



825 Rice Street
Saint Paul, MN 55117

January 17, 2022

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 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
12/1/2021 0:00	1050	1050	1200	1200
12/1/2021 1:00	1050	1050	1200	1200
12/1/2021 2:00	1050	1050	1200	1200
12/1/2021 3:00	1050	1050	1200	1200
12/1/2021 4:00	1050	1050	1200	1200
12/1/2021 5:00	1050	1051	1200	1200
12/1/2021 6:00	1050	1051	1200	1200
12/1/2021 7:00	1050	1051	1200	1200
12/1/2021 8:00	1051	1051	1200	1200
12/1/2021 9:00	1051	1051	1200	1200
12/1/2021 10:00	1051	1051	1198	1200
12/1/2021 11:00	1051	1051	1195	1198
12/1/2021 12:00	1051	1051	1193	1195
12/1/2021 13:00	1051	1051	1193	1197
12/1/2021 13:00	1051	1051	1193	1194
12/1/2021 14:00	1051	1051	1197	1199
12/1/2021 15:00	1051	1051	1196	1198
12/1/2021 15:00	1051	1051	1194	1198
12/1/2021 16:00	1051	1051	1194	1196
12/1/2021 17:00	1051	1051	1196	1198
12/1/2021 18:00	1050	1051	1195	1197
12/1/2021 19:00	1050	1050	1193	1195
12/1/2021 20:00	1050	1050	1193	1194
12/1/2021 21:00	1049	1050	1194	1200
12/1/2021 22:00	1049	1049	1200	1200
12/1/2021 23:00	1049	1049	1199	1200
12/2/2021 0:00	1049	1049	1196	1199
12/2/2021 1:00	1049	1049	1196	1197
12/2/2021 2:00	1048	1049	1196	1197
12/2/2021 3:00	1048	1048	1196	1200
12/2/2021 4:00	1048	1048	1198	1200
12/2/2021 5:00	1048	1048	1198	1200
12/2/2021 6:00	1047	1048	1200	1200
12/2/2021 7:00	1046	1047	1197	1200
12/2/2021 8:00	1045	1046	1196	1197
12/2/2021 9:00	1044	1045	1193	1196
12/2/2021 10:00	1043	1044	1192	1193
12/2/2021 11:00	1043	1043	1192	1198
12/2/2021 12:00	1043	1043	1198	1200
12/2/2021 13:00	1043	1043	1199	1200
12/2/2021 14:00	1043	1044	1199	1199
12/2/2021 15:00	1044	1044	1198	1199
12/2/2021 16:00	1044	1045	1198	1200
12/2/2021 17:00	1044	1045	1200	1200
12/2/2021 18:00	1044	1045	1200	1200
12/2/2021 19:00	1045	1045	1200	1200
12/2/2021 20:00	1045	1045	1200	1200
12/2/2021 21:00	1044	1045	1200	1200
12/2/2021 22:00	1044	1044	1200	1200
12/2/2021 23:00	1044	1045	1200	1200
12/3/2021 0:00	1045	1045	1200	1200
12/3/2021 1:00	1045	1045	1200	1200
12/3/2021 2:00	1045	1045	1200	1200
12/3/2021 3:00	1045	1046	1200	1200
12/3/2021 4:00	1046	1046	1200	1200
12/3/2021 5:00	1046	1046	1200	1200
12/3/2021 6:00	1046	1047	1200	1200
12/3/2021 7:00	1046	1047	1200	1200
12/3/2021 8:00	1046	1046	1200	1200
12/3/2021 9:00	1046	1046	1200	1200
12/3/2021 10:00	1046	1046	1200	1200
12/3/2021 11:00	1046	1046	1200	1200
12/3/2021 12:00	1046	1046	1200	1200
12/3/2021 13:00	1045	1046	1200	1200
12/3/2021 14:00	1045	1046	1200	1200
12/3/2021 15:00	1045	1046	1200	1200
12/3/2021 16:00	1045	1045	1200	1200
12/3/2021 17:00	1045	1045	1200	1200
12/3/2021 18:00	1045	1045	1200	1200
12/3/2021 19:00	1045	1045	1196	1200
12/3/2021 20:00	1045	1045	1197	1200
12/3/2021 21:00	1045	1045	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
12/3/2021 22:00	1045	1046	1200	1200
12/3/2021 23:00	1046	1046	1200	1200
12/4/2021 0:00	1046	1047	1200	1200
12/4/2021 1:00	1047	1047	1200	1200
12/4/2021 2:00	1047	1047	1200	1200
12/4/2021 3:00	1047	1048	1200	1200
12/4/2021 4:00	1048	1048	1200	1200
12/4/2021 5:00	1048	1049	1200	1200
12/4/2021 6:00	1049	1049	1200	1200
12/4/2021 7:00	1048	1049	1200	1200
12/4/2021 8:00	1048	1049	1200	1200
12/4/2021 9:00	1049	1049	1200	1200
12/4/2021 10:00	1049	1049	1200	1200
12/4/2021 11:00	1049	1049	1196	1200
12/4/2021 12:00	1049	1049	1193	1196
12/4/2021 13:00	1049	1049	1193	1193
12/4/2021 14:00	1049	1049	1193	1196
12/4/2021 15:00	1049	1049	1196	1198
12/4/2021 16:00	1049	1049	1198	1199
12/4/2021 17:00	1049	1049	1198	1199
12/4/2021 18:00	1049	1049	1198	1200
12/4/2021 19:00	1049	1049	1200	1200
12/4/2021 20:00	1049	1049	1197	1200
12/4/2021 21:00	1049	1049	1195	1197
12/4/2021 22:00	1049	1049	1195	1195
12/4/2021 23:00	1049	1049	1194	1195
12/5/2021 0:00	1049	1049	1194	1197
12/5/2021 1:00	1049	1049	1197	1200
12/5/2021 2:00	1049	1049	1200	1200
12/5/2021 3:00	1049	1049	1200	1200
12/5/2021 4:00	1049	1049	1200	1200
12/5/2021 5:00	1049	1049	1200	1200
12/5/2021 6:00	1048	1049	1200	1200
12/5/2021 7:00	1048	1048	1200	1200
12/5/2021 8:00	1048	1048	1200	1200
12/5/2021 9:00	1048	1048	1194	1200
12/5/2021 10:00	1048	1049	1190	1194
12/5/2021 11:00	1048	1049	1189	1190
12/5/2021 12:00	1048	1048	1189	1193
12/5/2021 13:00	1048	1049	1191	1193
12/5/2021 14:00	1048	1049	1190	1192
12/5/2021 15:00	1048	1048	1192	1195
12/5/2021 16:00	1048	1048	1195	1196
12/5/2021 17:00	1048	1048	1191	1195
12/5/2021 18:00	1047	1048	1191	1193
12/5/2021 19:00	1047	1048	1193	1198
12/5/2021 20:00	1048	1048	1198	1200
12/5/2021 21:00	1047	1048	1200	1200
12/5/2021 22:00	1047	1047	1200	1200
12/5/2021 23:00	1047	1047	1200	1200
12/6/2021 0:00	1047	1047	1200	1200
12/6/2021 1:00	1047	1047	1200	1200
12/6/2021 2:00	1047	1047	1200	1200
12/6/2021 3:00	1047	1047	1200	1200
12/6/2021 4:00	1047	1047	1199	1200
12/6/2021 5:00	1047	1047	1196	1199
12/6/2021 6:00	1047	1048	1195	1196
12/6/2021 7:00	1048	1048	1196	1200
12/6/2021 8:00	1048	1048	1200	1200
12/6/2021 9:00	1047	1048	1200	1200
12/6/2021 10:00	1047	1048	1200	1200
12/6/2021 11:00	1048	1048	1200	1200
12/6/2021 12:00	1047	1048	1200	1200
12/6/2021 13:00	1047	1048	1200	1200
12/6/2021 14:00	1047	1048	1200	1200
12/6/2021 15:00	1047	1047	1200	1200
12/6/2021 16:00	1047	1047	1200	1200
12/6/2021 17:00	1047	1047	1200	1200
12/6/2021 18:00	1047	1047	1200	1200
12/6/2021 19:00	1047	1047	1198	1200
12/6/2021 20:00	1047	1047	1195	1198
12/6/2021 21:00	1047	1047	1193	1196
12/6/2021 22:00	1047	1047	1193	1199
12/6/2021 23:00	1047	1047	1199	1200
12/7/2021 0:00	1047	1047	1197	1200
12/7/2021 1:00	1047	1047	1197	1198
12/7/2021 2:00	1047	1047	1198	1200
12/7/2021 3:00	1046	1047	1200	1200
12/7/2021 4:00	1046	1046	1200	1200
12/7/2021 5:00	1046	1046	1196	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
12/7/2021 6:00	1046	1046	1196	1198
12/7/2021 7:00	1046	1046	1198	1198
12/7/2021 8:00	1046	1047	1191	1198
12/7/2021 9:00	1047	1047	1187	1191
12/7/2021 10:00	1047	1047	1155	1187
12/7/2021 11:00	1047	1047	1154	1160
12/7/2021 12:00	1047	1047	1160	1165
12/7/2021 13:00	1047	1047	1164	1165
12/7/2021 14:00	1047	1047	1164	1166
12/7/2021 15:00	1047	1047	1166	1168
12/7/2021 16:00	1047	1047	1167	1169
12/7/2021 17:00	1046	1047	1169	1171
12/7/2021 18:00	1046	1046	1171	1171
12/7/2021 19:00	1046	1047	1168	1171
12/7/2021 20:00	1047	1047	1168	1169
12/7/2021 21:00	1047	1047	1167	1168
12/7/2021 22:00	1047	1047	1167	1168
12/7/2021 23:00	1047	1047	1166	1167
12/8/2021 0:00	1047	1047	1167	1168
12/8/2021 1:00	1047	1048	1167	1168
12/8/2021 2:00	1048	1048	1168	1170
12/8/2021 3:00	1048	1048	1170	1170
12/8/2021 4:00	1048	1048	1170	1171
12/8/2021 5:00	1048	1048	1171	1172
12/8/2021 6:00	1048	1048	1171	1173
12/8/2021 7:00	1048	1048	1173	1174
12/8/2021 8:00	1048	1048	1174	1176
12/8/2021 9:00	1048	1048	1176	1178
12/8/2021 10:00	1048	1048	1177	1178
12/8/2021 11:00	1048	1048	1176	1177
12/8/2021 12:00	1048	1048	1175	1177
12/8/2021 13:00	1048	1048	1177	1181
12/8/2021 14:00	1047	1048	1178	1181
12/8/2021 15:00	1047	1047	1178	1179
12/8/2021 16:00	1047	1047	1179	1180
12/8/2021 17:00	1047	1047	1179	1180
12/8/2021 18:00	1047	1047	1180	1180
12/8/2021 19:00	1047	1047	1180	1181
12/8/2021 20:00	1047	1047	1181	1185
12/8/2021 21:00	1047	1048	1185	1186
12/8/2021 22:00	1048	1048	1186	1188
12/8/2021 23:00	1048	1048	1188	1190
12/9/2021 0:00	1048	1048	1190	1191
12/9/2021 1:00	1048	1048	1186	1191
12/9/2021 2:00	1048	1048	1184	1186
12/9/2021 3:00	1048	1048	1185	1195
12/9/2021 4:00	1048	1048	1195	1200
12/9/2021 5:00	1048	1048	1200	1200
12/9/2021 6:00	1048	1048	1200	1200
12/9/2021 7:00	1048	1048	1200	1200
12/9/2021 8:00	1047	1048	1200	1200
12/9/2021 9:00	1047	1048	1200	1200
12/9/2021 10:00	1047	1048	1197	1200
12/9/2021 11:00	1047	1048	1194	1197
12/9/2021 12:00	1048	1048	1191	1194
12/9/2021 13:00	1048	1048	1190	1191
12/9/2021 14:00	1048	1048	1190	1190
12/9/2021 15:00	1048	1048	1190	1194
12/9/2021 16:00	1048	1048	1193	1194
12/9/2021 17:00	1048	1048	1189	1193
12/9/2021 18:00	1048	1048	1188	1189
12/9/2021 19:00	1048	1048	1189	1192
12/9/2021 20:00	1047	1048	1192	1192
12/9/2021 21:00	1047	1048	1192	1194
12/9/2021 22:00	1047	1048	1194	1200
12/9/2021 23:00	1047	1048	1200	1200
12/10/2021 0:00	1048	1048	1200	1200
12/10/2021 1:00	1047	1048	1200	1200
12/10/2021 2:00	1047	1047	1200	1200
12/10/2021 3:00	1047	1047	1200	1200
12/10/2021 4:00	1047	1047	1200	1200
12/10/2021 5:00	1047	1047	1200	1200
12/10/2021 6:00	1047	1047	1200	1200
12/10/2021 7:00	1047	1047	1200	1200
12/10/2021 8:00	1047	1047	1200	1200
12/10/2021 9:00	1047	1047	1200	1200
12/10/2021 10:00	1047	1047	1200	1200
12/10/2021 11:00	1047	1047	1200	1200
12/10/2021 12:00	1047	1047	1200	1200
12/10/2021 13:00	1047	1047	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
12/10/2021 14:00	1047	1047	1200	1200
12/10/2021 15:00	1047	1047	1200	1200
12/10/2021 16:00	1047	1047	1200	1200
12/10/2021 17:00	1046	1047	1200	1200
12/10/2021 18:00	1046	1046	1200	1200
12/10/2021 19:00	1046	1046	1200	1200
12/10/2021 20:00	1046	1047	1200	1200
12/10/2021 21:00	1046	1047	1200	1200
12/10/2021 22:00	1046	1046	1200	1200
12/10/2021 23:00	1046	1046	1200	1200
12/11/2021 0:00	1046	1046	1200	1200
12/11/2021 1:00	1045	1046	1200	1200
12/11/2021 2:00	1045	1045	1200	1200
12/11/2021 3:00	1045	1045	1200	1200
12/11/2021 4:00	1045	1045	1200	1200
12/11/2021 5:00	1045	1045	1200	1200
12/11/2021 6:00	1045	1045	1200	1200
12/11/2021 7:00	1045	1045	1200	1200
12/11/2021 8:00	1045	1045	1200	1200
12/11/2021 9:00	1045	1045	1200	1200
12/11/2021 10:00	1045	1045	1200	1200
12/11/2021 11:00	1045	1045	1200	1200
12/11/2021 12:00	1045	1046	1200	1200
12/11/2021 13:00	1046	1046	1200	1200
12/11/2021 14:00	1046	1046	1200	1200
12/11/2021 15:00	1046	1046	1200	1200
12/11/2021 16:00	1046	1046	1200	1200
12/11/2021 17:00	1045	1046	1200	1200
12/11/2021 18:00	1045	1046	1200	1200
12/11/2021 19:00	1046	1046	1200	1200
12/11/2021 20:00	1045	1046	1200	1200
12/11/2021 21:00	1045	1045	1200	1200
12/11/2021 22:00	1045	1045	1200	1200
12/11/2021 23:00	1045	1045	1200	1200
12/12/2021 0:00	1045	1045	1200	1200
12/12/2021 1:00	1045	1045	1200	1200
12/12/2021 2:00	1045	1045	1200	1200
12/12/2021 3:00	1045	1045	1200	1200
12/12/2021 4:00	1045	1045	1200	1200
12/12/2021 5:00	1045	1045	1200	1200
12/12/2021 6:00	1045	1045	1200	1200
12/12/2021 7:00	1045	1045	1200	1200
12/12/2021 8:00	1045	1045	1200	1200
12/12/2021 9:00	1045	1045	1200	1200
12/12/2021 10:00	1045	1045	1200	1200
12/12/2021 11:00	1045	1045	1200	1200
12/12/2021 12:00	1045	1045	1200	1200
12/12/2021 13:00	1045	1045	1200	1200
12/12/2021 14:00	1045	1045	1200	1200
12/12/2021 15:00	1045	1045	1200	1200
12/12/2021 16:00	1045	1045	1200	1200
12/12/2021 17:00	1045	1045	1200	1200
12/12/2021 18:00	1045	1045	1200	1200
12/12/2021 19:00	1045	1045	1200	1200
12/12/2021 20:00	1044	1045	1200	1200
12/12/2021 21:00	1044	1044	1200	1200
12/12/2021 22:00	1044	1044	1200	1200
12/12/2021 23:00	1044	1045	1200	1200
12/13/2021 0:00	1045	1045	1200	1200
12/13/2021 1:00	1045	1045	1200	1200
12/13/2021 2:00	1045	1045	1200	1200
12/13/2021 3:00	1045	1045	1200	1200
12/13/2021 4:00	1045	1046	1200	1200
12/13/2021 5:00	1046	1046	1200	1200
12/13/2021 6:00	1046	1046	1200	1200
12/13/2021 7:00	1046	1046	1200	1200
12/13/2021 8:00	1046	1046	1200	1200
12/13/2021 9:00	1046	1046	1200	1200
12/13/2021 10:00	1046	1046	1200	1200
12/13/2021 11:00	1046	1046	1200	1200
12/13/2021 12:00	1046	1046	1200	1200
12/13/2021 13:00	1046	1046	1200	1200
12/13/2021 14:00	1046	1046	1200	1200
12/13/2021 15:00	1046	1046	1200	1200
12/13/2021 16:00	1046	1046	1200	1200
12/13/2021 17:00	1046	1046	1200	1200
12/13/2021 18:00	1045	1046	1200	1200
12/13/2021 19:00	1045	1046	1200	1200
12/13/2021 20:00	1046	1046	1200	1200
12/13/2021 21:00	1045	1046	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
12/13/2021 22:00	1045	1046	1200	1200
12/13/2021 23:00	1046	1046	1200	1200
12/14/2021 0:00	1046	1046	1200	1200
12/14/2021 1:00	1045	1046	1200	1200
12/14/2021 2:00	1045	1045	1200	1200
12/14/2021 3:00	1045	1045	1200	1200
12/14/2021 4:00	1045	1046	1200	1200
12/14/2021 5:00	1046	1046	1200	1200
12/14/2021 6:00	1046	1046	1200	1200
12/14/2021 7:00	1046	1046	1200	1200
12/14/2021 8:00	1046	1046	1200	1200
12/14/2021 9:00	1046	1046	1200	1200
12/14/2021 10:00	1046	1046	1200	1200
12/14/2021 11:00	1046	1046	1200	1200
12/14/2021 12:00	1046	1046	1200	1200
12/14/2021 13:00	1046	1046	1199	1200
12/14/2021 14:00	1046	1046	1199	1200
12/14/2021 15:00	1046	1046	1200	1200
12/14/2021 16:00	1046	1046	1200	1200
12/14/2021 17:00	1046	1046	1200	1200
12/14/2021 18:00	1046	1046	1200	1200
12/14/2021 19:00	1046	1046	1200	1200
12/14/2021 20:00	1046	1046	1200	1200
12/14/2021 21:00	1046	1046	1200	1200
12/14/2021 22:00	1046	1047	1200	1200
12/14/2021 23:00	1046	1047	1200	1200
12/15/2021 0:00	1046	1047	1200	1200
12/15/2021 1:00	1047	1047	1200	1200
12/15/2021 2:00	1047	1047	1200	1200
12/15/2021 3:00	1047	1047	1200	1200
12/15/2021 4:00	1047	1047	1200	1200
12/15/2021 5:00	1047	1047	1199	1200
12/15/2021 6:00	1047	1047	1197	1199
12/15/2021 7:00	1047	1047	1197	1198
12/15/2021 8:00	1047	1047	1198	1198
12/15/2021 9:00	1047	1047	1196	1198
12/15/2021 10:00	1047	1047	1195	1196
12/15/2021 11:00	1047	1047	1195	1195
12/15/2021 12:00	1047	1047	1195	1196
12/15/2021 13:00	1047	1047	1194	1196
12/15/2021 14:00	1047	1047	1193	1194
12/15/2021 15:00	1047	1047	1190	1193
12/15/2021 16:00	1047	1047	1189	1190
12/15/2021 17:00	1047	1047	1189	1190
12/15/2021 18:00	1047	1047	1190	1191
12/15/2021 19:00	1047	1047	1191	1192
12/15/2021 20:00	1047	1047	1190	1192
12/15/2021 21:00	1047	1047	1190	1191
12/15/2021 22:00	1047	1047	1191	1194
12/15/2021 23:00	1047	1047	1193	1194
12/16/2021 0:00	1046	1047	1194	1197
12/16/2021 1:00	1046	1046	1197	1200
12/16/2021 2:00	1046	1046	1200	1200
12/16/2021 3:00	1046	1046	1200	1200
12/16/2021 4:00	1046	1046	1200	1200
12/16/2021 5:00	1046	1046	1200	1200
12/16/2021 6:00	1046	1046	1200	1200
12/16/2021 7:00	1046	1046	1200	1200
12/16/2021 8:00	1046	1046	1194	1200
12/16/2021 9:00	1046	1046	1194	1194
12/16/2021 10:00	1046	1046	1194	1195
12/16/2021 11:00	1046	1046	1193	1195
12/16/2021 12:00	1046	1046	1188	1193
12/16/2021 13:00	1046	1046	1187	1188
12/16/2021 14:00	1046	1046	1185	1187
12/16/2021 15:00	1046	1046	1184	1185
12/16/2021 16:00	1045	1046	1185	1188
12/16/2021 17:00	1045	1045	1187	1188
12/16/2021 18:00	1045	1045	1184	1187
12/16/2021 19:00	1045	1045	1184	1185
12/16/2021 20:00	1045	1045	1184	1184
12/16/2021 21:00	1045	1045	1183	1185
12/16/2021 22:00	1045	1045	1185	1189
12/16/2021 23:00	1045	1046	1169	1189
12/17/2021 0:00	1046	1046	1169	1174
12/17/2021 1:00	1046	1046	1174	1176
12/17/2021 2:00	1046	1046	1175	1178
12/17/2021 3:00	1046	1046	1166	1178
12/17/2021 4:00	1045	1046	1166	1178
12/17/2021 5:00	1045	1046	1178	1180

Xcel Energy
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/17/2021 6:00	1046	1046	1178	1179
12/17/2021 7:00	1046	1046	1178	1179
12/17/2021 8:00	1046	1046	1176	1179
12/17/2021 9:00	1046	1046	1171	1176
12/17/2021 10:00	1046	1046	1167	1171
12/17/2021 11:00	1046	1046	1167	1168
12/17/2021 12:00	1046	1046	1166	1168
12/17/2021 13:00	1046	1046	1164	1166
12/17/2021 14:00	1045	1046	1164	1165
12/17/2021 15:00	1045	1045	1163	1164
12/17/2021 16:00	1045	1046	1162	1163
12/17/2021 17:00	1045	1046	1163	1163
12/17/2021 18:00	1045	1046	1163	1165
12/17/2021 19:00	1046	1046	1165	1166
12/17/2021 20:00	1046	1046	1166	1166
12/17/2021 21:00	1046	1046	1166	1168
12/17/2021 22:00	1046	1046	1167	1171
12/17/2021 23:00	1046	1046	1171	1172
12/18/2021 0:00	1046	1046	1172	1174
12/18/2021 1:00	1046	1046	1173	1174
12/18/2021 2:00	1046	1046	1173	1179
12/18/2021 3:00	1046	1046	1179	1192
12/18/2021 4:00	1046	1046	1192	1193
12/18/2021 5:00	1046	1046	1193	1196
12/18/2021 6:00	1046	1046	1196	1200
12/18/2021 7:00	1046	1046	1198	1200
12/18/2021 8:00	1046	1046	1189	1198
12/18/2021 9:00	1046	1046	1180	1189
12/18/2021 10:00	1046	1046	1171	1180
12/18/2021 11:00	1046	1046	1167	1171
12/18/2021 12:00	1046	1046	1164	1167
12/18/2021 13:00	1045	1046	1164	1169
12/18/2021 14:00	1045	1045	1166	1169
12/18/2021 15:00	1044	1045	1160	1166
12/18/2021 16:00	1044	1044	1160	1164
12/18/2021 17:00	1044	1044	1164	1165
12/18/2021 18:00	1044	1044	1165	1166
12/18/2021 19:00	1044	1044	1166	1166
12/18/2021 20:00	1044	1045	1166	1166
12/18/2021 21:00	1045	1045	1166	1167
12/18/2021 22:00	1044	1045	1167	1168
12/18/2021 23:00	1043	1044	1168	1168
12/19/2021 0:00	1043	1043	1168	1168
12/19/2021 1:00	1042	1043	1168	1169
12/19/2021 2:00	1042	1042	1169	1170
12/19/2021 3:00	1042	1044	1170	1170
12/19/2021 4:00	1044	1044	1169	1170
12/19/2021 5:00	1044	1044	1169	1170
12/19/2021 6:00	1044	1044	1170	1171
12/19/2021 7:00	1044	1044	1171	1172
12/19/2021 8:00	1043	1044	1172	1172
12/19/2021 9:00	1042	1043	1171	1172
12/19/2021 10:00	1042	1042	1169	1171
12/19/2021 11:00	1042	1043	1169	1170
12/19/2021 12:00	1043	1043	1170	1170
12/19/2021 13:00	1043	1043	1169	1170
12/19/2021 14:00	1042	1043	1168	1169
12/19/2021 15:00	1042	1042	1167	1168
12/19/2021 16:00	1042	1043	1166	1167
12/19/2021 17:00	1043	1043	1167	1171
12/19/2021 18:00	1043	1043	1171	1175
12/19/2021 19:00	1043	1045	1175	1177
12/19/2021 20:00	1045	1046	1175	1178
12/19/2021 21:00	1046	1046	1173	1175
12/19/2021 22:00	1046	1046	1175	1177
12/19/2021 23:00	1046	1046	1172	1177
12/20/2021 0:00	1046	1046	1169	1172
12/20/2021 1:00	1046	1047	1169	1169
12/20/2021 2:00	1047	1047	1169	1171
12/20/2021 3:00	1047	1047	1171	1173
12/20/2021 4:00	1047	1047	1173	1175
12/20/2021 5:00	1047	1047	1175	1182
12/20/2021 6:00	1045	1047	1182	1191
12/20/2021 7:00	1043	1045	1191	1198
12/20/2021 8:00	1043	1043	1198	1200
12/20/2021 9:00	1041	1043	1196	1200
12/20/2021 10:00	1041	1041	1192	1196
12/20/2021 11:00	1041	1041	1192	1193
12/20/2021 12:00	1041	1041	1193	1195
12/20/2021 13:00	1041	1041	1195	1199

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/20/2021 14:00	1041	1042	1197	1199
12/20/2021 15:00	1042	1042	1196	1197
12/20/2021 16:00	1042	1042	1196	1198
12/20/2021 17:00	1042	1042	1198	1200
12/20/2021 18:00	1042	1042	1200	1200
12/20/2021 19:00	1042	1042	1200	1200
12/20/2021 20:00	1042	1042	1200	1200
12/20/2021 21:00	1042	1042	1200	1200
12/20/2021 22:00	1042	1042	1200	1200
12/20/2021 23:00	1042	1043	1200	1200
12/21/2021 0:00	1043	1043	1200	1200
12/21/2021 1:00	1043	1044	1200	1200
12/21/2021 2:00	1044	1044	1200	1200
12/21/2021 3:00	1044	1044	1200	1200
12/21/2021 4:00	1044	1044	1197	1200
12/21/2021 5:00	1044	1044	1196	1197
12/21/2021 6:00	1044	1044	1195	1196
12/21/2021 7:00	1044	1044	1190	1195
12/21/2021 8:00	1044	1045	1188	1190
12/21/2021 9:00	1045	1045	1186	1188
12/21/2021 10:00	1045	1045	1182	1186
12/21/2021 11:00	1045	1045	1181	1182
12/21/2021 12:00	1044	1045	1179	1181
12/21/2021 13:00	1043	1044	1177	1179
12/21/2021 14:00	1042	1043	1175	1177
12/21/2021 15:00	1041	1042	1175	1178
12/21/2021 16:00	1041	1041	1178	1182
12/21/2021 17:00	1041	1042	1182	1186
12/21/2021 18:00	1042	1042	1185	1186
12/21/2021 19:00	1042	1042	1184	1185
12/21/2021 20:00	1042	1042	1182	1184
12/21/2021 21:00	1041	1042	1180	1182
12/21/2021 22:00	1041	1041	1180	1180
12/21/2021 23:00	1041	1041	1180	1182
12/22/2021 0:00	1041	1041	1182	1183
12/22/2021 1:00	1041	1041	1183	1183
12/22/2021 2:00	1041	1041	1183	1184
12/22/2021 3:00	1041	1041	1180	1183
12/22/2021 4:00	1040	1041	1179	1180
12/22/2021 5:00	1040	1041	1178	1181
12/22/2021 6:00	1041	1041	1181	1184
12/22/2021 7:00	1041	1041	1183	1184
12/22/2021 8:00	1041	1041	1182	1183
12/22/2021 9:00	1040	1041	1181	1182
12/22/2021 10:00	1040	1040	1178	1181
12/22/2021 11:00	1040	1040	1174	1178
12/22/2021 12:00	1040	1041	1173	1174
12/22/2021 13:00	1041	1041	1171	1173
12/22/2021 14:00	1040	1041	1172	1174
12/22/2021 15:00	1040	1040	1171	1174
12/22/2021 16:00	1040	1041	1171	1171
12/22/2021 17:00	1041	1041	1171	1172
12/22/2021 18:00	1041	1041	1171	1173
12/22/2021 19:00	1041	1041	1171	1172
12/22/2021 20:00	1041	1041	1172	1174
12/22/2021 21:00	1041	1041	1173	1174
12/22/2021 22:00	1041	1041	1173	1174
12/22/2021 23:00	1041	1041	1173	1173
12/23/2021 0:00	1041	1041	1172	1173
12/23/2021 1:00	1041	1041	1171	1172
12/23/2021 2:00	1041	1041	1171	1182
12/23/2021 3:00	1041	1041	1182	1187
12/23/2021 4:00	1041	1041	1179	1187
12/23/2021 5:00	1041	1041	1178	1179
12/23/2021 6:00	1041	1041	1179	1183
12/23/2021 7:00	1041	1041	1183	1187
12/23/2021 8:00	1041	1042	1187	1190
12/23/2021 9:00	1042	1042	1190	1193
12/23/2021 10:00	1042	1042	1193	1194
12/23/2021 11:00	1042	1042	1192	1194
12/23/2021 12:00	1042	1042	1186	1192
12/23/2021 13:00	1042	1042	1184	1187
12/23/2021 14:00	1042	1042	1187	1192
12/23/2021 15:00	1042	1043	1192	1196
12/23/2021 16:00	1043	1043	1196	1196
12/23/2021 17:00	1043	1043	1196	1200
12/23/2021 18:00	1043	1043	1200	1200
12/23/2021 19:00	1043	1043	1200	1200
12/23/2021 20:00	1043	1043	1200	1200
12/23/2021 21:00	1043	1043	1200	1200

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/23/2021 22:00	1043	1043	1200	1200
12/23/2021 23:00	1043	1043	1198	1200
12/24/2021 0:00	1043	1043	1195	1198
12/24/2021 1:00	1043	1043	1195	1198
12/24/2021 2:00	1043	1043	1197	1198
12/24/2021 3:00	1043	1043	1198	1200
12/24/2021 4:00	1043	1043	1186	1199
12/24/2021 5:00	1043	1043	1184	1188
12/24/2021 6:00	1043	1043	1188	1194
12/24/2021 7:00	1042	1043	1192	1194
12/24/2021 8:00	1042	1042	1192	1194
12/24/2021 9:00	1041	1042	1194	1197
12/24/2021 10:00	1041	1042	1197	1198
12/24/2021 11:00	1042	1042	1197	1198
12/24/2021 12:00	1042	1042	1197	1198
12/24/2021 13:00	1042	1042	1198	1200
12/24/2021 14:00	1042	1042	1200	1200
12/24/2021 15:00	1042	1042	1196	1200
12/24/2021 16:00	1042	1043	1196	1196
12/24/2021 17:00	1043	1043	1194	1196
12/24/2021 18:00	1043	1043	1190	1194
12/24/2021 19:00	1043	1043	1189	1191
12/24/2021 20:00	1043	1043	1191	1195
12/24/2021 21:00	1043	1043	1195	1197
12/24/2021 22:00	1042	1043	1197	1198
12/24/2021 23:00	1042	1042	1198	1199
12/25/2021 0:00	1042	1043	1199	1200
12/25/2021 1:00	1043	1043	1200	1200
12/25/2021 2:00	1043	1043	1199	1200
12/25/2021 3:00	1043	1043	1199	1200
12/25/2021 4:00	1043	1043	1198	1200
12/25/2021 5:00	1042	1043	1196	1198
12/25/2021 6:00	1042	1042	1197	1197
12/25/2021 7:00	1042	1042	1197	1197
12/25/2021 8:00	1042	1042	1192	1197
12/25/2021 9:00	1042	1042	1192	1192
12/25/2021 10:00	1042	1042	1189	1192
12/25/2021 11:00	1042	1042	1188	1189
12/25/2021 12:00	1042	1042	1181	1188
12/25/2021 13:00	1041	1042	1176	1181
12/25/2021 14:00	1041	1042	1176	1177
12/25/2021 15:00	1041	1042	1176	1178
12/25/2021 16:00	1041	1041	1178	1179
12/25/2021 17:00	1041	1041	1176	1179
12/25/2021 18:00	1041	1041	1174	1176
12/25/2021 19:00	1041	1041	1174	1174
12/25/2021 20:00	1041	1041	1174	1175
12/25/2021 21:00	1041	1041	1175	1177
12/25/2021 22:00	1041	1041	1175	1177
12/25/2021 23:00	1040	1041	1177	1180
12/26/2021 0:00	1040	1040	1175	1180
12/26/2021 1:00	1040	1040	1175	1177
12/26/2021 2:00	1040	1041	1171	1177
12/26/2021 3:00	1041	1041	1168	1171
12/26/2021 4:00	1041	1041	1167	1169
12/26/2021 5:00	1041	1041	1167	1169
12/26/2021 6:00	1041	1041	1165	1167
12/26/2021 7:00	1041	1041	1165	1165
12/26/2021 8:00	1040	1041	1165	1167
12/26/2021 9:00	1040	1040	1166	1167
12/26/2021 10:00	1040	1041	1166	1166
12/26/2021 11:00	1041	1041	1166	1166
12/26/2021 12:00	1040	1041	1162	1166
12/26/2021 13:00	1040	1040	1162	1163
12/26/2021 14:00	1040	1040	1163	1164
12/26/2021 15:00	1040	1041	1163	1164
12/26/2021 16:00	1040	1041	1162	1163
12/26/2021 17:00	1040	1040	1162	1165
12/26/2021 18:00	1039	1040	1165	1165
12/26/2021 19:00	1039	1040	1165	1166
12/26/2021 20:00	1040	1041	1166	1167
12/26/2021 21:00	1041	1041	1167	1167
12/26/2021 22:00	1041	1041	1167	1168
12/26/2021 23:00	1041	1042	1166	1168
12/27/2021 0:00	1041	1042	1165	1166
12/27/2021 1:00	1041	1041	1165	1167
12/27/2021 2:00	1041	1041	1167	1169
12/27/2021 3:00	1041	1042	1169	1169
12/27/2021 4:00	1041	1042	1167	1169
12/27/2021 5:00	1040	1041	1167	1170

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/27/2021 6:00	1040	1041	1170	1171
12/27/2021 7:00	1040	1041	1170	1171
12/27/2021 8:00	1040	1041	1170	1171
12/27/2021 9:00	1040	1041	1171	1172
12/27/2021 10:00	1041	1041	1172	1172
12/27/2021 11:00	1041	1041	1172	1173
12/27/2021 12:00	1041	1041	1171	1173
12/27/2021 13:00	1041	1041	1170	1171
12/27/2021 14:00	1040	1041	1170	1170
12/27/2021 15:00	1040	1040	1169	1170
12/27/2021 16:00	1040	1040	1169	1172
12/27/2021 17:00	1039	1040	1172	1173
12/27/2021 18:00	1039	1039	1169	1172
12/27/2021 19:00	1039	1040	1167	1169
12/27/2021 20:00	1040	1040	1167	1167
12/27/2021 21:00	1040	1040	1165	1167
12/27/2021 22:00	1040	1040	1165	1165
12/27/2021 23:00	1040	1040	1165	1166
12/28/2021 0:00	1039	1040	1166	1167
12/28/2021 1:00	1039	1039	1162	1166
12/28/2021 2:00	1039	1039	1162	1165
12/28/2021 3:00	1039	1039	1165	1169
12/28/2021 4:00	1038	1039	1169	1172
12/28/2021 5:00	1038	1038	1172	1174
12/28/2021 6:00	1038	1039	1174	1175
12/28/2021 7:00	1039	1039	1174	1175
12/28/2021 8:00	1039	1039	1173	1175
12/28/2021 9:00	1039	1039	1173	1173
12/28/2021 10:00	1038	1039	1173	1178
12/28/2021 11:00	1038	1039	1178	1178
12/28/2021 12:00	1039	1039	1178	1179
12/28/2021 13:00	1039	1039	1178	1178
12/28/2021 14:00	1039	1039	1176	1178
12/28/2021 15:00	1039	1039	1176	1176
12/28/2021 16:00	1039	1039	1176	1177
12/28/2021 17:00	1039	1039	1177	1178
12/28/2021 18:00	1039	1040	1178	1178
12/28/2021 19:00	1039	1040	1178	1180
12/28/2021 20:00	1039	1040	1179	1179
12/28/2021 21:00	1039	1040	1179	1180
12/28/2021 22:00	1039	1039	1180	1181
12/28/2021 23:00	1039	1040	1181	1181
12/29/2021 0:00	1039	1040	1179	1181
12/29/2021 1:00	1039	1039	1179	1182
12/29/2021 2:00	1039	1040	1171	1179
12/29/2021 3:00	1039	1040	1169	1172
12/29/2021 4:00	1039	1039	1167	1169
12/29/2021 5:00	1039	1039	1167	1168
12/29/2021 6:00	1039	1039	1166	1168
12/29/2021 7:00	1039	1039	1165	1166
12/29/2021 8:00	1039	1039	1164	1165
12/29/2021 9:00	1039	1040	1163	1164
12/29/2021 10:00	1039	1040	1163	1163
12/29/2021 11:00	1039	1039	1163	1165
12/29/2021 12:00	1039	1039	1163	1165
12/29/2021 13:00	1039	1039	1162	1163
12/29/2021 14:00	1039	1040	1162	1165
12/29/2021 15:00	1039	1040	1165	1166
12/29/2021 16:00	1039	1039	1166	1172
12/29/2021 17:00	1039	1039	1170	1172
12/29/2021 18:00	1039	1040	1170	1173
12/29/2021 19:00	1039	1040	1173	1174
12/29/2021 20:00	1039	1039	1174	1184
12/29/2021 21:00	1037	1039	1178	1184
12/29/2021 22:00	1036	1037	1175	1178
12/29/2021 23:00	1036	1037	1167	1175
12/30/2021 0:00	1037	1037	1166	1167
12/30/2021 1:00	1037	1038	1166	1166
12/30/2021 2:00	1038	1038	1164	1166
12/30/2021 3:00	1038	1038	1163	1165
12/30/2021 4:00	1038	1039	1160	1163
12/30/2021 5:00	1039	1039	1159	1160
12/30/2021 6:00	1039	1040	1159	1159
12/30/2021 7:00	1040	1040	1159	1160
12/30/2021 8:00	1039	1040	1158	1161
12/30/2021 9:00	1038	1039	1155	1158
12/30/2021 10:00	1038	1038	1155	1155
12/30/2021 11:00	1038	1038	1155	1156
12/30/2021 12:00	1038	1038	1156	1156
12/30/2021 13:00	1038	1038	1152	1156

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
12/30/2021 14:00	1038	1038	1148	1152
12/30/2021 15:00	1038	1038	1148	1150
12/30/2021 16:00	1038	1038	1149	1151
12/30/2021 17:00	1038	1038	1150	1151
12/30/2021 18:00	1038	1038	1150	1152
12/30/2021 19:00	1038	1039	1151	1152
12/30/2021 20:00	1039	1039	1151	1152
12/30/2021 21:00	1039	1039	1151	1152
12/30/2021 22:00	1038	1039	1150	1151
12/30/2021 23:00	1038	1039	1150	1151
12/31/2021 0:00	1038	1039	1151	1153
12/31/2021 1:00	1038	1038	1153	1155
12/31/2021 2:00	1038	1038	1155	1158
12/31/2021 3:00	1038	1038	1158	1158
12/31/2021 4:00	1038	1038	1158	1159
12/31/2021 5:00	1038	1038	1159	1160
12/31/2021 6:00	1038	1039	1160	1161
12/31/2021 7:00	1039	1039	1161	1162
12/31/2021 8:00	1038	1039	1161	1162
12/31/2021 9:00	1038	1039	1159	1161
12/31/2021 10:00	1039	1039	1159	1160
12/31/2021 11:00	1039	1039	1159	1160
12/31/2021 12:00	1039	1039	1156	1159
12/31/2021 13:00	1039	1039	1155	1156
12/31/2021 14:00	1039	1039	1155	1156
12/31/2021 15:00	1038	1039	1156	1156
12/31/2021 16:00	1037	1038	1156	1159
12/31/2021 17:00	1036	1037	1159	1159
12/31/2021 18:00	1035	1036	1159	1160
12/31/2021 19:00	1035	1035	1160	1161
12/31/2021 20:00	1035	1036	1160	1161
12/31/2021 21:00	1036	1038	1160	1163
12/31/2021 22:00	1038	1038	1162	1163
12/31/2021 23:00	1038	1039	1162	1165