



825 Rice Street
Saint Paul, MN 55117

May 9, 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 April 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
4/1/2019 0:00	1029	1029	1029	1029
4/1/2019 1:34	1029	1029	1029	1029
4/1/2019 2:37	1028	1029	1028	1028
4/1/2019 3:00	1028	1029	1028	1028
4/1/2019 4:00	1029	1029	1028	1028
4/1/2019 5:00	1029	1029	1028	1028
4/1/2019 6:35	1029	1029	1028	1029
4/1/2019 7:38	1028	1029	1028	1029
4/1/2019 8:34	1028	1028	1028	1029
4/1/2019 9:00	1028	1028	1029	1029
4/1/2019 10:00	1028	1028	1029	1029
4/1/2019 11:00	1028	1028	1028	1029
4/1/2019 12:00	1028	1029	1028	1029
4/1/2019 13:00	1029	1029	1028	1029
4/1/2019 14:38	1029	1029	1028	1029
4/1/2019 15:34	1028	1029	1028	1029
4/1/2019 16:00	1028	1029	1028	1029
4/1/2019 17:40	1028	1029	1028	1029
4/1/2019 18:43	1028	1028	1028	1029
4/1/2019 19:00	1028	1028	1028	1029
4/1/2019 20:00	1028	1029	1028	1029
4/1/2019 21:00	1029	1029	1028	1029
4/1/2019 22:00	1029	1029	1028	1029
4/1/2019 23:37	1029	1029	1028	1029
4/2/2019 0:40	1029	1029	1028	1029
4/2/2019 1:00	1029	1029	1028	1029
4/2/2019 2:00	1029	1029	1028	1029
4/2/2019 3:00	1029	1029	1028	1029
4/2/2019 4:00	1029	1029	1028	1029
4/2/2019 5:00	1029	1029	1028	1029
4/2/2019 6:00	1029	1030	1028	1029
4/2/2019 7:00	1030	1030	1028	1029
4/2/2019 8:00	1030	1030	1028	1029
4/2/2019 9:00	1030	1030	1028	1029
4/2/2019 10:00	1030	1030	1028	1029
4/2/2019 11:00	1030	1030	1028	1029
4/2/2019 12:00	1030	1030	1028	1029
4/2/2019 13:37	1030	1030	1028	1029
4/2/2019 14:40	1030	1030	1028	1029
4/2/2019 15:37	1030	1030	1028	1029
4/2/2019 16:39	1030	1030	1028	1029
4/2/2019 17:35	1030	1030	1028	1029
4/2/2019 18:38	1029	1030	1028	1029
4/2/2019 19:34	1029	1029	1028	1029
4/2/2019 20:00	1029	1029	1028	1029
4/2/2019 21:00	1029	1030	1028	1029
4/2/2019 22:00	1030	1030	1028	1029
4/2/2019 23:39	1030	1030	1028	1029
4/3/2019 0:00	1030	1030	1029	1029
4/3/2019 1:00	1030	1030	1028	1029
4/3/2019 2:00	1030	1030	1029	1029
4/3/2019 3:00	1030	1030	1028	1029
4/3/2019 4:40	1030	1030	1028	1029
4/3/2019 5:37	1029	1030	1029	1029
4/3/2019 6:39	1029	1029	1029	1029
4/3/2019 7:43	1029	1029	1029	1029
4/3/2019 8:00	1029	1029	1029	1029
4/3/2019 9:00	1029	1029	1029	1029
4/3/2019 10:37	1029	1029	1029	1029
4/3/2019 11:40	1029	1029	1029	1029
4/3/2019 12:38	1029	1029	1029	1029
4/3/2019 13:45	1029	1029	1029	1029
4/3/2019 14:35	1029	1029	1029	1029
4/3/2019 15:00	1029	1029	1029	1029
4/3/2019 16:00	1029	1029	1029	1029
4/3/2019 17:37	1029	1029	1029	1029
4/3/2019 18:40	1028	1029	1029	1029
4/3/2019 19:37	1028	1028	1029	1029
4/3/2019 20:39	1028	1028	1029	1029
4/3/2019 21:00	1028	1028	1029	1029
4/3/2019 22:00	1028	1029	1029	1029
4/3/2019 23:00	1029	1030	1029	1029
4/4/2019 0:00	1030	1030	1029	1029
4/4/2019 1:40	1030	1030	1029	1029
4/4/2019 2:36	1030	1030	1029	1029
4/4/2019 3:39	1030	1030	1029	1029

Xcel Energy
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
4/4/2019 4:00	1030	1030	1029	1029
4/4/2019 5:00	1030	1030	1029	1029
4/4/2019 6:00	1030	1030	1029	1029
4/4/2019 7:00	1030	1031	1029	1029
4/4/2019 8:40	1030	1031	1029	1029
4/4/2019 9:36	1030	1030	1029	1029
4/4/2019 10:00	1030	1030	1029	1190
4/4/2019 11:35	1030	1030	1183	1187
4/4/2019 12:00	1030	1030	1181	1183
4/4/2019 13:00	1030	1030	1180	1181
4/4/2019 14:00	1030	1030	1178	1180
4/4/2019 15:00	1030	1030	1176	1178
4/4/2019 16:00	1030	1030	1176	1176
4/4/2019 17:00	1030	1030	1176	1178
4/4/2019 18:00	1030	1031	1178	1180
4/4/2019 19:00	1031	1031	1179	1180
4/4/2019 20:00	1031	1031	1179	1179
4/4/2019 21:00	1031	1031	1179	1180
4/4/2019 22:00	1031	1031	1179	1180
4/4/2019 23:00	1031	1031	1179	1180
4/5/2019 0:00	1031	1031	1180	1181
4/5/2019 1:00	1031	1032	1180	1181
4/5/2019 2:00	1032	1032	1179	1180
4/5/2019 3:00	1032	1032	1179	1181
4/5/2019 4:00	1032	1032	1180	1181
4/5/2019 5:00	1032	1033	1180	1181
4/5/2019 6:00	1033	1033	1181	1183
4/5/2019 7:39	1033	1033	1183	1185
4/5/2019 8:35	1033	1033	1184	1185
4/5/2019 9:52	1032	1033	1183	1184
4/5/2019 10:34	1032	1032	1180	1183
4/5/2019 11:37	1032	1032	1176	1180
4/5/2019 12:40	1032	1032	1175	1176
4/5/2019 13:36	1032	1032	1175	1177
4/5/2019 14:46	1032	1032	1177	1178
4/5/2019 15:35	1032	1032	1177	1178
4/5/2019 16:38	1031	1032	1177	1178
4/5/2019 17:34	1031	1031	1178	1178
4/5/2019 18:37	1031	1031	1177	1178
4/5/2019 19:40	1031	1031	1177	1178
4/5/2019 20:36	1031	1031	1178	1178
4/5/2019 21:39	1031	1031	1178	1178
4/5/2019 22:35	1031	1031	1178	1179
4/5/2019 23:00	1031	1031	1179	1179
4/6/2019 0:00	1031	1031	1179	1181
4/6/2019 1:00	1031	1031	1181	1186
4/6/2019 2:00	1031	1031	1185	1189
4/6/2019 3:00	1031	1031	1188	1196
4/6/2019 4:00	1031	1032	1196	1200
4/6/2019 5:00	1032	1033	1200	1200
4/6/2019 6:00	1033	1034	1200	1200
4/6/2019 7:00	1034	1035	1200	1200
4/6/2019 8:00	1035	1035	1200	1200
4/6/2019 9:40	1034	1035	1200	1200
4/6/2019 10:37	1034	1034	1200	1200
4/6/2019 11:00	1034	1034	1200	1200
4/6/2019 12:35	1034	1034	1200	1200
4/6/2019 13:38	1034	1034	1196	1200
4/6/2019 14:00	1034	1034	1193	1197
4/6/2019 15:00	1034	1034	1191	1193
4/6/2019 16:40	1034	1034	1188	1191
4/6/2019 17:36	1034	1034	1186	1188
4/6/2019 18:39	1034	1034	1184	1186
4/6/2019 19:00	1034	1034	1183	1184
4/6/2019 20:00	1034	1034	1183	1184
4/6/2019 21:34	1034	1034	1184	1184
4/6/2019 22:37	1033	1034	1184	1184
4/6/2019 23:40	1033	1033	1184	1186
4/7/2019 0:37	1033	1033	1186	1187
4/7/2019 1:39	1032	1033	1186	1187
4/7/2019 2:35	1032	1032	1185	1186
4/7/2019 3:38	1032	1032	1185	1186
4/7/2019 4:00	1032	1032	1182	1186
4/7/2019 5:37	1032	1032	1181	1182
4/7/2019 6:00	1032	1032	1181	1182
4/7/2019 7:00	1032	1032	1182	1183
4/7/2019 8:00	1032	1033	1181	1183
4/7/2019 9:35	1032	1033	1181	1181
4/7/2019 10:38	1032	1032	1180	1181
4/7/2019 11:34	1031	1032	1177	1180

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
4/7/2019 12:00	1031	1032	1175	1177
4/7/2019 13:00	1032	1032	1175	1175
4/7/2019 14:37	1032	1032	1174	1175
4/7/2019 15:39	1031	1032	1175	1177
4/7/2019 16:00	1031	1031	1177	1178
4/7/2019 17:00	1031	1032	1177	1178
4/7/2019 18:34	1031	1032	1177	1177
4/7/2019 19:37	1031	1031	1177	1178
4/7/2019 20:40	1031	1031	1178	1178
4/7/2019 21:37	1031	1031	1178	1178
4/7/2019 22:39	1031	1031	1178	1178
4/7/2019 23:35	1031	1031	1178	1178
4/8/2019 0:38	1031	1031	1178	1179
4/8/2019 1:34	1031	1031	1177	1178
4/8/2019 2:37	1031	1031	1177	1177
4/8/2019 3:00	1031	1031	1177	1178
4/8/2019 4:37	1031	1031	1174	1177
4/8/2019 5:00	1031	1031	1174	1174
4/8/2019 6:00	1031	1031	1174	1176
4/8/2019 7:00	1031	1031	1176	1179
4/8/2019 8:00	1031	1031	1177	1179
4/8/2019 9:00	1031	1031	1178	1178
4/8/2019 10:00	1031	1031	1177	1178
4/8/2019 11:00	1031	1031	1177	1178
4/8/2019 12:00	1031	1031	1178	1180
4/8/2019 13:00	1031	1031	1180	1180
4/8/2019 14:38	1031	1031	1179	1180
4/8/2019 15:34	1031	1031	1178	1179
4/8/2019 16:37	1031	1031	1177	1178
4/8/2019 17:40	1031	1031	1178	1179
4/8/2019 18:36	1031	1031	1178	1179
4/8/2019 19:39	1030	1031	1178	1179
4/8/2019 20:35	1030	1030	1179	1181
4/8/2019 21:38	1030	1030	1181	1181
4/8/2019 22:34	1030	1030	1181	1183
4/8/2019 23:37	1030	1030	1183	1183
4/9/2019 0:40	1030	1030	1183	1185
4/9/2019 1:37	1029	1030	1185	1187
4/9/2019 2:47	1029	1029	1187	1189
4/9/2019 3:35	1029	1029	1189	1193
4/9/2019 4:38	1029	1029	1193	1196
4/9/2019 5:00	1029	1029	1196	1197
4/9/2019 6:38	1029	1029	1197	1197
4/9/2019 7:00	1029	1029	1197	1199
4/9/2019 8:00	1029	1029	1199	1200
4/9/2019 9:00	1029	1029	1200	1200
4/9/2019 10:35	1029	1029	1200	1200
4/9/2019 11:00	1029	1029	1199	1200
4/9/2019 12:34	1029	1029	1194	1199
4/9/2019 13:00	1029	1029	1187	1194
4/9/2019 14:40	1029	1029	1183	1187
4/9/2019 15:37	1029	1029	1183	1184
4/9/2019 16:00	1029	1029	1183	1183
4/9/2019 17:00	1029	1030	1182	1183
4/9/2019 18:00	1030	1030	1180	1182
4/9/2019 19:00	1030	1030	1177	1180
4/9/2019 20:00	1030	1030	1177	1178
4/9/2019 21:40	1030	1030	1178	1178
4/9/2019 22:37	1030	1030	1178	1179
4/9/2019 23:39	1030	1030	1179	1180
4/10/2019 0:35	1029	1030	1180	1181
4/10/2019 1:38	1029	1029	1181	1182
4/10/2019 2:34	1029	1029	1182	1184
4/10/2019 3:37	1029	1029	1183	1186
4/10/2019 4:40	1029	1029	1186	1190
4/10/2019 5:36	1029	1029	1190	1194
4/10/2019 6:39	1029	1029	1194	1197
4/10/2019 7:35	1029	1029	1197	1199
4/10/2019 8:38	1029	1029	1199	1199
4/10/2019 9:00	1029	1029	1197	1199
4/10/2019 10:37	1028	1029	1197	1197
4/10/2019 11:00	1028	1029	1192	1197
4/10/2019 12:00	1029	1029	1186	1192
4/10/2019 13:00	1029	1029	1179	1186
4/10/2019 14:00	1029	1029	1175	1179
4/10/2019 15:00	1029	1030	1167	1175
4/10/2019 16:00	1030	1031	1167	1170
4/10/2019 17:38	1029	1031	1170	1172
4/10/2019 18:40	1029	1029	1172	1174
4/10/2019 19:00	1029	1029	1174	1177

Xcel Energy
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
4/10/2019 20:39	1029	1029	1177	1178
4/10/2019 21:35	1029	1029	1178	1178
4/10/2019 22:38	1029	1029	1178	1179
4/10/2019 23:00	1029	1029	1179	1180
4/11/2019 0:00	1029	1029	1177	1180
4/11/2019 1:47	1029	1029	1177	1179
4/11/2019 2:36	1029	1029	1179	1179
4/11/2019 3:00	1029	1029	1179	1180
4/11/2019 4:00	1029	1029	1177	1179
4/11/2019 5:00	1029	1030	1177	1178
4/11/2019 6:34	1029	1030	1171	1178
4/11/2019 7:00	1029	1030	1168	1171
4/11/2019 8:00	1030	1030	1164	1168
4/11/2019 9:00	1030	1030	1161	1164
4/11/2019 10:39	1030	1030	1150	1161
4/11/2019 11:35	1030	1030	1126	1150
4/11/2019 12:00	1030	1030	1130	1141
4/11/2019 13:34	1030	1030	1141	1148
4/11/2019 14:37	1030	1030	1148	1154
4/11/2019 15:40	1030	1030	1154	1158
4/11/2019 16:00	1030	1030	1157	1159
4/11/2019 17:00	1030	1030	1153	1158
4/11/2019 18:00	1030	1030	1152	1153
4/11/2019 19:38	1030	1030	1152	1153
4/11/2019 20:34	1030	1030	1153	1153
4/11/2019 21:00	1030	1030	1153	1154
4/11/2019 22:40	1030	1030	1153	1154
4/11/2019 23:00	1030	1030	1154	1155
4/12/2019 0:00	1030	1030	1155	1155
4/12/2019 1:00	1030	1031	1154	1155
4/12/2019 2:38	1031	1031	1154	1154
4/12/2019 3:00	1031	1031	1154	1155
4/12/2019 4:00	1031	1031	1155	1156
4/12/2019 5:00	1031	1031	1156	1158
4/12/2019 6:00	1031	1031	1158	1158
4/12/2019 7:00	1031	1031	1158	1159
4/12/2019 8:00	1031	1031	1159	1159
4/12/2019 9:00	1031	1031	1159	1160
4/12/2019 10:00	1031	1031	1160	1161
4/12/2019 11:37	1031	1031	1160	1161
4/12/2019 12:00	1031	1031	1160	1161
4/12/2019 13:00	1031	1032	1159	1161
4/12/2019 14:39	1031	1032	1159	1159
4/12/2019 15:35	1031	1031	1159	1161
4/12/2019 16:38	1031	1031	1159	1161
4/12/2019 17:34	1031	1031	1159	1160
4/12/2019 18:00	1031	1031	1160	1164
4/12/2019 19:40	1031	1031	1164	1166
4/12/2019 20:37	1031	1031	1165	1166
4/12/2019 21:39	1031	1031	1165	1165
4/12/2019 22:35	1031	1031	1165	1165
4/12/2019 23:38	1031	1031	1165	1168
4/13/2019 0:00	1031	1031	1168	1169
4/13/2019 1:37	1031	1031	1169	1169
4/13/2019 2:40	1031	1031	1169	1170
4/13/2019 3:36	1031	1031	1170	1172
4/13/2019 4:39	1030	1031	1172	1174
4/13/2019 5:35	1030	1030	1174	1176
4/13/2019 6:38	1030	1030	1175	1176
4/13/2019 7:34	1030	1030	1174	1175
4/13/2019 8:00	1030	1030	1172	1174
4/13/2019 9:40	1029	1030	1171	1172
4/13/2019 10:36	1029	1029	1170	1171
4/13/2019 11:39	1029	1029	1170	1171
4/13/2019 12:00	1029	1029	1170	1171
4/13/2019 13:00	1029	1029	1169	1170
4/13/2019 14:00	1029	1030	1169	1171
4/13/2019 15:00	1030	1030	1170	1171
4/13/2019 16:00	1030	1030	1170	1171
4/13/2019 17:00	1030	1031	1171	1171
4/13/2019 18:00	1031	1031	1171	1171
4/13/2019 19:00	1031	1031	1171	1171
4/13/2019 20:00	1031	1031	1170	1171
4/13/2019 21:48	1031	1031	1170	1171
4/13/2019 22:37	1031	1031	1171	1172
4/13/2019 23:40	1031	1031	1172	1174
4/14/2019 0:36	1031	1031	1174	1176
4/14/2019 1:39	1030	1031	1176	1177
4/14/2019 2:00	1030	1030	1176	1178
4/14/2019 3:38	1030	1030	1178	1178

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
4/14/2019 4:34	1030	1030	1178	1180
4/14/2019 5:37	1029	1030	1180	1181
4/14/2019 6:40	1029	1029	1181	1182
4/14/2019 7:00	1029	1029	1180	1181
4/14/2019 8:00	1029	1029	1177	1180
4/14/2019 9:35	1029	1029	1177	1178
4/14/2019 10:38	1028	1029	1176	1177
4/14/2019 11:00	1028	1028	1176	1177
4/14/2019 12:00	1028	1029	1174	1176
4/14/2019 13:00	1029	1029	1174	1175
4/14/2019 14:00	1029	1030	1173	1174
4/14/2019 15:00	1030	1030	1172	1173
4/14/2019 16:00	1030	1031	1173	1175
4/14/2019 17:00	1031	1032	1175	1176
4/14/2019 18:00	1032	1032	1176	1177
4/14/2019 19:00	1032	1032	1176	1177
4/14/2019 20:00	1032	1032	1176	1176
4/14/2019 21:00	1032	1032	1175	1177
4/14/2019 22:39	1032	1032	1177	1178
4/14/2019 23:35	1032	1032	1177	1177
4/15/2019 0:38	1032	1032	1177	1178
4/15/2019 1:00	1032	1032	1178	1181
4/15/2019 2:00	1032	1032	1181	1182
4/15/2019 3:40	1032	1032	1180	1182
4/15/2019 4:37	1031	1032	1182	1189
4/15/2019 5:39	1031	1031	1186	1189
4/15/2019 6:35	1031	1031	1183	1186
4/15/2019 7:00	1031	1031	1183	1184
4/15/2019 8:34	1031	1031	1183	1184
4/15/2019 9:37	1031	1031	1184	1184
4/15/2019 10:00	1031	1031	1184	1188
4/15/2019 11:00	1031	1031	1185	1188
4/15/2019 12:00	1031	1031	1175	1185
4/15/2019 13:00	1031	1031	1171	1175
4/15/2019 14:00	1031	1031	1171	1175
4/15/2019 15:00	1031	1032	1175	1176
4/15/2019 16:00	1032	1032	1175	1176
4/15/2019 17:00	1032	1032	1175	1175
4/15/2019 18:36	1032	1032	1175	1176
4/15/2019 19:39	1031	1032	1176	1176
4/15/2019 20:35	1031	1031	1176	1176
4/15/2019 21:00	1031	1031	1176	1177
4/15/2019 22:34	1030	1031	1177	1177
4/15/2019 23:37	1030	1030	1176	1177
4/16/2019 0:40	1030	1030	1174	1176
4/16/2019 1:36	1030	1030	1175	1177
4/16/2019 2:39	1029	1030	1177	1181
4/16/2019 3:35	1029	1029	1181	1188
4/16/2019 4:38	1029	1029	1188	1200
4/16/2019 5:34	1029	1029	1194	1200
4/16/2019 6:37	1029	1029	1195	1199
4/16/2019 7:40	1029	1029	1195	1198
4/16/2019 8:38	1029	1029	1195	1197
4/16/2019 9:00	1029	1029	1194	1197
4/16/2019 10:35	1029	1029	1191	1194
4/16/2019 11:38	1028	1029	1186	1191
4/16/2019 12:34	1028	1028	1181	1186
4/16/2019 13:39	1027	1028	1176	1181
4/16/2019 14:00	1027	1028	1175	1177
4/16/2019 15:37	1028	1028	1175	1177
4/16/2019 16:39	1028	1028	1172	1176
4/16/2019 17:35	1027	1028	1172	1173
4/16/2019 18:00	1027	1028	1173	1179
4/16/2019 19:00	1028	1028	1179	1184
4/16/2019 20:37	1028	1028	1184	1185
4/16/2019 21:00	1028	1028	1185	1185
4/16/2019 22:00	1028	1028	1185	1186
4/16/2019 23:00	1028	1028	1184	1186
4/17/2019 0:00	1028	1029	1182	1184
4/17/2019 1:00	1029	1029	1182	1182
4/17/2019 2:00	1029	1029	1182	1183
4/17/2019 3:37	1029	1029	1183	1185
4/17/2019 4:40	1029	1029	1185	1190
4/17/2019 5:00	1029	1029	1190	1191
4/17/2019 6:00	1029	1029	1190	1192
4/17/2019 7:00	1029	1030	1190	1192
4/17/2019 8:38	1030	1030	1191	1192
4/17/2019 9:34	1029	1030	1191	1192
4/17/2019 10:37	1029	1029	1192	1193
4/17/2019 11:00	1029	1029	1191	1192

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
4/17/2019 12:00	1029	1029	1190	1192
4/17/2019 13:43	1029	1029	1191	1193
4/17/2019 14:35	1029	1029	1190	1191
4/17/2019 15:00	1029	1029	1185	1190
4/17/2019 16:00	1029	1029	1182	1186
4/17/2019 17:00	1029	1029	1177	1182
4/17/2019 18:00	1029	1030	1172	1177
4/17/2019 19:00	1030	1030	1172	1175
4/17/2019 20:00	1030	1030	1175	1179
4/17/2019 21:00	1030	1030	1179	1181
4/17/2019 22:38	1029	1030	1180	1181
4/17/2019 23:34	1029	1029	1180	1181
4/18/2019 0:44	1029	1029	1180	1181
4/18/2019 1:40	1028	1029	1181	1181
4/18/2019 2:00	1028	1028	1181	1182
4/18/2019 3:39	1028	1028	1182	1183
4/18/2019 4:35	1028	1028	1183	1186
4/18/2019 5:38	1028	1028	1186	1189
4/18/2019 6:34	1027	1028	1189	1194
4/18/2019 7:00	1027	1028	1194	1197
4/18/2019 8:00	1028	1028	1197	1200
4/18/2019 9:00	1028	1028	1200	1200
4/18/2019 10:00	1028	1029	1200	1200
4/18/2019 11:00	1029	1029	1200	1200
4/18/2019 12:00	1029	1030	1196	1200
4/18/2019 13:00	1030	1030	1191	1196
4/18/2019 14:00	1030	1031	1190	1191
4/18/2019 15:00	1031	1031	1190	1194
4/18/2019 16:36	1031	1031	1186	1194
4/18/2019 17:39	1030	1031	1182	1186
4/18/2019 18:35	1030	1030	1179	1182
4/18/2019 19:45	1030	1030	1179	1181
4/18/2019 20:34	1030	1030	1181	1183
4/18/2019 21:37	1029	1030	1182	1183
4/18/2019 22:40	1029	1029	1182	1182
4/18/2019 23:37	1028	1029	1182	1184
4/19/2019 0:39	1028	1028	1183	1184
4/19/2019 1:00	1028	1029	1182	1183
4/19/2019 2:00	1029	1029	1182	1184
4/19/2019 3:42	1029	1029	1184	1184
4/19/2019 4:00	1029	1029	1183	1184
4/19/2019 5:00	1029	1029	1183	1184
4/19/2019 6:00	1029	1029	1182	1184
4/19/2019 7:39	1029	1029	1182	1182
4/19/2019 8:00	1029	1029	1181	1182
4/19/2019 9:00	1029	1029	1181	1181
4/19/2019 10:00	1029	1030	1181	1184
4/19/2019 11:00	1030	1030	1183	1185
4/19/2019 12:00	1030	1030	1183	1185
4/19/2019 13:37	1030	1030	1180	1183
4/19/2019 14:39	1030	1030	1177	1180
4/19/2019 15:35	1030	1030	1176	1178
4/19/2019 16:38	1030	1030	1177	1181
4/19/2019 17:34	1030	1030	1181	1185
4/19/2019 18:37	1030	1030	1183	1185
4/19/2019 19:40	1029	1030	1182	1183
4/19/2019 20:50	1029	1029	1182	1182
4/19/2019 21:39	1028	1029	1181	1182
4/19/2019 22:35	1028	1028	1181	1183
4/19/2019 23:38	1027	1028	1183	1185
4/20/2019 0:34	1027	1027	1185	1187
4/20/2019 1:37	1027	1027	1187	1188
4/20/2019 2:40	1027	1027	1185	1188
4/20/2019 3:36	1027	1027	1184	1185
4/20/2019 4:39	1026	1027	1183	1184
4/20/2019 5:00	1026	1027	1184	1186
4/20/2019 6:00	1027	1027	1185	1187
4/20/2019 7:00	1027	1027	1185	1188
4/20/2019 8:00	1027	1027	1188	1192
4/20/2019 9:00	1027	1027	1189	1192
4/20/2019 10:00	1027	1027	1189	1192
4/20/2019 11:00	1027	1027	1189	1192
4/20/2019 12:00	1027	1028	1185	1189
4/20/2019 13:00	1028	1029	1182	1185
4/20/2019 14:00	1029	1030	1179	1182
4/20/2019 15:00	1030	1031	1179	1180
4/20/2019 16:00	1031	1031	1180	1183
4/20/2019 17:00	1031	1032	1183	1184
4/20/2019 18:00	1032	1032	1184	1184
4/20/2019 19:00	1032	1032	1184	1184

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
4/20/2019 20:00	1032	1032	1184	1185
4/20/2019 21:00	1032	1033	1185	1186
4/20/2019 22:37	1033	1033	1186	1186
4/20/2019 23:40	1032	1033	1186	1186
4/21/2019 0:37	1032	1032	1184	1186
4/21/2019 1:00	1032	1032	1184	1184
4/21/2019 2:00	1032	1033	1184	1186
4/21/2019 3:00	1033	1033	1186	1191
4/21/2019 4:34	1032	1033	1191	1197
4/21/2019 5:37	1032	1032	1197	1200
4/21/2019 6:40	1032	1032	1200	1200
4/21/2019 7:00	1032	1032	1200	1200
4/21/2019 8:00	1032	1033	1200	1200
4/21/2019 9:00	1033	1033	1200	1200
4/21/2019 10:38	1033	1033	1200	1200
4/21/2019 11:34	1033	1033	1200	1200
4/21/2019 12:37	1033	1033	1200	1200
4/21/2019 13:40	1032	1033	1200	1200
4/21/2019 14:36	1032	1032	1198	1200
4/21/2019 15:39	1032	1032	1193	1198
4/21/2019 16:00	1032	1032	1191	1193
4/21/2019 17:38	1032	1032	1187	1191
4/21/2019 18:00	1032	1032	1186	1187
4/21/2019 19:37	1032	1032	1184	1186
4/21/2019 20:00	1032	1032	1180	1184
4/21/2019 21:38	1032	1032	1178	1180
4/21/2019 22:39	1032	1032	1179	1183
4/21/2019 23:35	1031	1032	1183	1183
4/22/2019 0:38	1030	1031	1183	1183
4/22/2019 1:34	1029	1030	1180	1183
4/22/2019 2:37	1028	1029	1178	1180
4/22/2019 3:00	1028	1028	1180	1183
4/22/2019 4:00	1028	1029	1181	1183
4/22/2019 5:00	1029	1029	1181	1183
4/22/2019 6:00	1029	1030	1183	1184
4/22/2019 7:38	1030	1030	1178	1183
4/22/2019 8:34	1029	1030	1176	1179
4/22/2019 9:37	1029	1029	1179	1183
4/22/2019 10:40	1028	1029	1183	1186
4/22/2019 11:37	1028	1028	1186	1187
4/22/2019 12:00	1028	1028	1187	1188
4/22/2019 13:00	1028	1028	1181	1187
4/22/2019 14:00	1028	1029	1177	1181
4/22/2019 15:00	1029	1029	1176	1177
4/22/2019 16:37	1029	1029	1176	1178
4/22/2019 17:40	1028	1029	1178	1179
4/22/2019 18:37	1028	1028	1179	1180
4/22/2019 19:00	1028	1029	1178	1179
4/22/2019 20:00	1029	1029	1179	1181
4/22/2019 21:00	1029	1029	1181	1181
4/22/2019 22:34	1029	1029	1181	1183
4/22/2019 23:37	1028	1029	1183	1184
4/23/2019 0:40	1028	1028	1184	1185
4/23/2019 1:36	1028	1028	1185	1185
4/23/2019 2:00	1028	1029	1185	1186
4/23/2019 3:00	1029	1029	1186	1188
4/23/2019 4:00	1029	1029	1188	1191
4/23/2019 5:34	1029	1029	1191	1192
4/23/2019 6:00	1029	1029	1192	1194
4/23/2019 7:40	1029	1029	1194	1195
4/23/2019 8:00	1029	1029	1195	1197
4/23/2019 9:39	1029	1029	1195	1197
4/23/2019 10:00	1029	1029	1195	1200
4/23/2019 11:00	1029	1029	1200	1200
4/23/2019 12:00	1029	1029	1197	1200
4/23/2019 13:00	1029	1029	1193	1197
4/23/2019 14:00	1029	1029	1185	1193
4/23/2019 15:00	1029	1029	1184	1185
4/23/2019 16:00	1029	1029	1181	1184
4/23/2019 17:35	1029	1029	1179	1181
4/23/2019 18:00	1029	1029	1176	1179
4/23/2019 19:00	1029	1029	1176	1177
4/23/2019 20:37	1029	1029	1177	1179
4/23/2019 21:40	1029	1029	1178	1179
4/23/2019 22:36	1029	1029	1177	1178
4/23/2019 23:39	1029	1029	1177	1178
4/24/2019 0:42	1029	1029	1178	1180
4/24/2019 1:38	1029	1029	1180	1181
4/24/2019 2:00	1029	1029	1179	1180
4/24/2019 3:00	1029	1029	1180	1184

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
4/24/2019 4:40	1029	1029	1184	1190
4/24/2019 5:00	1029	1029	1190	1193
4/24/2019 6:39	1029	1029	1192	1193
4/24/2019 7:35	1029	1029	1192	1193
4/24/2019 8:38	1029	1029	1193	1193
4/24/2019 9:34	1028	1029	1193	1193
4/24/2019 10:37	1028	1028	1193	1194
4/24/2019 11:40	1028	1028	1191	1194
4/24/2019 12:00	1028	1028	1188	1191
4/24/2019 13:43	1028	1028	1188	1189
4/24/2019 14:00	1028	1028	1186	1189
4/24/2019 15:00	1028	1028	1176	1186
4/24/2019 16:00	1028	1029	1173	1176
4/24/2019 17:38	1028	1029	1171	1173
4/24/2019 18:00	1028	1028	1171	1175
4/24/2019 19:00	1028	1028	1175	1178
4/24/2019 20:00	1028	1029	1176	1178
4/24/2019 21:00	1029	1029	1176	1184
4/24/2019 22:00	1029	1030	1183	1185
4/24/2019 23:34	1029	1030	1179	1183
4/25/2019 0:37	1029	1029	1178	1180
4/25/2019 1:40	1029	1029	1178	1181
4/25/2019 2:36	1029	1029	1181	1187
4/25/2019 3:39	1028	1029	1187	1192
4/25/2019 4:42	1028	1028	1192	1199
4/25/2019 5:00	1028	1029	1199	1200
4/25/2019 6:00	1029	1029	1200	1200
4/25/2019 7:00	1029	1029	1200	1200
4/25/2019 8:00	1029	1029	1200	1200
4/25/2019 9:00	1029	1029	1200	1200
4/25/2019 10:00	1029	1030	1199	1200
4/25/2019 11:00	1030	1030	1192	1199
4/25/2019 12:00	1030	1030	1188	1192
4/25/2019 13:00	1030	1030	1180	1188
4/25/2019 14:00	1030	1030	1175	1180
4/25/2019 15:40	1030	1030	1172	1175
4/25/2019 16:38	1030	1030	1172	1173
4/25/2019 17:39	1030	1030	1173	1174
4/25/2019 18:35	1030	1030	1173	1175
4/25/2019 19:38	1030	1030	1175	1177
4/25/2019 20:34	1030	1030	1174	1177
4/25/2019 21:37	1029	1030	1173	1174
4/25/2019 22:40	1029	1029	1173	1175
4/25/2019 23:00	1029	1029	1175	1179
4/26/2019 0:39	1029	1029	1178	1179
4/26/2019 1:35	1028	1029	1178	1186
4/26/2019 2:38	1028	1028	1186	1195
4/26/2019 3:34	1028	1028	1195	1200
4/26/2019 4:37	1028	1028	1200	1200
4/26/2019 5:40	1028	1028	1200	1200
4/26/2019 6:36	1028	1028	1200	1200
4/26/2019 7:00	1028	1028	1200	1200
4/26/2019 8:42	1027	1028	1200	1200
4/26/2019 9:38	1027	1027	1200	1200
4/26/2019 10:34	1026	1027	1200	1200
4/26/2019 11:00	1026	1026	1199	1200
4/26/2019 12:00	1026	1027	1198	1199
4/26/2019 13:00	1027	1027	1192	1199
4/26/2019 14:00	1027	1027	1190	1193
4/26/2019 15:00	1027	1028	1189	1193
4/26/2019 16:00	1028	1028	1186	1189
4/26/2019 17:00	1028	1028	1183	1186
4/26/2019 18:00	1028	1029	1182	1183
4/26/2019 19:00	1029	1029	1182	1182
4/26/2019 20:00	1029	1029	1182	1183
4/26/2019 21:00	1029	1029	1183	1185
4/26/2019 22:00	1029	1030	1184	1185
4/26/2019 23:00	1030	1030	1184	1186
4/27/2019 0:00	1030	1031	1186	1188
4/27/2019 1:00	1031	1031	1188	1189
4/27/2019 2:40	1030	1031	1189	1191
4/27/2019 3:00	1030	1031	1191	1192
4/27/2019 4:00	1031	1031	1192	1193
4/27/2019 5:35	1030	1031	1193	1195
4/27/2019 6:38	1030	1030	1195	1198
4/27/2019 7:00	1030	1030	1198	1198
4/27/2019 8:00	1030	1030	1197	1198
4/27/2019 9:00	1030	1030	1195	1197
4/27/2019 10:37	1030	1030	1193	1195
4/27/2019 11:00	1030	1030	1189	1193

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
4/27/2019 12:00	1030	1031	1186	1189
4/27/2019 13:00	1031	1031	1181	1187
4/27/2019 14:00	1031	1031	1174	1181
4/27/2019 15:00	1031	1032	1174	1175
4/27/2019 16:00	1032	1033	1175	1177
4/27/2019 17:37	1033	1033	1177	1178
4/27/2019 18:39	1032	1033	1176	1178
4/27/2019 19:35	1032	1032	1176	1179
4/27/2019 20:38	1032	1032	1179	1180
4/27/2019 21:34	1030	1032	1180	1180
4/27/2019 22:37	1030	1030	1179	1180
4/27/2019 23:40	1030	1030	1180	1182
4/28/2019 0:00	1030	1030	1182	1182
4/28/2019 1:00	1030	1030	1182	1183
4/28/2019 2:00	1030	1030	1183	1186
4/28/2019 3:38	1030	1030	1186	1188
4/28/2019 4:34	1029	1030	1188	1189
4/28/2019 5:37	1029	1029	1189	1190
4/28/2019 6:40	1029	1029	1190	1191
4/28/2019 7:37	1029	1029	1190	1191
4/28/2019 8:39	1028	1029	1191	1191
4/28/2019 9:35	1028	1028	1189	1191
4/28/2019 10:38	1028	1028	1188	1189
4/28/2019 11:42	1028	1028	1187	1188
4/28/2019 12:37	1028	1028	1185	1187
4/28/2019 13:00	1028	1028	1183	1185
4/28/2019 14:36	1028	1028	1181	1183
4/28/2019 15:00	1028	1028	1180	1181
4/28/2019 16:35	1028	1028	1178	1180
4/28/2019 17:00	1028	1028	1178	1179
4/28/2019 18:00	1028	1028	1178	1180
4/28/2019 19:00	1028	1029	1178	1180
4/28/2019 20:00	1029	1029	1178	1178
4/28/2019 21:00	1029	1029	1178	1180
4/28/2019 22:39	1029	1029	1180	1180
4/28/2019 23:00	1029	1029	1180	1181
4/29/2019 0:38	1029	1029	1181	1182
4/29/2019 1:00	1029	1029	1178	1181
4/29/2019 2:00	1029	1029	1177	1178
4/29/2019 3:40	1029	1029	1178	1180
4/29/2019 4:37	1029	1029	1180	1184
4/29/2019 5:39	1029	1029	1184	1187
4/29/2019 6:00	1029	1029	1187	1190
4/29/2019 7:00	1029	1029	1190	1194
4/29/2019 8:00	1029	1029	1191	1194
4/29/2019 9:37	1029	1029	1188	1191
4/29/2019 10:00	1029	1029	1183	1188
4/29/2019 11:36	1029	1029	1182	1183
4/29/2019 12:39	1029	1029	1179	1182
4/29/2019 13:00	1029	1029	1175	1179
4/29/2019 14:00	1029	1029	1175	1176
4/29/2019 15:00	1029	1030	1175	1176
4/29/2019 16:37	1029	1030	1174	1175
4/29/2019 17:40	1029	1029	1175	1177
4/29/2019 18:37	1029	1029	1177	1177
4/29/2019 19:00	1029	1029	1176	1177
4/29/2019 20:35	1029	1029	1177	1177
4/29/2019 21:38	1029	1029	1177	1177
4/29/2019 22:42	1029	1029	1177	1177
4/29/2019 23:00	1029	1029	1176	1177
4/30/2019 0:00	1029	1029	1177	1177
4/30/2019 1:36	1029	1029	1177	1177
4/30/2019 2:39	1029	1029	1175	1177
4/30/2019 3:35	1028	1029	1175	1175
4/30/2019 4:38	1028	1028	1175	1175
4/30/2019 5:34	1028	1028	1175	1190
4/30/2019 6:37	1028	1028	1190	1200
4/30/2019 7:40	1028	1028	1200	1200
4/30/2019 8:37	1028	1028	1200	1200
4/30/2019 9:39	1027	1028	1200	1200
4/30/2019 10:00	1027	1028	1200	1200
4/30/2019 11:00	1028	1028	1200	1200
4/30/2019 12:00	1028	1028	1200	1200
4/30/2019 13:37	1028	1028	1200	1200
4/30/2019 14:40	1028	1028	1200	1200
4/30/2019 15:00	1028	1028	1200	1200
4/30/2019 16:00	1028	1029	1200	1200
4/30/2019 17:00	1029	1030	1200	1200
4/30/2019 18:00	1030	1036	1200	1200
4/30/2019 19:00	1036	1047	1200	1200
4/30/2019 20:00	1047	1060	1200	1200
4/30/2019 21:00	1060	1069	1200	1200
4/30/2019 22:00	1069	1073	1200	1200
4/30/2019 23:00	1073	1073	1191	1200
5/1/2019 0:35	1072	1073	1188	1192
5/1/2019 1:38	1072	1072	1179	1188
5/1/2019 2:00	1072	1072	1179	1181
5/1/2019 3:00	1072	1072	1174	1181
5/1/2019 4:40	1072	1072	1171	1174
5/1/2019 5:37	1071	1072	1172	1173
5/1/2019 6:39	1070	1071	1170	1173
5/1/2019 7:35	1068	1070	1165	1170
5/1/2019 8:45	1067	1068	1162	1165
5/1/2019 9:34	1066	1067	1163	1163