



825 Rice Street
Saint Paul, MN 55117

August 26, 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 July 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 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
7/1/2022 0:00	1037	1038	1200	1200
7/1/2022 1:00	1037	1038	1200	1200
7/1/2022 2:00	1037	1037	1200	1200
7/1/2022 3:00	1037	1037	1200	1200
7/1/2022 4:00	1037	1037	1200	1200
7/1/2022 5:00	1037	1037	1200	1200
7/1/2022 6:00	1037	1037	1200	1200
7/1/2022 7:00	1037	1037	1200	1200
7/1/2022 8:00	1037	1037	1200	1200
7/1/2022 9:00	1036	1037	1200	1200
7/1/2022 10:00	1036	1036	1200	1200
7/1/2022 11:00	1036	1036	1200	1200
7/1/2022 12:00	1036	1036	1200	1200
7/1/2022 13:00	1036	1036	1200	1200
7/1/2022 14:00	1036	1036	1195	1200
7/1/2022 15:00	1035	1036	1195	1200
7/1/2022 16:00	1035	1035	1200	1200
7/1/2022 17:00	1035	1035	1200	1200
7/1/2022 18:00	1034	1035	1200	1200
7/1/2022 19:00	1034	1034	1200	1200
7/1/2022 20:00	1034	1034	1200	1200
7/1/2022 21:00	1034	1034	1200	1200
7/1/2022 22:00	1034	1034	1200	1200
7/1/2022 23:00	1034	1034	1200	1200
7/2/2022 0:00	1034	1034	1200	1200
7/2/2022 1:00	1034	1034	1200	1200
7/2/2022 2:00	1034	1036	1200	1200
7/2/2022 3:00	1036	1037	1200	1200
7/2/2022 4:00	1037	1039	1200	1200
7/2/2022 5:00	1039	1040	1200	1200
7/2/2022 6:00	1040	1041	1200	1200
7/2/2022 7:00	1041	1043	1200	1200
7/2/2022 8:00	1043	1043	1200	1200
7/2/2022 9:00	1043	1043	1200	1200
7/2/2022 10:00	1043	1043	1200	1200
7/2/2022 11:00	1043	1043	1200	1200
7/2/2022 12:00	1043	1044	1200	1200
7/2/2022 13:00	1044	1044	1200	1200
7/2/2022 14:00	1044	1045	1200	1200
7/2/2022 15:00	1045	1045	1200	1200
7/2/2022 16:00	1045	1046	1198	1200
7/2/2022 17:00	1046	1046	1195	1199
7/2/2022 18:00	1046	1047	1188	1196
7/2/2022 19:00	1046	1047	1188	1191
7/2/2022 20:00	1045	1046	1189	1191
7/2/2022 21:00	1044	1045	1189	1190
7/2/2022 22:00	1043	1044	1189	1191
7/2/2022 23:00	1043	1043	1187	1191
7/3/2022 0:00	1041	1043	1183	1187
7/3/2022 1:00	1040	1041	1182	1185
7/3/2022 2:00	1040	1040	1185	1187
7/3/2022 3:00	1039	1040	1187	1191
7/3/2022 4:00	1039	1039	1191	1192
7/3/2022 5:00	1039	1039	1192	1194
7/3/2022 6:00	1038	1039	1194	1200
7/3/2022 7:00	1037	1038	1200	1200
7/3/2022 8:00	1037	1037	1200	1200
7/3/2022 9:00	1036	1037	1200	1200
7/3/2022 10:00	1036	1037	1200	1200
7/3/2022 11:00	1037	1037	1200	1200
7/3/2022 12:00	1037	1037	1200	1200
7/3/2022 13:00	1037	1037	1200	1200
7/3/2022 14:00	1037	1037	1200	1200
7/3/2022 15:00	1037	1037	1200	1200
7/3/2022 16:00	1037	1037	1200	1200
7/3/2022 17:00	1037	1037	1200	1200
7/3/2022 18:00	1037	1037	1200	1200
7/3/2022 19:00	1037	1037	1200	1200
7/3/2022 20:00	1037	1037	1197	1200
7/3/2022 21:00	1037	1037	1195	1197
7/3/2022 22:00	1037	1037	1196	1198
7/3/2022 23:00	1037	1037	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
7/4/2022 0:00	1037	1037	1200	1200
7/4/2022 1:00	1037	1038	1200	1200
7/4/2022 2:00	1037	1038	1200	1200
7/4/2022 3:00	1037	1037	1200	1200
7/4/2022 4:00	1037	1037	1200	1200
7/4/2022 5:00	1037	1037	1200	1200
7/4/2022 6:00	1037	1037	1200	1200
7/4/2022 7:00	1037	1037	1200	1200
7/4/2022 8:00	1037	1037	1200	1200
7/4/2022 9:00	1037	1037	1200	1200
7/4/2022 10:00	1037	1037	1200	1200
7/4/2022 11:00	1036	1037	1200	1200
7/4/2022 12:00	1036	1037	1200	1200
7/4/2022 13:00	1036	1037	1200	1200
7/4/2022 14:00	1036	1036	1200	1200
7/4/2022 15:00	1036	1036	1196	1200
7/4/2022 16:00	1036	1036	1196	1200
7/4/2022 17:00	1036	1036	1200	1200
7/4/2022 18:00	1035	1036	1200	1200
7/4/2022 19:00	1035	1035	1200	1200
7/4/2022 20:00	1035	1036	1200	1200
7/4/2022 21:00	1035	1036	1189	1200
7/4/2022 22:00	1035	1035	1188	1190
7/4/2022 23:00	1035	1035	1182	1188
7/5/2022 0:00	1035	1035	1180	1182
7/5/2022 1:00	1035	1035	1180	1182
7/5/2022 2:00	1035	1036	1180	1182
7/5/2022 3:00	1036	1036	1179	1180
7/5/2022 4:00	1036	1036	1179	1200
7/5/2022 5:00	1036	1036	1200	1200
7/5/2022 6:00	1036	1037	1200	1200
7/5/2022 7:00	1036	1037	1198	1200
7/5/2022 8:00	1036	1036	1197	1198
7/5/2022 9:00	1036	1037	1195	1197
7/5/2022 10:00	1037	1037	1195	1198
7/5/2022 11:00	1037	1037	1198	1200
7/5/2022 12:00	1037	1037	1200	1200
7/5/2022 13:00	1037	1037	1200	1200
7/5/2022 14:00	1037	1037	1200	1200
7/5/2022 15:00	1036	1037	1198	1200
7/5/2022 16:00	1036	1036	1196	1198
7/5/2022 17:00	1036	1036	1196	1200
7/5/2022 18:00	1036	1036	1200	1200
7/5/2022 19:00	1036	1036	1200	1200
7/5/2022 20:00	1036	1036	1200	1200
7/5/2022 21:00	1036	1036	1200	1200
7/5/2022 22:00	1036	1036	1200	1200
7/5/2022 23:00	1036	1037	1200	1200
7/6/2022 0:00	1037	1037	1200	1200
7/6/2022 1:00	1037	1037	1200	1200
7/6/2022 2:00	1037	1037	1197	1200
7/6/2022 3:00	1037	1037	1197	1200
7/6/2022 4:00	1037	1037	1194	1197
7/6/2022 5:00	1037	1037	1192	1194
7/6/2022 6:00	1037	1037	1194	1198
7/6/2022 7:00	1037	1038	1198	1200
7/6/2022 8:00	1038	1038	1200	1200
7/6/2022 9:00	1038	1038	1200	1200
7/6/2022 10:00	1038	1038	1200	1200
7/6/2022 11:00	1038	1038	1200	1200
7/6/2022 12:00	1038	1038	1200	1200
7/6/2022 13:00	1038	1038	1192	1200
7/6/2022 14:00	1037	1038	1188	1193
7/6/2022 15:00	1037	1037	1190	1200
7/6/2022 16:00	1037	1037	1200	1200
7/6/2022 17:00	1037	1037	1200	1200
7/6/2022 18:00	1037	1037	1200	1200
7/6/2022 19:00	1037	1037	1200	1200
7/6/2022 20:00	1037	1037	1200	1200
7/6/2022 21:00	1037	1037	1200	1200
7/6/2022 22:00	1036	1037	1200	1200
7/6/2022 23:00	1036	1036	1200	1200
7/7/2022 0:00	1036	1036	1200	1200
7/7/2022 1:00	1036	1036	1200	1200
7/7/2022 2:00	1036	1036	1200	1200
7/7/2022 3:00	1036	1036	1200	1200
7/7/2022 4:00	1036	1036	1199	1200
7/7/2022 5:00	1036	1037	1194	1199
7/7/2022 6:00	1036	1037	1192	1194
7/7/2022 7:00	1036	1037	1191	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
7/7/2022 8:00	1037	1037	1191	1194
7/7/2022 9:00	1037	1037	1189	1191
7/7/2022 10:00	1037	1037	1187	1189
7/7/2022 11:00	1037	1037	1185	1187
7/7/2022 12:00	1036	1037	1185	1187
7/7/2022 13:00	1036	1037	1187	1200
7/7/2022 14:00	1037	1037	1200	1200
7/7/2022 15:00	1037	1037	1200	1200
7/7/2022 16:00	1037	1037	1200	1200
7/7/2022 17:00	1037	1037	1200	1200
7/7/2022 18:00	1037	1038	1200	1200
7/7/2022 19:00	1038	1038	1200	1200
7/7/2022 20:00	1038	1038	1200	1200
7/7/2022 21:00	1038	1039	1200	1200
7/7/2022 22:00	1039	1039	1200	1200
7/7/2022 23:00	1039	1039	1200	1200
7/8/2022 0:00	1039	1039	1200	1200
7/8/2022 1:00	1038	1039	1196	1200
7/8/2022 2:00	1038	1038	1192	1196
7/8/2022 3:00	1038	1038	1187	1193
7/8/2022 4:00	1038	1038	1182	1187
7/8/2022 5:00	1038	1038	1182	1192
7/8/2022 6:00	1037	1038	1192	1194
7/8/2022 7:00	1037	1037	1194	1196
7/8/2022 8:00	1037	1037	1195	1196
7/8/2022 9:00	1037	1037	1195	1198
7/8/2022 10:00	1036	1037	1198	1200
7/8/2022 11:00	1036	1037	1199	1200
7/8/2022 12:00	1037	1037	1199	1200
7/8/2022 13:00	1036	1037	1200	1200
7/8/2022 14:00	1036	1037	1200	1200
7/8/2022 15:00	1037	1037	1200	1200
7/8/2022 16:00	1037	1037	1200	1200
7/8/2022 17:00	1037	1038	1200	1200
7/8/2022 18:00	1038	1038	1200	1200
7/8/2022 19:00	1038	1038	1200	1200
7/8/2022 20:00	1038	1038	1195	1200
7/8/2022 21:00	1038	1039	1195	1200
7/8/2022 22:00	1038	1039	1200	1200
7/8/2022 23:00	1038	1039	1200	1200
7/9/2022 0:00	1039	1039	1200	1200
7/9/2022 1:00	1039	1039	1200	1200
7/9/2022 2:00	1039	1039	1200	1200
7/9/2022 3:00	1039	1039	1200	1200
7/9/2022 4:00	1039	1039	1200	1200
7/9/2022 5:00	1039	1039	1200	1200
7/9/2022 6:00	1039	1039	1197	1200
7/9/2022 7:00	1039	1039	1193	1197
7/9/2022 8:00	1039	1039	1192	1193
7/9/2022 9:00	1039	1039	1192	1194
7/9/2022 10:00	1038	1039	1192	1195
7/9/2022 11:00	1038	1038	1192	1193
7/9/2022 12:00	1038	1038	1192	1193
7/9/2022 13:00	1038	1038	1193	1193
7/9/2022 14:00	1038	1038	1193	1193
7/9/2022 15:00	1038	1038	1193	1195
7/9/2022 16:00	1038	1038	1195	1198
7/9/2022 17:00	1038	1038	1198	1200
7/9/2022 18:00	1038	1038	1200	1200
7/9/2022 19:00	1038	1038	1200	1200
7/9/2022 20:00	1038	1038	1200	1200
7/9/2022 21:00	1038	1038	1200	1200
7/9/2022 22:00	1038	1038	1200	1200
7/9/2022 23:00	1037	1038	1200	1200
7/10/2022 0:00	1037	1037	1200	1200
7/10/2022 1:00	1037	1037	1200	1200
7/10/2022 2:00	1037	1037	1200	1200
7/10/2022 3:00	1037	1037	1199	1200
7/10/2022 4:00	1037	1038	1197	1199
7/10/2022 5:00	1038	1038	1194	1197
7/10/2022 6:00	1038	1038	1194	1197
7/10/2022 7:00	1037	1038	1197	1200
7/10/2022 8:00	1037	1037	1200	1200
7/10/2022 9:00	1037	1037	1200	1200
7/10/2022 10:00	1037	1037	1200	1200
7/10/2022 11:00	1037	1037	1200	1200
7/10/2022 12:00	1037	1037	1200	1200
7/10/2022 13:00	1037	1037	1200	1200
7/10/2022 14:00	1037	1037	1194	1200
7/10/2022 15:00	1037	1037	1194	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
7/10/2022 16:00	1037	1037	1200	1200
7/10/2022 17:00	1037	1038	1197	1200
7/10/2022 18:00	1038	1038	1195	1197
7/10/2022 19:00	1038	1039	1196	1198
7/10/2022 20:00	1039	1040	1198	1198
7/10/2022 21:00	1040	1040	1198	1200
7/10/2022 22:00	1040	1041	1200	1200
7/10/2022 23:00	1041	1041	1200	1200
7/11/2022 0:00	1041	1041	1200	1200
7/11/2022 1:00	1041	1041	1200	1200
7/11/2022 2:00	1041	1042	1200	1200
7/11/2022 3:00	1042	1042	1200	1200
7/11/2022 4:00	1042	1042	1195	1200
7/11/2022 5:00	1042	1042	1189	1195
7/11/2022 6:00	1042	1043	1187	1189
7/11/2022 7:00	1043	1043	1187	1188
7/11/2022 8:00	1043	1043	1187	1187
7/11/2022 9:00	1043	1043	1187	1188
7/11/2022 10:00	1043	1044	1188	1190
7/11/2022 11:00	1044	1044	1189	1193
7/11/2022 12:00	1044	1044	1182	1189
7/11/2022 13:00	1044	1044	1181	1183
7/11/2022 14:00	1043	1044	1183	1184
7/11/2022 15:00	1043	1043	1184	1188
7/11/2022 16:00	1043	1043	1188	1190
7/11/2022 17:00	1043	1043	1190	1194
7/11/2022 18:00	1043	1043	1194	1200
7/11/2022 19:00	1043	1043	1200	1200
7/11/2022 20:00	1043	1043	1200	1200
7/11/2022 21:00	1042	1043	1200	1200
7/11/2022 22:00	1042	1042	1200	1200
7/11/2022 23:00	1042	1042	1199	1200
7/12/2022 0:00	1042	1043	1199	1199
7/12/2022 1:00	1042	1043	1196	1199
7/12/2022 2:00	1042	1042	1184	1196
7/12/2022 3:00	1042	1042	1183	1184
7/12/2022 4:00	1041	1042	1182	1186
7/12/2022 5:00	1041	1041	1186	1189
7/12/2022 6:00	1041	1041	1183	1188
7/12/2022 7:00	1040	1041	1185	1191
7/12/2022 8:00	1040	1040	1191	1194
7/12/2022 9:00	1039	1040	1193	1200
7/12/2022 10:00	1039	1039	1200	1200
7/12/2022 11:00	1039	1039	1198	1200
7/12/2022 12:00	1039	1039	1197	1198
7/12/2022 13:00	1038	1039	1196	1197
7/12/2022 14:00	1038	1038	1196	1198
7/12/2022 15:00	1038	1038	1198	1200
7/12/2022 16:00	1038	1038	1200	1200
7/12/2022 17:00	1038	1042	1200	1200
7/12/2022 18:00	1042	1049	1200	1200
7/12/2022 19:00	1049	1050	1200	1200
7/12/2022 20:00	1048	1050	1200	1200
7/12/2022 21:00	1048	1049	1200	1200
7/12/2022 22:00	1046	1049	1200	1200
7/12/2022 23:00	1046	1046	1200	1200
7/13/2022 0:00	1046	1046	1200	1200
7/13/2022 1:00	1043	1046	1200	1200
7/13/2022 2:00	1043	1044	1200	1200
7/13/2022 3:00	1044	1044	1199	1200
7/13/2022 4:00	1044	1044	1199	1200
7/13/2022 5:00	1044	1045	1200	1200
7/13/2022 6:00	1043	1045	1196	1200
7/13/2022 7:00	1040	1043	1193	1196
7/13/2022 8:00	1040	1040	1193	1195
7/13/2022 9:00	1040	1040	1194	1195
7/13/2022 10:00	1040	1040	1194	1195
7/13/2022 11:00	1040	1040	1194	1196
7/13/2022 12:00	1040	1040	1193	1194
7/13/2022 13:00	1039	1040	1193	1200
7/13/2022 14:00	1039	1041	1200	1200
7/13/2022 15:00	1041	1045	1200	1200
7/13/2022 16:00	1044	1045	1200	1200
7/13/2022 17:00	1043	1044	1200	1200
7/13/2022 18:00	1042	1043	1200	1200
7/13/2022 19:00	1042	1045	1200	1200
7/13/2022 20:00	1041	1045	1200	1200
7/13/2022 21:00	1041	1041	1200	1200
7/13/2022 22:00	1041	1041	1200	1200
7/13/2022 23:00	1039	1041	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
7/14/2022 0:00	1038	1039	1200	1200
7/14/2022 1:00	1038	1038	1200	1200
7/14/2022 2:00	1038	1039	1200	1200
7/14/2022 3:00	1039	1039	1200	1200
7/14/2022 4:00	1038	1039	1200	1200
7/14/2022 5:00	1038	1038	1200	1200
7/14/2022 6:00	1038	1039	1200	1200
7/14/2022 7:00	1038	1039	1200	1200
7/14/2022 8:00	1036	1038	1200	1200
7/14/2022 9:00	1036	1036	1200	1200
7/14/2022 10:00	1036	1037	1200	1200
7/14/2022 11:00	1037	1037	1200	1200
7/14/2022 12:00	1037	1037	1200	1200
7/14/2022 13:00	1036	1037	1200	1200
7/14/2022 14:00	1036	1037	1200	1200
7/14/2022 15:00	1036	1037	1200	1200
7/14/2022 16:00	1036	1037	1200	1200
7/14/2022 17:00	1037	1037	1200	1200
7/14/2022 18:00	1036	1037	1200	1200
7/14/2022 19:00	1036	1036	1200	1200
7/14/2022 20:00	1036	1036	1200	1200
7/14/2022 21:00	1036	1036	1200	1200
7/14/2022 22:00	1036	1037	1200	1200
7/14/2022 23:00	1037	1038	1200	1200
7/15/2022 0:00	1038	1038	1200	1200
7/15/2022 1:00	1037	1038	1200	1200
7/15/2022 2:00	1037	1037	1200	1200
7/15/2022 3:00	1037	1037	1200	1200
7/15/2022 4:00	1037	1037	1200	1200
7/15/2022 5:00	1037	1038	1200	1200
7/15/2022 6:00	1038	1038	1200	1200
7/15/2022 7:00	1037	1038	1200	1200
7/15/2022 8:00	1037	1037	1200	1200
7/15/2022 9:00	1036	1037	1200	1200
7/15/2022 10:00	1035	1036	1200	1200
7/15/2022 11:00	1035	1035	1200	1200
7/15/2022 12:00	1035	1035	1200	1200
7/15/2022 13:00	1034	1035	1200	1200
7/15/2022 14:00	1034	1034	1200	1200
7/15/2022 15:00	1034	1034	1200	1200
7/15/2022 16:00	1034	1034	1199	1200
7/15/2022 17:00	1034	1034	1199	1200
7/15/2022 18:00	1034	1035	1200	1200
7/15/2022 19:00	1035	1035	1200	1200
7/15/2022 20:00	1035	1035	1200	1200
7/15/2022 21:00	1035	1035	1200	1200
7/15/2022 22:00	1035	1035	1200	1200
7/15/2022 23:00	1035	1035	1200	1200
7/16/2022 0:00	1035	1035	1200	1200
7/16/2022 1:00	1035	1036	1200	1200
7/16/2022 2:00	1036	1037	1200	1200
7/16/2022 3:00	1037	1037	1197	1200
7/16/2022 4:00	1036	1037	1192	1197
7/16/2022 5:00	1036	1036	1191	1192
7/16/2022 6:00	1036	1036	1189	1192
7/16/2022 7:00	1036	1036	1189	1198
7/16/2022 8:00	1036	1037	1197	1200
7/16/2022 9:00	1036	1037	1200	1200
7/16/2022 10:00	1036	1037	1200	1200
7/16/2022 11:00	1037	1037	1200	1200
7/16/2022 12:00	1036	1037	1200	1200
7/16/2022 13:00	1036	1036	1200	1200
7/16/2022 14:00	1035	1036	1200	1200
7/16/2022 15:00	1035	1036	1200	1200
7/16/2022 16:00	1036	1036	1200	1200
7/16/2022 17:00	1036	1036	1200	1200
7/16/2022 18:00	1036	1036	1200	1200
7/16/2022 19:00	1036	1036	1200	1200
7/16/2022 20:00	1036	1036	1200	1200
7/16/2022 21:00	1036	1036	1200	1200
7/16/2022 22:00	1036	1038	1200	1200
7/16/2022 23:00	1038	1038	1200	1200
7/17/2022 0:00	1038	1038	1200	1200
7/17/2022 1:00	1038	1039	1200	1200
7/17/2022 2:00	1039	1039	1200	1200
7/17/2022 3:00	1039	1040	1200	1200
7/17/2022 4:00	1040	1040	1199	1200
7/17/2022 5:00	1040	1041	1198	1200
7/17/2022 6:00	1041	1043	1198	1200
7/17/2022 7:00	1043	1043	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
7/17/2022 8:00	1043	1043	1200	1200
7/17/2022 9:00	1043	1043	1200	1200
7/17/2022 10:00	1042	1043	1200	1200
7/17/2022 11:00	1041	1042	1200	1200
7/17/2022 12:00	1041	1041	1192	1200
7/17/2022 13:00	1041	1041	1191	1193
7/17/2022 14:00	1041	1041	1190	1193
7/17/2022 15:00	1041	1041	1190	1191
7/17/2022 16:00	1040	1041	1191	1194
7/17/2022 17:00	1040	1040	1194	1198
7/17/2022 18:00	1040	1040	1198	1200
7/17/2022 19:00	1040	1040	1200	1200
7/17/2022 20:00	1040	1040	1200	1200
7/17/2022 21:00	1040	1040	1200	1200
7/17/2022 22:00	1040	1040	1200	1200
7/17/2022 23:00	1040	1040	1200	1200
7/18/2022 0:00	1040	1041	1200	1200
7/18/2022 1:00	1041	1041	1200	1200
7/18/2022 2:00	1041	1041	1200	1200
7/18/2022 3:00	1041	1041	1200	1200
7/18/2022 4:00	1040	1041	1200	1200
7/18/2022 5:00	1040	1040	1200	1200
7/18/2022 6:00	1040	1040	1200	1200
7/18/2022 7:00	1040	1041	1196	1200
7/18/2022 8:00	1040	1041	1194	1196
7/18/2022 9:00	1040	1040	1193	1194
7/18/2022 10:00	1040	1040	1193	1195
7/18/2022 11:00	1040	1041	1190	1194
7/18/2022 12:00	1041	1042	1185	1190
7/18/2022 13:00	1042	1043	1185	1190
7/18/2022 14:00	1041	1043	1188	1191
7/18/2022 15:00	1040	1041	1191	1192
7/18/2022 16:00	1040	1040	1192	1193
7/18/2022 17:00	1040	1040	1193	1195
7/18/2022 18:00	1040	1040	1195	1200
7/18/2022 19:00	1039	1040	1200	1200
7/18/2022 20:00	1039	1055	1200	1200
7/18/2022 21:00	1048	1055	1200	1200
7/18/2022 22:00	1046	1048	1200	1200
7/18/2022 23:00	1038	1046	1200	1200
7/19/2022 0:00	1038	1038	1200	1200
7/19/2022 1:00	1038	1039	1200	1200
7/19/2022 2:00	1039	1041	1200	1200
7/19/2022 3:00	1041	1042	1200	1200
7/19/2022 4:00	1042	1043	1196	1200
7/19/2022 5:00	1043	1044	1193	1196
7/19/2022 6:00	1044	1044	1189	1193
7/19/2022 7:00	1044	1045	1188	1189
7/19/2022 8:00	1045	1045	1189	1192
7/19/2022 9:00	1045	1045	1192	1193
7/19/2022 10:00	1044	1045	1191	1196
7/19/2022 11:00	1044	1044	1196	1200
7/19/2022 12:00	1044	1045	1191	1196
7/19/2022 13:00	1045	1046	1187	1196
7/19/2022 14:00	1042	1046	1196	1200
7/19/2022 15:00	1042	1042	1200	1200
7/19/2022 16:00	1040	1042	1200	1200
7/19/2022 17:00	1040	1042	1200	1200
7/19/2022 18:00	1041	1042	1200	1200
7/19/2022 19:00	1041	1042	1200	1200
7/19/2022 20:00	1038	1042	1200	1200
7/19/2022 21:00	1038	1038	1200	1200
7/19/2022 22:00	1038	1038	1200	1200
7/19/2022 23:00	1038	1038	1200	1200
7/20/2022 0:00	1038	1038	1194	1200
7/20/2022 1:00	1038	1038	1190	1195
7/20/2022 2:00	1038	1038	1190	1193
7/20/2022 3:00	1037	1038	1190	1200
7/20/2022 4:00	1037	1038	1200	1200
7/20/2022 5:00	1038	1038	1200	1200
7/20/2022 6:00	1038	1039	1200	1200
7/20/2022 7:00	1039	1040	1200	1200
7/20/2022 8:00	1040	1041	1199	1200
7/20/2022 9:00	1041	1041	1198	1200
7/20/2022 10:00	1040	1041	1193	1198
7/20/2022 11:00	1039	1040	1193	1194
7/20/2022 12:00	1038	1039	1185	1193
7/20/2022 13:00	1038	1039	1188	1198
7/20/2022 14:00	1039	1042	1198	1200
7/20/2022 15:00	1042	1042	1199	1200

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

Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/20/2022 16:00	1042	1042	1200	1200
7/20/2022 17:00	1042	1042	1200	1200
7/20/2022 18:00	1042	1042	1200	1200
7/20/2022 19:00	1042	1042	1200	1200
7/20/2022 20:00	1042	1042	1200	1200
7/20/2022 21:00	1041	1042	1200	1200
7/20/2022 22:00	1041	1041	1198	1200
7/20/2022 23:00	1040	1041	1198	1200
7/21/2022 0:00	1040	1041	1087	1200
7/21/2022 1:00	1041	1042	1087	1091
7/21/2022 2:00	1042	1043	1091	1099
7/21/2022 3:00	1043	1044	1091	1096
7/21/2022 4:00	1044	1045	1087	1091
7/21/2022 5:00	1045	1046	1082	1089
7/21/2022 6:00	1046	1046	1080	1082
7/21/2022 7:00	1046	1048	1079	1080
7/21/2022 8:00	1048	1048	1079	1080
7/21/2022 9:00	1048	1049	1077	1079
7/21/2022 10:00	1049	1049	1076	1171
7/21/2022 11:00	1049	1049	1171	1200
7/21/2022 12:00	1049	1049	1198	1200
7/21/2022 13:00	1049	1049	1198	1200
7/21/2022 14:00	1048	1049	1199	1200
7/21/2022 15:00	1048	1049	1194	1199
7/21/2022 16:00	1049	1049	1194	1199
7/21/2022 17:00	1048	1049	1192	1195
7/21/2022 18:00	1047	1048	1190	1196
7/21/2022 19:00	1045	1047	1196	1200
7/21/2022 20:00	1045	1045	1200	1200
7/21/2022 21:00	1044	1045	1200	1200
7/21/2022 22:00	1044	1044	1200	1200
7/21/2022 23:00	1044	1044	1200	1200
7/22/2022 0:00	1043	1044	1200	1200
7/22/2022 1:00	1041	1043	1200	1200
7/22/2022 2:00	1041	1041	1200	1200
7/22/2022 3:00	1041	1041	1184	1200
7/22/2022 4:00	1041	1041	1167	1184
7/22/2022 5:00	1040	1041	1173	1177
7/22/2022 6:00	1040	1040	1177	1198
7/22/2022 7:00	1038	1040	1198	1200
7/22/2022 8:00	1038	1039	1200	1200
7/22/2022 9:00	1039	1040	1200	1200
7/22/2022 10:00	1039	1040	1200	1200
7/22/2022 11:00	1039	1040	1200	1200
7/22/2022 12:00	1040	1040	1200	1200
7/22/2022 13:00	1040	1041	1200	1200
7/22/2022 14:00	1041	1041	1200	1200
7/22/2022 15:00	1041	1041	1200	1200
7/22/2022 16:00	1041	1041	1200	1200
7/22/2022 17:00	1041	1041	1200	1200
7/22/2022 18:00	1041	1041	1200	1200
7/22/2022 19:00	1041	1041	1200	1200
7/22/2022 20:00	1041	1041	1200	1200
7/22/2022 21:00	1038	1041	1200	1200
7/22/2022 22:00	1038	1038	1200	1200
7/22/2022 23:00	1038	1043	1199	1200
7/23/2022 0:00	1043	1043	1190	1199
7/23/2022 1:00	1039	1043	1187	1191
7/23/2022 2:00	1039	1041	1187	1200
7/23/2022 3:00	1041	1042	1198	1200
7/23/2022 4:00	1042	1042	1197	1199
7/23/2022 5:00	1042	1042	1197	1200
7/23/2022 6:00	1040	1042	1195	1200
7/23/2022 7:00	1039	1040	1195	1199
7/23/2022 8:00	1037	1039	1198	1200
7/23/2022 9:00	1037	1041	1200	1200
7/23/2022 10:00	1041	1041	1200	1200
7/23/2022 11:00	1041	1041	1200	1200
7/23/2022 12:00	1040	1041	1200	1200
7/23/2022 13:00	1040	1040	1200	1200
7/23/2022 14:00	1039	1040	1200	1200
7/23/2022 15:00	1039	1039	1200	1200
7/23/2022 16:00	1039	1039	1200	1200
7/23/2022 17:00	1039	1039	1200	1200
7/23/2022 18:00	1039	1039	1200	1200
7/23/2022 19:00	1039	1039	1200	1200
7/23/2022 20:00	1039	1040	1200	1200
7/23/2022 21:00	1038	1040	1200	1200
7/23/2022 22:00	1036	1038	1200	1200
7/23/2022 23:00	1036	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
7/24/2022 0:00	1039	1039	1194	1200
7/24/2022 1:00	1039	1039	1187	1194
7/24/2022 2:00	1039	1040	1184	1188
7/24/2022 3:00	1040	1040	1179	1184
7/24/2022 4:00	1040	1040	1179	1190
7/24/2022 5:00	1040	1040	1190	1200
7/24/2022 6:00	1040	1040	1200	1200
7/24/2022 7:00	1039	1040	1200	1200
7/24/2022 8:00	1039	1039	1200	1200
7/24/2022 9:00	1038	1039	1200	1200
7/24/2022 10:00	1036	1038	1200	1200
7/24/2022 11:00	1036	1036	1200	1200
7/24/2022 12:00	1036	1036	1200	1200
7/24/2022 13:00	1036	1036	1200	1200
7/24/2022 14:00	1036	1036	1200	1200
7/24/2022 15:00	1036	1039	1200	1200
7/24/2022 16:00	1039	1039	1200	1200
7/24/2022 17:00	1039	1039	1200	1200
7/24/2022 18:00	1039	1039	1200	1200
7/24/2022 19:00	1039	1039	1200	1200
7/24/2022 20:00	1039	1039	1200	1200
7/24/2022 21:00	1038	1039	1200	1200
7/24/2022 22:00	1038	1038	1200	1200
7/24/2022 23:00	1038	1038	1199	1200
7/25/2022 0:00	1038	1039	1198	1200
7/25/2022 1:00	1039	1039	1198	1200
7/25/2022 2:00	1039	1039	1199	1200
7/25/2022 3:00	1039	1039	1199	1200
7/25/2022 4:00	1039	1039	1200	1200
7/25/2022 5:00	1038	1039	1200	1200
7/25/2022 6:00	1038	1038	1200	1200
7/25/2022 7:00	1038	1038	1200	1200
7/25/2022 8:00	1038	1038	1200	1200
7/25/2022 9:00	1037	1038	1200	1200
7/25/2022 10:00	1037	1038	1200	1200
7/25/2022 11:00	1038	1038	1200	1200
7/25/2022 12:00	1038	1039	1200	1200
7/25/2022 13:00	1038	1039	1200	1200
7/25/2022 14:00	1038	1038	1200	1200
7/25/2022 15:00	1038	1038	1200	1200
7/25/2022 16:00	1038	1038	1200	1200
7/25/2022 17:00	1038	1038	1200	1200
7/25/2022 18:00	1038	1038	1200	1200
7/25/2022 19:00	1038	1038	1200	1200
7/25/2022 20:00	1038	1038	1200	1200
7/25/2022 21:00	1037	1038	1200	1200
7/25/2022 22:00	1037	1037	1200	1200
7/25/2022 23:00	1037	1037	1200	1200
7/26/2022 0:00	1037	1037	1200	1200
7/26/2022 1:00	1037	1038	1198	1200
7/26/2022 2:00	1038	1038	1197	1198
7/26/2022 3:00	1037	1038	1198	1200
7/26/2022 4:00	1036	1037	1200	1200
7/26/2022 5:00	1036	1036	1200	1200
7/26/2022 6:00	1036	1036	1200	1200
7/26/2022 7:00	1036	1036	1200	1200
7/26/2022 8:00	1036	1036	1200	1200
7/26/2022 9:00	1036	1036	1200	1200
7/26/2022 10:00	1036	1037	1191	1200
7/26/2022 11:00	1036	1037	1191	1196
7/26/2022 12:00	1036	1036	1196	1200
7/26/2022 13:00	1036	1036	1200	1200
7/26/2022 14:00	1036	1040	1200	1200
7/26/2022 15:00	1040	1040	1200	1200
7/26/2022 16:00	1040	1040	1200	1200
7/26/2022 17:00	1039	1040	1200	1200
7/26/2022 18:00	1039	1039	1200	1200
7/26/2022 19:00	1039	1040	1200	1200
7/26/2022 20:00	1040	1040	1200	1200
7/26/2022 21:00	1040	1041	1199	1200
7/26/2022 22:00	1040	1041	1199	1200
7/26/2022 23:00	1040	1040	1195	1199
7/27/2022 0:00	1040	1040	1198	1200
7/27/2022 1:00	1040	1041	1200	1200
7/27/2022 2:00	1041	1041	1200	1200
7/27/2022 3:00	1041	1042	1200	1200
7/27/2022 4:00	1042	1042	1200	1200
7/27/2022 5:00	1042	1042	1200	1200
7/27/2022 6:00	1042	1042	1200	1200
7/27/2022 7:00	1041	1042	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
7/27/2022 8:00	1041	1041	1198	1200
7/27/2022 9:00	1041	1041	1198	1200
7/27/2022 10:00	1040	1041	1200	1200
7/27/2022 11:00	1038	1040	1200	1200
7/27/2022 12:00	1038	1038	1200	1200
7/27/2022 13:00	1038	1038	1200	1200
7/27/2022 14:00	1038	1038	1200	1200
7/27/2022 15:00	1038	1042	1200	1200
7/27/2022 16:00	1041	1042	1200	1200
7/27/2022 17:00	1040	1041	1200	1200
7/27/2022 18:00	1039	1040	1200	1200
7/27/2022 19:00	1038	1039	1200	1200
7/27/2022 20:00	1038	1038	1200	1200
7/27/2022 21:00	1038	1039	1200	1200
7/27/2022 22:00	1039	1040	1198	1200
7/27/2022 23:00	1040	1040	1198	1200
7/28/2022 0:00	1040	1041	1189	1200
7/28/2022 1:00	1041	1042	1189	1192
7/28/2022 2:00	1042	1042	1192	1200
7/28/2022 3:00	1042	1042	1199	1200
7/28/2022 4:00	1042	1042	1200	1200
7/28/2022 5:00	1042	1042	1200	1200
7/28/2022 6:00	1042	1042	1199	1200
7/28/2022 7:00	1041	1042	1193	1199
7/28/2022 8:00	1041	1041	1191	1193
7/28/2022 9:00	1041	1041	1192	1194
7/28/2022 10:00	1041	1042	1194	1199
7/28/2022 11:00	1041	1042	1199	1200
7/28/2022 12:00	1041	1041	1200	1200
7/28/2022 13:00	1041	1041	1200	1200
7/28/2022 14:00	1040	1041	1200	1200
7/28/2022 15:00	1040	1040	1200	1200
7/28/2022 16:00	1039	1040	1199	1200
7/28/2022 17:00	1039	1039	1199	1200
7/28/2022 18:00	1039	1040	1200	1200
7/28/2022 19:00	1039	1040	1200	1200
7/28/2022 20:00	1038	1039	1200	1200
7/28/2022 21:00	1038	1038	1200	1200
7/28/2022 22:00	1038	1038	1200	1200
7/28/2022 23:00	1038	1038	1200	1200
7/29/2022 0:00	1038	1039	1200	1200
7/29/2022 1:00	1039	1040	1200	1200
7/29/2022 2:00	1040	1040	1200	1200
7/29/2022 3:00	1040	1040	1200	1200
7/29/2022 4:00	1040	1040	1200	1200
7/29/2022 5:00	1040	1040	1200	1200
7/29/2022 6:00	1040	1040	1200	1200
7/29/2022 7:00	1039	1040	1197	1200
7/29/2022 8:00	1039	1039	1200	1200
7/29/2022 9:00	1039	1039	1200	1200
7/29/2022 10:00	1039	1039	1200	1200
7/29/2022 11:00	1039	1039	1200	1200
7/29/2022 12:00	1039	1039	1200	1200
7/29/2022 13:00	1039	1039	1200	1200
7/29/2022 14:00	1039	1040	1200	1200
7/29/2022 15:00	1040	1040	1200	1200
7/29/2022 16:00	1038	1040	1200	1200
7/29/2022 17:00	1037	1038	1200	1200
7/29/2022 18:00	1037	1037	1200	1200
7/29/2022 19:00	1036	1037	1200	1200
7/29/2022 20:00	1035	1036	1200	1200
7/29/2022 21:00	1035	1035	1200	1200
7/29/2022 22:00	1035	1035	1200	1200
7/29/2022 23:00	1035	1036	1200	1200
7/30/2022 0:00	1036	1037	1200	1200
7/30/2022 1:00	1037	1037	1200	1200
7/30/2022 2:00	1037	1037	1200	1200
7/30/2022 3:00	1037	1037	1200	1200
7/30/2022 4:00	1037	1037	1200	1200
7/30/2022 5:00	1037	1037	1199	1200
7/30/2022 6:00	1036	1037	1197	1200
7/30/2022 7:00	1036	1036	1196	1197
7/30/2022 8:00	1035	1036	1197	1200
7/30/2022 9:00	1035	1035	1200	1200
7/30/2022 10:00	1034	1035	1200	1200
7/30/2022 11:00	1034	1034	1200	1200
7/30/2022 12:00	1034	1034	1200	1200
7/30/2022 13:00	1034	1034	1200	1200
7/30/2022 14:00	1034	1034	1200	1200
7/30/2022 15:00	1034	1034	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
7/30/2022 16:00	1034	1034	1200	1200
7/30/2022 17:00	1034	1034	1200	1200
7/30/2022 18:00	1034	1034	1200	1200
7/30/2022 19:00	1034	1035	1200	1200
7/30/2022 20:00	1034	1035	1200	1200
7/30/2022 21:00	1034	1034	1200	1200
7/30/2022 22:00	1033	1034	1200	1200
7/30/2022 23:00	1033	1043	1200	1200
7/31/2022 0:00	1043	1043	1200	1200
7/31/2022 1:00	1043	1043	1200	1200
7/31/2022 2:00	1043	1043	1200	1200
7/31/2022 3:00	1042	1043	1200	1200
7/31/2022 4:00	1042	1042	1200	1200
7/31/2022 5:00	1038	1042	1200	1200
7/31/2022 6:00	1034	1038	1200	1200
7/31/2022 7:00	1033	1034	1200	1200
7/31/2022 8:00	1033	1033	1200	1200
7/31/2022 9:00	1033	1033	1200	1200
7/31/2022 10:00	1032	1033	1200	1200
7/31/2022 11:00	1032	1033	1200	1200
7/31/2022 12:00	1033	1034	1200	1200
7/31/2022 13:00	1034	1034	1200	1200
7/31/2022 14:00	1034	1034	1200	1200
7/31/2022 15:00	1034	1035	1200	1200
7/31/2022 16:00	1035	1035	1200	1200
7/31/2022 17:00	1035	1035	1200	1200
7/31/2022 18:00	1035	1035	1200	1200
7/31/2022 19:00	1035	1035	1200	1200
7/31/2022 20:00	1034	1035	1200	1200
7/31/2022 21:00	1034	1034	1200	1200
7/31/2022 22:00	1034	1034	1200	1200
7/31/2022 23:00	1034	1034	1200	1200