



825 Rice Street
Saint Paul, MN 55117

November 21, 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 October 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
10/1/2022 0:00	1050	1050	1195	1200
10/1/2022 1:00	1047	1050	1195	1198
10/1/2022 2:00	1044	1047	1198	1200
10/1/2022 3:00	1043	1044	1196	1199
10/1/2022 4:00	1042	1043	1196	1197
10/1/2022 5:00	1042	1042	1196	1200
10/1/2022 6:00	1042	1042	1198	1200
10/1/2022 7:00	1041	1042	1198	1200
10/1/2022 8:00	1041	1041	1200	1200
10/1/2022 9:00	1041	1041	1200	1200
10/1/2022 10:00	1041	1042	1200	1200
10/1/2022 11:00	1042	1042	1196	1200
10/1/2022 12:00	1042	1042	1191	1196
10/1/2022 13:00	1042	1042	1192	1194
10/1/2022 14:00	1042	1043	1194	1196
10/1/2022 15:00	1042	1043	1192	1194
10/1/2022 16:00	1041	1042	1192	1193
10/1/2022 17:00	1040	1041	1190	1192
10/1/2022 18:00	1040	1040	1189	1190
10/1/2022 19:00	1039	1040	1183	1189
10/1/2022 20:00	1039	1039	1183	1185
10/1/2022 21:00	1039	1040	1185	1186
10/1/2022 22:00	1040	1044	1186	1186
10/1/2022 23:00	1044	1046	1185	1186
10/2/2022 0:00	1044	1046	1186	1188
10/2/2022 1:00	1040	1044	1188	1198
10/2/2022 2:00	1039	1040	1198	1200
10/2/2022 3:00	1038	1039	1200	1200
10/2/2022 4:00	1038	1039	1200	1200
10/2/2022 5:00	1039	1039	1200	1200
10/2/2022 6:00	1039	1039	1200	1200
10/2/2022 7:00	1039	1039	1200	1200
10/2/2022 8:00	1039	1039	1195	1200
10/2/2022 9:00	1039	1039	1195	1198
10/2/2022 10:00	1039	1039	1198	1199
10/2/2022 11:00	1039	1039	1194	1198
10/2/2022 12:00	1039	1039	1193	1194
10/2/2022 13:00	1039	1039	1190	1195
10/2/2022 14:00	1039	1039	1189	1192
10/2/2022 15:00	1039	1039	1192	1193
10/2/2022 16:00	1038	1039	1190	1192
10/2/2022 17:00	1038	1038	1190	1192
10/2/2022 18:00	1038	1038	1192	1195
10/2/2022 19:00	1037	1038	1194	1195
10/2/2022 20:00	1037	1037	1192	1194
10/2/2022 21:00	1037	1038	1192	1193
10/2/2022 22:00	1038	1038	1192	1193
10/2/2022 23:00	1038	1038	1192	1193
10/3/2022 0:00	1038	1038	1192	1193
10/3/2022 1:00	1037	1038	1193	1198
10/3/2022 2:00	1037	1037	1198	1200
10/3/2022 3:00	1037	1037	1200	1200
10/3/2022 4:00	1037	1037	1200	1200
10/3/2022 5:00	1037	1037	1200	1200
10/3/2022 6:00	1037	1037	1200	1200
10/3/2022 7:00	1037	1038	1200	1200
10/3/2022 8:00	1038	1038	1200	1200
10/3/2022 9:00	1038	1038	1199	1200
10/3/2022 10:00	1038	1038	1198	1199
10/3/2022 11:00	1038	1039	1197	1199
10/3/2022 12:00	1039	1039	1188	1197
10/3/2022 13:00	1039	1040	1186	1192
10/3/2022 14:00	1040	1040	1192	1193
10/3/2022 15:00	1040	1040	1192	1199
10/3/2022 16:00	1040	1040	1199	1199
10/3/2022 17:00	1040	1040	1196	1199
10/3/2022 18:00	1040	1040	1194	1196
10/3/2022 19:00	1040	1041	1194	1195
10/3/2022 20:00	1041	1042	1193	1195
10/3/2022 21:00	1042	1042	1193	1194
10/3/2022 22:00	1042	1042	1194	1196
10/3/2022 23:00	1042	1042	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
10/4/2022 0:00	1042	1042	1195	1199
10/4/2022 1:00	1042	1042	1193	1196
10/4/2022 2:00	1041	1042	1193	1195
10/4/2022 3:00	1041	1041	1195	1198
10/4/2022 4:00	1041	1041	1197	1200
10/4/2022 5:00	1041	1041	1200	1200
10/4/2022 6:00	1041	1042	1200	1200
10/4/2022 7:00	1042	1042	1200	1200
10/4/2022 8:00	1042	1042	1200	1200
10/4/2022 9:00	1041	1042	1200	1200
10/4/2022 10:00	1041	1041	1200	1200
10/4/2022 11:00	1041	1041	1199	1200
10/4/2022 12:00	1041	1041	1198	1199
10/4/2022 13:00	1041	1042	1198	1200
10/4/2022 14:00	1041	1042	1200	1200
10/4/2022 15:00	1041	1042	1195	1200
10/4/2022 16:00	1041	1042	1198	1200
10/4/2022 17:00	1041	1041	1200	1200
10/4/2022 18:00	1041	1041	1200	1200
10/4/2022 19:00	1041	1041	1195	1200
10/4/2022 20:00	1041	1041	1193	1196
10/4/2022 21:00	1041	1041	1193	1196
10/4/2022 22:00	1041	1041	1196	1199
10/4/2022 23:00	1041	1041	1199	1199
10/5/2022 0:00	1040	1041	1199	1200
10/5/2022 1:00	1040	1041	1199	1200
10/5/2022 2:00	1041	1041	1196	1199
10/5/2022 3:00	1041	1041	1197	1198
10/5/2022 4:00	1041	1041	1196	1197
10/5/2022 5:00	1041	1041	1197	1200
10/5/2022 6:00	1041	1041	1199	1200
10/5/2022 7:00	1041	1041	1200	1200
10/5/2022 8:00	1041	1041	1200	1200
10/5/2022 9:00	1041	1041	1200	1200
10/5/2022 10:00	1041	1041	1200	1200
10/5/2022 11:00	1041	1042	1200	1200
10/5/2022 12:00	1042	1042	1198	1200
10/5/2022 13:00	1042	1042	1196	1198
10/5/2022 14:00	1041	1042	1197	1200
10/5/2022 15:00	1041	1041	1200	1200
10/5/2022 16:00	1041	1041	1199	1200
10/5/2022 17:00	1041	1042	1198	1200
10/5/2022 18:00	1042	1042	1197	1199
10/5/2022 19:00	1042	1042	1196	1197
10/5/2022 20:00	1041	1042	1196	1197
10/5/2022 21:00	1041	1041	1197	1198
10/5/2022 22:00	1040	1041	1197	1199
10/5/2022 23:00	1040	1040	1199	1200
10/6/2022 0:00	1040	1040	1198	1200
10/6/2022 1:00	1040	1040	1198	1198
10/6/2022 2:00	1039	1040	1198	1200
10/6/2022 3:00	1039	1039	1200	1200
10/6/2022 4:00	1038	1039	1200	1200
10/6/2022 5:00	1038	1039	1200	1200
10/6/2022 6:00	1039	1039	1200	1200
10/6/2022 7:00	1039	1040	1200	1200
10/6/2022 8:00	1040	1040	1200	1200
10/6/2022 9:00	1040	1040	1200	1200
10/6/2022 10:00	1040	1040	1200	1200
10/6/2022 11:00	1039	1040	1197	1200
10/6/2022 12:00	1039	1039	1194	1197
10/6/2022 13:00	1039	1040	1197	1199
10/6/2022 14:00	1039	1040	1199	1200
10/6/2022 15:00	1039	1040	1197	1200
10/6/2022 16:00	1040	1040	1197	1200
10/6/2022 17:00	1040	1040	1200	1200
10/6/2022 18:00	1040	1040	1200	1200
10/6/2022 19:00	1040	1040	1196	1200
10/6/2022 20:00	1040	1040	1194	1196
10/6/2022 21:00	1040	1040	1196	1198
10/6/2022 22:00	1040	1040	1196	1198
10/6/2022 23:00	1040	1040	1198	1200
10/7/2022 0:00	1040	1040	1196	1200
10/7/2022 1:00	1040	1040	1195	1196
10/7/2022 2:00	1040	1040	1195	1197
10/7/2022 3:00	1040	1040	1197	1199
10/7/2022 4:00	1039	1040	1199	1200
10/7/2022 5:00	1039	1039	1200	1200
10/7/2022 6:00	1039	1039	1200	1200
10/7/2022 7:00	1039	1039	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
10/7/2022 8:00	1039	1040	1200	1200
10/7/2022 9:00	1040	1040	1200	1200
10/7/2022 10:00	1040	1041	1200	1200
10/7/2022 11:00	1041	1041	1197	1200
10/7/2022 12:00	1040	1041	1193	1198
10/7/2022 13:00	1040	1040	1196	1197
10/7/2022 14:00	1040	1040	1194	1199
10/7/2022 15:00	1040	1040	1199	1200
10/7/2022 16:00	1040	1041	1194	1200
10/7/2022 17:00	1041	1041	1193	1199
10/7/2022 18:00	1041	1041	1199	1200
10/7/2022 19:00	1040	1041	1199	1200
10/7/2022 20:00	1040	1040	1199	1199
10/7/2022 21:00	1040	1040	1197	1199
10/7/2022 22:00	1040	1041	1198	1198
10/7/2022 23:00	1041	1042	1197	1198
10/8/2022 0:00	1042	1043	1198	1200
10/8/2022 1:00	1043	1043	1200	1200
10/8/2022 2:00	1042	1043	1200	1200
10/8/2022 3:00	1042	1042	1200	1200
10/8/2022 4:00	1042	1042	1200	1200
10/8/2022 5:00	1042	1042	1198	1200
10/8/2022 6:00	1042	1042	1198	1199
10/8/2022 7:00	1042	1042	1199	1200
10/8/2022 8:00	1042	1042	1200	1200
10/8/2022 9:00	1042	1042	1200	1200
10/8/2022 10:00	1042	1042	1200	1200
10/8/2022 11:00	1042	1042	1190	1200
10/8/2022 12:00	1042	1042	1187	1190
10/8/2022 13:00	1042	1042	1186	1187
10/8/2022 14:00	1042	1042	1187	1189
10/8/2022 15:00	1042	1042	1189	1192
10/8/2022 16:00	1041	1042	1190	1192
10/8/2022 17:00	1041	1041	1189	1190
10/8/2022 18:00	1040	1041	1188	1190
10/8/2022 19:00	1040	1040	1186	1188
10/8/2022 20:00	1040	1040	1186	1188
10/8/2022 21:00	1040	1041	1185	1186
10/8/2022 22:00	1041	1041	1186	1188
10/8/2022 23:00	1041	1041	1188	1194
10/9/2022 0:00	1041	1041	1194	1200
10/9/2022 1:00	1041	1041	1200	1200
10/9/2022 2:00	1040	1041	1200	1200
10/9/2022 3:00	1040	1040	1200	1200
10/9/2022 4:00	1040	1040	1200	1200
10/9/2022 5:00	1040	1040	1200	1200
10/9/2022 6:00	1040	1040	1200	1200
10/9/2022 7:00	1040	1040	1200	1200
10/9/2022 8:00	1040	1040	1200	1200
10/9/2022 9:00	1040	1041	1200	1200
10/9/2022 10:00	1040	1041	1200	1200
10/9/2022 11:00	1040	1041	1196	1200
10/9/2022 12:00	1040	1041	1192	1196
10/9/2022 13:00	1040	1040	1186	1192
10/9/2022 14:00	1040	1040	1185	1186
10/9/2022 15:00	1039	1040	1185	1190
10/9/2022 16:00	1039	1039	1190	1192
10/9/2022 17:00	1039	1039	1189	1190
10/9/2022 18:00	1039	1039	1189	1191
10/9/2022 19:00	1039	1040	1189	1191
10/9/2022 20:00	1040	1040	1186	1190
10/9/2022 21:00	1040	1041	1184	1186
10/9/2022 22:00	1041	1041	1181	1184
10/9/2022 23:00	1041	1041	1181	1181
10/10/2022 0:00	1040	1041	1180	1181
10/10/2022 1:00	1040	1040	1180	1191
10/10/2022 2:00	1040	1041	1191	1198
10/10/2022 3:00	1041	1042	1197	1200
10/10/2022 4:00	1042	1042	1200	1200
10/10/2022 5:00	1042	1042	1200	1200
10/10/2022 6:00	1042	1042	1200	1200
10/10/2022 7:00	1042	1042	1200	1200
10/10/2022 8:00	1042	1042	1200	1200
10/10/2022 9:00	1042	1042	1200	1200
10/10/2022 10:00	1042	1043	1200	1200
10/10/2022 11:00	1043	1043	1194	1200
10/10/2022 12:00	1043	1047	1188	1194
10/10/2022 12:00	1043	1043	1190	1194
10/10/2022 13:00	1047	1047	1188	1190
10/10/2022 14:00	1047	1047	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
10/10/2022 15:00	1041	1047	1187	1189
10/10/2022 16:00	1041	1041	1186	1188
10/10/2022 17:00	1041	1041	1188	1193
10/10/2022 18:00	1041	1041	1193	1194
10/10/2022 19:00	1041	1041	1194	1195
10/10/2022 20:00	1041	1041	1191	1195
10/10/2022 21:00	1041	1041	1189	1191
10/10/2022 22:00	1041	1041	1186	1189
10/10/2022 23:00	1041	1041	1184	1186
10/11/2022 0:00	1040	1041	1185	1187
10/11/2022 1:00	1040	1040	1187	1194
10/11/2022 2:00	1040	1040	1194	1200
10/11/2022 3:00	1040	1040	1200	1200
10/11/2022 4:00	1040	1040	1200	1200
10/11/2022 5:00	1040	1041	1200	1200
10/11/2022 6:00	1041	1041	1200	1200
10/11/2022 7:00	1041	1041	1200	1200
10/11/2022 8:00	1041	1041	1200	1200
10/11/2022 9:00	1041	1041	1200	1200
10/11/2022 10:00	1041	1041	1200	1200
10/11/2022 11:00	1041	1041	1200	1200
10/11/2022 12:00	1041	1041	1200	1200
10/11/2022 13:00	1040	1041	1194	1200
10/11/2022 14:00	1040	1040	1194	1197
10/11/2022 15:00	1039	1040	1196	1197
10/11/2022 16:00	1039	1040	1196	1199
10/11/2022 17:00	1038	1040	1196	1198
10/11/2022 18:00	1038	1040	1193	1196
10/11/2022 19:00	1040	1040	1193	1194
10/11/2022 20:00	1040	1040	1193	1195
10/11/2022 21:00	1040	1041	1194	1194
10/11/2022 22:00	1041	1041	1194	1198
10/11/2022 23:00	1041	1042	1197	1198
10/12/2022 0:00	1042	1042	1197	1199
10/12/2022 1:00	1042	1042	1199	1200
10/12/2022 2:00	1041	1042	1200	1200
10/12/2022 3:00	1041	1041	1200	1200
10/12/2022 4:00	1041	1042	1195	1200
10/12/2022 5:00	1042	1042	1195	1200
10/12/2022 6:00	1042	1042	1200	1200
10/12/2022 7:00	1042	1043	1200	1200
10/12/2022 8:00	1043	1043	1200	1200
10/12/2022 9:00	1043	1043	1200	1200
10/12/2022 10:00	1043	1043	1200	1200
10/12/2022 11:00	1043	1043	1200	1200
10/12/2022 12:00	1043	1043	1194	1200
10/12/2022 13:00	1043	1043	1191	1194
10/12/2022 14:00	1043	1044	1192	1195
10/12/2022 15:00	1044	1044	1194	1195
10/12/2022 16:00	1044	1044	1194	1197
10/12/2022 17:00	1043	1044	1195	1199
10/12/2022 18:00	1043	1044	1195	1199
10/12/2022 19:00	1044	1044	1199	1200
10/12/2022 20:00	1044	1044	1199	1200
10/12/2022 21:00	1043	1044	1197	1200
10/12/2022 22:00	1043	1043	1200	1200
10/12/2022 23:00	1042	1043	1194	1200
10/13/2022 0:00	1041	1042	1195	1200
10/13/2022 1:00	1041	1041	1196	1200
10/13/2022 2:00	1040	1041	1194	1197
10/13/2022 3:00	1040	1041	1197	1200
10/13/2022 4:00	1041	1043	1200	1200
10/13/2022 5:00	1043	1044	1200	1200
10/13/2022 6:00	1044	1045	1200	1200
10/13/2022 7:00	1045	1045	1200	1200
10/13/2022 8:00	1045	1046	1200	1200
10/13/2022 9:00	1045	1046	1200	1200
10/13/2022 10:00	1044	1045	1200	1200
10/13/2022 11:00	1043	1044	1200	1200
10/13/2022 12:00	1040	1043	1200	1200
10/13/2022 13:00	1038	1040	1200	1200
10/13/2022 14:00	1037	1038	1200	1200
10/13/2022 15:00	1037	1037	1200	1200
10/13/2022 16:00	1037	1037	1198	1200
10/13/2022 17:00	1037	1038	1200	1200
10/13/2022 18:00	1038	1038	1200	1200
10/13/2022 19:00	1038	1038	1196	1200
10/13/2022 20:00	1038	1039	1189	1196
10/13/2022 21:00	1039	1039	1189	1194
10/13/2022 22:00	1039	1039	1192	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
10/13/2022 23:00	1039	1039	1191	1195
10/14/2022 0:00	1039	1039	1195	1195
10/14/2022 1:00	1038	1039	1194	1200
10/14/2022 2:00	1038	1038	1200	1200
10/14/2022 3:00	1038	1039	1200	1200
10/14/2022 4:00	1039	1039	1198	1200
10/14/2022 5:00	1039	1039	1200	1200
10/14/2022 6:00	1039	1039	1200	1200
10/14/2022 7:00	1039	1040	1200	1200
10/14/2022 8:00	1040	1040	1200	1200
10/14/2022 9:00	1039	1040	1200	1200
10/14/2022 10:00	1039	1039	1200	1200
10/14/2022 11:00	1039	1039	1200	1200
10/14/2022 12:00	1039	1039	1200	1200
10/14/2022 12:00	1039	1039	1200	1200
10/14/2022 13:00	1038	1039	1200	1200
10/14/2022 14:00	1038	1038	1200	1200
10/14/2022 15:00	1038	1038	1200	1200
10/14/2022 16:00	1038	1038	1199	1200
10/14/2022 17:00	1038	1038	1199	1200
10/14/2022 18:00	1037	1038	1200	1200
10/14/2022 19:00	1037	1037	1194	1200
10/14/2022 20:00	1036	1037	1194	1200
10/14/2022 21:00	1036	1036	1200	1200
10/14/2022 22:00	1036	1036	1200	1200
10/14/2022 23:00	1035	1036	1196	1200
10/15/2022 0:00	1035	1035	1196	1200
10/15/2022 1:00	1035	1036	1200	1200
10/15/2022 2:00	1036	1036	1189	1200
10/15/2022 3:00	1036	1036	1186	1189
10/15/2022 4:00	1036	1036	1184	1186
10/15/2022 5:00	1036	1037	1185	1190
10/15/2022 6:00	1037	1037	1190	1194
10/15/2022 7:00	1037	1037	1194	1196
10/15/2022 8:00	1037	1037	1196	1198
10/15/2022 9:00	1037	1037	1198	1199
10/15/2022 10:00	1037	1037	1195	1199
10/15/2022 11:00	1037	1037	1193	1195
10/15/2022 12:00	1037	1037	1193	1197
10/15/2022 13:00	1037	1037	1197	1198
10/15/2022 14:00	1036	1037	1198	1200
10/15/2022 15:00	1036	1037	1200	1200
10/15/2022 16:00	1037	1037	1200	1200
10/15/2022 17:00	1037	1038	1200	1200
10/15/2022 18:00	1036	1038	1200	1200
10/15/2022 19:00	1035	1036	1200	1200
10/15/2022 20:00	1035	1035	1200	1200
10/15/2022 21:00	1035	1035	1200	1200
10/15/2022 22:00	1035	1037	1200	1200
10/15/2022 23:00	1037	1041	1200	1200
10/16/2022 0:00	1041	1047	1200	1200
10/16/2022 1:00	1047	1050	1200	1200
10/16/2022 2:00	1050	1050	1200	1200
10/16/2022 3:00	1050	1050	1200	1200
10/16/2022 4:00	1049	1050	1200	1200
10/16/2022 5:00	1047	1049	1200	1200
10/16/2022 6:00	1045	1047	1199	1200
10/16/2022 7:00	1043	1045	1199	1200
10/16/2022 8:00	1043	1043	1199	1200
10/16/2022 9:00	1042	1043	1200	1200
10/16/2022 10:00	1041	1042	1200	1200
10/16/2022 11:00	1040	1041	1194	1200
10/16/2022 12:00	1038	1040	1189	1195
10/16/2022 13:00	1036	1038	1189	1194
10/16/2022 14:00	1036	1036	1192	1194
10/16/2022 15:00	1035	1036	1192	1197
10/16/2022 16:00	1034	1035	1197	1198
10/16/2022 17:00	1034	1034	1197	1198
10/16/2022 18:00	1033	1034	1198	1200
10/16/2022 19:00	1033	1033	1197	1199
10/16/2022 20:00	1033	1033	1194	1198
10/16/2022 21:00	1033	1033	1191	1195
10/16/2022 22:00	1032	1033	1191	1193
10/16/2022 23:00	1032	1032	1193	1200
10/17/2022 0:00	1032	1032	1200	1200
10/17/2022 1:00	1032	1033	1200	1200
10/17/2022 2:00	1033	1034	1200	1200
10/17/2022 3:00	1034	1034	1200	1200
10/17/2022 4:00	1034	1034	1200	1200
10/17/2022 5:00	1033	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
10/17/2022 6:00	1033	1033	1200	1200
10/17/2022 7:00	1033	1033	1200	1200
10/17/2022 8:00	1033	1033	1200	1200
10/17/2022 9:00	1033	1033	1200	1200
10/17/2022 10:00	1033	1033	1195	1200
10/17/2022 11:00	1033	1033	1193	1195
10/17/2022 12:00	1033	1033	1193	1195
10/17/2022 13:00	1033	1033	1195	1198
10/17/2022 14:00	1032	1033	1198	1200
10/17/2022 15:00	1032	1032	1200	1200
10/17/2022 16:00	1032	1032	1200	1200
10/17/2022 17:00	1032	1032	1200	1200
10/17/2022 18:00	1032	1032	1198	1200
10/17/2022 19:00	1032	1032	1195	1198
10/17/2022 20:00	1032	1032	1195	1195
10/17/2022 21:00	1032	1032	1195	1196
10/17/2022 22:00	1032	1032	1196	1196
10/17/2022 23:00	1032	1032	1195	1196
10/18/2022 0:00	1032	1032	1195	1199
10/18/2022 1:00	1032	1032	1199	1200
10/18/2022 2:00	1032	1032	1200	1200
10/18/2022 3:00	1032	1032	1200	1200
10/18/2022 4:00	1032	1032	1200	1200
10/18/2022 5:00	1032	1033	1200	1200
10/18/2022 6:00	1033	1033	1200	1200
10/18/2022 7:00	1033	1033	1200	1200
10/18/2022 8:00	1033	1033	1195	1200
10/18/2022 9:00	1033	1033	1191	1195
10/18/2022 10:00	1033	1033	1190	1191
10/18/2022 11:00	1033	1033	1187	1190
10/18/2022 12:00	1033	1033	1187	1188
10/18/2022 13:00	1033	1033	1187	1188
10/18/2022 14:00	1033	1034	1186	1188
10/18/2022 15:00	1034	1034	1186	1190
10/18/2022 16:00	1034	1034	1189	1192
10/18/2022 17:00	1033	1034	1192	1193
10/18/2022 18:00	1033	1033	1190	1192
10/18/2022 19:00	1032	1033	1188	1190
10/18/2022 20:00	1032	1032	1187	1188
10/18/2022 21:00	1032	1033	1187	1188
10/18/2022 22:00	1033	1033	1188	1193
10/18/2022 23:00	1032	1033	1193	1195
10/19/2022 0:00	1032	1033	1195	1200
10/19/2022 1:00	1033	1033	1200	1200
10/19/2022 2:00	1032	1033	1200	1200
10/19/2022 3:00	1032	1032	1199	1200
10/19/2022 4:00	1032	1032	1199	1200
10/19/2022 5:00	1032	1033	1200	1200
10/19/2022 6:00	1033	1033	1200	1200
10/19/2022 7:00	1033	1033	1200	1200
10/19/2022 8:00	1033	1033	1200	1200
10/19/2022 9:00	1032	1033	1200	1200
10/19/2022 10:00	1032	1032	1200	1200
10/19/2022 11:00	1032	1032	1195	1200
10/19/2022 12:00	1032	1032	1193	1195
10/19/2022 13:00	1032	1032	1193	1193
10/19/2022 14:00	1031	1032	1192	1193
10/19/2022 15:00	1031	1031	1191	1192
10/19/2022 16:00	1031	1031	1189	1191
10/19/2022 17:00	1031	1031	1188	1189
10/19/2022 18:00	1031	1031	1186	1188
10/19/2022 19:00	1031	1031	1186	1188
10/19/2022 20:00	1031	1031	1187	1188
10/19/2022 21:00	1031	1031	1188	1193
10/19/2022 22:00	1031	1032	1193	1196
10/19/2022 23:00	1032	1032	1194	1196
10/20/2022 0:00	1032	1032	1193	1194
10/20/2022 1:00	1032	1032	1194	1200
10/20/2022 2:00	1032	1032	1200	1200
10/20/2022 3:00	1032	1032	1200	1200
10/20/2022 4:00	1032	1032	1200	1200
10/20/2022 5:00	1032	1032	1189	1200
10/20/2022 6:00	1032	1033	1189	1200
10/20/2022 7:00	1033	1033	1200	1200
10/20/2022 8:00	1033	1033	1200	1200
10/20/2022 9:00	1033	1033	1200	1200
10/20/2022 10:00	1033	1033	1190	1200
10/20/2022 11:00	1033	1033	1184	1190
10/20/2022 12:00	1033	1033	1184	1194
10/20/2022 13:00	1033	1033	1193	1196

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
10/20/2022 14:00	1032	1033	1189	1193
10/20/2022 15:00	1032	1032	1189	1190
10/20/2022 16:00	1032	1032	1190	1192
10/20/2022 17:00	1032	1032	1192	1197
10/20/2022 18:00	1032	1032	1195	1197
10/20/2022 19:00	1031	1032	1194	1195
10/20/2022 20:00	1031	1032	1193	1200
10/20/2022 21:00	1032	1032	1191	1198
10/20/2022 22:00	1032	1032	1198	1200
10/20/2022 23:00	1032	1032	1200	1200
10/21/2022 0:00	1032	1032	1200	1200
10/21/2022 1:00	1032	1032	1192	1200
10/21/2022 2:00	1032	1032	1185	1193
10/21/2022 3:00	1032	1032	1185	1192
10/21/2022 4:00	1032	1032	1192	1195
10/21/2022 5:00	1032	1032	1190	1194
10/21/2022 6:00	1032	1032	1189	1190
10/21/2022 7:00	1032	1033	1189	1192
10/21/2022 8:00	1033	1034	1190	1198
10/21/2022 9:00	1034	1034	1196	1198
10/21/2022 10:00	1033	1034	1195	1196
10/21/2022 11:00	1033	1033	1194	1195
10/21/2022 12:00	1033	1033	1195	1195
10/21/2022 13:00	1033	1033	1192	1195
10/21/2022 14:00	1033	1033	1193	1194
10/21/2022 15:00	1033	1033	1192	1194
10/21/2022 16:00	1032	1033	1192	1196
10/21/2022 17:00	1032	1032	1196	1200
10/21/2022 18:00	1032	1033	1200	1200
10/21/2022 19:00	1032	1033	1200	1200
10/21/2022 20:00	1032	1033	1200	1200
10/21/2022 21:00	1033	1034	1200	1200
10/21/2022 22:00	1034	1035	1200	1200
10/21/2022 23:00	1035	1036	1200	1200
10/22/2022 0:00	1036	1036	1200	1200
10/22/2022 1:00	1036	1036	1199	1200
10/22/2022 2:00	1036	1036	1194	1199
10/22/2022 3:00	1035	1036	1192	1194
10/22/2022 4:00	1034	1035	1192	1198
10/22/2022 5:00	1033	1034	1190	1198
10/22/2022 6:00	1033	1033	1189	1191
10/22/2022 7:00	1032	1033	1189	1190
10/22/2022 8:00	1032	1032	1189	1190
10/22/2022 9:00	1032	1032	1189	1190
10/22/2022 10:00	1032	1033	1189	1190
10/22/2022 11:00	1033	1034	1189	1193
10/22/2022 12:00	1034	1034	1193	1197
10/22/2022 13:00	1034	1034	1196	1197
10/22/2022 14:00	1034	1034	1196	1200
10/22/2022 15:00	1034	1034	1200	1200
10/22/2022 16:00	1033	1034	1200	1200
10/22/2022 17:00	1033	1033	1199	1200
10/22/2022 18:00	1033	1033	1190	1199
10/22/2022 19:00	1032	1033	1189	1190
10/22/2022 20:00	1032	1033	1189	1192
10/22/2022 21:00	1033	1033	1192	1197
10/22/2022 22:00	1033	1033	1195	1199
10/22/2022 23:00	1033	1033	1188	1195
10/23/2022 0:00	1033	1033	1190	1195
10/23/2022 1:00	1033	1033	1195	1195
10/23/2022 2:00	1033	1033	1192	1195
10/23/2022 3:00	1033	1033	1190	1192
10/23/2022 4:00	1033	1033	1190	1191
10/23/2022 5:00	1033	1033	1191	1195
10/23/2022 6:00	1033	1033	1195	1195
10/23/2022 7:00	1033	1033	1194	1195
10/23/2022 8:00	1033	1033	1194	1195
10/23/2022 9:00	1033	1033	1195	1195
10/23/2022 10:00	1033	1033	1195	1200
10/23/2022 11:00	1033	1033	1200	1200
10/23/2022 12:00	1033	1033	1200	1200
10/23/2022 13:00	1032	1033	1200	1200
10/23/2022 14:00	1032	1032	1200	1200
10/23/2022 15:00	1032	1032	1200	1200
10/23/2022 16:00	1032	1032	1200	1200
10/23/2022 17:00	1031	1032	1196	1200
10/23/2022 18:00	1031	1031	1195	1196
10/23/2022 19:00	1031	1032	1192	1195
10/23/2022 20:00	1032	1033	1192	1193
10/23/2022 21:00	1032	1033	1193	1194

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
10/23/2022 22:00	1032	1032	1194	1195
10/23/2022 23:00	1032	1032	1195	1195
10/24/2022 0:00	1032	1032	1195	1195
10/24/2022 1:00	1032	1033	1194	1195
10/24/2022 2:00	1033	1033	1195	1195
10/24/2022 3:00	1033	1033	1193	1195
10/24/2022 4:00	1032	1033	1193	1194
10/24/2022 5:00	1032	1032	1193	1193
10/24/2022 6:00	1032	1032	1193	1193
10/24/2022 7:00	1032	1033	1192	1193
10/24/2022 8:00	1033	1033	1192	1193
10/24/2022 9:00	1033	1033	1191	1193
10/24/2022 10:00	1033	1033	1191	1192
10/24/2022 11:00	1032	1033	1191	1191
10/24/2022 12:00	1032	1032	1190	1191
10/24/2022 13:00	1032	1033	1189	1190
10/24/2022 14:00	1032	1033	1188	1189
10/24/2022 15:00	1032	1032	1188	1188
10/24/2022 16:00	1032	1032	1187	1189
10/24/2022 17:00	1032	1033	1189	1199
10/24/2022 18:00	1033	1033	1199	1200
10/24/2022 19:00	1033	1033	1191	1200
10/24/2022 20:00	1033	1033	1184	1191
10/24/2022 21:00	1033	1033	1184	1188
10/24/2022 22:00	1033	1033	1188	1199
10/24/2022 23:00	1033	1033	1199	1200
10/25/2022 0:00	1033	1033	1200	1200
10/25/2022 1:00	1033	1033	1199	1200
10/25/2022 2:00	1033	1033	1199	1200
10/25/2022 3:00	1033	1033	1200	1200
10/25/2022 4:00	1033	1033	1200	1200
10/25/2022 5:00	1033	1034	1198	1200
10/25/2022 6:00	1034	1034	1194	1198
10/25/2022 7:00	1034	1034	1192	1195
10/25/2022 8:00	1034	1034	1194	1196
10/25/2022 9:00	1034	1034	1196	1200
10/25/2022 10:00	1034	1034	1200	1200
10/25/2022 11:00	1033	1034	1198	1200
10/25/2022 12:00	1033	1034	1196	1198
10/25/2022 13:00	1034	1034	1196	1200
10/25/2022 14:00	1034	1034	1200	1200
10/25/2022 15:00	1034	1034	1200	1200
10/25/2022 16:00	1034	1034	1200	1200
10/25/2022 17:00	1034	1034	1200	1200
10/25/2022 18:00	1034	1034	1200	1200
10/25/2022 19:00	1034	1034	1200	1200
10/25/2022 20:00	1033	1034	1200	1200
10/25/2022 21:00	1033	1034	1199	1200
10/25/2022 22:00	1034	1034	1195	1200
10/25/2022 23:00	1034	1034	1193	1197
10/26/2022 0:00	1034	1034	1197	1200
10/26/2022 1:00	1034	1034	1200	1200
10/26/2022 2:00	1034	1034	1200	1200
10/26/2022 3:00	1033	1034	1200	1200
10/26/2022 4:00	1032	1033	1200	1200
10/26/2022 5:00	1032	1032	1198	1200
10/26/2022 6:00	1032	1032	1198	1198
10/26/2022 7:00	1032	1032	1198	1199
10/26/2022 8:00	1032	1033	1197	1199
10/26/2022 9:00	1033	1034	1195	1197
10/26/2022 10:00	1034	1035	1190	1196
10/26/2022 11:00	1035	1035	1186	1190
10/26/2022 12:00	1035	1035	1184	1186
10/26/2022 13:00	1035	1035	1184	1186
10/26/2022 14:00	1035	1035	1186	1187
10/26/2022 15:00	1035	1035	1187	1192
10/26/2022 16:00	1035	1035	1192	1198
10/26/2022 17:00	1035	1035	1198	1200
10/26/2022 18:00	1035	1035	1200	1200
10/26/2022 19:00	1035	1035	1200	1200
10/26/2022 20:00	1035	1035	1198	1200
10/26/2022 21:00	1034	1035	1197	1198
10/26/2022 22:00	1034	1034	1197	1199
10/26/2022 23:00	1034	1034	1199	1200
10/27/2022 0:00	1034	1034	1200	1200
10/27/2022 1:00	1034	1035	1200	1200
10/27/2022 2:00	1035	1035	1198	1200
10/27/2022 3:00	1035	1036	1197	1198
10/27/2022 4:00	1036	1036	1191	1200
10/27/2022 5:00	1036	1036	1191	1197

Xcel Energy
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
10/27/2022 6:00	1036	1036	1197	1199
10/27/2022 7:00	1036	1036	1198	1199
10/27/2022 8:00	1036	1036	1198	1198
10/27/2022 9:00	1035	1036	1194	1198
10/27/2022 10:00	1035	1035	1193	1194
10/27/2022 11:00	1035	1035	1193	1193
10/27/2022 12:00	1035	1035	1193	1194
10/27/2022 13:00	1035	1035	1193	1194
10/27/2022 14:00	1035	1035	1193	1197
10/27/2022 15:00	1035	1035	1197	1198
10/27/2022 16:00	1035	1036	1198	1199
10/27/2022 17:00	1036	1036	1199	1200
10/27/2022 18:00	1036	1036	1200	1200
10/27/2022 19:00	1036	1037	1200	1200
10/27/2022 20:00	1036	1037	1199	1200
10/27/2022 21:00	1036	1036	1195	1199
10/27/2022 22:00	1036	1036	1192	1195
10/27/2022 23:00	1035	1036	1192	1198
10/28/2022 0:00	1035	1036	1198	1200
10/28/2022 1:00	1036	1036	1198	1200
10/28/2022 2:00	1036	1037	1193	1198
10/28/2022 3:00	1037	1037	1189	1193
10/28/2022 4:00	1037	1037	1189	1192
10/28/2022 5:00	1037	1038	1191	1192
10/28/2022 6:00	1038	1038	1192	1196
10/28/2022 7:00	1037	1038	1196	1196
10/28/2022 8:00	1037	1037	1195	1196
10/28/2022 9:00	1037	1037	1192	1195
10/28/2022 10:00	1037	1037	1189	1193
10/28/2022 11:00	1037	1037	1189	1190
10/28/2022 12:00	1036	1037	1189	1190
10/28/2022 13:00	1036	1036	1189	1190
10/28/2022 14:00	1036	1036	1190	1191
10/28/2022 15:00	1036	1036	1191	1193
10/28/2022 16:00	1036	1037	1191	1193
10/28/2022 17:00	1037	1038	1193	1198
10/28/2022 18:00	1038	1039	1198	1200
10/28/2022 19:00	1039	1041	1198	1200
10/28/2022 20:00	1041	1041	1194	1198
10/28/2022 21:00	1041	1041	1194	1198
10/28/2022 22:00	1041	1041	1198	1200
10/28/2022 23:00	1041	1042	1197	1198
10/29/2022 0:00	1042	1042	1192	1197
10/29/2022 1:00	1042	1042	1192	1194
10/29/2022 2:00	1042	1042	1191	1194
10/29/2022 3:00	1041	1042	1188	1191
10/29/2022 4:00	1041	1041	1189	1191
10/29/2022 5:00	1041	1041	1190	1191
10/29/2022 6:00	1040	1041	1191	1192
10/29/2022 7:00	1040	1040	1191	1192
10/29/2022 8:00	1040	1040	1191	1194
10/29/2022 9:00	1040	1040	1194	1195
10/29/2022 10:00	1040	1040	1193	1195
10/29/2022 11:00	1040	1040	1193	1195
10/29/2022 12:00	1040	1041	1194	1195
10/29/2022 13:00	1041	1041	1195	1196
10/29/2022 14:00	1041	1041	1187	1195
10/29/2022 15:00	1041	1041	1183	1187
10/29/2022 16:00	1041	1041	1182	1184
10/29/2022 17:00	1041	1041	1184	1189
10/29/2022 18:00	1040	1041	1189	1191
10/29/2022 19:00	1040	1040	1191	1197
10/29/2022 20:00	1040	1041	1196	1200
10/29/2022 21:00	1041	1041	1196	1198
10/29/2022 22:00	1041	1041	1196	1198
10/29/2022 23:00	1041	1041	1194	1196
10/30/2022 0:00	1040	1041	1192	1195
10/30/2022 1:00	1040	1040	1192	1193
10/30/2022 2:00	1040	1040	1192	1193
10/30/2022 3:00	1040	1040	1192	1195
10/30/2022 4:00	1039	1040	1194	1199
10/30/2022 5:00	1039	1039	1197	1199
10/30/2022 6:00	1039	1039	1193	1197
10/30/2022 7:00	1039	1039	1193	1195
10/30/2022 8:00	1039	1039	1193	1195
10/30/2022 9:00	1039	1039	1193	1193
10/30/2022 10:00	1039	1039	1193	1194
10/30/2022 11:00	1039	1039	1192	1193
10/30/2022 12:00	1039	1040	1190	1192
10/30/2022 13:00	1040	1040	1188	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
10/30/2022 14:00	1040	1041	1188	1189
10/30/2022 15:00	1041	1041	1186	1188
10/30/2022 16:00	1041	1041	1187	1189
10/30/2022 17:00	1041	1041	1189	1190
10/30/2022 18:00	1041	1042	1189	1191
10/30/2022 19:00	1042	1042	1191	1193
10/30/2022 20:00	1042	1042	1192	1195
10/30/2022 21:00	1042	1042	1195	1197
10/30/2022 22:00	1042	1042	1196	1198
10/30/2022 23:00	1042	1042	1197	1200
10/31/2022 0:00	1042	1042	1200	1200
10/31/2022 1:00	1042	1042	1197	1200
10/31/2022 2:00	1042	1042	1188	1197
10/31/2022 3:00	1042	1042	1186	1188
10/31/2022 4:00	1042	1042	1185	1186
10/31/2022 5:00	1042	1042	1185	1185
10/31/2022 6:00	1042	1042	1185	1188
10/31/2022 7:00	1041	1042	1186	1188
10/31/2022 8:00	1041	1041	1185	1186
10/31/2022 9:00	1041	1041	1185	1188
10/31/2022 10:00	1041	1041	1188	1194
10/31/2022 11:00	1041	1041	1192	1194
10/31/2022 12:00	1041	1042	1191	1193
10/31/2022 13:00	1042	1042	1192	1193
10/31/2022 14:00	1042	1042	1191	1193
10/31/2022 15:00	1042	1042	1186	1191
10/31/2022 16:00	1041	1042	1186	1191
10/31/2022 17:00	1041	1041	1190	1192
10/31/2022 18:00	1041	1041	1190	1195
10/31/2022 19:00	1041	1041	1194	1197
10/31/2022 20:00	1041	1041	1192	1194
10/31/2022 21:00	1041	1041	1194	1197
10/31/2022 22:00	1041	1041	1197	1200
10/31/2022 23:00	1041	1041	1197	1200