



825 Rice Street
Saint Paul, MN 55117

August 24, 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 July 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
7/1/2021 0:00	1036	1036	1191	1198
7/1/2021 1:00	1036	1036	1198	1200
7/1/2021 2:00	1036	1037	1200	1200
7/1/2021 3:00	1037	1037	1200	1200
7/1/2021 4:00	1037	1037	1200	1200
7/1/2021 5:00	1037	1037	1200	1200
7/1/2021 6:00	1037	1037	1200	1200
7/1/2021 7:00	1037	1037	1200	1200
7/1/2021 8:00	1037	1037	1200	1200
7/1/2021 9:00	1037	1037	1200	1200
7/1/2021 10:00	1036	1037	1200	1200
7/1/2021 11:00	1036	1036	1200	1200
7/1/2021 12:00	1036	1036	1200	1200
7/1/2021 13:00	1036	1036	1200	1200
7/1/2021 14:00	1036	1036	1200	1200
7/1/2021 15:00	1036	1036	1200	1200
7/1/2021 16:00	1036	1036	1199	1200
7/1/2021 17:00	1036	1036	1197	1199
7/1/2021 18:00	1036	1036	1196	1197
7/1/2021 19:00	1036	1036	1196	1196
7/1/2021 20:00	1036	1036	1196	1196
7/1/2021 21:00	1035	1036	1194	1196
7/1/2021 22:00	1035	1035	1194	1194
7/1/2021 23:00	1035	1035	1194	1194
7/2/2021 0:00	1034	1035	1194	1195
7/2/2021 1:00	1034	1034	1195	1200
7/2/2021 2:00	1033	1034	1200	1200
7/2/2021 3:00	1033	1033	1200	1200
7/2/2021 4:00	1033	1033	1200	1200
7/2/2021 5:00	1033	1033	1200	1200
7/2/2021 6:00	1033	1033	1200	1200
7/2/2021 7:00	1033	1033	1200	1200
7/2/2021 8:00	1033	1033	1200	1200
7/2/2021 9:00	1033	1033	1200	1200
7/2/2021 10:00	1033	1033	1200	1200
7/2/2021 11:00	1033	1033	1200	1200
7/2/2021 12:00	1033	1033	1200	1200
7/2/2021 13:00	1033	1033	1200	1200
7/2/2021 14:00	1033	1033	1198	1200
7/2/2021 15:00	1033	1033	1196	1198
7/2/2021 16:00	1033	1033	1194	1196
7/2/2021 17:00	1032	1033	1193	1194
7/2/2021 18:00	1032	1032	1193	1194
7/2/2021 19:00	1032	1033	1194	1195
7/2/2021 20:00	1033	1033	1194	1195
7/2/2021 21:00	1033	1034	1194	1195
7/2/2021 22:00	1033	1034	1193	1195
7/2/2021 23:00	1033	1034	1192	1193
7/3/2021 0:00	1033	1034	1192	1193
7/3/2021 1:00	1033	1033	1193	1196
7/3/2021 2:00	1033	1033	1196	1200
7/3/2021 3:00	1033	1033	1200	1200
7/3/2021 4:00	1033	1033	1200	1200
7/3/2021 5:00	1033	1037	1200	1200
7/3/2021 6:00	1034	1037	1200	1200
7/3/2021 7:00	1034	1034	1200	1200
7/3/2021 8:00	1034	1034	1200	1200
7/3/2021 9:00	1034	1034	1200	1200
7/3/2021 10:00	1034	1034	1200	1200
7/3/2021 11:00	1034	1034	1200	1200
7/3/2021 12:00	1034	1034	1200	1200
7/3/2021 13:00	1034	1034	1194	1200
7/3/2021 14:00	1034	1034	1189	1194
7/3/2021 15:00	1034	1034	1188	1189
7/3/2021 16:00	1034	1035	1188	1190
7/3/2021 17:00	1035	1035	1190	1193
7/3/2021 18:00	1035	1036	1193	1195
7/3/2021 19:00	1036	1037	1194	1195
7/3/2021 20:00	1037	1037	1195	1197
7/3/2021 21:00	1037	1038	1197	1200
7/3/2021 22:00	1038	1038	1200	1200
7/3/2021 23:00	1038	1038	1200	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
7/4/2021 0:00	1038	1038	1200	1200
7/4/2021 1:00	1038	1038	1194	1200
7/4/2021 2:00	1038	1038	1193	1195
7/4/2021 3:00	1038	1038	1195	1200
7/4/2021 4:00	1037	1038	1200	1200
7/4/2021 5:00	1037	1037	1200	1200
7/4/2021 6:00	1037	1038	1200	1200
7/4/2021 7:00	1038	1038	1200	1200
7/4/2021 8:00	1037	1038	1196	1200
7/4/2021 9:00	1037	1037	1193	1196
7/4/2021 10:00	1037	1037	1192	1193
7/4/2021 11:00	1037	1037	1193	1195
7/4/2021 12:00	1037	1037	1194	1196
7/4/2021 13:00	1037	1037	1192	1194
7/4/2021 14:00	1036	1037	1191	1192
7/4/2021 15:00	1036	1036	1191	1192
7/4/2021 16:00	1036	1036	1191	1192
7/4/2021 17:00	1036	1036	1192	1196
7/4/2021 18:00	1036	1036	1196	1198
7/4/2021 19:00	1035	1036	1198	1199
7/4/2021 20:00	1035	1035	1198	1199
7/4/2021 21:00	1035	1035	1198	1198
7/4/2021 22:00	1035	1035	1198	1200
7/4/2021 23:00	1035	1035	1200	1200
7/5/2021 0:00	1035	1035	1200	1200
7/5/2021 1:00	1035	1036	1200	1200
7/5/2021 2:00	1036	1036	1200	1200
7/5/2021 3:00	1036	1037	1200	1200
7/5/2021 4:00	1037	1037	1200	1200
7/5/2021 5:00	1037	1037	1200	1200
7/5/2021 6:00	1037	1037	1200	1200
7/5/2021 7:00	1037	1037	1200	1200
7/5/2021 8:00	1037	1037	1200	1200
7/5/2021 9:00	1037	1037	1198	1200
7/5/2021 10:00	1037	1037	1198	1198
7/5/2021 11:00	1036	1037	1198	1200
7/5/2021 12:00	1036	1036	1200	1200
7/5/2021 13:00	1035	1036	1200	1200
7/5/2021 14:00	1035	1035	1200	1200
7/5/2021 15:00	1035	1035	1199	1200
7/5/2021 16:00	1035	1035	1193	1199
7/5/2021 17:00	1035	1035	1193	1196
7/5/2021 18:00	1035	1035	1195	1198
7/5/2021 19:00	1035	1035	1198	1199
7/5/2021 20:00	1035	1035	1197	1199
7/5/2021 21:00	1035	1035	1197	1198
7/5/2021 22:00	1035	1035	1198	1199
7/5/2021 23:00	1035	1035	1197	1199
7/6/2021 0:00	1035	1035	1197	1197
7/6/2021 1:00	1035	1035	1197	1198
7/6/2021 2:00	1034	1035	1198	1200
7/6/2021 3:00	1034	1034	1200	1200
7/6/2021 4:00	1034	1034	1194	1200
7/6/2021 5:00	1034	1034	1193	1194
7/6/2021 6:00	1034	1034	1193	1194
7/6/2021 7:00	1034	1034	1194	1195
7/6/2021 8:00	1034	1034	1195	1196
7/6/2021 9:00	1034	1034	1196	1197
7/6/2021 10:00	1034	1034	1195	1197
7/6/2021 11:00	1033	1034	1195	1197
7/6/2021 12:00	1033	1033	1197	1199
7/6/2021 13:00	1033	1033	1194	1199
7/6/2021 14:00	1032	1033	1187	1194
7/6/2021 15:00	1032	1032	1181	1187
7/6/2021 16:00	1032	1032	1178	1181
7/6/2021 17:00	1031	1032	1179	1180
7/6/2021 18:00	1030	1031	1180	1180
7/6/2021 19:00	1030	1030	1180	1181
7/6/2021 20:00	1030	1030	1180	1180
7/6/2021 21:00	1030	1030	1180	1181
7/6/2021 22:00	1030	1031	1180	1181
7/6/2021 23:00	1030	1031	1180	1180
7/7/2021 0:00	1030	1030	1180	1182
7/7/2021 1:00	1030	1031	1182	1185
7/7/2021 2:00	1031	1031	1185	1189
7/7/2021 3:00	1031	1031	1189	1192
7/7/2021 4:00	1031	1031	1192	1194
7/7/2021 5:00	1031	1031	1194	1195
7/7/2021 6:00	1031	1031	1193	1194
7/7/2021 7:00	1031	1031	1193	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
7/7/2021 8:00	1031	1031	1196	1198
7/7/2021 9:00	1031	1031	1197	1200
7/7/2021 10:00	1031	1031	1200	1200
7/7/2021 11:00	1031	1031	1200	1200
7/7/2021 12:00	1031	1031	1197	1200
7/7/2021 13:00	1031	1031	1193	1197
7/7/2021 14:00	1031	1031	1192	1193
7/7/2021 15:00	1031	1032	1191	1192
7/7/2021 16:00	1032	1032	1190	1192
7/7/2021 17:00	1032	1032	1192	1197
7/7/2021 18:00	1032	1032	1197	1200
7/7/2021 19:00	1032	1032	1200	1200
7/7/2021 20:00	1032	1032	1200	1200
7/7/2021 21:00	1031	1032	1200	1200
7/7/2021 22:00	1031	1031	1200	1200
7/7/2021 23:00	1031	1031	1200	1200
7/8/2021 0:00	1031	1031	1200	1200
7/8/2021 1:00	1031	1031	1200	1200
7/8/2021 2:00	1031	1031	1200	1200
7/8/2021 3:00	1030	1031	1200	1200
7/8/2021 4:00	1030	1030	1200	1200
7/8/2021 5:00	1030	1030	1200	1200
7/8/2021 6:00	1030	1030	1200	1200
7/8/2021 7:00	1030	1030	1200	1200
7/8/2021 8:00	1030	1030	1198	1200
7/8/2021 9:00	1030	1030	1196	1198
7/8/2021 10:00	1030	1030	1196	1198
7/8/2021 11:00	1030	1030	1197	1198
7/8/2021 12:00	1030	1030	1196	1198
7/8/2021 13:00	1030	1030	1193	1196
7/8/2021 14:00	1030	1030	1193	1193
7/8/2021 14:00	1030	1030	1193	1193
7/8/2021 15:00	1030	1030	1193	1195
7/8/2021 16:00	1030	1030	1195	1197
7/8/2021 17:00	1030	1030	1197	1198
7/8/2021 18:00	1030	1030	1198	1198
7/8/2021 19:00	1030	1030	1198	1199
7/8/2021 20:00	1030	1030	1199	1200
7/8/2021 21:00	1030	1030	1200	1200
7/8/2021 22:00	1030	1030	1200	1200
7/8/2021 23:00	1030	1030	1200	1200
7/9/2021 0:00	1030	1030	1200	1200
7/9/2021 1:00	1030	1030	1200	1200
7/9/2021 2:00	1030	1030	1200	1200
7/9/2021 3:00	1030	1030	1200	1200
7/9/2021 4:00	1029	1030	1200	1200
7/9/2021 5:00	1029	1029	1200	1200
7/9/2021 6:00	1029	1029	1198	1200
7/9/2021 7:00	1028	1029	1198	1199
7/9/2021 8:00	1028	1028	1199	1200
7/9/2021 9:00	1028	1028	1200	1200
7/9/2021 10:00	1028	1029	1199	1200
7/9/2021 11:00	1029	1029	1195	1199
7/9/2021 12:00	1029	1030	1190	1195
7/9/2021 13:00	1030	1030	1185	1190
7/9/2021 14:00	1030	1030	1182	1185
7/9/2021 15:00	1030	1030	1182	1183
7/9/2021 16:00	1030	1030	1183	1184
7/9/2021 17:00	1029	1030	1184	1187
7/9/2021 18:00	1029	1029	1186	1189
7/9/2021 19:00	1029	1029	1189	1190
7/9/2021 20:00	1029	1029	1187	1189
7/9/2021 21:00	1029	1030	1186	1187
7/9/2021 22:00	1030	1030	1186	1186
7/9/2021 23:00	1030	1030	1184	1186
7/10/2021 0:00	1030	1031	1184	1189
7/10/2021 1:00	1031	1031	1189	1191
7/10/2021 2:00	1031	1031	1191	1193
7/10/2021 3:00	1031	1031	1193	1195
7/10/2021 4:00	1031	1031	1195	1199
7/10/2021 5:00	1031	1031	1199	1200
7/10/2021 6:00	1031	1031	1200	1200
7/10/2021 7:00	1031	1031	1200	1200
7/10/2021 8:00	1031	1031	1194	1200
7/10/2021 9:00	1031	1031	1194	1194
7/10/2021 10:00	1031	1031	1193	1194
7/10/2021 11:00	1031	1031	1193	1193
7/10/2021 12:00	1031	1031	1189	1193
7/10/2021 13:00	1031	1031	1187	1189
7/10/2021 14:00	1031	1031	1184	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
7/10/2021 15:00	1031	1032	1181	1184
7/10/2021 16:00	1032	1032	1180	1181
7/10/2021 17:00	1032	1032	1180	1183
7/10/2021 18:00	1032	1032	1183	1185
7/10/2021 19:00	1032	1032	1182	1185
7/10/2021 20:00	1032	1032	1181	1182
7/10/2021 21:00	1032	1032	1182	1184
7/10/2021 22:00	1032	1032	1184	1187
7/10/2021 23:00	1032	1033	1187	1191
7/11/2021 0:00	1033	1033	1191	1192
7/11/2021 1:00	1032	1033	1192	1196
7/11/2021 2:00	1032	1032	1196	1199
7/11/2021 3:00	1032	1032	1199	1200
7/11/2021 4:00	1032	1033	1200	1200
7/11/2021 5:00	1033	1033	1200	1200
7/11/2021 6:00	1033	1033	1200	1200
7/11/2021 7:00	1032	1033	1197	1200
7/11/2021 8:00	1031	1032	1197	1199
7/11/2021 9:00	1031	1031	1195	1198
7/11/2021 10:00	1029	1031	1193	1195
7/11/2021 11:00	1029	1029	1193	1195
7/11/2021 12:00	1029	1029	1195	1198
7/11/2021 13:00	1029	1029	1194	1198
7/11/2021 14:00	1028	1029	1194	1195
7/11/2021 15:00	1028	1029	1193	1194
7/11/2021 16:00	1029	1029	1192	1193
7/11/2021 17:00	1029	1030	1186	1192
7/11/2021 18:00	1030	1030	1185	1186
7/11/2021 19:00	1030	1030	1183	1185
7/11/2021 20:00	1030	1030	1181	1183
7/11/2021 21:00	1030	1030	1181	1181
7/11/2021 22:00	1030	1030	1181	1183
7/11/2021 23:00	1029	1030	1183	1183
7/12/2021 0:00	1029	1029	1183	1186
7/12/2021 1:00	1029	1029	1186	1190
7/12/2021 2:00	1029	1030	1190	1192
7/12/2021 3:00	1030	1030	1190	1191
7/12/2021 4:00	1030	1031	1190	1192
7/12/2021 5:00	1031	1031	1191	1193
7/12/2021 6:00	1031	1031	1193	1194
7/12/2021 7:00	1031	1031	1194	1195
7/12/2021 8:00	1031	1031	1195	1196
7/12/2021 9:00	1031	1031	1195	1196
7/12/2021 10:00	1031	1031	1194	1196
7/12/2021 11:00	1031	1031	1191	1194
7/12/2021 12:00	1031	1031	1188	1191
7/12/2021 13:00	1031	1031	1186	1188
7/12/2021 14:00	1031	1031	1184	1186
7/12/2021 15:00	1031	1031	1181	1184
7/12/2021 16:00	1031	1031	1178	1181
7/12/2021 17:00	1031	1031	1176	1178
7/12/2021 18:00	1031	1031	1175	1177
7/12/2021 19:00	1031	1031	1174	1175
7/12/2021 20:00	1031	1032	1173	1174
7/12/2021 21:00	1032	1033	1174	1174
7/12/2021 22:00	1033	1033	1173	1174
7/12/2021 23:00	1033	1034	1173	1175
7/13/2021 0:00	1034	1034	1175	1180
7/13/2021 1:00	1034	1034	1180	1186
7/13/2021 2:00	1033	1034	1186	1194
7/13/2021 3:00	1033	1033	1191	1194
7/13/2021 4:00	1033	1033	1189	1191
7/13/2021 5:00	1033	1033	1188	1189
7/13/2021 6:00	1033	1033	1189	1192
7/13/2021 7:00	1033	1033	1192	1193
7/13/2021 8:00	1033	1033	1193	1194
7/13/2021 9:00	1033	1034	1194	1195
7/13/2021 10:00	1034	1034	1195	1197
7/13/2021 11:00	1034	1034	1196	1197
7/13/2021 12:00	1034	1034	1194	1196
7/13/2021 13:00	1034	1034	1195	1196
7/13/2021 14:00	1033	1034	1194	1196
7/13/2021 15:00	1033	1033	1194	1194
7/13/2021 16:00	1033	1033	1193	1194
7/13/2021 17:00	1033	1033	1189	1193
7/13/2021 18:00	1033	1033	1183	1189
7/13/2021 19:00	1033	1033	1182	1183
7/13/2021 20:00	1033	1034	1182	1182
7/13/2021 21:00	1034	1034	1182	1183
7/13/2021 22:00	1034	1034	1183	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
7/13/2021 23:00	1034	1034	1187	1191
7/14/2021 0:00	1034	1034	1191	1196
7/14/2021 1:00	1034	1034	1196	1200
7/14/2021 2:00	1034	1034	1200	1200
7/14/2021 3:00	1034	1034	1200	1200
7/14/2021 4:00	1034	1034	1200	1200
7/14/2021 5:00	1034	1034	1200	1200
7/14/2021 6:00	1034	1034	1200	1200
7/14/2021 7:00	1034	1034	1200	1200
7/14/2021 8:00	1033	1034	1200	1200
7/14/2021 9:00	1033	1033	1200	1200
7/14/2021 10:00	1033	1033	1200	1200
7/14/2021 11:00	1033	1033	1200	1200
7/14/2021 12:00	1033	1033	1196	1200
7/14/2021 13:00	1033	1033	1194	1196
7/14/2021 14:00	1032	1033	1191	1194
7/14/2021 15:00	1032	1032	1190	1191
7/14/2021 16:00	1032	1032	1189	1191
7/14/2021 17:00	1032	1032	1188	1189
7/14/2021 18:00	1032	1032	1186	1188
7/14/2021 19:00	1032	1032	1184	1186
7/14/2021 20:00	1032	1032	1184	1185
7/14/2021 21:00	1031	1032	1184	1187
7/14/2021 22:00	1031	1031	1187	1189
7/14/2021 23:00	1031	1031	1182	1189
7/15/2021 0:00	1031	1031	1182	1184
7/15/2021 1:00	1030	1031	1184	1190
7/15/2021 2:00	1030	1030	1190	1196
7/15/2021 3:00	1029	1030	1196	1200
7/15/2021 4:00	1029	1029	1200	1200
7/15/2021 5:00	1029	1029	1200	1200
7/15/2021 6:00	1029	1029	1200	1200
7/15/2021 7:00	1029	1029	1200	1200
7/15/2021 8:00	1029	1030	1200	1200
7/15/2021 9:00	1030	1030	1200	1200
7/15/2021 10:00	1030	1031	1200	1200
7/15/2021 10:00	1030	1030	1200	1200
7/15/2021 11:00	1031	1031	1200	1200
7/15/2021 11:00	1031	1031	1200	1200
7/15/2021 12:00	1031	1031	1200	1200
7/15/2021 13:00	1031	1031	1199	1200
7/15/2021 14:00	1031	1031	1199	1200
7/15/2021 15:00	1031	1032	1200	1200
7/15/2021 16:00	1032	1032	1200	1200
7/15/2021 17:00	1032	1032	1200	1200
7/15/2021 18:00	1032	1032	1200	1200
7/15/2021 19:00	1032	1032	1199	1200
7/15/2021 20:00	1032	1033	1199	1200
7/15/2021 21:00	1033	1033	1200	1200
7/15/2021 22:00	1033	1033	1200	1200
7/15/2021 23:00	1033	1033	1200	1200
7/16/2021 0:00	1033	1033	1200	1200
7/16/2021 1:00	1033	1033	1200	1200
7/16/2021 2:00	1033	1033	1200	1200
7/16/2021 3:00	1033	1033	1200	1200
7/16/2021 4:00	1033	1033	1200	1200
7/16/2021 5:00	1033	1033	1200	1200
7/16/2021 6:00	1033	1033	1200	1200
7/16/2021 7:00	1033	1033	1200	1200
7/16/2021 8:00	1033	1033	1200	1200
7/16/2021 9:00	1033	1033	1200	1200
7/16/2021 10:00	1033	1033	1200	1200
7/16/2021 11:00	1033	1033	1200	1200
7/16/2021 12:00	1033	1033	1200	1200
7/16/2021 13:00	1033	1034	1200	1200
7/16/2021 14:00	1034	1034	1200	1200
7/16/2021 15:00	1034	1035	1200	1200
7/16/2021 16:00	1035	1035	1199	1200
7/16/2021 17:00	1034	1035	1198	1199
7/16/2021 18:00	1034	1034	1198	1198
7/16/2021 19:00	1034	1034	1195	1198
7/16/2021 20:00	1034	1034	1193	1195
7/16/2021 21:00	1034	1034	1193	1196
7/16/2021 22:00	1034	1034	1196	1199
7/16/2021 23:00	1034	1034	1199	1200
7/17/2021 0:00	1034	1034	1200	1200
7/17/2021 1:00	1034	1034	1200	1200
7/17/2021 2:00	1034	1034	1200	1200
7/17/2021 3:00	1034	1034	1200	1200
7/17/2021 4:00	1034	1034	1200	1200

Xcel Energy
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/17/2021 5:00	1034	1034	1200	1200
7/17/2021 6:00	1033	1034	1200	1200
7/17/2021 7:00	1033	1033	1200	1200
7/17/2021 8:00	1033	1033	1200	1200
7/17/2021 9:00	1033	1033	1200	1200
7/17/2021 10:00	1033	1033	1200	1200
7/17/2021 11:00	1033	1033	1200	1200
7/17/2021 12:00	1033	1033	1200	1200
7/17/2021 13:00	1033	1033	1200	1200
7/17/2021 14:00	1033	1033	1200	1200
7/17/2021 15:00	1033	1033	1200	1200
7/17/2021 16:00	1033	1033	1200	1200
7/17/2021 17:00	1033	1033	1200	1200
7/17/2021 18:00	1033	1033	1200	1200
7/17/2021 19:00	1033	1033	1200	1200
7/17/2021 20:00	1033	1033	1200	1200
7/17/2021 21:00	1033	1033	1200	1200
7/17/2021 22:00	1033	1033	1199	1200
7/17/2021 23:00	1033	1033	1197	1199
7/18/2021 0:00	1033	1033	1198	1200
7/18/2021 1:00	1033	1033	1199	1200
7/18/2021 2:00	1033	1033	1200	1200
7/18/2021 3:00	1033	1033	1200	1200
7/18/2021 4:00	1033	1033	1197	1200
7/18/2021 5:00	1033	1033	1197	1200
7/18/2021 6:00	1033	1033	1200	1200
7/18/2021 7:00	1033	1033	1200	1200
7/18/2021 8:00	1033	1033	1200	1200
7/18/2021 9:00	1033	1033	1200	1200
7/18/2021 10:00	1032	1033	1200	1200
7/18/2021 11:00	1032	1032	1200	1200
7/18/2021 12:00	1032	1032	1199	1200
7/18/2021 13:00	1032	1032	1194	1199
7/18/2021 14:00	1032	1032	1193	1194
7/18/2021 15:00	1032	1032	1192	1193
7/18/2021 16:00	1031	1032	1192	1194
7/18/2021 17:00	1031	1031	1194	1197
7/18/2021 18:00	1031	1031	1197	1200
7/18/2021 19:00	1031	1031	1200	1200
7/18/2021 20:00	1031	1031	1200	1200
7/18/2021 21:00	1031	1031	1200	1200
7/18/2021 22:00	1031	1031	1200	1200
7/18/2021 23:00	1031	1032	1200	1200
7/19/2021 0:00	1032	1032	1200	1200
7/19/2021 1:00	1032	1032	1200	1200
7/19/2021 2:00	1032	1032	1200	1200
7/19/2021 3:00	1032	1032	1200	1200
7/19/2021 4:00	1031	1032	1200	1200
7/19/2021 5:00	1031	1031	1200	1200
7/19/2021 6:00	1031	1031	1200	1200
7/19/2021 7:00	1031	1031	1200	1200
7/19/2021 8:00	1031	1031	1198	1200
7/19/2021 9:00	1030	1031	1199	1200
7/19/2021 10:00	1030	1030	1200	1200
7/19/2021 11:00	1030	1030	1200	1200
7/19/2021 12:00	1030	1030	1200	1200
7/19/2021 13:00	1029	1030	1198	1200
7/19/2021 14:00	1029	1029	1196	1198
7/19/2021 15:00	1029	1029	1193	1196
7/19/2021 16:00	1029	1029	1191	1193
7/19/2021 17:00	1029	1030	1190	1191
7/19/2021 18:00	1030	1030	1190	1192
7/19/2021 19:00	1030	1031	1192	1194
7/19/2021 20:00	1031	1031	1194	1195
7/19/2021 21:00	1031	1032	1195	1196
7/19/2021 22:00	1032	1032	1193	1195
7/19/2021 23:00	1032	1032	1191	1193
7/20/2021 0:00	1032	1033	1189	1191
7/20/2021 1:00	1033	1033	1190	1190
7/20/2021 2:00	1033	1033	1190	1193
7/20/2021 3:00	1033	1033	1193	1198
7/20/2021 4:00	1033	1033	1197	1200
7/20/2021 5:00	1033	1033	1200	1200
7/20/2021 6:00	1033	1033	1200	1200
7/20/2021 7:00	1033	1033	1200	1200
7/20/2021 8:00	1033	1033	1200	1200
7/20/2021 9:00	1033	1033	1195	1200
7/20/2021 10:00	1032	1033	1194	1195
7/20/2021 11:00	1032	1032	1194	1197
7/20/2021 12:00	1032	1032	1191	1197

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/20/2021 13:00	1032	1032	1184	1191
7/20/2021 14:00	1032	1032	1186	1186
7/20/2021 15:00	1032	1032	1186	1188
7/20/2021 16:00	1032	1032	1186	1188
7/20/2021 17:00	1032	1032	1179	1186
7/20/2021 18:00	1032	1032	1178	1179
7/20/2021 19:00	1032	1032	1176	1178
7/20/2021 20:00	1032	1033	1173	1176
7/20/2021 21:00	1033	1033	1172	1173
7/20/2021 22:00	1033	1033	1172	1173
7/20/2021 23:00	1033	1033	1172	1176
7/21/2021 0:00	1033	1033	1176	1182
7/21/2021 1:00	1033	1033	1182	1190
7/21/2021 2:00	1033	1033	1190	1194
7/21/2021 3:00	1033	1033	1194	1198
7/21/2021 4:00	1033	1033	1198	1199
7/21/2021 5:00	1033	1033	1199	1200
7/21/2021 6:00	1033	1033	1196	1199
7/21/2021 7:00	1033	1033	1189	1196
7/21/2021 8:00	1033	1033	1189	1190
7/21/2021 9:00	1033	1033	1190	1193
7/21/2021 10:00	1033	1033	1193	1197
7/21/2021 11:00	1033	1033	1194	1197
7/21/2021 12:00	1033	1033	1194	1198
7/21/2021 13:00	1033	1033	1196	1198
7/21/2021 14:00	1033	1033	1194	1196
7/21/2021 15:00	1033	1033	1189	1194
7/21/2021 16:00	1033	1033	1189	1190
7/21/2021 17:00	1033	1033	1190	1192
7/21/2021 18:00	1033	1033	1192	1195
7/21/2021 19:00	1033	1033	1195	1199
7/21/2021 20:00	1032	1033	1196	1200
7/21/2021 21:00	1032	1032	1191	1196
7/21/2021 22:00	1032	1032	1189	1191
7/21/2021 23:00	1032	1033	1189	1191
7/22/2021 0:00	1033	1033	1191	1195
7/22/2021 1:00	1033	1033	1195	1196
7/22/2021 2:00	1033	1033	1195	1196
7/22/2021 3:00	1033	1033	1196	1197
7/22/2021 4:00	1033	1033	1197	1199
7/22/2021 5:00	1033	1033	1199	1200
7/22/2021 6:00	1032	1033	1200	1200
7/22/2021 7:00	1032	1032	1200	1200
7/22/2021 8:00	1032	1032	1198	1200
7/22/2021 9:00	1032	1033	1192	1198
7/22/2021 10:00	1033	1033	1189	1192
7/22/2021 11:00	1033	1033	1189	1193
7/22/2021 12:00	1033	1033	1193	1196
7/22/2021 13:00	1032	1033	1196	1197
7/22/2021 14:00	1032	1032	1196	1197
7/22/2021 15:00	1032	1032	1197	1197
7/22/2021 16:00	1032	1032	1197	1198
7/22/2021 17:00	1032	1032	1198	1199
7/22/2021 18:00	1032	1033	1195	1199
7/22/2021 19:00	1033	1033	1195	1195
7/22/2021 20:00	1033	1033	1195	1198
7/22/2021 21:00	1032	1033	1197	1200
7/22/2021 22:00	1032	1032	1200	1200
7/22/2021 23:00	1032	1032	1200	1200
7/23/2021 0:00	1032	1032	1200	1200
7/23/2021 1:00	1032	1032	1200	1200
7/23/2021 2:00	1032	1032	1200	1200
7/23/2021 3:00	1032	1032	1200	1200
7/23/2021 4:00	1032	1032	1200	1200
7/23/2021 5:00	1032	1032	1200	1200
7/23/2021 6:00	1032	1032	1200	1200
7/23/2021 7:00	1032	1032	1200	1200
7/23/2021 8:00	1031	1032	1200	1200
7/23/2021 9:00	1031	1031	1200	1200
7/23/2021 10:00	1031	1031	1200	1200
7/23/2021 11:00	1031	1031	1200	1200
7/23/2021 12:00	1031	1032	1200	1200
7/23/2021 13:00	1032	1032	1200	1200
7/23/2021 14:00	1032	1032	1200	1200
7/23/2021 15:00	1032	1032	1200	1200
7/23/2021 16:00	1032	1032	1200	1200
7/23/2021 17:00	1031	1032	1200	1200
7/23/2021 18:00	1031	1031	1200	1200
7/23/2021 19:00	1031	1031	1200	1200
7/23/2021 20:00	1031	1031	1200	1200

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/23/2021 21:00	1031	1031	1200	1200
7/23/2021 22:00	1031	1031	1200	1200
7/23/2021 23:00	1031	1031	1200	1200
7/24/2021 0:00	1030	1031	1200	1200
7/24/2021 1:00	1030	1031	1200	1200
7/24/2021 2:00	1031	1031	1200	1200
7/24/2021 3:00	1031	1031	1200	1200
7/24/2021 4:00	1031	1031	1200	1200
7/24/2021 5:00	1031	1031	1200	1200
7/24/2021 6:00	1031	1031	1200	1200
7/24/2021 7:00	1031	1031	1200	1200
7/24/2021 8:00	1031	1031	1200	1200
7/24/2021 9:00	1031	1031	1200	1200
7/24/2021 10:00	1031	1031	1200	1200
7/24/2021 11:00	1031	1031	1200	1200
7/24/2021 12:00	1031	1031	1200	1200
7/24/2021 13:00	1031	1031	1200	1200
7/24/2021 14:00	1031	1031	1200	1200
7/24/2021 15:00	1031	1031	1200	1200
7/24/2021 16:00	1031	1031	1200	1200
7/24/2021 17:00	1031	1031	1200	1200
7/24/2021 18:00	1031	1031	1200	1200
7/24/2021 19:00	1031	1031	1200	1200
7/24/2021 20:00	1031	1031	1200	1200
7/24/2021 21:00	1031	1031	1200	1200
7/24/2021 22:00	1031	1031	1200	1200
7/24/2021 23:00	1031	1031	1200	1200
7/25/2021 0:00	1031	1031	1200	1200
7/25/2021 1:00	1031	1031	1200	1200
7/25/2021 2:00	1031	1031	1200	1200
7/25/2021 3:00	1031	1031	1200	1200
7/25/2021 4:00	1031	1031	1200	1200
7/25/2021 5:00	1031	1031	1200	1200
7/25/2021 6:00	1031	1031	1200	1200
7/25/2021 7:00	1031	1031	1200	1200
7/25/2021 8:00	1031	1031	1200	1200
7/25/2021 9:00	1031	1031	1200	1200
7/25/2021 10:00	1031	1031	1200	1200
7/25/2021 11:00	1031	1031	1200	1200
7/25/2021 12:00	1031	1031	1200	1200
7/25/2021 13:00	1031	1031	1200	1200
7/25/2021 14:00	1031	1031	1200	1200
7/25/2021 15:00	1031	1031	1200	1200
7/25/2021 16:00	1031	1031	1194	1200
7/25/2021 17:00	1031	1031	1193	1194
7/25/2021 18:00	1031	1031	1192	1193
7/25/2021 19:00	1031	1031	1192	1193
7/25/2021 20:00	1031	1031	1192	1192
7/25/2021 21:00	1031	1031	1190	1192
7/25/2021 22:00	1031	1031	1188	1190
7/25/2021 23:00	1031	1031	1187	1188
7/26/2021 0:00	1031	1031	1186	1187
7/26/2021 1:00	1031	1031	1187	1189
7/26/2021 2:00	1031	1031	1189	1192
7/26/2021 3:00	1031	1031	1192	1197
7/26/2021 4:00	1031	1031	1197	1198
7/26/2021 5:00	1031	1031	1198	1200
7/26/2021 6:00	1031	1031	1200	1200
7/26/2021 7:00	1031	1031	1200	1200
7/26/2021 8:00	1031	1031	1200	1200
7/26/2021 9:00	1031	1031	1200	1200
7/26/2021 10:00	1031	1031	1200	1200
7/26/2021 11:00	1031	1031	1200	1200
7/26/2021 12:00	1031	1031	1200	1200
7/26/2021 13:00	1031	1031	1200	1200
7/26/2021 14:00	1031	1031	1200	1200
7/26/2021 15:00	1031	1032	1195	1200
7/26/2021 16:00	1032	1032	1193	1195
7/26/2021 17:00	1032	1032	1190	1193
7/26/2021 18:00	1032	1033	1188	1190
7/26/2021 19:00	1033	1033	1188	1189
7/26/2021 20:00	1033	1033	1189	1190
7/26/2021 21:00	1033	1033	1190	1190
7/26/2021 22:00	1033	1033	1190	1190
7/26/2021 23:00	1033	1034	1189	1190
7/27/2021 0:00	1034	1034	1186	1189
7/27/2021 1:00	1033	1034	1186	1190
7/27/2021 2:00	1033	1033	1190	1195
7/27/2021 3:00	1032	1033	1195	1200
7/27/2021 4:00	1032	1032	1200	1200

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/27/2021 5:00	1032	1032	1200	1200
7/27/2021 6:00	1032	1032	1198	1200
7/27/2021 7:00	1032	1032	1198	1199
7/27/2021 8:00	1032	1032	1198	1199
7/27/2021 9:00	1031	1032	1199	1200
7/27/2021 10:00	1031	1031	1200	1200
7/27/2021 11:00	1031	1031	1200	1200
7/27/2021 12:00	1031	1032	1200	1200
7/27/2021 13:00	1032	1032	1200	1200
7/27/2021 14:00	1032	1032	1200	1200
7/27/2021 15:00	1032	1032	1200	1200
7/27/2021 16:00	1032	1032	1200	1200
7/27/2021 17:00	1032	1032	1200	1200
7/27/2021 18:00	1032	1032	1200	1200
7/27/2021 19:00	1032	1033	1200	1200
7/27/2021 20:00	1033	1033	1197	1200
7/27/2021 21:00	1033	1033	1197	1198
7/27/2021 22:00	1033	1033	1197	1198
7/27/2021 23:00	1033	1033	1198	1200
7/28/2021 0:00	1033	1034	1200	1200
7/28/2021 1:00	1033	1034	1200	1200
7/28/2021 2:00	1033	1033	1200	1200
7/28/2021 3:00	1032	1033	1200	1200
7/28/2021 4:00	1032	1032	1200	1200
7/28/2021 5:00	1032	1033	1200	1200
7/28/2021 6:00	1033	1034	1200	1200
7/28/2021 7:00	1034	1035	1200	1200
7/28/2021 8:00	1035	1036	1200	1200
7/28/2021 9:00	1036	1036	1200	1200
7/28/2021 10:00	1036	1036	1200	1200
7/28/2021 11:00	1035	1036	1200	1200
7/28/2021 12:00	1035	1035	1200	1200
7/28/2021 13:00	1035	1035	1200	1200
7/28/2021 14:00	1035	1035	1200	1200
7/28/2021 15:00	1035	1035	1200	1200
7/28/2021 16:00	1035	1035	1200	1200
7/28/2021 17:00	1035	1035	1200	1200
7/28/2021 18:00	1035	1035	1200	1200
7/28/2021 19:00	1035	1035	1200	1200
7/28/2021 20:00	1035	1036	1199	1200
7/28/2021 21:00	1035	1036	1195	1199
7/28/2021 22:00	1035	1035	1191	1195
7/28/2021 23:00	1035	1035	1191	1192
7/29/2021 0:00	1035	1035	1192	1195
7/29/2021 1:00	1035	1036	1195	1199
7/29/2021 2:00	1036	1036	1199	1200
7/29/2021 3:00	1036	1037	1200	1200
7/29/2021 4:00	1037	1037	1199	1200
7/29/2021 5:00	1037	1037	1189	1199
7/29/2021 6:00	1037	1037	1188	1189
7/29/2021 7:00	1037	1038	1188	1190
7/29/2021 8:00	1038	1040	1190	1193
7/29/2021 9:00	1040	1041	1193	1199
7/29/2021 10:00	1041	1041	1199	1200
7/29/2021 11:00	1040	1041	1200	1200
7/29/2021 12:00	1040	1040	1200	1200
7/29/2021 13:00	1038	1040	1200	1200
7/29/2021 14:00	1037	1038	1200	1200
7/29/2021 15:00	1036	1037	1200	1200
7/29/2021 16:00	1036	1036	1200	1200
7/29/2021 17:00	1035	1036	1200	1200
7/29/2021 18:00	1035	1035	1197	1200
7/29/2021 19:00	1035	1035	1196	1197
7/29/2021 20:00	1035	1036	1196	1199
7/29/2021 21:00	1036	1036	1199	1200
7/29/2021 22:00	1036	1036	1200	1200
7/29/2021 23:00	1036	1036	1200	1200
7/30/2021 0:00	1036	1036	1200	1200
7/30/2021 1:00	1036	1036	1200	1200
7/30/2021 2:00	1036	1036	1200	1200
7/30/2021 3:00	1035	1036	1200	1200
7/30/2021 4:00	1035	1035	1200	1200
7/30/2021 5:00	1034	1035	1200	1200
7/30/2021 6:00	1034	1034	1200	1200
7/30/2021 7:00	1034	1034	1200	1200
7/30/2021 8:00	1034	1035	1200	1200
7/30/2021 9:00	1035	1035	1200	1200
7/30/2021 10:00	1035	1035	1200	1200
7/30/2021 11:00	1034	1035	1200	1200
7/30/2021 12:00	1033	1034	1198	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
7/30/2021 13:00	1032	1033	1198	1200
7/30/2021 14:00	1031	1032	1200	1200
7/30/2021 15:00	1031	1031	1200	1200
7/30/2021 16:00	1031	1032	1200	1200
7/30/2021 17:00	1032	1033	1200	1200
7/30/2021 18:00	1033	1033	1198	1200
7/30/2021 19:00	1033	1033	1197	1198
7/30/2021 20:00	1033	1033	1195	1197
7/30/2021 21:00	1032	1033	1195	1196
7/30/2021 22:00	1032	1032	1195	1195
7/30/2021 23:00	1032	1032	1195	1197
7/31/2021 0:00	1032	1032	1195	1197
7/31/2021 1:00	1032	1033	1181	1195
7/31/2021 2:00	1033	1033	1181	1186
7/31/2021 3:00	1033	1033	1186	1194
7/31/2021 4:00	1033	1033	1194	1200
7/31/2021 5:00	1033	1033	1200	1200
7/31/2021 6:00	1032	1033	1200	1200
7/31/2021 7:00	1032	1032	1200	1200
7/31/2021 8:00	1032	1032	1200	1200
7/31/2021 9:00	1032	1032	1198	1200
7/31/2021 10:00	1032	1032	1197	1198
7/31/2021 11:00	1032	1032	1197	1198
7/31/2021 12:00	1032	1032	1198	1200
7/31/2021 13:00	1032	1033	1200	1200
7/31/2021 14:00	1033	1033	1200	1200
7/31/2021 15:00	1033	1033	1200	1200
7/31/2021 16:00	1033	1033	1200	1200
7/31/2021 17:00	1033	1033	1200	1200
7/31/2021 18:00	1033	1033	1200	1200
7/31/2021 19:00	1033	1033	1200	1200
7/31/2021 20:00	1033	1033	1200	1200
7/31/2021 21:00	1033	1033	1200	1200
7/31/2021 22:00	1033	1033	1200	1200
7/31/2021 23:00	1033	1033	1200	1200