:00	1037	1038	1183	1185
5/10/2021 1:00	1038	1038	1185	1187
5/10/2021 2:00	1038	1038	1186	1187
5/10/2021 3:00	1038	1038	1187	1187
5/10/2021 4:00	1038	1038	1187	1187
5/10/2021 5:00	1038	1038	1187	1189
5/10/2021 6:00	1038	1039	1188	1189
5/10/2021 7:00	1039	1039	1188	1190
5/10/2021 8:00	1039	1039	1189	1190
5/10/2021 9:00	1039	1039	1186	1189
5/10/2021 10:00	1039	1039	1185	1186
5/10/2021 11:00	1039	1039	1185	1186
5/10/2021 12:00	1039	1039	1185	1188
5/10/2021 13:00	1039	1039	1187	1188
5/10/2021 14:00	1039	1039	1187	1187
5/10/2021 15:00	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
5/10/2021 16:00	1039	1039	1184	1185
5/10/2021 17:00	1039	1039	1184	1184
5/10/2021 18:00	1039	1039	1183	1184
5/10/2021 19:00	1039	1039	1182	1183
5/10/2021 20:00	1038	1039	1182	1185
5/10/2021 21:00	1034	1038	1185	1186
5/10/2021 22:00	1034	1034	1186	1190
5/10/2021 23:00	1034	1038	1189	1194
5/11/2021 0:00	1034	1038	1194	1198
5/11/2021 1:00	1034	1036	1195	1198
5/11/2021 2:00	1036	1038	1195	1200
5/11/2021 3:00	1038	1039	1197	1200
5/11/2021 4:00	1039	1039	1197	1198
5/11/2021 5:00	1039	1040	1197	1198
5/11/2021 6:00	1040	1040	1197	1198
5/11/2021 7:00	1040	1040	1197	1198
5/11/2021 8:00	1040	1040	1198	1199
5/11/2021 9:00	1040	1040	1198	1199
5/11/2021 10:00	1039	1040	1196	1199
5/11/2021 11:00	1039	1039	1195	1196
5/11/2021 12:00	1039	1040	1194	1195
5/11/2021 13:00	1040	1041	1188	1194
5/11/2021 14:00	1041	1041	1185	1188
5/11/2021 15:00	1040	1041	1185	1188
5/11/2021 16:00	1040	1041	1187	1189
5/11/2021 17:00	1041	1041	1184	1187
5/11/2021 18:00	1041	1041	1184	1184
5/11/2021 19:00	1040	1041	1183	1184
5/11/2021 20:00	1040	1040	1182	1184
5/11/2021 21:00	1040	1040	1181	1183
5/11/2021 22:00	1040	1040	1183	1188
5/11/2021 23:00	1040	1040	1188	1196
5/12/2021 0:00	1040	1040	1196	1200
5/12/2021 1:00	1040	1040	1200	1200
5/12/2021 2:00	1039	1040	1200	1200
5/12/2021 3:00	1039	1039	1200	1200
5/12/2021 4:00	1038	1039	1200	1200
5/12/2021 5:00	1038	1038	1199	1200
5/12/2021 6:00	1038	1039	1200	1200
5/12/2021 7:00	1039	1039	1200	1200
5/12/2021 8:00	1039	1039	1199	1200
5/12/2021 9:00	1039	1039	1198	1199
5/12/2021 10:00	1039	1039	1199	1200
5/12/2021 11:00	1039	1039	1200	1200
5/12/2021 12:00	1039	1039	1200	1200
5/12/2021 13:00	1039	1039	1199	1200
5/12/2021 14:00	1039	1039	1192	1199
5/12/2021 15:00	1039	1039	1189	1192
5/12/2021 16:00	1039	1039	1188	1189
5/12/2021 17:00	1039	1039	1188	1189
5/12/2021 18:00	1039	1039	1189	1190
5/12/2021 19:00	1034	1039	1190	1190
5/12/2021 20:00	1033	1034	1189	1190
5/12/2021 21:00	1033	1033	1188	1190
5/12/2021 22:00	1033	1033	1188	1189
5/12/2021 23:00	1033	1033	1188	1188
5/13/2021 0:00	1033	1033	1188	1190
5/13/2021 1:00	1033	1033	1190	1192
5/13/2021 2:00	1033	1033	1192	1195
5/13/2021 3:00	1033	1033	1195	1199
5/13/2021 4:00	1033	1033	1199	1200
5/13/2021 5:00	1033	1033	1200	1200
5/13/2021 6:00	1033	1033	1200	1200
5/13/2021 7:00	1033	1033	1200	1200
5/13/2021 8:00	1033	1033	1200	1200
5/13/2021 9:00	1033	1033	1200	1200
5/13/2021 10:00	1033	1034	1200	1200
5/13/2021 11:00	1034	1034	1200	1200
5/13/2021 12:00	1033	1034	1200	1200
5/13/2021 13:00	1033	1033	1200	1200
5/13/2021 14:00	1033	1033	1200	1200
5/13/2021 15:00	1033	1033	1200	1200
5/13/2021 16:00	1033	1033	1199	1200
5/13/2021 17:00	1033	1033	1196	1199
5/13/2021 18:00	1033	1033	1195	1196
5/13/2021 19:00	1033	1033	1193	1195
5/13/2021 20:00	1033	1033	1191	1193
5/13/2021 21:00	1033	1033	1190	1191
5/13/2021 22:00	1033	1033	1189	1191
5/13/2021 23:00	1033	1033	1189	1190

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
5/14/2021 0:00	1033	1034	1188	1189
5/14/2021 1:00	1034	1034	1187	1188
5/14/2021 2:00	1034	1034	1187	1188
5/14/2021 3:00	1034	1034	1188	1189
5/14/2021 4:00	1033	1034	1189	1191
5/14/2021 5:00	1033	1033	1191	1193
5/14/2021 6:00	1032	1033	1193	1196
5/14/2021 7:00	1031	1032	1196	1199
5/14/2021 8:00	1031	1031	1199	1199
5/14/2021 9:00	1031	1031	1199	1200
5/14/2021 10:00	1030	1031	1200	1200
5/14/2021 11:00	1030	1030	1200	1200
5/14/2021 12:00	1030	1030	1197	1200
5/14/2021 13:00	1030	1030	1193	1197
5/14/2021 14:00	1030	1030	1193	1193
5/14/2021 15:00	1030	1030	1193	1193
5/14/2021 16:00	1030	1030	1192	1193
5/14/2021 17:00	1030	1030	1192	1193
5/14/2021 18:00	1030	1031	1193	1193
5/14/2021 19:00	1031	1031	1193	1195
5/14/2021 20:00	1031	1031	1195	1198
5/14/2021 21:00	1031	1031	1189	1198
5/14/2021 22:00	1031	1031	1185	1189
5/14/2021 23:00	1031	1031	1180	1185
5/15/2021 0:00	1031	1031	1179	1180
5/15/2021 1:00	1031	1031	1177	1179
5/15/2021 2:00	1031	1031	1177	1178
5/15/2021 3:00	1031	1031	1178	1179
5/15/2021 4:00	1031	1031	1179	1179
5/15/2021 5:00	1031	1031	1179	1180
5/15/2021 6:00	1031	1031	1180	1180
5/15/2021 7:00	1031	1031	1180	1182
5/15/2021 8:00	1031	1032	1182	1186
5/15/2021 9:00	1032	1032	1186	1189
5/15/2021 10:00	1032	1032	1189	1192
5/15/2021 11:00	1032	1032	1192	1194
5/15/2021 12:00	1032	1032	1194	1197
5/15/2021 13:00	1031	1032	1197	1198
5/15/2021 14:00	1031	1031	1197	1198
5/15/2021 15:00	1031	1031	1194	1197
5/15/2021 16:00	1031	1034	1194	1195
5/15/2021 17:00	1034	1039	1195	1197
5/15/2021 18:00	1039	1043	1197	1199
5/15/2021 19:00	1043	1043	1199	1200
5/15/2021 20:00	1041	1043	1200	1200
5/15/2021 21:00	1039	1041	1198	1200
5/15/2021 22:00	1038	1039	1195	1199
5/15/2021 23:00	1036	1038	1186	1195
5/16/2021 0:00	1034	1036	1183	1186
5/16/2021 1:00	1033	1034	1183	1184
5/16/2021 2:00	1032	1033	1184	1184
5/16/2021 3:00	1032	1033	1181	1184
5/16/2021 4:00	1033	1033	1178	1181
5/16/2021 5:00	1033	1034	1177	1178
5/16/2021 6:00	1034	1034	1177	1177
5/16/2021 7:00	1034	1034	1177	1179
5/16/2021 8:00	1034	1034	1179	1181
5/16/2021 9:00	1033	1034	1181	1185
5/16/2021 10:00	1033	1033	1185	1189
5/16/2021 11:00	1032	1033	1189	1193
5/16/2021 12:00	1032	1032	1193	1196
5/16/2021 13:00	1032	1032	1196	1197
5/16/2021 14:00	1032	1032	1197	1200
5/16/2021 15:00	1032	1032	1200	1200
5/16/2021 16:00	1032	1032	1200	1200
5/16/2021 17:00	1032	1032	1200	1200
5/16/2021 18:00	1032	1032	1200	1200
5/16/2021 19:00	1032	1032	1200	1200
5/16/2021 20:00	1032	1033	1200	1200
5/16/2021 21:00	1033	1033	1195	1200
5/16/2021 22:00	1033	1033	1188	1195
5/16/2021 23:00	1033	1034	1184	1189
5/17/2021 0:00	1034	1034	1181	1184
5/17/2021 1:00	1034	1034	1182	1183
5/17/2021 2:00	1034	1034	1182	1183
5/17/2021 3:00	1033	1034	1182	1183
5/17/2021 4:00	1033	1033	1182	1184
5/17/2021 5:00	1033	1033	1184	1187
5/17/2021 6:00	1033	1034	1187	1190
5/17/2021 7:00	1034	1034	1190	1194

Xcel Energy
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/17/2021 8:00	1034	1034	1194	1196
5/17/2021 9:00	1034	1034	1196	1200
5/17/2021 10:00	1034	1035	1200	1200
5/17/2021 11:00	1035	1035	1200	1200
5/17/2021 12:00	1035	1035	1200	1200
5/17/2021 13:00	1035	1035	1199	1200
5/17/2021 14:00	1035	1035	1199	1200
5/17/2021 15:00	1035	1035	1199	1200
5/17/2021 16:00	1035	1036	1199	1200
5/17/2021 17:00	1035	1036	1199	1200
5/17/2021 18:00	1035	1035	1199	1200
5/17/2021 19:00	1035	1035	1200	1200
5/17/2021 20:00	1034	1035	1196	1200
5/17/2021 21:00	1034	1034	1189	1196
5/17/2021 22:00	1034	1034	1188	1189
5/17/2021 23:00	1034	1034	1184	1188
5/18/2021 0:00	1034	1034	1182	1184
5/18/2021 1:00	1034	1034	1182	1182
5/18/2021 2:00	1034	1034	1182	1183
5/18/2021 3:00	1034	1034	1183	1184
5/18/2021 4:00	1034	1035	1184	1188
5/18/2021 5:00	1034	1035	1188	1192
5/18/2021 6:00	1034	1034	1192	1197
5/18/2021 7:00	1034	1034	1197	1200
5/18/2021 8:00	1034	1034	1200	1200
5/18/2021 9:00	1034	1034	1200	1200
5/18/2021 10:00	1033	1034	1200	1200
5/18/2021 11:00	1033	1033	1200	1200
5/18/2021 12:00	1033	1033	1200	1200
5/18/2021 13:00	1033	1033	1200	1200
5/18/2021 14:00	1033	1033	1200	1200
5/18/2021 15:00	1033	1034	1200	1200
5/18/2021 16:00	1034	1034	1200	1200
5/18/2021 17:00	1034	1034	1200	1200
5/18/2021 18:00	1034	1034	1195	1200
5/18/2021 19:00	1034	1034	1190	1195
5/18/2021 20:00	1034	1034	1185	1190
5/18/2021 21:00	1033	1034	1185	1187
5/18/2021 22:00	1033	1039	1187	1191
5/18/2021 23:00	1039	1039	1191	1191
5/19/2021 0:00	1039	1039	1191	1195
5/19/2021 1:00	1039	1039	1189	1195
5/19/2021 2:00	1039	1039	1187	1189
5/19/2021 3:00	1039	1040	1186	1187
5/19/2021 4:00	1040	1040	1187	1192
5/19/2021 5:00	1040	1040	1192	1200
5/19/2021 6:00	1039	1040	1200	1200
5/19/2021 7:00	1039	1039	1200	1200
5/19/2021 8:00	1039	1039	1200	1200
5/19/2021 9:00	1039	1039	1200	1200
5/19/2021 9:00	0	1039	1200	1200
5/19/2021 9:00	1034	1039	1200	1200
5/19/2021 10:00	1038	1039	1200	1200
5/19/2021 10:00	1038	1039	1200	1200
5/19/2021 10:00	1038	1038	1200	1200
5/19/2021 11:00	1038	1038	1200	1200
5/19/2021 11:00	1037	1038	1200	1200
5/19/2021 12:00	1037	1037	1200	1200
5/19/2021 13:00	1037	1037	1200	1200
5/19/2021 14:00	1037	1037	1200	1200
5/19/2021 15:00	1037	1037	1200	1200
5/19/2021 16:00	1037	1037	1197	1200
5/19/2021 17:00	1037	1037	1190	1197
5/19/2021 18:00	1037	1038	1189	1191
5/19/2021 19:00	1037	1038	1190	1191
5/19/2021 20:00	1035	1037	1190	1192
5/19/2021 21:00	1035	1037	1192	1193
5/19/2021 22:00	1036	1037	1192	1193
5/19/2021 23:00	1035	1036	1190	1192
5/20/2021 0:00	1035	1036	1189	1191
5/20/2021 1:00	1036	1037	1190	1192
5/20/2021 2:00	1036	1037	1188	1192
5/20/2021 3:00	1036	1036	1188	1194
5/20/2021 4:00	1036	1036	1194	1200
5/20/2021 5:00	1036	1036	1198	1200
5/20/2021 6:00	1036	1036	1200	1200
5/20/2021 7:00	1036	1036	1200	1200
5/20/2021 8:00	1036	1036	1200	1200
5/20/2021 9:00	1036	1036	1200	1200
5/20/2021 10:00	1036	1037	1200	1200

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/20/2021 11:00	1036	1037	1200	1200
5/20/2021 12:00	1036	1037	1200	1200
5/20/2021 13:00	1037	1037	1200	1200
5/20/2021 14:00	1037	1044	1200	1200
5/20/2021 15:00	1038	1044	1200	1200
5/20/2021 16:00	1037	1038	1200	1200
5/20/2021 17:00	1037	1037	1200	1200
5/20/2021 18:00	1037	1037	1200	1200
5/20/2021 19:00	1037	1037	1200	1200
5/20/2021 20:00	1037	1037	1200	1200
5/20/2021 21:00	1037	1037	1200	1200
5/20/2021 22:00	1036	1037	1197	1200
5/20/2021 23:00	1035	1036	1197	1198
5/21/2021 0:00	1035	1035	1198	1200
5/21/2021 1:00	1035	1035	1200	1200
5/21/2021 2:00	1035	1035	1200	1200
5/21/2021 3:00	1035	1035	1200	1200
5/21/2021 4:00	1035	1035	1200	1200
5/21/2021 5:00	1035	1035	1200	1200
5/21/2021 6:00	1035	1035	1200	1200
5/21/2021 7:00	1035	1036	1200	1200
5/21/2021 8:00	1036	1036	1200	1200
5/21/2021 9:00	1036	1037	1200	1200
5/21/2021 10:00	1037	1037	1200	1200
5/21/2021 11:00	1037	1037	1200	1200
5/21/2021 12:00	1037	1038	1200	1200
5/21/2021 13:00	1038	1038	1200	1200
5/21/2021 14:00	1038	1039	1200	1200
5/21/2021 15:00	1038	1039	1199	1200
5/21/2021 16:00	1038	1038	1199	1200
5/21/2021 17:00	1038	1038	1199	1199
5/21/2021 18:00	1038	1039	1199	1200
5/21/2021 19:00	1039	1039	1200	1200
5/21/2021 20:00	1039	1039	1200	1200
5/21/2021 21:00	1039	1039	1200	1200
5/21/2021 22:00	1039	1039	1197	1200
5/21/2021 23:00	1039	1039	1196	1197
5/22/2021 0:00	1039	1039	1196	1197
5/22/2021 1:00	1039	1039	1196	1196
5/22/2021 2:00	1039	1039	1195	1196
5/22/2021 3:00	1039	1039	1195	1196
5/22/2021 4:00	1039	1039	1194	1196
5/22/2021 5:00	1039	1039	1191	1195
5/22/2021 6:00	1039	1039	1191	1194
5/22/2021 7:00	1039	1039	1194	1197
5/22/2021 8:00	1039	1039	1196	1197
5/22/2021 9:00	1039	1039	1196	1200
5/22/2021 10:00	1039	1039	1200	1200
5/22/2021 11:00	1039	1039	1200	1200
5/22/2021 12:00	1039	1039	1200	1200
5/22/2021 13:00	1039	1039	1196	1200
5/22/2021 14:00	1039	1039	1195	1196
5/22/2021 15:00	1039	1039	1195	1195
5/22/2021 16:00	1039	1039	1195	1195
5/22/2021 17:00	1039	1039	1195	1195
5/22/2021 18:00	1039	1039	1195	1196
5/22/2021 19:00	1039	1039	1195	1196
5/22/2021 20:00	1039	1039	1196	1196
5/22/2021 21:00	1039	1039	1196	1197
5/22/2021 22:00	1039	1039	1197	1197
5/22/2021 23:00	1039	1039	1197	1200
5/23/2021 0:00	1039	1039	1200	1200
5/23/2021 1:00	1039	1039	1200	1200
5/23/2021 2:00	1039	1039	1200	1200
5/23/2021 3:00	1039	1039	1200	1200
5/23/2021 4:00	1039	1039	1200	1200
5/23/2021 5:00	1039	1039	1200	1200
5/23/2021 6:00	1039	1040	1200	1200
5/23/2021 7:00	1040	1040	1200	1200
5/23/2021 8:00	1040	1041	1200	1200
5/23/2021 9:00	1041	1041	1200	1200
5/23/2021 10:00	1041	1041	1200	1200
5/23/2021 11:00	1041	1041	1200	1200
5/23/2021 12:00	1041	1041	1200	1200
5/23/2021 13:00	1040	1041	1200	1200
5/23/2021 14:00	1040	1040	1200	1200
5/23/2021 15:00	1040	1040	1200	1200
5/23/2021 16:00	1040	1040	1200	1200
5/23/2021 17:00	1040	1040	1200	1200
5/23/2021 18:00	1040	1040	1200	1200

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/23/2021 19:00	1040	1040	1200	1200
5/23/2021 20:00	1040	1040	1200	1200
5/23/2021 21:00	1040	1040	1200	1200
5/23/2021 22:00	1040	1041	1200	1200
5/23/2021 23:00	1041	1041	1200	1200
5/24/2021 0:00	1041	1041	1200	1200
5/24/2021 1:00	1041	1041	1200	1200
5/24/2021 2:00	1041	1041	1200	1200
5/24/2021 3:00	1040	1041	1200	1200
5/24/2021 4:00	1040	1040	1200	1200
5/24/2021 5:00	1040	1040	1200	1200
5/24/2021 6:00	1040	1040	1200	1200
5/24/2021 7:00	1040	1041	1200	1200
5/24/2021 8:00	1041	1041	1200	1200
5/24/2021 9:00	1041	1041	1197	1200
5/24/2021 10:00	1041	1041	1197	1197
5/24/2021 11:00	1041	1042	1197	1200
5/24/2021 12:00	1042	1042	1200	1200
5/24/2021 13:00	1042	1042	1200	1200
5/24/2021 14:00	1042	1042	1200	1200
5/24/2021 15:00	1042	1042	1200	1200
5/24/2021 16:00	1042	1042	1200	1200
5/24/2021 17:00	1042	1042	1200	1200
5/24/2021 18:00	1041	1042	1200	1200
5/24/2021 19:00	1041	1042	1200	1200
5/24/2021 20:00	1042	1042	1195	1200
5/24/2021 21:00	1042	1042	1195	1197
5/24/2021 22:00	1042	1042	1197	1200
5/24/2021 23:00	1042	1042	1200	1200
5/25/2021 0:00	1042	1042	1199	1200
5/25/2021 1:00	1042	1042	1199	1200
5/25/2021 2:00	1042	1042	1200	1200
5/25/2021 3:00	1042	1042	1200	1200
5/25/2021 4:00	1042	1042	1200	1200
5/25/2021 5:00	1041	1042	1190	1200
5/25/2021 6:00	1041	1041	1190	1192
5/25/2021 7:00	1040	1041	1192	1194
5/25/2021 8:00	1040	1040	1193	1194
5/25/2021 9:00	1040	1040	1190	1193
5/25/2021 10:00	1040	1041	1188	1190
5/25/2021 11:00	1041	1041	1187	1188
5/25/2021 12:00	1041	1041	1188	1190
5/25/2021 13:00	1041	1041	1190	1193
5/25/2021 14:00	1041	1041	1193	1195
5/25/2021 15:00	1041	1041	1195	1197
5/25/2021 16:00	1041	1042	1197	1200
5/25/2021 17:00	1042	1042	1200	1200
5/25/2021 18:00	1042	1042	1200	1200
5/25/2021 19:00	1042	1042	1200	1200
5/25/2021 20:00	1042	1042	1200	1200
5/25/2021 21:00	1042	1042	1200	1200
5/25/2021 22:00	1042	1042	1200	1200
5/25/2021 23:00	1042	1042	1200	1200
5/26/2021 0:00	1042	1042	1200	1200
5/26/2021 1:00	1042	1042	1200	1200
5/26/2021 2:00	1042	1042	1200	1200
5/26/2021 3:00	1042	1042	1200	1200
5/26/2021 4:00	1041	1042	1200	1200
5/26/2021 5:00	1040	1041	1200	1200
5/26/2021 6:00	1040	1040	1198	1200
5/26/2021 7:00	1040	1040	1199	1200
5/26/2021 8:00	1040	1040	1197	1200
5/26/2021 9:00	1040	1040	1195	1197
5/26/2021 10:00	1040	1040	1194	1195
5/26/2021 11:00	1040	1040	1194	1194
5/26/2021 12:00	1040	1040	1194	1197
5/26/2021 13:00	1040	1041	1197	1199
5/26/2021 14:00	1041	1041	1198	1199
5/26/2021 15:00	1041	1041	1199	1200
5/26/2021 16:00	1041	1041	1200	1200
5/26/2021 17:00	1041	1041	1200	1200
5/26/2021 18:00	1041	1041	1200	1200
5/26/2021 19:00	1041	1041	1200	1200
5/26/2021 20:00	1041	1041	1200	1200
5/26/2021 21:00	1041	1043	1200	1200
5/26/2021 22:00	1043	1045	1200	1200
5/26/2021 23:00	1045	1045	1200	1200
5/27/2021 0:00	1045	1045	1199	1200
5/27/2021 1:00	1045	1045	1199	1200
5/27/2021 2:00	1045	1045	1200	1200

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/27/2021 3:00	1044	1045	1200	1200
5/27/2021 4:00	1044	1044	1200	1200
5/27/2021 5:00	1044	1044	1200	1200
5/27/2021 6:00	1044	1044	1198	1200
5/27/2021 7:00	1044	1044	1196	1198
5/27/2021 8:00	1044	1044	1191	1196
5/27/2021 9:00	1044	1044	1191	1193
5/27/2021 10:00	1044	1044	1190	1193
5/27/2021 11:00	1044	1044	1190	1192
5/27/2021 12:00	1043	1044	1186	1192
5/27/2021 13:00	1043	1043	1186	1187
5/27/2021 14:00	1043	1043	1185	1186
5/27/2021 15:00	1043	1044	1186	1186
5/27/2021 16:00	1044	1045	1185	1186
5/27/2021 17:00	1044	1045	1186	1187
5/27/2021 18:00	1044	1044	1186	1187
5/27/2021 19:00	1044	1044	1186	1186
5/27/2021 20:00	1035	1044	1185	1186
5/27/2021 21:00	1035	1035	1186	1187
5/27/2021 22:00	1034	1035	1187	1189
5/27/2021 23:00	1034	1034	1187	1190
5/28/2021 0:00	1034	1034	1184	1187
5/28/2021 1:00	1034	1034	1183	1185
5/28/2021 2:00	1034	1034	1185	1190
5/28/2021 3:00	1034	1034	1190	1198
5/28/2021 4:00	1034	1035	1198	1200
5/28/2021 5:00	1035	1035	1200	1200
5/28/2021 6:00	1035	1035	1200	1200
5/28/2021 7:00	1035	1035	1200	1200
5/28/2021 8:00	1035	1036	1200	1200
5/28/2021 9:00	1036	1036	1200	1200
5/28/2021 10:00	1036	1036	1199	1200
5/28/2021 11:00	1036	1036	1197	1199
5/28/2021 12:00	1035	1036	1196	1197
5/28/2021 13:00	1035	1035	1196	1197
5/28/2021 14:00	1035	1035	1196	1197
5/28/2021 15:00	1035	1035	1197	1197
5/28/2021 16:00	1035	1035	1197	1198
5/28/2021 17:00	1035	1035	1196	1197
5/28/2021 18:00	1035	1035	1196	1197
5/28/2021 19:00	1035	1035	1197	1198
5/28/2021 20:00	1035	1035	1198	1198
5/28/2021 21:00	1035	1035	1198	1200
5/28/2021 22:00	1035	1035	1200	1200
5/28/2021 23:00	1035	1035	1200	1200
5/29/2021 0:00	1034	1035	1200	1200
5/29/2021 1:00	1034	1034	1200	1200
5/29/2021 2:00	1034	1034	1200	1200
5/29/2021 3:00	1034	1034	1200	1200
5/29/2021 4:00	1034	1034	1200	1200
5/29/2021 5:00	1034	1034	1200	1200
5/29/2021 6:00	1034	1034	1200	1200
5/29/2021 7:00	1034	1035	1200	1200
5/29/2021 8:00	1035	1035	1198	1200
5/29/2021 9:00	1035	1035	1196	1198
5/29/2021 10:00	1035	1035	1195	1196
5/29/2021 11:00	1035	1035	1193	1195
5/29/2021 12:00	1035	1035	1192	1193
5/29/2021 13:00	1035	1035	1192	1193
5/29/2021 14:00	1035	1035	1193	1194
5/29/2021 15:00	1035	1035	1194	1196
5/29/2021 16:00	1035	1035	1193	1196
5/29/2021 17:00	1035	1035	1193	1194
5/29/2021 18:00	1035	1035	1194	1198
5/29/2021 19:00	1035	1035	1198	1200
5/29/2021 20:00	1035	1036	1200	1200
5/29/2021 21:00	1036	1036	1200	1200
5/29/2021 22:00	1036	1036	1200	1200
5/29/2021 23:00	1036	1036	1200	1200
5/30/2021 0:00	1036	1036	1200	1200
5/30/2021 1:00	1036	1036	1200	1200
5/30/2021 2:00	1036	1036	1200	1200
5/30/2021 3:00	1036	1036	1200	1200
5/30/2021 4:00	1036	1036	1200	1200
5/30/2021 5:00	1036	1036	1200	1200
5/30/2021 6:00	1036	1036	1200	1200
5/30/2021 7:00	1035	1036	1200	1200
5/30/2021 8:00	1035	1035	1200	1200
5/30/2021 9:00	1035	1035	1200	1200
5/30/2021 10:00	1035	1035	1199	1200

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
5/30/2021 11:00	1035	1035	1195	1199
5/30/2021 12:00	1035	1035	1192	1195
5/30/2021 13:00	1035	1035	1194	1196
5/30/2021 14:00	1035	1035	1196	1199
5/30/2021 15:00	1034	1035	1197	1199
5/30/2021 16:00	1034	1034	1195	1197
5/30/2021 17:00	1034	1034	1193	1195
5/30/2021 18:00	1034	1034	1192	1193
5/30/2021 19:00	1034	1035	1191	1192
5/30/2021 20:00	1035	1035	1190	1191
5/30/2021 21:00	1034	1035	1191	1193
5/30/2021 22:00	1034	1034	1193	1197
5/30/2021 23:00	1034	1034	1197	1197
5/31/2021 0:00	1034	1034	1197	1200
5/31/2021 1:00	1034	1034	1200	1200
5/31/2021 2:00	1033	1034	1200	1200
5/31/2021 3:00	1033	1033	1200	1200
5/31/2021 4:00	1032	1033	1200	1200
5/31/2021 5:00	1032	1032	1200	1200
5/31/2021 6:00	1032	1032	1200	1200
5/31/2021 7:00	1032	1032	1200	1200
5/31/2021 8:00	1032	1032	1199	1200
5/31/2021 9:00	1032	1032	1195	1199
5/31/2021 10:00	1032	1032	1196	1200
5/31/2021 11:00	1032	1032	1199	1200
5/31/2021 12:00	1032	1032	1200	1200
5/31/2021 13:00	1032	1032	1197	1200
5/31/2021 14:00	1032	1032	1195	1197
5/31/2021 15:00	1032	1032	1194	1197
5/31/2021 16:00	1032	1032	1193	1196
5/31/2021 17:00	1032	1032	1193	1195
5/31/2021 18:00	1032	1032	1195	1198
5/31/2021 19:00	1032	1033	1198	1200
5/31/2021 20:00	1033	1033	1200	1200
5/31/2021 21:00	1033	1033	1200	1200
5/31/2021 22:00	1033	1033	1200	1200
5/31/2021 23:00	1033	1033	1200	1200