



825 Rice Street  
Saint Paul, MN 55117

July 20, 2021

Steve Kahl, Executive Secretary  
North Dakota Public Service Commission  
State Capitol Building, Dept. 408  
600 East Boulevard  
Bismarck, ND 58505-0480

SUBJECT: Xcel Energy Gas Heating Values Report

Dear Mr. Kahl:

Enclosed with this letter are Xcel Energy's natural gas heating value reports for June 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
6/1/2021 0:00	1033	1033	1200	1200
6/1/2021 1:00	1033	1033	1200	1200
6/1/2021 2:00	1033	1033	1200	1200
6/1/2021 3:00	1033	1033	1200	1200
6/1/2021 4:00	1033	1033	1200	1200
6/1/2021 5:00	1032	1033	1200	1200
6/1/2021 6:00	1032	1032	1194	1200
6/1/2021 7:00	1032	1032	1192	1194
6/1/2021 8:00	1032	1033	1191	1192
6/1/2021 9:00	1033	1037	1189	1191
6/1/2021 10:00	1037	1037	1188	1189
6/1/2021 11:00	1037	1037	1183	1188
6/1/2021 12:00	1037	1037	1183	1188
6/1/2021 13:00	1036	1037	1188	1194
6/1/2021 14:00	1035	1036	1194	1197
6/1/2021 15:00	1035	1035	1196	1197
6/1/2021 16:00	1035	1036	1193	1196
6/1/2021 17:00	1036	1038	1193	1195
6/1/2021 18:00	1038	1039	1195	1198
6/1/2021 19:00	1039	1040	1198	1200
6/1/2021 20:00	1040	1040	1200	1200
6/1/2021 21:00	1039	1040	1200	1200
6/1/2021 22:00	1038	1039	1200	1200
6/1/2021 23:00	1038	1038	1200	1200
6/2/2021 0:00	1037	1038	1200	1200
6/2/2021 1:00	1037	1037	1200	1200
6/2/2021 2:00	1037	1038	1200	1200
6/2/2021 3:00	1038	1039	1200	1200
6/2/2021 4:00	1039	1039	1200	1200
6/2/2021 5:00	1038	1039	1200	1200
6/2/2021 6:00	1038	1038	1200	1200
6/2/2021 7:00	1038	1038	1200	1200
6/2/2021 8:00	1038	1038	1200	1200
6/2/2021 9:00	1038	1038	1200	1200
6/2/2021 10:00	1038	1038	1200	1200
6/2/2021 11:00	1038	1038	1200	1200
6/2/2021 12:00	1038	1038	1200	1200
6/2/2021 13:00	1038	1038	1200	1200
6/2/2021 14:00	1038	1038	1200	1200
6/2/2021 15:00	1038	1038	1200	1200
6/2/2021 16:00	1038	1038	1200	1200
6/2/2021 17:00	1038	1038	1200	1200
6/2/2021 18:00	1038	1038	1200	1200
6/2/2021 19:00	1038	1038	1200	1200
6/2/2021 20:00	1038	1038	1200	1200
6/2/2021 21:00	1038	1038	1200	1200
6/2/2021 22:00	1038	1038	1200	1200
6/2/2021 23:00	1038	1038	1200	1200
6/3/2021 0:00	1038	1038	1200	1200
6/3/2021 1:00	1038	1038	1191	1200
6/3/2021 2:00	1038	1038	1188	1191
6/3/2021 3:00	1038	1038	1185	1188
6/3/2021 4:00	1038	1039	1176	1187
6/3/2021 5:00	1039	1039	1176	1182
6/3/2021 6:00	1039	1039	1182	1200
6/3/2021 7:00	1039	1039	1200	1200
6/3/2021 8:00	1039	1039	1200	1200
6/3/2021 9:00	1039	1039	973	1200
6/3/2021 10:00	1038	1039	800	973
6/3/2021 11:00	1038	1038	800	800
6/3/2021 12:00	1038	1038	800	1127
6/3/2021 13:00	1038	1038	1127	1187
6/3/2021 14:00	1038	1038	1187	1188
6/3/2021 15:00	1038	1038	1188	1200
6/3/2021 16:00	1038	1038	1200	1200
6/3/2021 17:00	1038	1038	1200	1200
6/3/2021 18:00	1038	1038	1200	1200
6/3/2021 19:00	1038	1038	1125	1200
6/3/2021 20:00	1038	1038	1096	1125
6/3/2021 21:00	1038	1038	912	1096
6/3/2021 22:00	1037	1038	940	1200
6/3/2021 23:00	1037	1037	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
6/4/2021 0:00	1037	1037	1200	1200
6/4/2021 1:00	1037	1037	1200	1200
6/4/2021 2:00	1037	1037	1200	1200
6/4/2021 3:00	1037	1037	1200	1200
6/4/2021 4:00	1037	1037	1200	1200
6/4/2021 5:00	1037	1037	1200	1200
6/4/2021 6:00	1037	1037	1200	1200
6/4/2021 7:00	1037	1037	1200	1200
6/4/2021 8:00	1037	1037	1200	1200
6/4/2021 9:00	1037	1038	1200	1200
6/4/2021 10:00	1038	1038	1200	1200
6/4/2021 11:00	1038	1038	1200	1200
6/4/2021 12:00	1038	1038	1200	1200
6/4/2021 13:00	1038	1038	1200	1200
6/4/2021 14:00	1038	1038	1200	1200
6/4/2021 15:00	1038	1038	1200	1200
6/4/2021 16:00	1038	1038	1200	1200
6/4/2021 17:00	1038	1038	1200	1200
6/4/2021 18:00	1038	1038	1200	1200
6/4/2021 19:00	1038	1038	1200	1200
6/4/2021 20:00	1038	1038	1200	1200
6/4/2021 21:00	1038	1038	1200	1200
6/4/2021 22:00	1038	1039	1200	1200
6/4/2021 23:00	1039	1039	1200	1200
6/5/2021 0:00	1039	1039	1200	1200
6/5/2021 1:00	1039	1039	1200	1200
6/5/2021 2:00	1039	1039	1200	1200
6/5/2021 3:00	1039	1039	1200	1200
6/5/2021 4:00	1039	1039	1200	1200
6/5/2021 5:00	1039	1039	1200	1200
6/5/2021 6:00	1039	1039	1200	1200
6/5/2021 7:00	1039	1040	1200	1200
6/5/2021 8:00	1040	1040	1200	1200
6/5/2021 9:00	1040	1040	1200	1200
6/5/2021 10:00	1040	1040	1200	1200
6/5/2021 11:00	1040	1040	1200	1200
6/5/2021 12:00	1040	1040	1200	1200
6/5/2021 13:00	1040	1040	1200	1200
6/5/2021 14:00	1040	1040	1200	1200
6/5/2021 15:00	1040	1040	1200	1200
6/5/2021 16:00	1040	1040	1200	1200
6/5/2021 17:00	1040	1040	1200	1200
6/5/2021 18:00	1039	1040	1200	1200
6/5/2021 19:00	1039	1039	1200	1200
6/5/2021 20:00	1039	1039	1200	1200
6/5/2021 21:00	1039	1039	1200	1200
6/5/2021 22:00	1039	1039	1200	1200
6/5/2021 23:00	1039	1039	1200	1200
6/6/2021 0:00	1038	1039	1200	1200
6/6/2021 1:00	1038	1038	1200	1200
6/6/2021 2:00	1038	1038	1200	1200
6/6/2021 3:00	1038	1038	1200	1200
6/6/2021 4:00	1037	1038	1200	1200
6/6/2021 5:00	1037	1037	1200	1200
6/6/2021 6:00	1037	1037	1200	1200
6/6/2021 7:00	1037	1037	1200	1200
6/6/2021 8:00	1037	1037	1200	1200
6/6/2021 9:00	1037	1037	1200	1200
6/6/2021 10:00	1036	1037	1200	1200
6/6/2021 11:00	1036	1036	1200	1200
6/6/2021 12:00	1036	1036	1200	1200
6/6/2021 13:00	1036	1036	1200	1200
6/6/2021 14:00	1036	1036	1200	1200
6/6/2021 15:00	1036	1036	1200	1200
6/6/2021 16:00	1036	1036	1200	1200
6/6/2021 17:00	1036	1036	1200	1200
6/6/2021 18:00	1036	1036	1200	1200
6/6/2021 19:00	1036	1036	1200	1200
6/6/2021 20:00	1036	1036	1200	1200
6/6/2021 21:00	1036	1036	1200	1200
6/6/2021 22:00	1036	1036	1200	1200
6/6/2021 23:00	1036	1036	1200	1200
6/7/2021 0:00	1036	1036	1200	1200
6/7/2021 1:00	1036	1036	1200	1200
6/7/2021 2:00	1036	1036	1200	1200
6/7/2021 3:00	1036	1036	1200	1200
6/7/2021 4:00	1036	1037	1200	1200
6/7/2021 5:00	1037	1037	1200	1200
6/7/2021 6:00	1037	1037	1200	1200
6/7/2021 7:00	1037	1037	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
6/7/2021 8:00	1037	1037	1200	1200
6/7/2021 9:00	1037	1037	1200	1200
6/7/2021 10:00	1037	1037	1200	1200
6/7/2021 11:00	1037	1037	1200	1200
6/7/2021 12:00	1037	1037	1200	1200
6/7/2021 13:00	1037	1037	1200	1200
6/7/2021 14:00	1037	1037	1200	1200
6/7/2021 15:00	1037	1037	1200	1200
6/7/2021 16:00	1037	1037	1200	1200
6/7/2021 17:00	1037	1037	1200	1200
6/7/2021 18:00	1037	1037	1200	1200
6/7/2021 19:00	1037	1037	1200	1200
6/7/2021 20:00	1037	1037	1200	1200
6/7/2021 21:00	1037	1037	1200	1200
6/7/2021 22:00	1037	1037	1200	1200
6/7/2021 23:00	1037	1037	1200	1200
6/8/2021 0:00	1037	1037	1200	1200
6/8/2021 1:00	1037	1037	1200	1200
6/8/2021 2:00	1037	1037	1200	1200
6/8/2021 3:00	1037	1037	1200	1200
6/8/2021 4:00	1037	1037	1200	1200
6/8/2021 5:00	1037	1037	1200	1200
6/8/2021 6:00	1037	1037	1200	1200
6/8/2021 7:00	1037	1037	1200	1200
6/8/2021 8:00	1037	1037	1200	1200
6/8/2021 9:00	1037	1037	1200	1200
6/8/2021 10:00	1037	1037	1200	1200
6/8/2021 11:00	1037	1037	1200	1200
6/8/2021 12:00	1036	1037	1200	1200
6/8/2021 13:00	1036	1036	1200	1200
6/8/2021 14:00	1036	1036	1200	1200
6/8/2021 15:00	1035	1036	1200	1200
6/8/2021 16:00	1035	1035	1200	1200
6/8/2021 17:00	1035	1035	1200	1200
6/8/2021 18:00	1034	1035	1200	1200
6/8/2021 19:00	1034	1034	1200	1200
6/8/2021 20:00	1034	1034	1200	1200
6/8/2021 21:00	1034	1034	1200	1200
6/8/2021 22:00	1034	1034	1200	1200
6/8/2021 23:00	1034	1034	1200	1200
6/9/2021 0:00	1033	1034	1200	1200
6/9/2021 1:00	1033	1033	1200	1200
6/9/2021 2:00	1033	1033	1200	1200
6/9/2021 3:00	1033	1033	1200	1200
6/9/2021 4:00	1033	1033	1200	1200
6/9/2021 5:00	1033	1033	1200	1200
6/9/2021 6:00	1033	1033	1200	1200
6/9/2021 7:00	1033	1033	1200	1200
6/9/2021 8:00	1033	1033	1200	1200
6/9/2021 9:00	1033	1033	1200	1200
6/9/2021 10:00	1033	1033	1200	1200
6/9/2021 11:00	1032	1033	1200	1200
6/9/2021 12:00	1032	1032	1200	1200
6/9/2021 13:00	1032	1032	1200	1200
6/9/2021 14:00	1032	1032	1200	1200
6/9/2021 15:00	1032	1033	1200	1200
6/9/2021 16:00	1032	1033	1200	1200
6/9/2021 17:00	1032	1032	1200	1200
6/9/2021 18:00	1032	1033	1200	1200
6/9/2021 19:00	1033	1034	1200	1200
6/9/2021 20:00	1034	1034	1200	1200
6/9/2021 21:00	1034	1034	1200	1200
6/9/2021 22:00	1034	1034	1200	1200
6/9/2021 23:00	1034	1034	1200	1200
6/10/2021 0:00	1034	1038	1200	1200
6/10/2021 1:00	1038	1039	1200	1200
6/10/2021 2:00	1036	1039	1200	1200
6/10/2021 3:00	1033	1036	1200	1200
6/10/2021 4:00	1033	1034	1200	1200
6/10/2021 5:00	1034	1034	1200	1200
6/10/2021 6:00	1033	1034	1200	1200
6/10/2021 7:00	1032	1033	1200	1200
6/10/2021 8:00	1032	1032	1200	1200
6/10/2021 9:00	1032	1033	1200	1200
6/10/2021 10:00	1033	1033	1200	1200
6/10/2021 11:00	1033	1033	1200	1200
6/10/2021 12:00	1033	1033	1200	1200
6/10/2021 13:00	1033	1033	1200	1200
6/10/2021 14:00	1033	1033	1197	1200
6/10/2021 15:00	1033	1033	1193	1197

**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
6/10/2021 16:00	1033	1033	1193	1195
6/10/2021 17:00	1033	1033	1189	1195
6/10/2021 18:00	1033	1033	1182	1189
6/10/2021 19:00	1033	1033	1180	1182
6/10/2021 20:00	1033	1033	1180	1181
6/10/2021 21:00	1033	1033	1181	1183
6/10/2021 22:00	1033	1033	1180	1183
6/10/2021 23:00	1033	1033	1180	1181
6/11/2021 0:00	1033	1033	1181	1182
6/11/2021 1:00	1033	1033	1181	1181
6/11/2021 2:00	1033	1033	1181	1186
6/11/2021 3:00	1033	1033	1186	1191
6/11/2021 4:00	1033	1033	1191	1198
6/11/2021 5:00	1033	1033	1198	1200
6/11/2021 6:00	1033	1033	1200	1200
6/11/2021 7:00	1033	1033	1200	1200
6/11/2021 8:00	1033	1033	1200	1200
6/11/2021 9:00	1033	1034	1200	1200
6/11/2021 10:00	1033	1034	1200	1200
6/11/2021 11:00	1033	1033	1200	1200
6/11/2021 12:00	1033	1033	1200	1200
6/11/2021 13:00	1033	1035	1200	1200
6/11/2021 14:00	1035	1038	1200	1200
6/11/2021 15:00	1037	1038	1200	1200
6/11/2021 16:00	1036	1037	1197	1200
6/11/2021 17:00	1036	1036	1197	1199
6/11/2021 18:00	1036	1036	1199	1199
6/11/2021 19:00	1035	1036	1198	1199
6/11/2021 20:00	1035	1035	1198	1198
6/11/2021 21:00	1035	1036	1198	1199
6/11/2021 22:00	1036	1036	1198	1199
6/11/2021 23:00	1035	1036	1198	1199
6/12/2021 0:00	1034	1035	1197	1199
6/12/2021 1:00	1034	1034	1193	1197
6/12/2021 2:00	1034	1035	1193	1193
6/12/2021 3:00	1035	1035	1193	1194
6/12/2021 4:00	1035	1036	1194	1196
6/12/2021 5:00	1036	1040	1196	1199
6/12/2021 6:00	1039	1040	1199	1200
6/12/2021 7:00	1037	1039	1200	1200
6/12/2021 8:00	1037	1037	1200	1200
6/12/2021 9:00	1037	1042	1200	1200
6/12/2021 10:00	1038	1042	1200	1200
6/12/2021 11:00	1035	1038	1200	1200
6/12/2021 12:00	1033	1035	1200	1200
6/12/2021 13:00	1032	1033	1200	1200
6/12/2021 14:00	1032	1035	1200	1200
6/12/2021 15:00	1035	1036	1200	1200
6/12/2021 16:00	1036	1036	1200	1200
6/12/2021 17:00	1035	1036	1200	1200
6/12/2021 18:00	1035	1035	1200	1200
6/12/2021 19:00	1035	1035	1197	1200
6/12/2021 20:00	1035	1036	1197	1198
6/12/2021 21:00	1035	1036	1196	1198
6/12/2021 22:00	1035	1035	1197	1200
6/12/2021 23:00	1035	1035	1200	1200
6/13/2021 0:00	1035	1035	1198	1200
6/13/2021 1:00	1034	1035	1199	1200
6/13/2021 2:00	1034	1034	1200	1200
6/13/2021 3:00	1034	1035	1199	1200
6/13/2021 4:00	1035	1036	1199	1200
6/13/2021 5:00	1036	1036	1200	1200
6/13/2021 6:00	1036	1037	1200	1200
6/13/2021 7:00	1037	1037	1200	1200
6/13/2021 8:00	1037	1037	1200	1200
6/13/2021 9:00	1037	1037	1200	1200
6/13/2021 10:00	1037	1037	1200	1200
6/13/2021 11:00	1037	1037	1200	1200
6/13/2021 12:00	1037	1038	1200	1200
6/13/2021 13:00	1038	1038	1200	1200
6/13/2021 14:00	1038	1038	1200	1200
6/13/2021 15:00	1038	1039	1198	1200
6/13/2021 16:00	1039	1039	1196	1198
6/13/2021 17:00	1039	1039	1196	1197
6/13/2021 18:00	1039	1040	1194	1196
6/13/2021 19:00	1040	1040	1192	1194
6/13/2021 20:00	1040	1041	1192	1193
6/13/2021 21:00	1041	1041	1192	1193
6/13/2021 22:00	1041	1041	1193	1194
6/13/2021 23:00	1041	1041	1193	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
6/14/2021 0:00	1040	1041	1194	1197
6/14/2021 1:00	1039	1040	1197	1198
6/14/2021 2:00	1038	1039	1198	1200
6/14/2021 3:00	1037	1038	1200	1200
6/14/2021 4:00	1037	1037	1200	1200
6/14/2021 5:00	1036	1037	1200	1200
6/14/2021 6:00	1035	1036	1200	1200
6/14/2021 7:00	1035	1035	1196	1200
6/14/2021 8:00	1034	1035	1196	1199
6/14/2021 9:00	1033	1034	1199	1200
6/14/2021 10:00	1033	1033	1200	1200
6/14/2021 11:00	1033	1033	1200	1200
6/14/2021 12:00	1033	1033	1200	1200
6/14/2021 13:00	1033	1033	1200	1200
6/14/2021 14:00	1033	1033	1198	1200
6/14/2021 15:00	1033	1033	1194	1198
6/14/2021 16:00	1033	1033	1194	1196
6/14/2021 17:00	1033	1034	1196	1196
6/14/2021 18:00	1034	1034	1195	1196
6/14/2021 19:00	1034	1035	1195	1196
6/14/2021 20:00	1035	1035	1196	1196
6/14/2021 21:00	1034	1035	1196	1197
6/14/2021 22:00	1034	1034	1193	1196
6/14/2021 23:00	1034	1034	1191	1193
6/15/2021 0:00	1033	1034	1190	1191
6/15/2021 1:00	1033	1033	1190	1193
6/15/2021 2:00	1033	1033	1193	1199
6/15/2021 3:00	1033	1033	1199	1200
6/15/2021 4:00	1033	1035	1200	1200
6/15/2021 5:00	1035	1039	1200	1200
6/15/2021 6:00	1038	1039	1200	1200
6/15/2021 7:00	1037	1038	1200	1200
6/15/2021 8:00	1037	1037	1200	1200
6/15/2021 9:00	1037	1038	1200	1200
6/15/2021 10:00	1038	1038	1200	1200
6/15/2021 11:00	1038	1038	1200	1200
6/15/2021 12:00	1038	1039	1200	1200
6/15/2021 13:00	1039	1040	1200	1200
6/15/2021 14:00	1040	1040	1198	1200
6/15/2021 15:00	1040	1040	1195	1198
6/15/2021 16:00	1040	1041	1194	1195
6/15/2021 17:00	1040	1041	1193	1194
6/15/2021 18:00	1038	1040	1193	1193
6/15/2021 19:00	1036	1038	1193	1193
6/15/2021 20:00	1033	1036	1193	1194
6/15/2021 21:00	1032	1033	1193	1193
6/15/2021 22:00	1032	1032	1192	1193
6/15/2021 23:00	1032	1032	1191	1193
6/16/2021 0:00	1032	1032	1190	1191
6/16/2021 1:00	1032	1032	1190	1194
6/16/2021 2:00	1032	1032	1194	1197
6/16/2021 3:00	1032	1032	1195	1197
6/16/2021 4:00	1032	1032	1195	1198
6/16/2021 5:00	1032	1032	1198	1200
6/16/2021 6:00	1031	1032	1200	1200
6/16/2021 7:00	1031	1031	1200	1200
6/16/2021 8:00	1031	1032	1200	1200
6/16/2021 9:00	1032	1032	1200	1200
6/16/2021 10:00	1032	1033	1200	1200
6/16/2021 11:00	1033	1033	1200	1200
6/16/2021 12:00	1033	1033	1200	1200
6/16/2021 13:00	1033	1033	1193	1200
6/16/2021 14:00	1033	1033	1193	1194
6/16/2021 15:00	1033	1033	1193	1194
6/16/2021 16:00	1033	1033	1194	1197
6/16/2021 17:00	1032	1033	1195	1197
6/16/2021 18:00	1032	1032	1193	1195
6/16/2021 19:00	1031	1032	1193	1193
6/16/2021 20:00	1031	1031	1189	1193
6/16/2021 21:00	1031	1031	1189	1191
6/16/2021 22:00	1031	1031	1191	1192
6/16/2021 23:00	1031	1031	1192	1193
6/17/2021 0:00	1031	1032	1192	1193
6/17/2021 1:00	1032	1032	1189	1192
6/17/2021 2:00	1032	1032	1191	1197
6/17/2021 3:00	1032	1033	1197	1200
6/17/2021 4:00	1033	1033	1200	1200
6/17/2021 5:00	1033	1033	1200	1200
6/17/2021 6:00	1033	1033	1200	1200
6/17/2021 7:00	1033	1033	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
6/17/2021 8:00	1033	1034	1199	1200
6/17/2021 9:00	1034	1034	1197	1199
6/17/2021 10:00	1034	1034	1197	1197
6/17/2021 11:00	1034	1034	1194	1197
6/17/2021 12:00	1034	1034	1194	1195
6/17/2021 13:00	1033	1034	1195	1197
6/17/2021 14:00	1033	1033	1197	1198
6/17/2021 15:00	1033	1033	1198	1199
6/17/2021 16:00	1033	1033	1198	1199
6/17/2021 17:00	1032	1033	1197	1198
6/17/2021 18:00	1032	1032	1196	1198
6/17/2021 19:00	1031	1032	1198	1200
6/17/2021 20:00	1031	1031	1200	1200
6/17/2021 21:00	1031	1031	1199	1200
6/17/2021 22:00	1031	1032	1197	1199
6/17/2021 23:00	1032	1033	1197	1199
6/18/2021 0:00	1033	1034	1199	1200
6/18/2021 1:00	1034	1035	1200	1200
6/18/2021 2:00	1035	1035	1200	1200
6/18/2021 3:00	1035	1037	1200	1200
6/18/2021 4:00	1037	1038	1200	1200
6/18/2021 5:00	1038	1042	1200	1200
6/18/2021 6:00	1042	1046	1200	1200
6/18/2021 7:00	1046	1049	1200	1200
6/18/2021 8:00	1049	1050	1200	1200
6/18/2021 9:00	1049	1050	1200	1200
6/18/2021 10:00	1049	1049	1200	1200
6/18/2021 11:00	1049	1049	1200	1200
6/18/2021 12:00	1047	1049	1200	1200
6/18/2021 13:00	1045	1047	1197	1200
6/18/2021 14:00	1044	1045	1192	1197
6/18/2021 15:00	1043	1044	1194	1195
6/18/2021 16:00	1043	1043	1195	1200
6/18/2021 17:00	1043	1043	1200	1200
6/18/2021 18:00	1043	1043	1200	1200
6/18/2021 19:00	1042	1043	1200	1200
6/18/2021 20:00	1042	1042	1200	1200
6/18/2021 21:00	1042	1042	1200	1200
6/18/2021 22:00	1042	1042	1200	1200
6/18/2021 23:00	1042	1043	1200	1200
6/19/2021 0:00	1043	1043	1200	1200
6/19/2021 1:00	1042	1043	1200	1200
6/19/2021 2:00	1041	1042	1200	1200
6/19/2021 3:00	1040	1041	1200	1200
6/19/2021 4:00	1040	1040	1200	1200
6/19/2021 5:00	1040	1040	1200	1200
6/19/2021 6:00	1040	1042	1200	1200
6/19/2021 7:00	1042	1043	1200	1200
6/19/2021 8:00	1043	1043	1200	1200
6/19/2021 9:00	1043	1043	1200	1200
6/19/2021 10:00	1043	1043	1200	1200
6/19/2021 11:00	1043	1043	1200	1200
6/19/2021 12:00	1043	1043	1200	1200
6/19/2021 13:00	1042	1043	1198	1200
6/19/2021 14:00	1042	1042	1194	1198
6/19/2021 15:00	1042	1042	1190	1194
6/19/2021 16:00	1042	1042	1189	1191
6/19/2021 17:00	1042	1042	1186	1189
6/19/2021 18:00	1041	1042	1186	1189
6/19/2021 19:00	1040	1041	1188	1189
6/19/2021 20:00	1039	1040	1188	1191
6/19/2021 21:00	1039	1039	1191	1193
6/19/2021 22:00	1039	1040	1193	1197
6/19/2021 23:00	1040	1041	1196	1198
6/20/2021 0:00	1041	1041	1198	1200
6/20/2021 1:00	1041	1041	1200	1200
6/20/2021 2:00	1040	1041	1200	1200
6/20/2021 3:00	1040	1040	1200	1200
6/20/2021 4:00	1039	1040	1200	1200
6/20/2021 5:00	1038	1039	1200	1200
6/20/2021 6:00	1038	1038	1200	1200
6/20/2021 7:00	1037	1038	1200	1200
6/20/2021 8:00	1037	1037	1200	1200
6/20/2021 9:00	1037	1037	1200	1200
6/20/2021 10:00	1037	1038	1200	1200
6/20/2021 11:00	1038	1038	1200	1200
6/20/2021 12:00	1038	1038	1200	1200
6/20/2021 13:00	1038	1039	1198	1200
6/20/2021 14:00	1039	1039	1197	1199
6/20/2021 15:00	1039	1039	1196	1198

**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
6/20/2021 16:00	1038	1039	1198	1200
6/20/2021 17:00	1037	1038	1200	1200
6/20/2021 18:00	1037	1037	1200	1200
6/20/2021 19:00	1037	1037	1200	1200
6/20/2021 20:00	1037	1037	1200	1200
6/20/2021 21:00	1037	1037	1200	1200
6/20/2021 22:00	1037	1037	1200	1200
6/20/2021 23:00	1037	1037	1200	1200
6/21/2021 0:00	1037	1037	1200	1200
6/21/2021 1:00	1036	1037	1200	1200
6/21/2021 2:00	1036	1037	1200	1200
6/21/2021 3:00	1037	1037	1200	1200
6/21/2021 4:00	1037	1037	1200	1200
6/21/2021 5:00	1037	1037	1200	1200
6/21/2021 6:00	1037	1037	1200	1200
6/21/2021 7:00	1037	1037	1200	1200
6/21/2021 8:00	1037	1037	1200	1200
6/21/2021 9:00	1036	1037	1200	1200
6/21/2021 10:00	1036	1037	1200	1200
6/21/2021 11:00	1037	1037	1200	1200
6/21/2021 12:00	1037	1037	1199	1200
6/21/2021 13:00	1037	1038	1199	1200
6/21/2021 14:00	1038	1038	1198	1199
6/21/2021 15:00	1038	1039	1196	1198
6/21/2021 16:00	1039	1039	1196	1196
6/21/2021 17:00	1039	1040	1196	1198
6/21/2021 18:00	1040	1041	1198	1200
6/21/2021 19:00	1041	1041	1199	1200
6/21/2021 20:00	1040	1041	1200	1200
6/21/2021 21:00	1040	1040	1200	1200
6/21/2021 22:00	1040	1040	1200	1200
6/21/2021 23:00	1040	1040	1200	1200
6/22/2021 0:00	1040	1040	1200	1200
6/22/2021 1:00	1040	1040	1200	1200
6/22/2021 2:00	1040	1041	1200	1200
6/22/2021 3:00	1041	1042	1200	1200
6/22/2021 4:00	1042	1042	1200	1200
6/22/2021 5:00	1040	1042	1200	1200
6/22/2021 6:00	1039	1040	1200	1200
6/22/2021 7:00	1038	1039	1200	1200
6/22/2021 8:00	1038	1038	1200	1200
6/22/2021 9:00	1038	1038	1200	1200
6/22/2021 10:00	1038	1039	1200	1200
6/22/2021 11:00	1038	1039	1200	1200
6/22/2021 12:00	1038	1038	1200	1200
6/22/2021 13:00	1038	1038	1200	1200
6/22/2021 14:00	1038	1038	1198	1200
6/22/2021 15:00	1038	1039	1197	1198
6/22/2021 16:00	1038	1039	1197	1198
6/22/2021 17:00	1037	1038	1198	1200
6/22/2021 18:00	1036	1037	1200	1200
6/22/2021 19:00	1035	1036	1200	1200
6/22/2021 20:00	1033	1035	1200	1200
6/22/2021 21:00	1032	1033	1200	1200
6/22/2021 22:00	1032	1032	1199	1200
6/22/2021 23:00	1032	1032	1199	1200
6/23/2021 0:00	1032	1032	1200	1200
6/23/2021 1:00	1032	1032	1200	1200
6/23/2021 2:00	1032	1032	1200	1200
6/23/2021 3:00	1032	1032	1200	1200
6/23/2021 4:00	1032	1032	1200	1200
6/23/2021 5:00	1032	1032	1200	1200
6/23/2021 6:00	1032	1032	1200	1200
6/23/2021 7:00	1032	1032	1200	1200
6/23/2021 8:00	1032	1032	1200	1200
6/23/2021 9:00	1032	1032	1200	1200
6/23/2021 10:00	1032	1032	1200	1200
6/23/2021 11:00	1032	1032	1200	1200
6/23/2021 12:00	1032	1032	1197	1200
6/23/2021 13:00	1032	1032	1193	1197
6/23/2021 14:00	1032	1032	1190	1193
6/23/2021 15:00	1032	1032	1187	1190
6/23/2021 16:00	1032	1033	1187	1189
6/23/2021 17:00	1033	1033	1189	1191
6/23/2021 18:00	1033	1033	1191	1195
6/23/2021 19:00	1033	1033	1195	1198
6/23/2021 20:00	1033	1033	1198	1199
6/23/2021 21:00	1033	1033	1199	1200
6/23/2021 22:00	1033	1033	1200	1200
6/23/2021 23:00	1033	1033	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
6/24/2021 0:00	1033	1033	1200	1200
6/24/2021 1:00	1033	1033	1200	1200
6/24/2021 2:00	1033	1033	1200	1200
6/24/2021 3:00	1033	1033	1200	1200
6/24/2021 4:00	1033	1033	1200	1200
6/24/2021 5:00	1033	1033	1200	1200
6/24/2021 6:00	1033	1033	1200	1200
6/24/2021 7:00	1033	1033	1200	1200
6/24/2021 8:00	1033	1033	1200	1200
6/24/2021 9:00	1033	1033	1200	1200
6/24/2021 10:00	1033	1033	1200	1200
6/24/2021 11:00	1033	1033	1200	1200
6/24/2021 12:00	1033	1033	1200	1200
6/24/2021 13:00	1033	1033	1199	1200
6/24/2021 14:00	1033	1033	1195	1199
6/24/2021 15:00	1033	1033	1193	1195
6/24/2021 16:00	1033	1033	1193	1200
6/24/2021 17:00	1033	1033	1200	1200
6/24/2021 18:00	1032	1033	1200	1200
6/24/2021 19:00	1032	1032	1200	1200
6/24/2021 20:00	1032	1032	1200	1200
6/24/2021 21:00	1032	1032	1200	1200
6/24/2021 22:00	1032	1033	1200	1200
6/24/2021 23:00	1033	1033	1200	1200
6/25/2021 0:00	1033	1035	1200	1200
6/25/2021 1:00	1035	1035	1200	1200
6/25/2021 2:00	1035	1035	1200	1200
6/25/2021 3:00	1035	1035	1200	1200
6/25/2021 4:00	1035	1035	1200	1200
6/25/2021 5:00	1035	1035	1200	1200
6/25/2021 6:00	1035	1035	1195	1200
6/25/2021 7:00	1035	1035	1188	1195
6/25/2021 8:00	1035	1035	1188	1189
6/25/2021 9:00	1034	1035	1188	1191
6/25/2021 10:00	1034	1034	1191	1197
6/25/2021 11:00	1034	1035	1197	1200
6/25/2021 12:00	1035	1035	1200	1200
6/25/2021 13:00	1035	1035	1192	1200
6/25/2021 14:00	1035	1035	1186	1192
6/25/2021 15:00	1035	1035	1185	1187
6/25/2021 16:00	1035	1035	1185	1187
6/25/2021 17:00	1035	1035	1181	1185
6/25/2021 18:00	1035	1035	1181	1184
6/25/2021 19:00	1035	1036	1181	1184
6/25/2021 20:00	1036	1036	1181	1182
6/25/2021 21:00	1036	1036	1182	1183
6/25/2021 22:00	1036	1036	1183	1184
6/25/2021 23:00	1036	1036	1184	1194
6/26/2021 0:00	1036	1037	1194	1198
6/26/2021 1:00	1037	1037	1198	1200
6/26/2021 2:00	1037	1037	1200	1200
6/26/2021 3:00	1037	1037	1200	1200
6/26/2021 4:00	1037	1037	1200	1200
6/26/2021 5:00	1037	1037	1200	1200
6/26/2021 6:00	1036	1037	1200	1200
6/26/2021 7:00	1036	1036	1200	1200
6/26/2021 8:00	1035	1036	1200	1200
6/26/2021 9:00	1035	1035	1200	1200
6/26/2021 10:00	1035	1035	1200	1200
6/26/2021 11:00	1033	1035	1200	1200
6/26/2021 12:00	1033	1033	1197	1200
6/26/2021 13:00	1033	1033	1191	1197
6/26/2021 14:00	1033	1034	1189	1191
6/26/2021 15:00	1034	1034	1191	1196
6/26/2021 16:00	1034	1034	1193	1196
6/26/2021 17:00	1034	1034	1192	1193
6/26/2021 18:00	1033	1034	1193	1194
6/26/2021 19:00	1033	1033	1192	1194
6/26/2021 20:00	1033	1033	1191	1192
6/26/2021 21:00	1033	1033	1191	1192
6/26/2021 22:00	1033	1033	1192	1193
6/26/2021 23:00	1033	1033	1193	1195
6/27/2021 0:00	1033	1034	1195	1196
6/27/2021 1:00	1034	1034	1196	1199
6/27/2021 2:00	1034	1034	1198	1200
6/27/2021 3:00	1034	1034	1200	1200
6/27/2021 4:00	1034	1035	1200	1200
6/27/2021 5:00	1034	1035	1198	1200
6/27/2021 6:00	1034	1034	1196	1198
6/27/2021 7:00	1033	1034	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
6/27/2021 8:00	1033	1033	1200	1200
6/27/2021 9:00	1033	1033	1200	1200
6/27/2021 10:00	1032	1033	1199	1200
6/27/2021 11:00	1032	1032	1199	1200
6/27/2021 12:00	1032	1032	1200	1200
6/27/2021 13:00	1032	1033	1197	1200
6/27/2021 14:00	1033	1033	1190	1197
6/27/2021 15:00	1033	1033	1186	1190
6/27/2021 16:00	1033	1033	1186	1188
6/27/2021 17:00	1033	1033	1188	1189
6/27/2021 18:00	1033	1033	1189	1190
6/27/2021 19:00	1033	1034	1190	1192
6/27/2021 20:00	1034	1034	1192	1192
6/27/2021 21:00	1034	1035	1190	1192
6/27/2021 22:00	1035	1035	1192	1196
6/27/2021 23:00	1035	1035	1196	1200
6/28/2021 0:00	1034	1035	1200	1200
6/28/2021 1:00	1034	1034	1200	1200
6/28/2021 2:00	1034	1034	1200	1200
6/28/2021 3:00	1034	1034	1200	1200
6/28/2021 4:00	1034	1034	1200	1200
6/28/2021 5:00	1034	1035	1200	1200
6/28/2021 6:00	1035	1035	1200	1200
6/28/2021 7:00	1035	1035	1200	1200
6/28/2021 8:00	1035	1035	1200	1200
6/28/2021 9:00	1034	1035	1200	1200
6/28/2021 10:00	1034	1034	1200	1200
6/28/2021 11:00	1034	1034	1200	1200
6/28/2021 12:00	1034	1034	1200	1200
6/28/2021 13:00	1034	1034	1195	1200
6/28/2021 14:00	1034	1034	1192	1195
6/28/2021 15:00	1034	1034	1192	1193
6/28/2021 16:00	1034	1034	1192	1193
6/28/2021 17:00	1033	1034	1191	1193
6/28/2021 18:00	1033	1033	1188	1191
6/28/2021 19:00	1033	1033	1188	1189
6/28/2021 20:00	1033	1033	1188	1189
6/28/2021 21:00	1033	1033	1188	1189
6/28/2021 22:00	1033	1034	1189	1190
6/28/2021 23:00	1034	1034	1190	1193
6/29/2021 0:00	1033	1034	1193	1196
6/29/2021 1:00	1033	1033	1193	1196
6/29/2021 2:00	1033	1034	1191	1193
6/29/2021 3:00	1034	1034	1191	1195
6/29/2021 4:00	1034	1034	1195	1200
6/29/2021 5:00	1034	1034	1200	1200
6/29/2021 6:00	1034	1034	1200	1200
6/29/2021 7:00	1034	1034	1200	1200
6/29/2021 8:00	1034	1034	1200	1200
6/29/2021 9:00	1034	1034	1200	1200
6/29/2021 10:00	1034	1034	1196	1200
6/29/2021 11:00	1034	1034	1188	1196
6/29/2021 12:00	1034	1034	1186	1188
6/29/2021 13:00	1034	1034	1186	1187
6/29/2021 14:00	1034	1034	1183	1187
6/29/2021 15:00	1034	1034	1183	1184
6/29/2021 16:00	1034	1034	1182	1184
6/29/2021 17:00	1034	1034	1182	1183
6/29/2021 18:00	1034	1035	1183	1185
6/29/2021 19:00	1034	1035	1185	1187
6/29/2021 20:00	1034	1035	1187	1187
6/29/2021 21:00	1035	1035	1187	1189
6/29/2021 22:00	1035	1035	1189	1191
6/29/2021 23:00	1035	1036	1191	1197
6/30/2021 0:00	1036	1036	1197	1197
6/30/2021 1:00	1036	1036	1197	1197
6/30/2021 2:00	1036	1036	1197	1197
6/30/2021 3:00	1036	1036	1197	1197
6/30/2021 4:00	1036	1036	1197	1197
6/30/2021 5:00	1036	1036	1197	1197
6/30/2021 6:00	1036	1037	1197	1197
6/30/2021 7:00	1037	1037	1197	1197
6/30/2021 8:00	1037	1037	1197	1197
6/30/2021 9:00	1036	1037	1197	1197
6/30/2021 10:00	1036	1036	1197	1197
6/30/2021 11:00	1036	1036	1197	1197
6/30/2021 12:00	1036	1036	1197	1200
6/30/2021 13:00	1036	1036	1198	1200
6/30/2021 14:00	1036	1036	1194	1198
6/30/2021 15:00	1036	1036	1194	1195
6/30/2021 16:00	1036	1037	1194	1195
6/30/2021 17:00	1037	1037	1193	1194
6/30/2021 18:00	1037	1037	1193	1194
6/30/2021 19:00	1037	1037	1193	1194
6/30/2021 20:00	1037	1037	1193	1193
6/30/2021 21:00	1037	1037	1192	1193
6/30/2021 22:00	1036	1037	1190	1192
6/30/2021 23:00	1036	1036	1190	1191