



825 Rice Street
Saint Paul, MN 55117

January 19, 2023

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 2022 as required by N.D. PU-22-14.

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 Gas 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
12/1/2022 0:00	1044	1044	1181	1184
12/1/2022 1:00	1044	1044	1181	1182
12/1/2022 2:00	1044	1044	1180	1181
12/1/2022 3:00	1044	1044	1179	1180
12/1/2022 4:00	1044	1044	1178	1179
12/1/2022 5:00	1044	1044	1177	1179
12/1/2022 6:00	1043	1044	1177	1179
12/1/2022 7:00	1043	1043	1177	1180
12/1/2022 8:00	1043	1043	1178	1180
12/1/2022 9:00	1043	1043	1177	1180
12/1/2022 10:00	1043	1043	1178	1180
12/1/2022 11:00	1043	1043	1175	1178
12/1/2022 12:00	1043	1043	1173	1175
12/1/2022 13:00	1042	1043	1170	1173
12/1/2022 14:00	1042	1042	1167	1170
12/1/2022 15:00	1042	1042	1167	1168
12/1/2022 16:00	1042	1043	1168	1172
12/1/2022 17:00	1043	1043	1171	1178
12/1/2022 18:00	1043	1043	1178	1178
12/1/2022 19:00	1043	1043	1178	1181
12/1/2022 20:00	1043	1043	1180	1183
12/1/2022 21:00	1043	1044	1180	1183
12/1/2022 22:00	1043	1044	1179	1181
12/1/2022 23:00	1043	1043	1180	1182
12/2/2022 0:00	1043	1044	1179	1180
12/2/2022 1:00	1044	1044	1176	1179
12/2/2022 2:00	1044	1045	1175	1177
12/2/2022 3:00	1045	1045	1177	1179
12/2/2022 4:00	1044	1045	1178	1178
12/2/2022 5:00	1044	1044	1178	1180
12/2/2022 6:00	1044	1045	1180	1180
12/2/2022 7:00	1045	1046	1180	1180
12/2/2022 8:00	1046	1046	1180	1180
12/2/2022 9:00	1046	1046	1180	1182
12/2/2022 10:00	1045	1046	1182	1182
12/2/2022 11:00	1045	1045	1182	1182
12/2/2022 12:00	1044	1045	1178	1182
12/2/2022 13:00	1044	1044	1177	1181
12/2/2022 14:00	1044	1044	1181	1188
12/2/2022 15:00	1044	1044	1188	1190
12/2/2022 16:00	1044	1044	1188	1189
12/2/2022 17:00	1044	1044	1188	1189
12/2/2022 18:00	1044	1044	1189	1189
12/2/2022 19:00	1044	1044	1189	1190
12/2/2022 20:00	1044	1044	1190	1197
12/2/2022 21:00	1044	1044	1191	1197
12/2/2022 22:00	1044	1044	1185	1191
12/2/2022 23:00	1044	1045	1185	1198
12/3/2022 0:00	1044	1045	1183	1198
12/3/2022 1:00	1044	1044	1183	1183
12/3/2022 2:00	1044	1044	1180	1183
12/3/2022 3:00	1044	1044	1180	1185
12/3/2022 4:00	1044	1045	1184	1186
12/3/2022 5:00	1045	1045	1180	1185
12/3/2022 6:00	1045	1045	1177	1180
12/3/2022 7:00	1045	1045	1177	1177
12/3/2022 8:00	1045	1046	1176	1177
12/3/2022 9:00	1046	1046	1175	1177
12/3/2022 10:00	1046	1046	1176	1177
12/3/2022 11:00	1046	1046	1172	1176
12/3/2022 12:00	1046	1046	1174	1178
12/3/2022 13:00	1046	1046	1174	1178
12/3/2022 14:00	1046	1046	1170	1174
12/3/2022 15:00	1046	1046	1169	1170
12/3/2022 16:00	1046	1046	1168	1170
12/3/2022 17:00	1046	1046	1167	1168
12/3/2022 18:00	1044	1046	1165	1168
12/3/2022 19:00	1044	1044	1160	1165
12/3/2022 20:00	1044	1044	1162	1165
12/3/2022 21:00	1044	1045	1165	1167
12/3/2022 22:00	1043	1045	1167	1167
12/3/2022 23:00	1042	1043	1167	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
12/4/2022 0:00	1042	1042	1167	1169
12/4/2022 1:00	1042	1042	1169	1170
12/4/2022 2:00	1042	1042	1170	1170
12/4/2022 3:00	1042	1042	1170	1172
12/4/2022 4:00	1042	1042	1170	1172
12/4/2022 5:00	1042	1042	1170	1171
12/4/2022 6:00	1042	1042	1171	1172
12/4/2022 7:00	1042	1042	1172	1175
12/4/2022 8:00	1042	1043	1175	1178
12/4/2022 9:00	1043	1043	1177	1178
12/4/2022 10:00	1043	1043	1173	1177
12/4/2022 11:00	1042	1043	1173	1175
12/4/2022 12:00	1042	1043	1175	1179
12/4/2022 13:00	1043	1043	1177	1180
12/4/2022 14:00	1043	1044	1177	1179
12/4/2022 15:00	1043	1044	1179	1182
12/4/2022 16:00	1043	1043	1178	1182
12/4/2022 17:00	1043	1043	1177	1178
12/4/2022 18:00	1043	1043	1178	1179
12/4/2022 19:00	1042	1043	1179	1183
12/4/2022 20:00	1042	1043	1182	1187
12/4/2022 21:00	1043	1043	1187	1192
12/4/2022 22:00	1043	1043	1191	1192
12/4/2022 23:00	1043	1043	1191	1192
12/5/2022 0:00	1043	1043	1188	1192
12/5/2022 1:00	1043	1043	1187	1188
12/5/2022 2:00	1043	1044	1185	1187
12/5/2022 3:00	1044	1044	1184	1185
12/5/2022 4:00	1044	1044	1185	1187
12/5/2022 5:00	1044	1044	1187	1188
12/5/2022 6:00	1044	1045	1186	1188
12/5/2022 7:00	1045	1046	1186	1189
12/5/2022 8:00	1046	1046	1188	1190
12/5/2022 9:00	1046	1046	1190	1192
12/5/2022 10:00	1046	1046	1191	1195
12/5/2022 11:00	1046	1046	1190	1193
12/5/2022 12:00	1046	1046	1190	1192
12/5/2022 13:00	1046	1046	1192	1195
12/5/2022 14:00	1046	1046	1195	1196
12/5/2022 15:00	1046	1046	1193	1196
12/5/2022 16:00	1046	1046	1191	1193
12/5/2022 17:00	1046	1046	1192	1194
12/5/2022 18:00	1046	1046	1194	1195
12/5/2022 19:00	1046	1046	1195	1199
12/5/2022 20:00	1046	1046	1199	1200
12/5/2022 21:00	1046	1046	1200	1200
12/5/2022 22:00	1046	1047	1200	1200
12/5/2022 23:00	1047	1047	1200	1200
12/6/2022 0:00	1047	1047	1200	1200
12/6/2022 1:00	1046	1047	1200	1200
12/6/2022 2:00	1046	1046	1200	1200
12/6/2022 3:00	1046	1046	1200	1200
12/6/2022 4:00	1046	1046	1200	1200
12/6/2022 5:00	1046	1047	1200	1200
12/6/2022 6:00	1047	1047	1197	1200
12/6/2022 7:00	1047	1047	1196	1197
12/6/2022 8:00	1047	1047	1193	1196
12/6/2022 9:00	1047	1047	1190	1193
12/6/2022 10:00	1047	1048	1190	1193
12/6/2022 11:00	1048	1048	1187	1192
12/6/2022 12:00	1048	1048	1187	1189
12/6/2022 13:00	1048	1048	1189	1193
12/6/2022 14:00	1048	1048	1191	1193
12/6/2022 15:00	1048	1048	1191	1193
12/6/2022 16:00	1048	1049	1189	1193
12/6/2022 17:00	1049	1049	1188	1189
12/6/2022 18:00	1049	1049	1184	1188
12/6/2022 19:00	1049	1049	1181	1184
12/6/2022 20:00	1049	1049	1183	1194
12/6/2022 21:00	1049	1049	1194	1194
12/6/2022 22:00	1049	1049	1191	1194
12/6/2022 23:00	1049	1049	1191	1192
12/7/2022 0:00	1049	1049	1190	1192
12/7/2022 1:00	1049	1049	1184	1190
12/7/2022 2:00	1049	1049	1184	1185
12/7/2022 3:00	1049	1049	1179	1184
12/7/2022 4:00	1049	1049	1179	1181
12/7/2022 5:00	1049	1049	1180	1181
12/7/2022 6:00	1049	1049	1180	1181
12/7/2022 7:00	1049	1049	1180	1181

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
12/7/2022 8:00	1049	1049	1179	1180
12/7/2022 9:00	1049	1049	1177	1179
12/7/2022 10:00	1048	1049	1175	1177
12/7/2022 11:00	1048	1048	1175	1175
12/7/2022 12:00	1048	1048	1174	1175
12/7/2022 13:00	1048	1048	1173	1174
12/7/2022 14:00	1048	1048	1171	1174
12/7/2022 15:00	1048	1048	1170	1171
12/7/2022 16:00	1048	1048	1170	1173
12/7/2022 17:00	1048	1048	1173	1174
12/7/2022 18:00	1048	1048	1173	1174
12/7/2022 19:00	1048	1048	1173	1174
12/7/2022 20:00	1048	1048	1173	1175
12/7/2022 21:00	1048	1048	1172	1173
12/7/2022 22:00	1048	1048	1172	1173
12/7/2022 23:00	1048	1048	1173	1174
12/8/2022 0:00	1048	1048	1172	1174
12/8/2022 1:00	1048	1048	1168	1172
12/8/2022 2:00	1048	1048	1168	1169
12/8/2022 3:00	1048	1048	1168	1169
12/8/2022 4:00	1047	1048	1166	1168
12/8/2022 5:00	1047	1047	1166	1168
12/8/2022 6:00	1047	1047	1167	1169
12/8/2022 7:00	1047	1047	1168	1169
12/8/2022 8:00	1047	1047	1167	1168
12/8/2022 9:00	1046	1047	1166	1168
12/8/2022 10:00	1046	1046	1164	1166
12/8/2022 11:00	1046	1046	1164	1165
12/8/2022 12:00	1046	1046	1164	1167
12/8/2022 13:00	1046	1046	1167	1170
12/8/2022 14:00	1046	1046	1168	1169
12/8/2022 15:00	1046	1046	1168	1169
12/8/2022 16:00	1046	1046	1169	1171
12/8/2022 17:00	1046	1047	1171	1173
12/8/2022 18:00	1046	1046	1173	1173
12/8/2022 19:00	1046	1046	1172	1174
12/8/2022 20:00	1046	1046	1174	1177
12/8/2022 21:00	1046	1046	1176	1179
12/8/2022 22:00	1046	1046	1179	1185
12/8/2022 23:00	1046	1046	1185	1187
12/9/2022 0:00	1046	1046	1180	1187
12/9/2022 1:00	1046	1046	1179	1181
12/9/2022 2:00	1046	1046	1180	1181
12/9/2022 3:00	1046	1046	1180	1181
12/9/2022 4:00	1046	1046	1179	1181
12/9/2022 5:00	1046	1046	1181	1184
12/9/2022 6:00	1044	1046	1184	1187
12/9/2022 7:00	1044	1044	1187	1187
12/9/2022 8:00	1043	1044	1187	1189
12/9/2022 9:00	1043	1043	1189	1191
12/9/2022 10:00	1042	1043	1185	1191
12/9/2022 11:00	1042	1042	1185	1185
12/9/2022 12:00	1041	1042	1185	1191
12/9/2022 13:00	1041	1041	1187	1194
12/9/2022 14:00	1041	1041	1182	1187
12/9/2022 15:00	1041	1041	1178	1182
12/9/2022 16:00	1041	1041	1178	1185
12/9/2022 17:00	1041	1041	1185	1190
12/9/2022 18:00	1041	1041	1190	1193
12/9/2022 19:00	1041	1041	1192	1193
12/9/2022 20:00	1041	1041	1192	1195
12/9/2022 21:00	1041	1041	1195	1197
12/9/2022 22:00	1041	1041	1197	1198
12/9/2022 23:00	1041	1041	1198	1198
12/10/2022 0:00	1041	1041	1195	1198
12/10/2022 1:00	1041	1041	1192	1195
12/10/2022 2:00	1041	1041	1189	1192
12/10/2022 3:00	1041	1041	1183	1189
12/10/2022 4:00	1041	1042	1181	1183
12/10/2022 5:00	1042	1043	1182	1183
12/10/2022 6:00	1043	1043	1183	1185
12/10/2022 7:00	1043	1044	1183	1185
12/10/2022 8:00	1044	1045	1184	1186
12/10/2022 9:00	1045	1046	1184	1189
12/10/2022 10:00	1046	1047	1188	1189
12/10/2022 11:00	1047	1048	1183	1188
12/10/2022 12:00	1048	1048	1183	1185
12/10/2022 13:00	1048	1048	1184	1185
12/10/2022 14:00	1048	1048	1180	1184
12/10/2022 15:00	1048	1049	1180	1182

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
12/10/2022 16:00	1049	1049	1181	1185
12/10/2022 17:00	1049	1049	1185	1189
12/10/2022 18:00	1049	1049	1189	1191
12/10/2022 19:00	1049	1050	1191	1192
12/10/2022 20:00	1050	1050	1191	1193
12/10/2022 21:00	1050	1050	1188	1193
12/10/2022 22:00	1050	1051	1188	1189
12/10/2022 23:00	1051	1051	1188	1188
12/11/2022 0:00	1051	1052	1188	1190
12/11/2022 1:00	1052	1053	1190	1193
12/11/2022 2:00	1053	1053	1192	1194
12/11/2022 3:00	1053	1053	1194	1194
12/11/2022 4:00	1053	1054	1194	1196
12/11/2022 5:00	1054	1054	1195	1196
12/11/2022 6:00	1054	1055	1196	1196
12/11/2022 7:00	1055	1055	1195	1196
12/11/2022 8:00	1055	1055	1193	1195
12/11/2022 9:00	1055	1055	1191	1193
12/11/2022 10:00	1054	1055	1191	1194
12/11/2022 11:00	1052	1054	1194	1194
12/11/2022 12:00	1051	1052	1192	1194
12/11/2022 13:00	1050	1051	1192	1200
12/11/2022 14:00	1050	1050	1197	1200
12/11/2022 15:00	1049	1050	1193	1197
12/11/2022 16:00	1048	1049	1195	1197
12/11/2022 17:00	1048	1048	1193	1197
12/11/2022 18:00	1048	1048	1193	1196
12/11/2022 19:00	1048	1049	1192	1196
12/11/2022 20:00	1049	1049	1190	1192
12/11/2022 21:00	1049	1049	1189	1192
12/11/2022 22:00	1049	1049	1192	1198
12/11/2022 23:00	1049	1049	1198	1199
12/12/2022 0:00	1049	1049	1199	1200
12/12/2022 1:00	1049	1050	1200	1200
12/12/2022 2:00	1050	1050	1200	1200
12/12/2022 3:00	1050	1050	1200	1200
12/12/2022 4:00	1050	1050	1189	1200
12/12/2022 5:00	1050	1050	1189	1190
12/12/2022 6:00	1049	1050	1187	1192
12/12/2022 7:00	1049	1049	1185	1187
12/12/2022 8:00	1049	1049	1185	1186
12/12/2022 9:00	1049	1049	1186	1194
12/12/2022 10:00	1049	1049	1194	1195
12/12/2022 11:00	1049	1049	1189	1194
12/12/2022 12:00	1049	1049	1189	1190
12/12/2022 13:00	1049	1049	1190	1191
12/12/2022 14:00	1049	1049	1188	1191
12/12/2022 15:00	1049	1049	1188	1189
12/12/2022 16:00	1049	1049	1188	1189
12/12/2022 17:00	1049	1049	1189	1192
12/12/2022 18:00	1049	1049	1191	1192
12/12/2022 19:00	1049	1049	1192	1195
12/12/2022 20:00	1049	1049	1194	1195
12/12/2022 21:00	1049	1049	1194	1196
12/12/2022 22:00	1049	1049	1196	1198
12/12/2022 23:00	1049	1049	1197	1198
12/13/2022 0:00	1049	1049	1198	1198
12/13/2022 1:00	1049	1049	1198	1198
12/13/2022 2:00	1049	1049	1198	1200
12/13/2022 3:00	1049	1049	1200	1200
12/13/2022 4:00	1049	1049	1200	1200
12/13/2022 5:00	1049	1049	1200	1200
12/13/2022 6:00	1049	1049	1200	1200
12/13/2022 7:00	1049	1049	1199	1200
12/13/2022 8:00	1049	1049	1198	1200
12/13/2022 9:00	1049	1049	1198	1199
12/13/2022 10:00	1049	1049	1199	1199
12/13/2022 11:00	1049	1049	1199	1200
12/13/2022 11:00	1049	1049	1199	1199
12/13/2022 12:00	1049	1049	1200	1200
12/13/2022 12:00	1049	1049	1200	1200
12/13/2022 13:00	1049	1049	1199	1200
12/13/2022 14:00	1049	1049	1195	1199
12/13/2022 15:00	1049	1049	1195	1195
12/13/2022 16:00	1049	1049	1195	1197
12/13/2022 17:00	1049	1049	1197	1200
12/13/2022 18:00	1049	1049	1197	1200
12/13/2022 19:00	1049	1049	1197	1197
12/13/2022 20:00	1049	1049	1197	1198
12/13/2022 21:00	1049	1049	1197	1199

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
12/13/2022 22:00	1049	1050	1196	1198
12/13/2022 23:00	1049	1050	1197	1197
12/14/2022 0:00	1049	1049	1196	1197
12/14/2022 1:00	1049	1049	1195	1196
12/14/2022 2:00	1049	1050	1195	1196
12/14/2022 3:00	1050	1050	1196	1196
12/14/2022 4:00	1049	1050	1195	1196
12/14/2022 5:00	1049	1049	1196	1197
12/14/2022 6:00	1049	1049	1196	1197
12/14/2022 7:00	1049	1049	1192	1196
12/14/2022 8:00	1049	1049	1192	1193
12/14/2022 9:00	1049	1049	1192	1193
12/14/2022 10:00	1049	1049	1192	1193
12/14/2022 11:00	1049	1049	1193	1194
12/14/2022 12:00	1049	1049	1194	1194
12/14/2022 13:00	1048	1049	1193	1194
12/14/2022 14:00	1048	1048	1193	1195
12/14/2022 15:00	1048	1049	1195	1196
12/14/2022 16:00	1049	1049	1194	1196
12/14/2022 17:00	1048	1049	1193	1194
12/14/2022 18:00	1048	1048	1193	1195
12/14/2022 19:00	1048	1048	1194	1195
12/14/2022 20:00	1048	1048	1194	1194
12/14/2022 21:00	1048	1049	1194	1194
12/14/2022 22:00	1049	1049	1194	1197
12/14/2022 23:00	1049	1050	1197	1200
12/15/2022 0:00	1050	1052	1198	1200
12/15/2022 1:00	1052	1053	1198	1199
12/15/2022 2:00	1053	1054	1199	1200
12/15/2022 3:00	1054	1055	1197	1200
12/15/2022 4:00	1055	1056	1197	1198
12/15/2022 5:00	1056	1056	1198	1199
12/15/2022 6:00	1056	1056	1197	1198
12/15/2022 7:00	1055	1056	1198	1198
12/15/2022 8:00	1055	1055	1198	1200
12/15/2022 9:00	1055	1055	1197	1199
12/15/2022 10:00	1055	1055	1196	1197
12/15/2022 11:00	1055	1055	1196	1197
12/15/2022 12:00	1055	1055	1197	1198
12/15/2022 13:00	1055	1055	1198	1199
12/15/2022 14:00	1055	1055	1198	1199
12/15/2022 15:00	1055	1055	1196	1198
12/15/2022 16:00	1055	1055	1195	1197
12/15/2022 17:00	1055	1055	1195	1196
12/15/2022 18:00	1055	1055	1195	1196
12/15/2022 19:00	1055	1055	1196	1197
12/15/2022 20:00	1055	1055	1196	1197
12/15/2022 21:00	1055	1055	1197	1199
12/15/2022 22:00	1055	1055	1197	1198
12/15/2022 23:00	1055	1055	1197	1197
12/16/2022 0:00	1055	1056	1197	1198
12/16/2022 1:00	1056	1056	1198	1200
12/16/2022 2:00	1056	1056	1200	1200
12/16/2022 3:00	1056	1056	1200	1200
12/16/2022 4:00	1056	1056	1200	1200
12/16/2022 5:00	1056	1057	1200	1200
12/16/2022 6:00	1057	1057	1200	1200
12/16/2022 7:00	1057	1057	1200	1200
12/16/2022 8:00	1057	1057	1200	1200
12/16/2022 9:00	1057	1057	1200	1200
12/16/2022 10:00	1057	1057	1198	1200
12/16/2022 11:00	1057	1057	1194	1198
12/16/2022 12:00	1057	1057	1196	1200
12/16/2022 13:00	1057	1057	1196	1200
12/16/2022 14:00	1057	1057	1194	1196
12/16/2022 15:00	1057	1057	1192	1194
12/16/2022 16:00	1057	1057	1192	1195
12/16/2022 17:00	1057	1058	1194	1195
12/16/2022 18:00	1057	1058	1191	1194
12/16/2022 19:00	1057	1057	1189	1191
12/16/2022 20:00	1057	1057	1189	1189
12/16/2022 21:00	1057	1057	1189	1192
12/16/2022 22:00	1057	1058	1192	1194
12/16/2022 23:00	1058	1058	1193	1194
12/17/2022 0:00	1058	1058	1193	1195
12/17/2022 1:00	1058	1058	1195	1196
12/17/2022 2:00	1058	1058	1192	1196
12/17/2022 3:00	1058	1058	1192	1193
12/17/2022 4:00	1058	1058	1193	1195
12/17/2022 5:00	1058	1058	1193	1195

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/17/2022 6:00	1058	1058	1195	1196
12/17/2022 7:00	1058	1058	1196	1199
12/17/2022 8:00	1058	1058	1195	1197
12/17/2022 9:00	1058	1058	1193	1195
12/17/2022 10:00	1057	1058	1188	1193
12/17/2022 11:00	1056	1057	1183	1188
12/17/2022 12:00	1056	1056	1183	1184
12/17/2022 13:00	1055	1056	1179	1183
12/17/2022 14:00	1053	1055	1178	1180
12/17/2022 15:00	1052	1053	1178	1178
12/17/2022 16:00	1052	1052	1177	1178
12/17/2022 17:00	1051	1052	1177	1177
12/17/2022 18:00	1051	1051	1177	1178
12/17/2022 19:00	1050	1051	1177	1178
12/17/2022 20:00	1047	1050	1174	1177
12/17/2022 21:00	1047	1047	1172	1174
12/17/2022 22:00	1045	1047	1172	1173
12/17/2022 23:00	1045	1045	1171	1173
12/18/2022 0:00	1044	1045	1171	1177
12/18/2022 1:00	1043	1044	1177	1182
12/18/2022 2:00	1043	1043	1181	1185
12/18/2022 3:00	1043	1043	1185	1187
12/18/2022 4:00	1043	1043	1185	1188
12/18/2022 5:00	1043	1043	1188	1189
12/18/2022 6:00	1043	1043	1189	1193
12/18/2022 7:00	1042	1043	1192	1193
12/18/2022 8:00	1042	1042	1191	1193
12/18/2022 9:00	1042	1042	1189	1191
12/18/2022 10:00	1042	1043	1191	1193
12/18/2022 11:00	1043	1043	1190	1193
12/18/2022 12:00	1043	1043	1181	1190
12/18/2022 13:00	1043	1043	1180	1181
12/18/2022 14:00	1043	1044	1178	1181
12/18/2022 15:00	1043	1044	1178	1181
12/18/2022 16:00	1043	1043	1180	1183
12/18/2022 17:00	1043	1044	1180	1188
12/18/2022 18:00	1044	1044	1187	1188
12/18/2022 19:00	1044	1044	1184	1187
12/18/2022 20:00	1044	1044	1182	1185
12/18/2022 21:00	1044	1044	1182	1188
12/18/2022 22:00	1044	1044	1175	1188
12/18/2022 23:00	1044	1044	1166	1175
12/19/2022 0:00	1044	1044	1165	1166
12/19/2022 1:00	1044	1044	1163	1165
12/19/2022 2:00	1043	1044	1159	1163
12/19/2022 3:00	1043	1043	1159	1162
12/19/2022 4:00	1043	1043	1160	1162
12/19/2022 5:00	1043	1043	1160	1163
12/19/2022 6:00	1043	1044	1162	1163
12/19/2022 7:00	1043	1044	1161	1162
12/19/2022 8:00	1043	1043	1157	1162
12/19/2022 9:00	1043	1044	1157	1157
12/19/2022 10:00	1043	1044	1157	1161
12/19/2022 11:00	1043	1043	1161	1166
12/19/2022 12:00	1043	1043	1166	1167
12/19/2022 13:00	1043	1043	1167	1169
12/19/2022 14:00	1043	1043	1167	1169
12/19/2022 15:00	1043	1043	1161	1167
12/19/2022 16:00	1043	1043	1162	1163
12/19/2022 17:00	1043	1043	1160	1163
12/19/2022 18:00	1043	1043	1159	1160
12/19/2022 19:00	1043	1043	1158	1159
12/19/2022 20:00	1042	1043	1158	1158
12/19/2022 21:00	1042	1042	1158	1158
12/19/2022 22:00	1042	1043	1158	1159
12/19/2022 23:00	1043	1046	1158	1158
12/20/2022 0:00	1046	1048	1158	1159
12/20/2022 1:00	1048	1048	1159	1159
12/20/2022 2:00	1048	1048	1159	1159
12/20/2022 3:00	1048	1048	1157	1159
12/20/2022 4:00	1048	1048	1157	1160
12/20/2022 5:00	1048	1048	1160	1162
12/20/2022 6:00	1042	1048	1162	1163
12/20/2022 7:00	1042	1042	1163	1165
12/20/2022 8:00	1042	1042	1164	1165
12/20/2022 9:00	1042	1042	1162	1164
12/20/2022 10:00	1042	1042	1161	1162
12/20/2022 11:00	1042	1042	1159	1161
12/20/2022 12:00	1042	1042	1160	1167
12/20/2022 13:00	1042	1042	1162	1165

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/20/2022 14:00	1042	1042	1161	1165
12/20/2022 15:00	1042	1042	1165	1169
12/20/2022 16:00	1042	1042	1169	1171
12/20/2022 17:00	1042	1042	1171	1176
12/20/2022 18:00	1042	1042	1172	1174
12/20/2022 19:00	1042	1042	1165	1172
12/20/2022 20:00	1042	1042	1165	1169
12/20/2022 21:00	1042	1042	1165	1169
12/20/2022 22:00	1042	1042	1165	1171
12/20/2022 23:00	1042	1042	1171	1172
12/21/2022 0:00	1042	1042	1172	1173
12/21/2022 1:00	1042	1042	1173	1178
12/21/2022 2:00	1042	1043	1168	1178
12/21/2022 3:00	1043	1043	1166	1168
12/21/2022 4:00	1043	1043	1166	1168
12/21/2022 5:00	1043	1043	1167	1168
12/21/2022 6:00	1043	1043	1163	1167
12/21/2022 7:00	1043	1043	1155	1163
12/21/2022 8:00	1043	1043	1155	1159
12/21/2022 9:00	1043	1043	1156	1159
12/21/2022 10:00	1043	1043	1154	1156
12/21/2022 11:00	1043	1043	1154	1156
12/21/2022 12:00	1043	1043	1153	1154
12/21/2022 13:00	1043	1043	1152	1153
12/21/2022 14:00	1043	1043	1152	1153
12/21/2022 15:00	1043	1043	1152	1152
12/21/2022 16:00	1043	1043	1150	1152
12/21/2022 17:00	1043	1043	1151	1152
12/21/2022 18:00	1043	1043	1152	1152
12/21/2022 19:00	1043	1043	1152	1153
12/21/2022 20:00	1043	1043	1153	1155
12/21/2022 21:00	1043	1043	1155	1157
12/21/2022 22:00	1043	1043	1156	1157
12/21/2022 23:00	1043	1043	1156	1158
12/22/2022 0:00	1043	1043	1157	1159
12/22/2022 1:00	1042	1043	1151	1157
12/22/2022 2:00	1042	1043	1151	1156
12/22/2022 3:00	1042	1043	1154	1156
12/22/2022 4:00	1042	1042	1153	1154
12/22/2022 5:00	1041	1042	1153	1154
12/22/2022 6:00	1041	1041	1154	1155
12/22/2022 7:00	1041	1041	1155	1155
12/22/2022 8:00	1041	1042	1155	1155
12/22/2022 9:00	1042	1042	1154	1155
12/22/2022 10:00	1042	1042	1153	1154
12/22/2022 11:00	1042	1042	1152	1154
12/22/2022 12:00	1041	1042	1150	1152
12/22/2022 13:00	1041	1041	1147	1150
12/22/2022 14:00	1041	1041	1147	1149
12/22/2022 15:00	1041	1042	1149	1149
12/22/2022 16:00	1042	1042	1149	1152
12/22/2022 17:00	1042	1042	1151	1152
12/22/2022 18:00	1041	1042	1152	1152
12/22/2022 19:00	1041	1042	1152	1152
12/22/2022 20:00	1041	1042	1152	1155
12/22/2022 21:00	1041	1041	1151	1155
12/22/2022 22:00	1041	1041	1151	1153
12/22/2022 23:00	1041	1041	1150	1153
12/23/2022 0:00	1041	1041	1150	1151
12/23/2022 1:00	1041	1042	1149	1151
12/23/2022 2:00	1042	1042	1148	1149
12/23/2022 3:00	1042	1042	1145	1148
12/23/2022 4:00	1042	1042	1145	1145
12/23/2022 5:00	1042	1042	1145	1146
12/23/2022 6:00	1041	1042	1146	1149
12/23/2022 7:00	1040	1041	1149	1151
12/23/2022 8:00	1040	1040	1151	1151
12/23/2022 9:00	1040	1040	1150	1151
12/23/2022 10:00	1040	1040	1149	1152
12/23/2022 11:00	1040	1040	1149	1150
12/23/2022 12:00	1040	1040	1150	1152
12/23/2022 13:00	1040	1040	1152	1154
12/23/2022 14:00	1040	1040	1153	1154
12/23/2022 15:00	1040	1040	1153	1154
12/23/2022 16:00	1040	1040	1154	1155
12/23/2022 17:00	1040	1040	1155	1156
12/23/2022 18:00	1040	1040	1155	1157
12/23/2022 19:00	1040	1040	1157	1158
12/23/2022 20:00	1040	1040	1158	1159
12/23/2022 21:00	1040	1040	1158	1159

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/23/2022 22:00	1040	1040	1159	1160
12/23/2022 23:00	1040	1040	1158	1160
12/24/2022 0:00	1040	1040	1155	1159
12/24/2022 1:00	1040	1040	1154	1155
12/24/2022 2:00	1040	1040	1152	1154
12/24/2022 3:00	1040	1040	1151	1152
12/24/2022 4:00	1040	1040	1149	1151
12/24/2022 5:00	1040	1040	1148	1149
12/24/2022 6:00	1040	1040	1148	1151
12/24/2022 7:00	1040	1040	1150	1151
12/24/2022 8:00	1040	1040	1148	1150
12/24/2022 9:00	1040	1040	1145	1148
12/24/2022 10:00	1039	1040	1144	1145
12/24/2022 11:00	1039	1039	1143	1144
12/24/2022 12:00	1039	1039	1142	1144
12/24/2022 13:00	1039	1039	1141	1143
12/24/2022 14:00	1038	1039	1139	1141
12/24/2022 15:00	1038	1039	1139	1140
12/24/2022 16:00	1038	1039	1139	1140
12/24/2022 17:00	1038	1039	1138	1140
12/24/2022 18:00	1039	1039	1140	1140
12/24/2022 19:00	1039	1039	1138	1140
12/24/2022 20:00	1039	1039	1138	1140
12/24/2022 21:00	1039	1039	1140	1145
12/24/2022 22:00	1039	1039	1143	1145
12/24/2022 23:00	1039	1039	1143	1146
12/25/2022 0:00	1039	1040	1143	1146
12/25/2022 1:00	1040	1040	1142	1145
12/25/2022 2:00	1040	1040	1145	1146
12/25/2022 3:00	1040	1040	1142	1146
12/25/2022 4:00	1040	1040	1142	1143
12/25/2022 5:00	1040	1040	1143	1145
12/25/2022 6:00	1040	1040	1145	1146
12/25/2022 7:00	1040	1040	1146	1148
12/25/2022 8:00	1040	1040	1148	1150
12/25/2022 9:00	1039	1040	1148	1150
12/25/2022 10:00	1039	1039	1149	1153
12/25/2022 11:00	1039	1039	1153	1154
12/25/2022 12:00	1039	1039	1151	1153
12/25/2022 13:00	1039	1039	1151	1154
12/25/2022 14:00	1038	1039	1152	1154
12/25/2022 15:00	1038	1038	1149	1152
12/25/2022 16:00	1038	1039	1149	1150
12/25/2022 17:00	1039	1039	1149	1152
12/25/2022 18:00	1039	1039	1152	1153
12/25/2022 19:00	1039	1039	1152	1152
12/25/2022 20:00	1039	1039	1152	1152
12/25/2022 21:00	1039	1039	1152	1153
12/25/2022 22:00	1039	1039	1153	1153
12/25/2022 23:00	1039	1039	1151	1153
12/26/2022 0:00	1039	1039	1151	1156
12/26/2022 1:00	1038	1039	1154	1161
12/26/2022 2:00	1038	1038	1149	1154
12/26/2022 3:00	1038	1038	1149	1151
12/26/2022 4:00	1038	1038	1150	1150
12/26/2022 5:00	1038	1038	1150	1151
12/26/2022 6:00	1038	1038	1151	1152
12/26/2022 7:00	1037	1038	1151	1156
12/26/2022 8:00	1037	1037	1156	1159
12/26/2022 9:00	1037	1037	1159	1161
12/26/2022 10:00	1037	1038	1161	1165
12/26/2022 11:00	1038	1038	1165	1167
12/26/2022 12:00	1038	1038	1167	1172
12/26/2022 13:00	1038	1039	1166	1172
12/26/2022 14:00	1039	1039	1166	1167
12/26/2022 15:00	1039	1039	1165	1166
12/26/2022 16:00	1039	1039	1165	1167
12/26/2022 17:00	1038	1039	1157	1167
12/26/2022 18:00	1038	1038	1157	1158
12/26/2022 19:00	1037	1038	1158	1159
12/26/2022 20:00	1037	1037	1159	1160
12/26/2022 21:00	1036	1037	1159	1164
12/26/2022 22:00	1036	1036	1160	1168
12/26/2022 23:00	1035	1036	1167	1170
12/27/2022 0:00	1035	1035	1170	1173
12/27/2022 1:00	1035	1035	1173	1175
12/27/2022 2:00	1035	1035	1166	1175
12/27/2022 3:00	1035	1035	1161	1166
12/27/2022 4:00	1035	1035	1161	1164
12/27/2022 5:00	1035	1035	1164	1168

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
12/27/2022 6:00	1035	1035	1166	1168
12/27/2022 7:00	1035	1035	1165	1166
12/27/2022 8:00	1035	1035	1161	1165
12/27/2022 9:00	1035	1035	1159	1161
12/27/2022 10:00	1035	1035	1159	1159
12/27/2022 11:00	1035	1035	1157	1159
12/27/2022 12:00	1035	1035	1157	1160
12/27/2022 13:00	1035	1035	1160	1162
12/27/2022 14:00	1035	1035	1160	1162
12/27/2022 15:00	1035	1035	1160	1160
12/27/2022 16:00	1035	1035	1160	1164
12/27/2022 17:00	1035	1036	1164	1166
12/27/2022 18:00	1036	1036	1165	1167
12/27/2022 19:00	1036	1036	1167	1168
12/27/2022 20:00	1035	1036	1167	1168
12/27/2022 21:00	1035	1036	1168	1169
12/27/2022 22:00	1036	1036	1168	1169
12/27/2022 23:00	1036	1036	1163	1168
12/28/2022 0:00	1036	1036	1163	1164
12/28/2022 1:00	1036	1036	1162	1163
12/28/2022 2:00	1036	1036	1160	1162
12/28/2022 3:00	1036	1036	1159	1161
12/28/2022 4:00	1036	1036	1159	1163
12/28/2022 5:00	1036	1036	1163	1165
12/28/2022 6:00	1036	1036	1164	1166
12/28/2022 7:00	1036	1036	1166	1171
12/28/2022 8:00	1035	1036	1171	1173
12/28/2022 9:00	1035	1035	1172	1174
12/28/2022 10:00	1035	1035	1173	1174
12/28/2022 11:00	1035	1035	1173	1174
12/28/2022 12:00	1034	1035	1165	1173
12/28/2022 13:00	1034	1035	1164	1166
12/28/2022 14:00	1035	1035	1161	1166
12/28/2022 15:00	1035	1035	1161	1161
12/28/2022 16:00	1035	1035	1154	1161
12/28/2022 17:00	1035	1035	1154	1170
12/28/2022 18:00	1035	1035	1170	1172
12/28/2022 19:00	1035	1035	1163	1171
12/28/2022 20:00	1035	1035	1161	1164
12/28/2022 21:00	1035	1035	1161	1163
12/28/2022 22:00	1035	1035	1162	1163
12/28/2022 23:00	1035	1035	1163	1166
12/29/2022 0:00	1035	1035	1166	1166
12/29/2022 1:00	1035	1035	1166	1174
12/29/2022 2:00	1035	1035	1174	1175
12/29/2022 3:00	1035	1035	1174	1175
12/29/2022 4:00	1035	1035	1173	1176
12/29/2022 5:00	1035	1035	1174	1177
12/29/2022 6:00	1035	1035	1177	1179
12/29/2022 7:00	1035	1035	1174	1178
12/29/2022 8:00	1035	1035	1174	1176
12/29/2022 9:00	1035	1035	1169	1176
12/29/2022 10:00	1035	1035	1163	1170
12/29/2022 11:00	1035	1036	1161	1163
12/29/2022 12:00	1036	1036	1161	1162
12/29/2022 13:00	1036	1036	1159	1162
12/29/2022 14:00	1036	1036	1160	1162
12/29/2022 15:00	1036	1037	1159	1161
12/29/2022 16:00	1037	1037	1159	1161
12/29/2022 17:00	1037	1037	1161	1166
12/29/2022 18:00	1037	1038	1166	1171
12/29/2022 19:00	1038	1038	1170	1171
12/29/2022 20:00	1038	1039	1171	1172
12/29/2022 21:00	1039	1039	1172	1173
12/29/2022 22:00	1039	1039	1173	1175
12/29/2022 23:00	1039	1039	1174	1175
12/30/2022 0:00	1039	1039	1171	1175
12/30/2022 1:00	1039	1039	1167	1171
12/30/2022 2:00	1039	1039	1167	1173
12/30/2022 3:00	1039	1039	1173	1178
12/30/2022 4:00	1039	1039	1173	1178
12/30/2022 5:00	1039	1039	1171	1173
12/30/2022 6:00	1039	1039	1173	1178
12/30/2022 7:00	1039	1039	1178	1179
12/30/2022 8:00	1039	1039	1178	1181
12/30/2022 9:00	1038	1039	1176	1181
12/30/2022 10:00	1038	1038	1176	1181
12/30/2022 11:00	1038	1038	1180	1181
12/30/2022 12:00	1038	1038	1179	1180
12/30/2022 13:00	1038	1038	1176	1180

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
12/30/2022 14:00	1038	1038	1177	1180
12/30/2022 15:00	1038	1038	1174	1178
12/30/2022 16:00	1038	1038	1174	1174
12/30/2022 17:00	1037	1038	1173	1175
12/30/2022 18:00	1037	1037	1172	1175
12/30/2022 19:00	1037	1037	1172	1173
12/30/2022 20:00	1037	1037	1172	1175
12/30/2022 21:00	1037	1037	1168	1173
12/30/2022 22:00	1037	1037	1173	1178
12/30/2022 23:00	1037	1037	1176	1178
12/31/2022 0:00	1036	1037	1176	1178
12/31/2022 1:00	1036	1036	1177	1179
12/31/2022 2:00	1036	1036	1177	1179
12/31/2022 3:00	1035	1036	1177	1177
12/31/2022 4:00	1035	1035	1176	1178
12/31/2022 5:00	1035	1035	1172	1176
12/31/2022 6:00	1035	1035	1173	1174
12/31/2022 7:00	1035	1035	1174	1178
12/31/2022 8:00	1035	1036	1177	1179
12/31/2022 9:00	1036	1036	1179	1179
12/31/2022 10:00	1036	1036	1179	1180
12/31/2022 11:00	1036	1036	1178	1179
12/31/2022 12:00	1036	1037	1176	1178
12/31/2022 13:00	1036	1037	1174	1176
12/31/2022 14:00	1036	1037	1174	1177
12/31/2022 15:00	1037	1037	1175	1177
12/31/2022 16:00	1037	1037	1173	1175
12/31/2022 17:00	1037	1037	1173	1174
12/31/2022 18:00	1037	1037	1174	1175
12/31/2022 19:00	1037	1037	1172	1175
12/31/2022 20:00	1037	1037	1172	1174
12/31/2022 21:00	1037	1037	1173	1174
12/31/2022 22:00	1037	1037	1174	1175
12/31/2022 23:00	1036	1037	1175	1176