



825 Rice Street  
Saint Paul, MN 55117

August 28, 2019

Darrell Nitschke, 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. Nitschke:

Enclosed with this letter are Xcel Energy's natural gas heating value reports for July 2019 as required by N.D. PU-19-92.

If you need further information or clarification regarding the enclosed response, please contact myself at 651-229-2282.

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
7/1/2019 0:40	1037	1037	1200	1200
7/1/2019 1:37	1037	1037	1200	1200
7/1/2019 2:39	1037	1037	1200	1200
7/1/2019 3:35	1037	1037	1200	1200
7/1/2019 4:38	1036	1037	1200	1200
7/1/2019 5:34	1036	1036	1200	1200
7/1/2019 6:37	1035	1036	1200	1200
7/1/2019 7:40	1035	1035	1200	1200
7/1/2019 8:38	1035	1035	1200	1200
7/1/2019 9:39	1035	1035	1200	1200
7/1/2019 10:35	1035	1035	1200	1200
7/1/2019 11:38	1035	1035	1200	1200
7/1/2019 12:00	1035	1035	1200	1200
7/1/2019 13:00	1035	1036	1200	1200
7/1/2019 14:44	1035	1036	1200	1200
7/1/2019 15:38	1035	1035	1200	1200
7/1/2019 16:00	1035	1036	1200	1200
7/1/2019 17:43	1035	1036	1200	1200
7/1/2019 18:38	1035	1035	1200	1200
7/1/2019 19:34	1034	1035	1200	1200
7/1/2019 20:44	1034	1034	1200	1200
7/1/2019 21:40	1034	1034	1200	1200
7/1/2019 22:00	1034	1034	1200	1200
7/1/2019 23:00	1034	1035	1200	1200
7/2/2019 0:35	1035	1035	1200	1200
7/2/2019 1:00	1035	1035	1200	1200
7/2/2019 2:00	1035	1036	1200	1200
7/2/2019 3:37	1035	1036	1200	1200
7/2/2019 4:40	1035	1035	1200	1200
7/2/2019 5:37	1035	1035	1200	1200
7/2/2019 6:39	1034	1035	1200	1200
7/2/2019 7:35	1034	1034	1192	1200
7/2/2019 8:38	1034	1034	1192	1193
7/2/2019 9:00	1034	1034	1190	1192
7/2/2019 10:00	1034	1034	1187	1190
7/2/2019 11:00	1034	1034	1185	1187
7/2/2019 12:00	1034	1037	1184	1185
7/2/2019 13:00	1037	1038	1185	1186
7/2/2019 14:00	1038	1038	1183	1185
7/2/2019 15:00	1038	1038	1184	1187
7/2/2019 16:34	1038	1038	1186	1188
7/2/2019 17:37	1038	1038	1183	1188
7/2/2019 18:40	1037	1038	1186	1186
7/2/2019 19:00	1037	1038	1186	1186
7/2/2019 20:39	1037	1038	1182	1186
7/2/2019 21:35	1036	1037	1182	1185
7/2/2019 22:38	1036	1036	1185	1185
7/2/2019 23:34	1035	1036	1182	1185
7/3/2019 0:37	1035	1035	1183	1188
7/3/2019 1:40	1035	1035	1188	1194
7/3/2019 2:37	1035	1035	1194	1200
7/3/2019 3:39	1034	1035	1200	1200
7/3/2019 4:35	1034	1034	1200	1200
7/3/2019 5:38	1034	1034	1200	1200
7/3/2019 6:00	1034	1034	1200	1200
7/3/2019 7:38	1034	1034	1200	1200
7/3/2019 8:00	1034	1034	1200	1200
7/3/2019 9:39	1034	1034	1200	1200
7/3/2019 10:00	1034	1034	1200	1200
7/3/2019 11:00	1034	1035	1200	1200
7/3/2019 12:00	1035	1036	1196	1200
7/3/2019 13:00	1036	1036	1195	1196
7/3/2019 14:38	1036	1036	1195	1197
7/3/2019 15:40	1036	1036	1194	1197
7/3/2019 16:37	1035	1036	1189	1194
7/3/2019 17:39	1035	1035	1187	1189
7/3/2019 18:35	1034	1035	1184	1187
7/3/2019 19:00	1034	1034	1182	1184
7/3/2019 20:34	1034	1034	1182	1182
7/3/2019 21:37	1033	1034	1182	1183
7/3/2019 22:40	1033	1033	1183	1187

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
7/3/2019 23:37	1033	1033	1182	1187
7/4/2019 0:39	1033	1033	1179	1182
7/4/2019 1:35	1032	1033	1179	1184
7/4/2019 2:38	1031	1032	1184	1187
7/4/2019 3:34	1031	1031	1187	1193
7/4/2019 4:37	1031	1031	1193	1194
7/4/2019 5:00	1031	1031	1194	1195
7/4/2019 6:50	1031	1031	1194	1195
7/4/2019 7:00	1031	1032	1185	1194
7/4/2019 8:00	1032	1033	1183	1185
7/4/2019 9:38	1033	1033	1180	1183
7/4/2019 10:00	1033	1033	1179	1180
7/4/2019 11:00	1033	1034	1179	1179
7/4/2019 12:00	1034	1035	1179	1181
7/4/2019 13:37	1034	1035	1181	1182
7/4/2019 14:00	1034	1036	1182	1183
7/4/2019 15:00	1036	1037	1183	1184
7/4/2019 16:00	1037	1037	1184	1184
7/4/2019 17:00	1037	1037	1184	1185
7/4/2019 18:37	1037	1037	1181	1185
7/4/2019 19:40	1036	1037	1179	1181
7/4/2019 20:38	1036	1036	1179	1180
7/4/2019 21:00	1036	1036	1179	1183
7/4/2019 22:00	1036	1036	1183	1185
7/4/2019 23:00	1036	1036	1184	1184
7/5/2019 0:34	1036	1036	1184	1186
7/5/2019 1:38	1036	1036	1185	1186
7/5/2019 2:40	1035	1036	1185	1186
7/5/2019 3:38	1035	1035	1184	1186
7/5/2019 4:39	1035	1035	1184	1185
7/5/2019 5:00	1035	1035	1185	1188
7/5/2019 6:38	1035	1035	1188	1190
7/5/2019 7:00	1035	1035	1190	1191
7/5/2019 8:00	1035	1035	1191	1193
7/5/2019 9:40	1035	1035	1191	1193
7/5/2019 10:00	1035	1035	1189	1191
7/5/2019 11:39	1035	1035	1187	1189
7/5/2019 12:35	1035	1035	1186	1187
7/5/2019 13:00	1035	1035	1187	1188
7/5/2019 14:00	1035	1036	1188	1188
7/5/2019 15:37	1036	1036	1187	1188
7/5/2019 16:00	1036	1036	1184	1187
7/5/2019 17:00	1036	1036	1183	1184
7/5/2019 18:00	1036	1036	1182	1183
7/5/2019 19:00	1036	1036	1182	1184
7/5/2019 20:38	1036	1036	1183	1184
7/5/2019 21:00	1036	1036	1183	1185
7/5/2019 22:00	1036	1036	1185	1186
7/5/2019 23:00	1036	1036	1186	1191
7/6/2019 0:36	1036	1036	1191	1199
7/6/2019 1:00	1036	1036	1199	1200
7/6/2019 2:00	1036	1037	1197	1200
7/6/2019 3:00	1037	1037	1192	1197
7/6/2019 4:34	1037	1037	1188	1192
7/6/2019 5:00	1037	1037	1188	1189
7/6/2019 6:40	1036	1037	1189	1193
7/6/2019 7:37	1036	1036	1192	1194
7/6/2019 8:39	1036	1036	1193	1194
7/6/2019 9:00	1036	1037	1191	1193
7/6/2019 10:00	1037	1037	1190	1192
7/6/2019 11:00	1037	1037	1186	1190
7/6/2019 12:00	1037	1038	1184	1186
7/6/2019 13:00	1038	1038	1182	1184
7/6/2019 14:00	1038	1038	1182	1183
7/6/2019 15:39	1038	1038	1183	1185
7/6/2019 16:00	1038	1038	1183	1185
7/6/2019 17:38	1038	1038	1182	1183
7/6/2019 18:34	1038	1038	1182	1183
7/6/2019 19:37	1038	1038	1183	1185
7/6/2019 20:00	1038	1038	1185	1186
7/6/2019 21:36	1037	1038	1186	1186
7/6/2019 22:00	1037	1037	1186	1188
7/6/2019 23:00	1037	1038	1188	1191
7/7/2019 0:00	1038	1038	1191	1199
7/7/2019 1:00	1038	1039	1198	1199
7/7/2019 2:00	1039	1039	1197	1198
7/7/2019 3:00	1039	1040	1198	1200
7/7/2019 4:38	1039	1040	1200	1200
7/7/2019 5:39	1038	1039	1200	1200
7/7/2019 6:35	1038	1038	1200	1200
7/7/2019 7:38	1038	1038	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
7/7/2019 8:48	1038	1038	1200	1200
7/7/2019 9:38	1037	1038	1196	1200
7/7/2019 10:40	1037	1037	1191	1196
7/7/2019 11:37	1037	1037	1185	1191
7/7/2019 12:00	1037	1037	1181	1185
7/7/2019 13:35	1037	1037	1180	1182
7/7/2019 14:39	1037	1037	1180	1183
7/7/2019 15:34	1036	1037	1183	1185
7/7/2019 16:37	1036	1036	1185	1186
7/7/2019 17:40	1036	1036	1185	1188
7/7/2019 18:37	1036	1036	1182	1185
7/7/2019 19:39	1035	1036	1181	1182
7/7/2019 20:00	1035	1035	1181	1185
7/7/2019 21:38	1035	1035	1185	1189
7/7/2019 22:34	1035	1035	1189	1195
7/7/2019 23:00	1035	1035	1195	1200
7/8/2019 0:00	1035	1036	1200	1200
7/8/2019 1:00	1036	1037	1200	1200
7/8/2019 2:00	1037	1039	1200	1200
7/8/2019 3:00	1039	1040	1199	1200
7/8/2019 4:38	1040	1040	1193	1200
7/8/2019 5:34	1039	1040	1192	1193
7/8/2019 6:37	1038	1039	1192	1193
7/8/2019 7:40	1038	1038	1193	1194
7/8/2019 8:37	1037	1038	1194	1197
7/8/2019 9:39	1037	1037	1197	1198
7/8/2019 10:50	1036	1037	1195	1197
7/8/2019 11:38	1036	1036	1193	1195
7/8/2019 12:00	1036	1036	1190	1193
7/8/2019 13:43	1036	1036	1187	1190
7/8/2019 14:40	1036	1036	1184	1187
7/8/2019 15:37	1035	1036	1184	1186
7/8/2019 16:39	1035	1035	1184	1186
7/8/2019 17:35	1035	1035	1183	1184
7/8/2019 18:38	1035	1035	1183	1183
7/8/2019 19:00	1035	1036	1182	1183
7/8/2019 20:38	1035	1036	1183	1184
7/8/2019 21:40	1035	1035	1184	1185
7/8/2019 22:00	1035	1035	1185	1187
7/8/2019 23:00	1035	1035	1187	1189
7/9/2019 0:35	1035	1035	1189	1196
7/9/2019 1:38	1034	1035	1196	1200
7/9/2019 2:00	1034	1035	1200	1200
7/9/2019 3:00	1035	1035	1200	1200
7/9/2019 4:00	1035	1035	1200	1200
7/9/2019 5:00	1035	1036	1200	1200
7/9/2019 6:00	1036	1036	1200	1200
7/9/2019 7:00	1036	1036	1200	1200
7/9/2019 8:00	1036	1036	1200	1200
7/9/2019 9:00	1036	1036	1200	1200
7/9/2019 10:00	1036	1036	1200	1200
7/9/2019 11:40	1036	1036	1200	1200
7/9/2019 12:00	1036	1037	1200	1200
7/9/2019 13:00	1037	1037	1200	1200
7/9/2019 14:35	1036	1037	1200	1200
7/9/2019 15:38	1036	1036	1200	1200
7/9/2019 16:34	1036	1036	1200	1200
7/9/2019 17:38	1036	1036	1200	1200
7/9/2019 18:00	1036	1036	1195	1200
7/9/2019 19:00	1036	1036	1184	1195
7/9/2019 20:00	1036	1036	1184	1186
7/9/2019 21:44	1036	1036	1186	1193
7/9/2019 22:38	1035	1036	1193	1200
7/9/2019 23:00	1035	1035	1200	1200
7/10/2019 0:00	1035	1036	1200	1200
7/10/2019 1:40	1036	1036	1200	1200
7/10/2019 2:00	1036	1036	1200	1200
7/10/2019 3:39	1035	1036	1200	1200
7/10/2019 4:35	1035	1035	1200	1200
7/10/2019 5:38	1034	1035	1200	1200
7/10/2019 6:34	1034	1034	1200	1200
7/10/2019 7:37	1034	1034	1200	1200
7/10/2019 8:00	1034	1034	1200	1200
7/10/2019 9:00	1034	1034	1200	1200
7/10/2019 10:00	1034	1034	1200	1200
7/10/2019 11:00	1034	1034	1200	1200
7/10/2019 12:38	1034	1034	1196	1200
7/10/2019 13:34	1034	1034	1193	1196
7/10/2019 14:37	1034	1034	1192	1194
7/10/2019 15:40	1034	1034	1191	1192

**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
7/10/2019 16:00	1034	1034	1190	1191
7/10/2019 17:39	1034	1034	1190	1199
7/10/2019 18:35	1034	1034	1199	1200
7/10/2019 19:00	1034	1034	1192	1200
7/10/2019 20:00	1034	1034	1190	1192
7/10/2019 21:00	1034	1035	1192	1195
7/10/2019 22:40	1035	1035	1195	1198
7/10/2019 23:00	1035	1035	1196	1198
7/11/2019 0:48	1035	1035	1196	1200
7/11/2019 1:00	1035	1035	1200	1200
7/11/2019 2:39	1034	1035	1200	1200
7/11/2019 3:34	1034	1034	1200	1200
7/11/2019 4:38	1034	1034	1200	1200
7/11/2019 5:00	1034	1034	1200	1200
7/11/2019 6:00	1034	1035	1200	1200
7/11/2019 7:00	1035	1035	1200	1200
7/11/2019 8:00	1035	1035	1200	1200
7/11/2019 9:00	1035	1036	1200	1200
7/11/2019 10:00	1036	1037	1200	1200
7/11/2019 11:00	1037	1037	1200	1200
7/11/2019 12:00	1037	1037	1200	1200
7/11/2019 13:36	1037	1037	1200	1200
7/11/2019 14:39	1036	1037	1200	1200
7/11/2019 15:35	1035	1036	1200	1200
7/11/2019 16:38	1035	1035	1200	1200
7/11/2019 17:34	1032	1035	1200	1200
7/11/2019 18:37	1032	1032	1197	1200
7/11/2019 19:40	1031	1032	1197	1200
7/11/2019 20:37	1031	1031	1200	1200
7/11/2019 21:00	1031	1032	1199	1200
7/11/2019 22:00	1032	1033	1199	1199
7/11/2019 23:00	1033	1033	1199	1200
7/12/2019 0:00	1033	1033	1200	1200
7/12/2019 1:00	1033	1033	1200	1200
7/12/2019 2:40	1033	1033	1200	1200
7/12/2019 3:37	1033	1033	1200	1200
7/12/2019 4:00	1033	1034	1200	1200
7/12/2019 5:00	1034	1034	1200	1200
7/12/2019 6:00	1034	1035	1200	1200
7/12/2019 7:00	1035	1036	1200	1200
7/12/2019 8:00	1036	1036	1200	1200
7/12/2019 9:40	1035	1036	1200	1200
7/12/2019 10:39	1035	1035	1199	1200
7/12/2019 11:39	1035	1035	1200	1200
7/12/2019 12:00	1035	1036	1193	1200
7/12/2019 13:00	1036	1037	1188	1193
7/12/2019 14:00	1037	1038	1186	1188
7/12/2019 15:00	1038	1038	1184	1186
7/12/2019 16:40	1037	1038	1183	1184
7/12/2019 17:37	1036	1037	1182	1183
7/12/2019 18:39	1035	1036	1181	1182
7/12/2019 19:00	1035	1036	1181	1181
7/12/2019 20:00	1036	1037	1181	1184
7/12/2019 21:00	1037	1037	1184	1185
7/12/2019 22:37	1037	1037	1185	1185
7/12/2019 23:40	1036	1037	1185	1186
7/13/2019 0:36	1036	1036	1186	1189
7/13/2019 1:00	1036	1036	1189	1200
7/13/2019 2:43	1036	1036	1200	1200
7/13/2019 3:00	1036	1036	1200	1200
7/13/2019 4:00	1036	1037	1200	1200
7/13/2019 5:00	1037	1037	1200	1200
7/13/2019 6:00	1037	1037	1200	1200
7/13/2019 7:00	1037	1038	1200	1200
7/13/2019 8:00	1038	1038	1200	1200
7/13/2019 9:00	1038	1038	1200	1200
7/13/2019 10:39	1038	1038	1200	1200
7/13/2019 11:34	1038	1038	1200	1200
7/13/2019 12:00	1038	1038	1200	1200
7/13/2019 13:00	1038	1039	1200	1200
7/13/2019 14:00	1039	1039	1197	1200
7/13/2019 15:39	1038	1039	1197	1197
7/13/2019 16:35	1038	1038	1192	1197
7/13/2019 17:39	1038	1038	1191	1193
7/13/2019 18:00	1038	1038	1190	1191
7/13/2019 19:00	1038	1038	1190	1190
7/13/2019 20:00	1038	1038	1190	1191
7/13/2019 21:00	1038	1038	1190	1191
7/13/2019 22:00	1038	1038	1190	1194
7/13/2019 23:00	1038	1038	1194	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
7/14/2019 0:00	1038	1038	1197	1198
7/14/2019 1:00	1038	1038	1198	1199
7/14/2019 2:00	1038	1038	1199	1200
7/14/2019 3:00	1038	1038	1200	1200
7/14/2019 4:00	1038	1038	1200	1200
7/14/2019 5:00	1038	1038	1200	1200
7/14/2019 6:00	1038	1038	1200	1200
7/14/2019 7:00	1038	1038	1200	1200
7/14/2019 8:00	1038	1038	1200	1200
7/14/2019 9:00	1038	1038	1200	1200
7/14/2019 10:00	1038	1038	1200	1200
7/14/2019 11:00	1038	1038	1200	1200
7/14/2019 12:00	1038	1038	1200	1200
7/14/2019 13:29	1037	1038	1200	1200
7/14/2019 14:00	1037	1038	1200	1200
7/14/2019 15:34	1037	1038	1200	1200
7/14/2019 16:39	1037	1037	1200	1200
7/14/2019 17:40	1035	1037	1199	1200
7/14/2019 18:39	1034	1035	1197	1199
7/14/2019 19:39	1032	1034	1196	1197
7/14/2019 20:35	1032	1032	1196	1197
7/14/2019 21:40	1031	1032	1196	1197
7/14/2019 22:34	1031	1031	1196	1198
7/14/2019 23:37	1030	1031	1198	1200
7/15/2019 0:40	1030	1030	1200	1200
7/15/2019 1:00	1030	1031	1200	1200
7/15/2019 2:00	1031	1032	1200	1200
7/15/2019 3:00	1032	1033	1200	1200
7/15/2019 4:00	1033	1034	1200	1200
7/15/2019 5:34	1033	1034	1200	1200
7/15/2019 6:38	1032	1033	1200	1200
7/15/2019 7:40	1032	1032	1200	1200
7/15/2019 8:00	1032	1033	1200	1200
7/15/2019 9:00	1033	1033	1200	1200
7/15/2019 10:35	1033	1033	1200	1200
7/15/2019 11:00	1033	1033	1200	1200
7/15/2019 12:00	1033	1034	1200	1200
7/15/2019 13:00	1034	1035	1200	1200
7/15/2019 14:00	1035	1036	1199	1200
7/15/2019 15:00	1036	1036	1200	1200
7/15/2019 16:39	1036	1036	1200	1200
7/15/2019 17:35	1036	1036	1200	1200
7/15/2019 18:38	1035	1036	1200	1200
7/15/2019 19:34	1035	1035	1200	1200
7/15/2019 20:37	1035	1035	1200	1200
7/15/2019 21:00	1035	1035	1200	1200
7/15/2019 22:37	1035	1035	1200	1200
7/15/2019 23:00	1035	1036	1199	1200
7/16/2019 0:00	1036	1037	1199	1200
7/16/2019 1:00	1037	1037	1200	1200
7/16/2019 2:34	1036	1037	1200	1200
7/16/2019 3:37	1036	1036	1200	1200
7/16/2019 4:40	1036	1036	1200	1200
7/16/2019 5:37	1032	1036	1200	1200
7/16/2019 6:00	1032	1034	1200	1200
7/16/2019 7:00	1034	1039	1200	1200
7/16/2019 8:00	1039	1039	1200	1200
7/16/2019 9:00	1039	1040	1200	1200
7/16/2019 10:00	1040	1040	1200	1200
7/16/2019 11:40	1040	1040	1199	1200
7/16/2019 12:38	1040	1040	1195	1199
7/16/2019 13:39	1039	1040	1195	1196
7/16/2019 14:00	1039	1039	1196	1197
7/16/2019 15:00	1039	1039	1195	1196
7/16/2019 16:34	1039	1039	1196	1197
7/16/2019 17:00	1039	1039	1197	1200
7/16/2019 18:00	1039	1039	1200	1200
7/16/2019 19:38	1039	1039	1195	1200
7/16/2019 20:39	1039	1039	1194	1195
7/16/2019 21:35	1039	1039	1194	1195
7/16/2019 22:00	1039	1039	1193	1195
7/16/2019 23:00	1039	1039	1193	1195
7/17/2019 0:00	1039	1040	1195	1197
7/17/2019 1:40	1039	1040	1197	1199
7/17/2019 2:39	1038	1039	1199	1200
7/17/2019 3:39	1037	1038	1200	1200
7/17/2019 4:35	1036	1037	1200	1200
7/17/2019 5:38	1035	1036	1199	1200
7/17/2019 6:34	1034	1035	1197	1199
7/17/2019 7:39	1034	1034	1197	1197

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/17/2019 8:40	1033	1034	1195	1197
7/17/2019 9:00	1033	1034	1193	1195
7/17/2019 10:00	1034	1034	1188	1193
7/17/2019 11:35	1030	1034	1186	1188
7/17/2019 12:00	1030	1031	1186	1187
7/17/2019 13:00	1031	1031	1186	1187
7/17/2019 14:00	1031	1033	1186	1187
7/17/2019 15:00	1033	1035	1186	1187
7/17/2019 16:38	1035	1035	1187	1187
7/17/2019 17:40	1034	1035	1186	1187
7/17/2019 18:35	1034	1034	1186	1188
7/17/2019 19:38	1034	1034	1187	1188
7/17/2019 20:00	1034	1034	1187	1188
7/17/2019 21:00	1034	1034	1183	1187
7/17/2019 22:00	1034	1034	1182	1184
7/17/2019 23:00	1034	1034	1179	1182
7/18/2019 0:00	1034	1035	1180	1180
7/18/2019 1:00	1035	1035	1177	1180
7/18/2019 2:38	1035	1035	1180	1185
7/18/2019 3:34	1034	1035	1185	1191
7/18/2019 4:40	1033	1034	1190	1191
7/18/2019 5:40	1032	1033	1180	1190
7/18/2019 6:38	1031	1032	1176	1180
7/18/2019 7:39	1031	1031	1173	1176
7/18/2019 8:00	1031	1031	1168	1173
7/18/2019 9:00	1031	1032	1164	1168
7/18/2019 10:00	1032	1032	1162	1164
7/18/2019 11:00	1032	1032	1160	1162
7/18/2019 12:40	1032	1032	1160	1161
7/18/2019 13:44	1032	1032	1161	1163
7/18/2019 14:39	1032	1032	1163	1165
7/18/2019 15:00	1032	1032	1164	1165
7/18/2019 16:45	0	1032	1165	1165
7/18/2019 17:08	0	1032	1165	1165
7/18/2019 18:00	1032	1033	1164	1165
7/18/2019 19:00	1033	1034	1163	1165
7/18/2019 20:00	1034	1035	1164	1168
7/18/2019 21:00	1035	1035	1167	1168
7/18/2019 22:00	1035	1036	1165	1168
7/18/2019 23:00	1036	1036	1164	1165
7/19/2019 0:00	1036	1036	1165	1174
7/19/2019 1:37	1036	1036	1174	1175
7/19/2019 2:40	1035	1036	1175	1182
7/19/2019 3:38	1034	1035	1182	1199
7/19/2019 4:39	1033	1034	1195	1200
7/19/2019 5:00	1033	1033	1183	1195
7/19/2019 6:00	1033	1033	1176	1183
7/19/2019 7:00	1033	1033	1173	1176
7/19/2019 8:37	1033	1033	1168	1173
7/19/2019 9:40	1032	1033	1164	1168
7/19/2019 10:00	1032	1033	1161	1164
7/19/2019 11:00	1033	1033	1161	1163
7/19/2019 12:00	1033	1033	1163	1166
7/19/2019 13:00	1033	1033	1165	1168
7/19/2019 14:34	1033	1033	1162	1165
7/19/2019 15:37	1032	1033	1162	1163
7/19/2019 16:40	1032	1032	1163	1164
7/19/2019 17:00	1032	1033	1161	1163
7/19/2019 18:39	1033	1033	1161	1162
7/19/2019 19:35	1032	1033	1162	1165
7/19/2019 20:38	1031	1032	1164	1177
7/19/2019 21:34	1030	1031	1176	1187
7/19/2019 22:38	1029	1030	1187	1191
7/19/2019 23:40	1028	1029	1189	1193
7/20/2019 0:36	1028	1028	1180	1189
7/20/2019 1:39	1028	1028	1180	1182
7/20/2019 2:00	1028	1028	1182	1185
7/20/2019 3:00	1028	1029	1185	1188
7/20/2019 4:00	1029	1029	1188	1189
7/20/2019 5:00	1029	1030	1160	1189
7/20/2019 6:00	1030	1031	1160	1164
7/20/2019 7:00	1031	1032	1164	1178
7/20/2019 8:00	1032	1032	1177	1186
7/20/2019 9:00	1032	1033	1185	1187
7/20/2019 10:00	1033	1033	1180	1185
7/20/2019 11:00	1033	1033	1176	1181
7/20/2019 12:00	1033	1033	1172	1176
7/20/2019 13:00	1033	1033	1170	1172
7/20/2019 14:00	1033	1033	1169	1170
7/20/2019 15:00	1033	1033	1169	1173

**Xcel Energy**  
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/20/2019 16:35	1033	1033	1173	1174
7/20/2019 17:38	1033	1033	1174	1176
7/20/2019 18:34	1033	1033	1175	1176
7/20/2019 19:00	1033	1033	1174	1175
7/20/2019 20:40	1033	1033	1174	1174
7/20/2019 21:00	1033	1033	1174	1176
7/20/2019 22:39	1033	1033	1174	1176
7/20/2019 23:35	1032	1033	1174	1179
7/21/2019 0:39	1032	1032	1179	1182
7/21/2019 1:34	1032	1032	1182	1183
7/21/2019 2:37	1032	1032	1183	1186
7/21/2019 3:00	1032	1032	1186	1188
7/21/2019 4:00	1032	1032	1188	1190
7/21/2019 5:40	1032	1032	1190	1192
7/21/2019 6:35	1032	1032	1192	1194
7/21/2019 7:00	1032	1033	1194	1195
7/21/2019 8:00	1033	1033	1193	1195
7/21/2019 9:38	1033	1033	1192	1193
7/21/2019 10:40	1033	1033	1188	1192
7/21/2019 11:00	1033	1033	1183	1188
7/21/2019 12:39	1033	1033	1182	1183
7/21/2019 13:35	1033	1033	1182	1182
7/21/2019 14:00	1033	1033	1181	1182
7/21/2019 15:34	1032	1033	1181	1183
7/21/2019 16:40	1032	1032	1183	1184
7/21/2019 17:40	1032	1032	1184	1185
7/21/2019 18:38	1032	1032	1184	1185
7/21/2019 19:39	1032	1032	1185	1185
7/21/2019 20:00	1032	1032	1185	1186
7/21/2019 21:39	1032	1032	1186	1186
7/21/2019 22:00	1032	1032	1186	1188
7/21/2019 23:39	1032	1032	1188	1190
7/22/2019 0:48	1032	1032	1190	1194
7/22/2019 1:00	1032	1032	1194	1196
7/22/2019 2:00	1032	1033	1196	1200
7/22/2019 3:00	1033	1033	1200	1200
7/22/2019 4:38	1033	1033	1200	1200
7/22/2019 5:00	1033	1033	1200	1200
7/22/2019 6:00	1033	1033	1200	1200
7/22/2019 7:00	1033	1033	1200	1200
7/22/2019 8:00	1033	1033	1200	1200
7/22/2019 9:00	1033	1033	1199	1200
7/22/2019 10:35	1033	1033	1189	1199
7/22/2019 11:39	1033	1033	1184	1189
7/22/2019 12:34	1032	1033	1183	1184
7/22/2019 13:50	1032	1032	1183	1184
7/22/2019 14:00	1032	1032	1184	1186
7/22/2019 15:00	1032	1032	1186	1187
7/22/2019 16:00	1032	1033	1185	1186
7/22/2019 17:00	1033	1033	1184	1185
7/22/2019 18:00	1033	1034	1185	1187
7/22/2019 19:00	1034	1034	1187	1188
7/22/2019 20:37	1034	1034	1187	1188
7/22/2019 21:40	1034	1034	1187	1191
7/22/2019 22:38	1034	1034	1191	1195
7/22/2019 23:39	1034	1034	1194	1195
7/23/2019 0:00	1034	1034	1195	1195
7/23/2019 1:38	1034	1034	1194	1195
7/23/2019 2:34	1033	1034	1193	1195
7/23/2019 3:38	1033	1033	1193	1195
7/23/2019 4:00	1033	1033	1195	1199
7/23/2019 5:00	1033	1033	1193	1199
7/23/2019 6:00	1033	1034	1193	1194
7/23/2019 7:35	1033	1034	1194	1196
7/23/2019 8:38	1033	1033	1196	1200
7/23/2019 9:43	1033	1033	1198	1200
7/23/2019 10:39	1032	1033	1192	1198
7/23/2019 11:40	1032	1032	1187	1192
7/23/2019 12:00	1032	1032	1181	1187
7/23/2019 13:45	1031	1032	1181	1184
7/23/2019 14:35	1030	1031	1183	1184
7/23/2019 15:00	1030	1030	1183	1184
7/23/2019 16:00	1030	1030	1184	1185
7/23/2019 17:00	1030	1030	1184	1184
7/23/2019 18:40	1030	1030	1184	1184
7/23/2019 19:40	1030	1030	1184	1185
7/23/2019 20:00	1030	1035	1185	1188
7/23/2019 21:00	1035	1036	1188	1191
7/23/2019 22:38	1036	1036	1191	1195
7/23/2019 23:34	1036	1036	1195	1200

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/24/2019 0:39	1035	1036	1200	1200
7/24/2019 1:40	1035	1035	1200	1200
7/24/2019 2:00	1035	1035	1200	1200
7/24/2019 3:00	1035	1035	1200	1200
7/24/2019 4:00	1035	1036	1200	1200
7/24/2019 5:00	1036	1036	1200	1200
7/24/2019 6:00	1036	1036	1200	1200
7/24/2019 7:00	1036	1036	1200	1200
7/24/2019 8:40	1036	1036	1200	1200
7/24/2019 9:00	1036	1036	1200	1200
7/24/2019 10:50	1037	1037	1200	1200
7/24/2019 11:00	1037	1037	1200	1200
7/24/2019 12:00	1037	1037	1193	1200
7/24/2019 13:00	1037	1037	1191	1193
7/24/2019 14:40	1037	1037	1189	1191
7/24/2019 15:00	1037	1037	1188	1189
7/24/2019 16:39	1037	1037	1186	1188
7/24/2019 17:35	1036	1037	1186	1186
7/24/2019 18:38	1036	1036	1184	1186
7/24/2019 19:34	1035	1036	1184	1187
7/24/2019 20:37	1035	1035	1187	1193
7/24/2019 21:40	1035	1035	1193	1194
7/24/2019 22:38	1035	1035	1194	1195
7/24/2019 23:39	1035	1035	1195	1198
7/25/2019 0:00	1035	1035	1198	1200
7/25/2019 1:38	1035	1035	1200	1200
7/25/2019 2:00	1035	1035	1200	1200
7/25/2019 3:00	1035	1035	1200	1200
7/25/2019 4:00	1035	1036	1200	1200
7/25/2019 5:00	1036	1036	1200	1200
7/25/2019 6:00	1036	1037	1200	1200
7/25/2019 7:00	1037	1037	1200	1200
7/25/2019 8:38	1037	1037	1200	1200
7/25/2019 9:00	1037	1037	1200	1200
7/25/2019 10:00	1037	1037	1200	1200
7/25/2019 11:40	1037	1037	1200	1200
7/25/2019 12:36	1036	1037	1200	1200
7/25/2019 13:00	1036	1036	1197	1200
7/25/2019 14:35	1036	1036	1191	1197
7/25/2019 15:00	1036	1037	1190	1193
7/25/2019 16:34	1036	1037	1193	1197
7/25/2019 17:37	1036	1036	1197	1197
7/25/2019 18:40	1034	1036	1197	1200
7/25/2019 19:37	1033	1034	1200	1200
7/25/2019 20:39	1033	1033	1200	1200
7/25/2019 21:00	1033	1033	1200	1200
7/25/2019 22:00	1033	1033	1200	1200
7/25/2019 23:00	1033	1034	1200	1200
7/26/2019 0:00	1034	1034	1200	1200
7/26/2019 1:00	1034	1035	1200	1200
7/26/2019 2:00	1035	1035	1200	1200
7/26/2019 3:00	1035	1035	1200	1200
7/26/2019 4:00	1035	1038	1200	1200
7/26/2019 5:00	1038	1039	1200	1200
7/26/2019 6:00	1039	1039	1200	1200
7/26/2019 7:00	1039	1039	1200	1200
7/26/2019 8:00	1039	1041	1200	1200
7/26/2019 9:00	1041	1042	1200	1200
7/26/2019 10:39	1041	1042	1200	1200
7/26/2019 11:35	1040	1041	1200	1200
7/26/2019 12:38	1037	1040	1200	1200
7/26/2019 13:37	1036	1037	1196	1200
7/26/2019 14:37	1036	1036	1191	1196
7/26/2019 15:40	1035	1036	1190	1191
7/26/2019 16:37	1035	1035	1191	1191
7/26/2019 17:00	1035	1035	1191	1192
7/26/2019 18:00	1035	1036	1192	1194
7/26/2019 19:38	1035	1036	1193	1195
7/26/2019 20:34	1035	1035	1193	1194
7/26/2019 21:38	1035	1035	1191	1194
7/26/2019 22:00	1035	1035	1191	1197
7/26/2019 23:38	1035	1035	1197	1200
7/27/2019 0:39	1034	1035	1199	1200
7/27/2019 1:35	1034	1034	1200	1200
7/27/2019 2:38	1033	1034	1200	1200
7/27/2019 3:00	1033	1033	1200	1200
7/27/2019 4:00	1033	1034	1200	1200
7/27/2019 5:00	1034	1034	1200	1200
7/27/2019 6:00	1034	1035	1200	1200
7/27/2019 7:39	1035	1035	1200	1200

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/27/2019 8:35	1033	1035	1200	1200
7/27/2019 9:00	1033	1033	1200	1200
7/27/2019 10:34	1032	1033	1200	1200
7/27/2019 11:37	1031	1032	1200	1200
7/27/2019 12:40	1030	1031	1200	1200
7/27/2019 13:43	1030	1030	1187	1200
7/27/2019 14:00	1030	1030	1181	1188
7/27/2019 15:35	1030	1030	1181	1185
7/27/2019 16:00	1030	1030	1185	1186
7/27/2019 17:00	1030	1030	1184	1186
7/27/2019 18:37	1030	1030	1185	1185
7/27/2019 19:40	1029	1030	1184	1185
7/27/2019 20:36	1029	1029	1184	1185
7/27/2019 21:00	1029	1029	1185	1186
7/27/2019 22:00	1029	1030	1186	1200
7/27/2019 23:00	1030	1030	1200	1200
7/28/2019 0:00	1030	1030	1200	1200
7/28/2019 1:00	1030	1030	1200	1200
7/28/2019 2:00	1030	1030	1200	1200
7/28/2019 3:43	1030	1030	1200	1200
7/28/2019 4:48	1030	1030	1200	1200
7/28/2019 5:44	1030	1030	1200	1200
7/28/2019 6:38	1030	1030	1200	1200
7/28/2019 7:00	1030	1030	1200	1200
7/28/2019 8:00	1030	1030	1200	1200
7/28/2019 9:00	1030	1030	1200	1200
7/28/2019 10:38	1030	1030	1200	1200
7/28/2019 11:39	1030	1030	1200	1200
7/28/2019 12:35	1029	1030	1200	1200
7/28/2019 13:38	1029	1029	1199	1200
7/28/2019 14:34	1028	1029	1185	1199
7/28/2019 15:38	1027	1028	1184	1185
7/28/2019 16:40	1027	1027	1184	1185
7/28/2019 17:38	1027	1027	1183	1184
7/28/2019 18:39	1026	1027	1183	1184
7/28/2019 19:35	1025	1026	1184	1184
7/28/2019 20:00	1025	1026	1184	1185
7/28/2019 21:00	1026	1026	1185	1186
7/28/2019 22:00	1026	1028	1185	1186
7/28/2019 23:00	1028	1028	1184	1185
7/29/2019 0:00	1028	1029	1185	1186
7/29/2019 1:39	1028	1029	1183	1186
7/29/2019 2:35	1027	1028	1183	1187
7/29/2019 3:45	1026	1027	1186	1193
7/29/2019 4:34	1026	1026	1193	1200
7/29/2019 5:39	1026	1026	1200	1200
7/29/2019 6:40	1025	1026	1200	1200
7/29/2019 7:38	1025	1025	1200	1200
7/29/2019 8:39	1025	1025	1200	1200
7/29/2019 9:35	1025	1025	1200	1200
7/29/2019 10:00	1025	1025	1200	1200
7/29/2019 11:00	1025	1025	1200	1200
7/29/2019 12:00	1025	1026	1200	1200
7/29/2019 13:00	1026	1029	800	1200
7/29/2019 14:00	1029	1029	800	800
7/29/2019 15:39	1028	1029	800	800
7/29/2019 16:35	1028	1028	800	1199
7/29/2019 17:45	1028	1028	1197	1200
7/29/2019 18:34	1025	1028	1200	1200
7/29/2019 19:37	1025	1025	800	1200
7/29/2019 20:40	1024	1025	800	925
7/29/2019 21:38	1023	1024	800	1200
7/29/2019 22:39	1023	1023	1200	1200
7/29/2019 23:00	1023	1023	1200	1200
7/30/2019 0:00	1023	1024	1200	1200
7/30/2019 1:00	1024	1025	1200	1200
7/30/2019 2:00	1025	1025	1200	1200
7/30/2019 3:00	1025	1025	1161	1200
7/30/2019 4:00	1025	1025	1199	1200
7/30/2019 5:00	1025	1026	1200	1200
7/30/2019 6:00	1026	1026	1200	1200
7/30/2019 7:00	1026	1027	1200	1200
7/30/2019 8:00	1027	1027	1200	1200
7/30/2019 9:00	1027	1029	1200	1200
7/30/2019 10:00	1029	1029	1200	1200
7/30/2019 11:00	1029	1030	1200	1200
7/30/2019 12:00	1030	1031	1200	1200
7/30/2019 13:00	1031	1032	1200	1200
7/30/2019 14:00	1032	1032	1197	1200
7/30/2019 15:34	1031	1032	1193	1197

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/30/2019 16:38	1029	1031	1192	1193
7/30/2019 17:40	1026	1029	1191	1192
7/30/2019 18:38	1025	1026	1189	1191
7/30/2019 19:39	1025	1025	1186	1189
7/30/2019 20:00	1025	1025	1184	1186
7/30/2019 21:00	1025	1026	1182	1184
7/30/2019 22:00	1026	1026	1180	1182
7/30/2019 23:00	1026	1026	1182	1187
7/31/2019 0:00	1026	1026	1187	1192
7/31/2019 1:00	1026	1026	1192	1197
7/31/2019 2:39	1026	1026	1197	1200
7/31/2019 3:35	1026	1026	1200	1200
7/31/2019 4:00	1026	1026	1200	1200
7/31/2019 5:00	1026	1026	1200	1200
7/31/2019 6:00	1026	1026	1200	1200
7/31/2019 7:40	1026	1026	1200	1200
7/31/2019 8:38	1026	1026	1200	1200
7/31/2019 9:39	1026	1026	1200	1200
7/31/2019 10:35	1026	1026	1200	1200
7/31/2019 11:38	1026	1026	1200	1200
7/31/2019 12:34	1026	1026	1197	1200
7/31/2019 13:00	1026	1026	1189	1197
7/31/2019 14:00	1026	1026	1188	1190
7/31/2019 15:00	1026	1030	1179	1190
7/31/2019 16:39	1029	1030	1179	1180
7/31/2019 17:35	1029	1029	1180	1182
7/31/2019 18:38	1028	1029	1182	1183
7/31/2019 19:00	1028	1029	1183	1185
7/31/2019 20:37	1028	1029	1181	1185
7/31/2019 21:40	1028	1028	1181	1183
7/31/2019 22:00	1028	1029	1183	1184
7/31/2019 23:00	1029	1030	1184	1186