



825 Rice Street
Saint Paul, MN 55117

August 25, 2017

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 2017 as required by N.D. Admin. Code 69-09-01-02, part 2.

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

Sincerely,

A handwritten signature in purple ink that reads "Jeff Murray". The signature is fluid and cursive, with a long horizontal stroke at the end.

Jeff Murray
Manager Pipeline Compliance & 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
7/1/2017 0:00	1021	1021	1189	1189
7/1/2017 1:00	1021	1021	1189	1189
7/1/2017 2:00	1021	1022	1189	1189
7/1/2017 3:00	1022	1022	1189	1189
7/1/2017 4:00	1022	1022	1188	1189
7/1/2017 5:00	1021	1022	1188	1189
7/1/2017 6:00	1021	1021	1188	1189
7/1/2017 7:00	1021	1021	1188	1188
7/1/2017 8:00	1021	1021	1188	1188
7/1/2017 9:00	1020	1021	1188	1188
7/1/2017 10:00	1020	1020	1187	1188
7/1/2017 11:00	1020	1020	1187	1187
7/1/2017 12:00	1020	1020	1187	1187
7/1/2017 13:00	1020	1020	1187	1187
7/1/2017 14:00	1020	1020	1185	1187
7/1/2017 15:00	1020	1020	1183	1185
7/1/2017 16:00	1020	1020	1183	1183
7/1/2017 17:00	1020	1020	1183	1183
7/1/2017 18:00	1020	1020	1183	1184
7/1/2017 19:00	1020	1020	1184	1185
7/1/2017 20:00	1020	1020	1185	1186
7/1/2017 21:00	1020	1020	1186	1186
7/1/2017 22:00	1019	1020	1186	1186
7/1/2017 23:00	1019	1019	1185	1186
7/2/2017 0:00	1019	1019	1185	1186
7/2/2017 1:00	1019	1019	1186	1187
7/2/2017 2:00	1019	1019	1187	1188
7/2/2017 3:00	1019	1020	1187	1188
7/2/2017 4:00	1020	1020	1188	1188
7/2/2017 5:00	1020	1020	1188	1188
7/2/2017 6:00	1020	1020	1187	1188
7/2/2017 7:00	1020	1020	1187	1188
7/2/2017 8:00	1020	1020	1187	1188
7/2/2017 9:00	1019	1020	1188	1188
7/2/2017 10:00	1019	1019	1188	1188
7/2/2017 11:00	1019	1019	1188	1188
7/2/2017 12:00	1019	1019	1187	1188
7/2/2017 13:00	1019	1019	1187	1188
7/2/2017 14:00	1019	1019	1188	1188
7/2/2017 15:00	1019	1019	1188	1188
7/2/2017 16:00	1019	1019	1188	1188
7/2/2017 17:00	1019	1020	1188	1188
7/2/2017 18:00	1020	1020	1188	1188
7/2/2017 19:00	1020	1020	1187	1188
7/2/2017 20:00	1020	1020	1187	1187
7/2/2017 21:00	1020	1020	1187	1188
7/2/2017 22:00	1020	1020	1187	1188
7/2/2017 23:00	1020	1020	1187	1187
7/3/2017 0:00	1020	1020	1187	1187
7/3/2017 1:00	1020	1020	1186	1187
7/3/2017 2:00	1020	1020	1186	1187
7/3/2017 3:00	1020	1020	1187	1188
7/3/2017 4:00	1020	1020	1188	1189
7/3/2017 5:00	1020	1020	1189	1189
7/3/2017 6:00	1020	1020	1189	1190
7/3/2017 7:00	1020	1020	1189	1190
7/3/2017 8:00	1020	1020	1189	1190
7/3/2017 9:00	1020	1020	1190	1190
7/3/2017 10:00	1020	1020	1189	1190
7/3/2017 11:00	1020	1020	1187	1189
7/3/2017 12:00	1020	1020	1186	1188
7/3/2017 13:00	1019	1020	1186	1187
7/3/2017 14:00	1019	1019	1186	1186
7/3/2017 15:00	1019	1019	1186	1186
7/3/2017 16:00	1019	1019	1186	1186
7/3/2017 17:00	1019	1019	1185	1186
7/3/2017 18:00	1019	1019	1185	1185

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
7/3/2017 19:00	1019	1020	1185	1185
7/3/2017 20:00	1020	1020	1185	1185
7/3/2017 21:00	1020	1020	1185	1186
7/3/2017 22:00	1020	1020	1186	1186
7/3/2017 23:00	1020	1020	1186	1186
7/4/2017 0:00	1020	1020	1186	1187
7/4/2017 1:00	1020	1020	1187	1187
7/4/2017 2:00	1020	1020	1187	1188
7/4/2017 3:00	1020	1020	1188	1188
7/4/2017 4:00	1020	1021	1188	1189
7/4/2017 5:00	1021	1021	1189	1189
7/4/2017 6:00	1021	1021	1189	1189
7/4/2017 7:00	1021	1021	1189	1190
7/4/2017 8:00	1020	1021	1190	1190
7/4/2017 9:00	1020	1020	1190	1191
7/4/2017 10:00	1020	1020	1190	1191
7/4/2017 11:00	1020	1020	1190	1190
7/4/2017 12:00	1020	1020	1189	1190
7/4/2017 13:00	1020	1020	1189	1189
7/4/2017 14:00	1020	1020	1189	1189
7/4/2017 15:00	1020	1020	1189	1189
7/4/2017 16:00	1020	1020	1189	1189
7/4/2017 17:00	1020	1020	1188	1189
7/4/2017 18:00	1020	1020	1188	1188
7/4/2017 19:00	1020	1020	1187	1188
7/4/2017 20:00	1020	1021	1187	1187
7/4/2017 21:00	1021	1021	1187	1188
7/4/2017 22:00	1020	1021	1188	1188
7/4/2017 23:00	1020	1021	1188	1188
7/5/2017 0:00	1021	1021	1188	1188
7/5/2017 1:00	1021	1021	1188	1189
7/5/2017 2:00	1021	1021	1189	1189
7/5/2017 3:00	1021	1021	1189	1189
7/5/2017 4:00	1021	1021	1188	1189
7/5/2017 5:00	1021	1021	1188	1189
7/5/2017 6:00	1021	1021	1188	1189
7/5/2017 7:00	1021	1021	1189	1189
7/5/2017 8:00	1021	1021	1189	1189
7/5/2017 9:00	1020	1021	1189	1189
7/5/2017 10:00	1020	1020	1189	1189
7/5/2017 11:00	1020	1020	1189	1190
7/5/2017 12:00	1020	1020	1189	1190
7/5/2017 13:00	1020	1020	1189	1190
7/5/2017 14:00	1020	1020	1190	1190
7/5/2017 15:00	1020	1020	1190	1190
7/5/2017 16:00	1020	1020	1190	1190
7/5/2017 17:00	1020	1020	1190	1190
7/5/2017 18:00	1020	1020	1190	1190
7/5/2017 19:00	1020	1020	1190	1190
7/5/2017 20:00	1020	1020	1190	1190
7/5/2017 21:00	1019	1020	1190	1191
7/5/2017 22:00	1019	1019	1191	1192
7/5/2017 23:00	1019	1019	1191	1192
7/6/2017 0:00	1019	1019	1190	1191
7/6/2017 1:00	1019	1020	1188	1190
7/6/2017 2:00	1020	1020	1188	1190
7/6/2017 3:00	1019	1020	1190	1192
7/6/2017 4:00	1019	1019	1192	1193
7/6/2017 5:00	1019	1019	1193	1193
7/6/2017 6:00	1019	1019	1193	1193
7/6/2017 7:00	1019	1019	1192	1193
7/6/2017 8:00	1019	1019	1192	1192
7/6/2017 9:00	1019	1019	1191	1192
7/6/2017 10:00	1019	1019	1191	1191
7/6/2017 11:00	1019	1019	1191	1191
7/6/2017 12:00	1019	1019	1191	1191
7/6/2017 13:00	1019	1019	1190	1191
7/6/2017 14:00	1019	1019	1190	1190
7/6/2017 15:00	1019	1019	1190	1190
7/6/2017 16:00	1019	1019	1190	1191
7/6/2017 17:00	1019	1019	1190	1191
7/6/2017 18:00	1019	1019	1191	1192
7/6/2017 19:00	1019	1019	1191	1192
7/6/2017 20:00	1019	1020	1191	1192
7/6/2017 21:00	1020	1021	1191	1192

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/6/2017 22:00	1021	1021	1192	1193
7/6/2017 23:00	1021	1021	1192	1193
7/7/2017 0:00	1021	1022	1190	1192
7/7/2017 1:00	1021	1022	1189	1190
7/7/2017 2:00	1021	1021	1189	1191
7/7/2017 3:00	1021	1021	1191	1192
7/7/2017 4:00	1020	1021	1192	1192
7/7/2017 5:00	1020	1020	1192	1192
7/7/2017 6:00	1019	1020	1192	1193
7/7/2017 7:00	1019	1019	1193	1193
7/7/2017 8:00	1019	1019	1193	1193
7/7/2017 9:00	1019	1019	1193	1193
7/7/2017 10:00	1019	1019	1193	1193
7/7/2017 11:00	1019	1019	1193	1193
7/7/2017 12:00	1019	1019	1192	1193
7/7/2017 13:00	1019	1019	1192	1192
7/7/2017 14:00	1019	1019	1191	1192
7/7/2017 15:00	1019	1019	1190	1191
7/7/2017 16:00	1019	1019	1189	1190
7/7/2017 17:00	1019	1019	1189	1189
7/7/2017 18:00	1019	1019	1189	1189
7/7/2017 19:00	1019	1019	1189	1190
7/7/2017 20:00	1019	1019	1189	1190
7/7/2017 21:00	1019	1019	1189	1190
7/7/2017 22:00	1019	1019	1189	1189
7/7/2017 23:00	1019	1019	1186	1189
7/8/2017 0:00	1019	1019	1185	1186
7/8/2017 1:00	1019	1019	1185	1187
7/8/2017 2:00	1019	1019	1187	1188
7/8/2017 3:00	1019	1019	1188	1188
7/8/2017 4:00	1019	1019	1187	1188
7/8/2017 5:00	1019	1019	1187	1188
7/8/2017 6:00	1019	1019	1188	1191
7/8/2017 7:00	1019	1019	1191	1195
7/8/2017 8:00	1019	1019	1195	1195
7/8/2017 9:00	1019	1019	1194	1195
7/8/2017 10:00	1019	1019	1193	1194
7/8/2017 11:00	1019	1019	1193	1194
7/8/2017 12:00	1019	1019	1194	1194
7/8/2017 13:00	1019	1019	1194	1194
7/8/2017 14:00	1019	1019	1193	1194
7/8/2017 15:00	1019	1019	1193	1193
7/8/2017 16:00	1019	1019	1192	1193
7/8/2017 17:00	1018	1019	1192	1192
7/8/2017 18:00	1018	1018	1192	1192
7/8/2017 19:00	1018	1018	1191	1192
7/8/2017 20:00	1017	1018	1192	1192
7/8/2017 21:00	1017	1017	1192	1192
7/8/2017 22:00	1017	1017	1192	1193
7/8/2017 23:00	1017	1017	1192	1193
7/9/2017 0:00	1017	1017	1193	1193
7/9/2017 1:00	1017	1017	1193	1194
7/9/2017 2:00	1017	1017	1194	1194
7/9/2017 3:00	1017	1017	1194	1195
7/9/2017 4:00	1017	1017	1195	1196
7/9/2017 5:00	1017	1018	1195	1196
7/9/2017 6:00	1018	1018	1194	1195
7/9/2017 7:00	1018	1018	1193	1194
7/9/2017 8:00	1018	1019	1191	1193
7/9/2017 9:00	1019	1019	1190	1191
7/9/2017 10:00	1019	1020	1190	1191
7/9/2017 11:00	1020	1020	1190	1191
7/9/2017 12:00	1020	1020	1188	1190
7/9/2017 13:00	1020	1021	1188	1188
7/9/2017 14:00	1021	1021	1188	1188
7/9/2017 15:00	1021	1021	1188	1188
7/9/2017 16:00	1021	1021	1188	1188
7/9/2017 17:00	1021	1021	1188	1189
7/9/2017 18:00	1020	1021	1188	1189
7/9/2017 19:00	1020	1020	1189	1191
7/9/2017 20:00	1020	1020	1191	1191
7/9/2017 21:00	1019	1020	1191	1192
7/9/2017 22:00	1019	1019	1192	1192
7/9/2017 23:00	1019	1019	1192	1193
7/10/2017 0:00	1019	1019	1193	1193

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
7/10/2017 1:00	1019	1019	1193	1194
7/10/2017 2:00	1019	1019	1194	1194
7/10/2017 3:00	1018	1019	1194	1194
7/10/2017 4:00	1018	1018	1194	1195
7/10/2017 5:00	1018	1018	1194	1195
7/10/2017 6:00	1017	1018	1194	1194
7/10/2017 7:00	1017	1017	1194	1194
7/10/2017 8:00	1017	1017	1194	1194
7/10/2017 9:00	1017	1017	1193	1194
7/10/2017 10:00	1017	1017	1193	1194
7/10/2017 11:00	1017	1017	1194	1195
7/10/2017 12:00	1017	1018	1195	1195
7/10/2017 13:00	1018	1018	1195	1195
7/10/2017 14:00	1017	1018	1195	1195
7/10/2017 15:00	1017	1017	1195	1195
7/10/2017 16:00	1017	1017	1194	1195
7/10/2017 17:00	1017	1017	1194	1194
7/10/2017 18:00	1016	1017	1194	1195
7/10/2017 19:00	1016	1016	1194	1195
7/10/2017 20:00	1016	1016	1194	1194
7/10/2017 21:00	1016	1016	1193	1194
7/10/2017 22:00	1016	1016	1193	1193
7/10/2017 23:00	1016	1017	1193	1193
7/11/2017 0:00	1017	1017	1192	1193
7/11/2017 1:00	1017	1017	1192	1194
7/11/2017 2:00	1017	1017	1194	1194
7/11/2017 3:00	1017	1017	1194	1194
7/11/2017 4:00	1017	1017	1194	1194
7/11/2017 5:00	1017	1018	1194	1194
7/11/2017 6:00	1018	1018	1192	1194
7/11/2017 7:00	1018	1018	1190	1192
7/11/2017 8:00	1018	1018	1190	1190
7/11/2017 9:00	1018	1019	1189	1190
7/11/2017 10:00	1019	1019	1189	1190
7/11/2017 11:00	1019	1020	1190	1190
7/11/2017 12:00	1020	1021	1190	1190
7/11/2017 13:00	1021	1022	1190	1191
7/11/2017 14:00	1022	1022	1191	1191
7/11/2017 15:00	1022	1022	1191	1192
7/11/2017 16:00	1022	1022	1192	1192
7/11/2017 17:00	1022	1022	1191	1192
7/11/2017 18:00	1021	1022	1190	1191
7/11/2017 19:00	1021	1021	1190	1191
7/11/2017 20:00	1020	1021	1191	1193
7/11/2017 21:00	1020	1020	1192	1193
7/11/2017 22:00	1019	1020	1192	1193
7/11/2017 23:00	1019	1019	1192	1193
7/12/2017 0:00	1018	1019	1193	1194
7/12/2017 1:00	1018	1018	1194	1194
7/12/2017 2:00	1017	1018	1194	1194
7/12/2017 3:00	1017	1017	1194	1194
7/12/2017 4:00	1017	1017	1193	1194
7/12/2017 5:00	1017	1017	1194	1196
7/12/2017 6:00	1017	1017	1194	1196
7/12/2017 7:00	1017	1018	1194	1194
7/12/2017 8:00	1018	1018	1193	1194
7/12/2017 9:00	1018	1018	1194	1194
7/12/2017 10:00	1018	1019	1194	1194
7/12/2017 11:00	1019	1019	1193	1194
7/12/2017 12:00	1019	1019	1193	1193
7/12/2017 13:00	1019	1019	1192	1193
7/12/2017 14:00	1019	1019	1192	1193
7/12/2017 15:00	1019	1019	1189	1192
7/12/2017 16:00	1019	1019	1189	1189
7/12/2017 17:00	1019	1019	1189	1190
7/12/2017 18:00	1019	1019	1190	1191
7/12/2017 19:00	1018	1019	1191	1193
7/12/2017 20:00	1018	1018	1193	1195
7/12/2017 21:00	1017	1018	1195	1196
7/12/2017 22:00	1017	1017	1196	1196
7/12/2017 23:00	1016	1017	1195	1196
7/13/2017 0:00	1016	1016	1195	1195
7/13/2017 1:00	1016	1016	1195	1196
7/13/2017 2:00	1016	1016	1196	1196
7/13/2017 3:00	1016	1016	1196	1196

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/13/2017 4:00	1016	1017	1196	1197
7/13/2017 5:00	1017	1017	1195	1197
7/13/2017 6:00	1017	1017	1194	1195
7/13/2017 7:00	1017	1018	1194	1195
7/13/2017 8:00	1018	1018	1191	1194
7/13/2017 9:00	1018	1018	1191	1193
7/13/2017 10:00	1018	1018	1193	1195
7/13/2017 11:00	1018	1018	1194	1195
7/13/2017 12:00	1018	1018	1195	1195
7/13/2017 13:00	1018	1018	1194	1195
7/13/2017 14:00	1018	1018	1193	1194
7/13/2017 15:00	1018	1018	1192	1193
7/13/2017 16:00	1018	1018	1190	1192
7/13/2017 17:00	1018	1018	1190	1190
7/13/2017 18:00	1017	1018	1190	1191
7/13/2017 19:00	1017	1017	1191	1192
7/13/2017 20:00	1017	1017	1192	1192
7/13/2017 21:00	1017	1017	1192	1193
7/13/2017 22:00	1017	1017	1193	1193
7/13/2017 23:00	1016	1017	1193	1193
7/14/2017 0:00	1016	1016	1193	1193
7/14/2017 1:00	1016	1016	1193	1193
7/14/2017 2:00	1016	1016	1193	1193
7/14/2017 3:00	1016	1016	1192	1193
7/14/2017 4:00	1016	1016	1192	1192
7/14/2017 5:00	1016	1016	1192	1193
7/14/2017 6:00	1016	1016	1193	1194
7/14/2017 7:00	1016	1017	1191	1193
7/14/2017 8:00	1017	1017	1191	1192
7/14/2017 9:00	1017	1017	1191	1193
7/14/2017 10:00	1017	1017	1192	1194
7/14/2017 11:00	1017	1017	1191	1192
7/14/2017 12:00	1017	1018	1191	1191
7/14/2017 13:00	1018	1018	1191	1191
7/14/2017 14:00	1018	1018	1191	1191
7/14/2017 15:00	1018	1018	1191	1191
7/14/2017 16:00	1018	1018	1191	1191
7/14/2017 17:00	1018	1018	1191	1191
7/14/2017 18:00	1018	1018	1191	1191
7/14/2017 19:00	1018	1018	1190	1191
7/14/2017 20:00	1018	1018	1189	1190
7/14/2017 21:00	1018	1018	1189	1189
7/14/2017 22:00	1018	1018	1187	1189
7/14/2017 23:00	1018	1018	1186	1187
7/15/2017 0:00	1018	1018	1187	1189
7/15/2017 1:00	1018	1018	1189	1191
7/15/2017 2:00	1018	1019	1191	1193
7/15/2017 3:00	1019	1019	1193	1194
7/15/2017 4:00	1019	1019	1193	1194
7/15/2017 5:00	1019	1019	1193	1194
7/15/2017 6:00	1019	1019	1193	1194
7/15/2017 7:00	1019	1019	1192	1193
7/15/2017 8:00	1019	1019	1192	1193
7/15/2017 9:00	1019	1019	1192	1193
7/15/2017 10:00	1019	1019	1192	1192
7/15/2017 11:00	1019	1019	1192	1192
7/15/2017 12:00	1019	1019	1191	1192
7/15/2017 13:00	1019	1019	1191	1191
7/15/2017 14:00	1019	1019	1191	1191
7/15/2017 15:00	1019	1019	1191	1192
7/15/2017 16:00	1019	1019	1192	1193
7/15/2017 17:00	1019	1019	1193	1193
7/15/2017 18:00	1019	1019	1193	1193
7/15/2017 19:00	1019	1019	1193	1194
7/15/2017 20:00	1019	1019	1193	1194
7/15/2017 21:00	1019	1019	1193	1194
7/15/2017 22:00	1019	1019	1194	1194
7/15/2017 23:00	1019	1019	1194	1196
7/16/2017 0:00	1019	1019	1195	1196
7/16/2017 1:00	1019	1020	1195	1195
7/16/2017 2:00	1020	1020	1195	1195
7/16/2017 3:00	1020	1020	1195	1195
7/16/2017 4:00	1020	1020	1195	1196
7/16/2017 5:00	1020	1020	1195	1197
7/16/2017 6:00	1020	1020	1195	1197

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/16/2017 7:00	1020	1022	1195	1196
7/16/2017 8:00	1022	1023	1195	1196
7/16/2017 9:00	1023	1023	1195	1197
7/16/2017 10:00	1023	1024	1197	1199
7/16/2017 11:00	1024	1024	1198	1200
7/16/2017 12:00	1024	1024	1200	1200
7/16/2017 13:00	1023	1024	1200	1200
7/16/2017 14:00	1023	1023	1200	1200
7/16/2017 15:00	1023	1023	1200	1200
7/16/2017 16:00	1022	1023	1199	1200
7/16/2017 17:00	1022	1022	1197	1199
7/16/2017 18:00	1022	1022	1196	1197
7/16/2017 19:00	1021	1022	1196	1197
7/16/2017 20:00	1021	1021	1196	1197
7/16/2017 21:00	1021	1021	1195	1196
7/16/2017 22:00	1021	1021	1194	1195
7/16/2017 23:00	1021	1021	1194	1194
7/17/2017 0:00	1021	1021	1194	1195
7/17/2017 1:00	1021	1021	1194	1195
7/17/2017 2:00	1021	1021	1193	1195
7/17/2017 3:00	1020	1021	1193	1194
7/17/2017 4:00	1020	1020	1193	1194
7/17/2017 5:00	1020	1020	1194	1194
7/17/2017 6:00	1020	1021	1194	1195
7/17/2017 7:00	1021	1021	1194	1194
7/17/2017 8:00	1021	1021	1194	1194
7/17/2017 9:00	1021	1021	1193	1194
7/17/2017 10:00	1021	1021	1192	1193
7/17/2017 11:00	1021	1021	1192	1193
7/17/2017 12:00	1021	1021	1192	1193
7/17/2017 13:00	1020	1021	1192	1193
7/17/2017 14:00	1020	1020	1193	1193
7/17/2017 15:00	1020	1020	1193	1194
7/17/2017 16:00	1020	1020	1194	1194
7/17/2017 17:00	1020	1020	1192	1194
7/17/2017 18:00	1020	1020	1191	1192
7/17/2017 19:00	1020	1020	1192	1193
7/17/2017 20:00	1020	1020	1193	1194
7/17/2017 21:00	1019	1020	1194	1194
7/17/2017 22:00	1019	1019	1194	1195
7/17/2017 23:00	1019	1019	1194	1195
7/18/2017 0:00	1019	1019	1195	1195
7/18/2017 1:00	1019	1019	1194	1195
7/18/2017 2:00	1019	1019	1193	1194
7/18/2017 3:00	1019	1019	1193	1194
7/18/2017 4:00	1019	1020	1194	1197
7/18/2017 5:00	1020	1020	1196	1197
7/18/2017 6:00	1020	1020	1196	1196
7/18/2017 7:00	1020	1021	1195	1196
7/18/2017 8:00	1021	1021	1195	1197
7/18/2017 9:00	1021	1021	1194	1197
7/18/2017 10:00	1021	1021	1193	1195
7/18/2017 11:00	1021	1021	1194	1195
7/18/2017 12:00	1020	1021	1195	1195
7/18/2017 13:00	1020	1020	1195	1195
7/18/2017 14:00	1020	1020	1195	1196
7/18/2017 15:00	1020	1020	1196	1196
7/18/2017 16:00	1019	1020	1196	1197
7/18/2017 17:00	1019	1019	1197	1197
7/18/2017 18:00	1019	1019	1197	1197
7/18/2017 19:00	1019	1019	1196	1197
7/18/2017 20:00	1019	1019	1193	1196
7/18/2017 21:00	1019	1019	1186	1193
7/18/2017 22:00	1019	1019	1186	1187
7/18/2017 23:00	1019	1020	1187	1190
7/19/2017 0:00	1020	1020	1190	1193
7/19/2017 1:00	1020	1020	1193	1196
7/19/2017 2:00	1020	1020	1196	1198
7/19/2017 3:00	1020	1020	1198	1199
7/19/2017 4:00	1020	1021	1199	1199
7/19/2017 5:00	1021	1021	1199	1199
7/19/2017 6:00	1021	1021	1198	1199
7/19/2017 7:00	1021	1021	1198	1198
7/19/2017 8:00	1021	1021	1197	1198
7/19/2017 9:00	1021	1021	1197	1197

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/19/2017 10:00	1021	1021	1197	1197
7/19/2017 11:00	1020	1021	1197	1197
7/19/2017 12:00	1020	1020	1197	1197
7/19/2017 13:00	1019	1020	1197	1197
7/19/2017 14:00	1019	1019	1197	1197
7/19/2017 15:00	1019	1019	1197	1197
7/19/2017 16:00	1019	1019	1197	1197
7/19/2017 17:00	1018	1019	1197	1197
7/19/2017 18:00	1018	1018	1196	1197
7/19/2017 19:00	1018	1018	1196	1196
7/19/2017 20:00	1018	1018	1196	1197
7/19/2017 21:00	1018	1018	1196	1196
7/19/2017 22:00	1018	1018	1196	1197
7/19/2017 23:00	1018	1019	1197	1197
7/20/2017 0:00	1019	1019	1197	1197
7/20/2017 1:00	1019	1019	1196	1197
7/20/2017 2:00	1019	1019	1196	1196
7/20/2017 3:00	1019	1020	1195	1196
7/20/2017 4:00	1020	1020	1194	1195
7/20/2017 5:00	1020	1021	1194	1195
7/20/2017 6:00	1021	1021	1194	1195
7/20/2017 7:00	1021	1021	1194	1195
7/20/2017 8:00	1021	1021	1194	1194
7/20/2017 9:00	1021	1021	1194	1194
7/20/2017 10:00	1021	1021	1194	1195
7/20/2017 11:00	1021	1021	1194	1194
7/20/2017 12:00	1021	1022	1194	1194
7/20/2017 13:00	1022	1022	1194	1194
7/20/2017 14:00	1022	1022	1194	1194
7/20/2017 15:00	1021	1022	1193	1194
7/20/2017 16:00	1021	1021	1193	1194
7/20/2017 17:00	1021	1021	1193	1194
7/20/2017 18:00	1021	1021	1193	1194
7/20/2017 19:00	1021	1021	1193	1193
7/20/2017 20:00	1021	1021	1193	1193
7/20/2017 21:00	1021	1022	1193	1194
7/20/2017 22:00	1022	1022	1194	1194
7/20/2017 23:00	1021	1022	1193	1194
7/21/2017 0:00	1021	1022	1194	1194
7/21/2017 1:00	1022	1022	1194	1194
7/21/2017 2:00	1022	1022	1194	1194
7/21/2017 3:00	1022	1022	1193	1194
7/21/2017 4:00	1021	1022	1193	1193
7/21/2017 5:00	1021	1021	1193	1193
7/21/2017 6:00	1021	1021	1193	1194
7/21/2017 7:00	1021	1021	1194	1194
7/21/2017 8:00	1021	1021	1194	1194
7/21/2017 9:00	1021	1021	1193	1194
7/21/2017 10:00	1021	1022	1184	1193
7/21/2017 11:00	1022	1022	1187	1193
7/21/2017 12:00	1022	1022	1193	1194
7/21/2017 13:00	1022	1022	1192	1195
7/21/2017 14:00	1022	1022	1191	1192
7/21/2017 15:00	1022	1022	1191	1191
7/21/2017 16:00	1022	1022	1191	1193
7/21/2017 17:00	1022	1023	1192	1195
7/21/2017 18:00	1023	1023	1192	1195
7/21/2017 19:00	1023	1023	1192	1193
7/21/2017 20:00	1023	1023	1190	1192
7/21/2017 21:00	1022	1023	1190	1192
7/21/2017 22:00	1022	1022	1191	1192
7/21/2017 23:00	1022	1022	1191	1191
7/22/2017 0:00	1022	1022	1191	1192
7/22/2017 1:00	1022	1022	1192	1193
7/22/2017 2:00	1022	1022	1193	1193
7/22/2017 3:00	1022	1022	1192	1193
7/22/2017 4:00	1022	1022	1192	1193
7/22/2017 5:00	1022	1022	1192	1193
7/22/2017 6:00	1022	1022	1192	1193
7/22/2017 7:00	1022	1022	1192	1193
7/22/2017 8:00	1022	1022	1193	1193
7/22/2017 9:00	1022	1022	1181	1193
7/22/2017 10:00	1022	1022	1153	1182
7/22/2017 11:00	1022	1022	1145	1153
7/22/2017 12:00	1022	1022	1145	1155

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/22/2017 13:00	1022	1022	1155	1164
7/22/2017 14:00	1022	1022	1164	1175
7/22/2017 15:00	1022	1022	1175	1181
7/22/2017 16:00	1022	1022	1181	1187
7/22/2017 17:00	1022	1022	1187	1188
7/22/2017 18:00	1022	1022	1187	1190
7/22/2017 19:00	1022	1023	1190	1193
7/22/2017 20:00	1022	1023	1193	1197
7/22/2017 21:00	1022	1022	1197	1198
7/22/2017 22:00	1022	1022	1198	1199
7/22/2017 23:00	1022	1022	1198	1199
7/23/2017 0:00	1022	1023	1198	1199
7/23/2017 1:00	1023	1023	1198	1198
7/23/2017 2:00	1023	1023	1198	1199
7/23/2017 3:00	1022	1023	1199	1199
7/23/2017 4:00	1022	1022	1198	1199
7/23/2017 5:00	1021	1022	1197	1198
7/23/2017 6:00	1021	1022	1197	1197
7/23/2017 7:00	1022	1022	1197	1197
7/23/2017 8:00	1022	1022	1197	1197
7/23/2017 9:00	1022	1022	1196	1197
7/23/2017 10:00	1022	1022	1196	1197
7/23/2017 11:00	1022	1022	1196	1196
7/23/2017 12:00	1022	1023	1196	1196
7/23/2017 13:00	1023	1023	1196	1196
7/23/2017 14:00	1023	1023	1195	1196
7/23/2017 15:00	1023	1023	1195	1196
7/23/2017 16:00	1023	1023	1195	1195
7/23/2017 17:00	1022	1023	1195	1195
7/23/2017 18:00	1022	1022	1195	1195
7/23/2017 19:00	1022	1022	1195	1196
7/23/2017 20:00	1022	1022	1196	1196
7/23/2017 21:00	1022	1022	1196	1196
7/23/2017 22:00	1022	1022	1196	1196
7/23/2017 23:00	1022	1022	1196	1196
7/24/2017 0:00	1022	1022	1196	1197
7/24/2017 1:00	1021	1022	1197	1197
7/24/2017 2:00	1021	1021	1197	1197
7/24/2017 3:00	1021	1021	1197	1197
7/24/2017 4:00	1021	1021	1197	1197
7/24/2017 5:00	1021	1021	121	1197
7/24/2017 6:00	1021	1021	1195	1197
7/24/2017 7:00	1021	1021	1193	1195
7/24/2017 8:00	1021	1021	1193	1195
7/24/2017 9:00	1021	1022	1193	1195
7/24/2017 10:00	1022	1022	1190	1193
7/24/2017 11:00	1022	1022	1189	1190
7/24/2017 12:00	1022	1022	1190	1192
7/24/2017 13:00	1022	1022	1192	1194
7/24/2017 14:00	1021	1022	1194	1194
7/24/2017 15:00	1021	1021	1193	1194
7/24/2017 16:00	1021	1021	1192	1193
7/24/2017 17:00	1021	1021	1192	1192
7/24/2017 18:00	1021	1021	1192	1193
7/24/2017 19:00	1020	1021	1193	1194
7/24/2017 20:00	1020	1020	1191	1194
7/24/2017 21:00	1020	1020	1189	1191
7/24/2017 22:00	1019	1020	1189	1190
7/24/2017 23:00	1019	1019	1189	1190
7/25/2017 0:00	1019	1019	1190	1193
7/25/2017 1:00	1019	1019	1190	1193
7/25/2017 2:00	1019	1019	1190	1191
7/25/2017 3:00	1019	1019	1191	1192
7/25/2017 4:00	1019	1019	1192	1192
7/25/2017 5:00	1019	1019	1191	1192
7/25/2017 6:00	1019	1019	1190	1191
7/25/2017 7:00	1019	1019	1189	1190
7/25/2017 8:00	1019	1020	1190	1191
7/25/2017 9:00	1020	1020	1190	1191
7/25/2017 10:00	1020	1020	1190	1191
7/25/2017 11:00	1020	1020	1191	1193
7/25/2017 12:00	1020	1020	1191	1193
7/25/2017 13:00	1019	1020	1191	1191
7/25/2017 14:00	1019	1020	1191	1192
7/25/2017 15:00	1020	1020	1192	1192

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/25/2017 16:00	1020	1020	1192	1193
7/25/2017 17:00	1020	1020	1193	1195
7/25/2017 18:00	1020	1020	1193	1195
7/25/2017 19:00	1020	1021	1193	1199
7/25/2017 20:00	1021	1021	1199	1200
7/25/2017 21:00	1021	1021	1196	1200
7/25/2017 22:00	1021	1021	1195	1196
7/25/2017 23:00	1021	1021	1194	1196
7/26/2017 0:00	1020	1021	1194	1195
7/26/2017 1:00	1019	1020	1195	1195
7/26/2017 2:00	1019	1019	1195	1196
7/26/2017 3:00	1019	1020	1196	1198
7/26/2017 4:00	1020	1020	1198	1199
7/26/2017 5:00	1020	1020	1199	1199
7/26/2017 6:00	1020	1021	1199	1200
7/26/2017 7:00	1021	1021	1200	1200
7/26/2017 8:00	1021	1021	1200	1200
7/26/2017 9:00	1020	1021	1200	1200
7/26/2017 10:00	1020	1020	1199	1200
7/26/2017 11:00	1020	1020	1196	1199
7/26/2017 12:00	1020	1020	1196	1196
7/26/2017 13:00	1020	1020	1196	1197
7/26/2017 14:00	1020	1020	1197	1197
7/26/2017 15:00	1020	1020	1197	1198
7/26/2017 16:00	1020	1020	1197	1198
7/26/2017 17:00	1020	1020	1197	1197
7/26/2017 18:00	1020	1020	1197	1198
7/26/2017 19:00	1020	1020	1198	1198
7/26/2017 20:00	1020	1020	1198	1199
7/26/2017 21:00	1020	1021	1199	1200
7/26/2017 22:00	1021	1021	1200	1200
7/26/2017 23:00	1021	1021	1200	1200
7/27/2017 0:00	1021	1021	1200	1200
7/27/2017 1:00	1021	1021	1199	1200
7/27/2017 2:00	1021	1021	1199	1200
7/27/2017 3:00	1021	1022	126	1199
7/27/2017 4:00	1022	1022	1198	1199
7/27/2017 5:00	1022	1022	1197	1199
7/27/2017 6:00	1022	1022	1196	1197
7/27/2017 7:00	1022	1022	1197	1197
7/27/2017 8:00	1022	1022	1197	1197
7/27/2017 9:00	1021	1022	1197	1198
7/27/2017 10:00	1021	1021	1198	1198
7/27/2017 11:00	1021	1021	1198	1198
7/27/2017 12:00	1021	1021	1198	1198
7/27/2017 13:00	1021	1021	1198	1198
7/27/2017 14:00	1021	1021	1198	1198
7/27/2017 15:00	1021	1021	1198	1198
7/27/2017 16:00	1021	1021	1198	1199
7/27/2017 17:00	1021	1021	1198	1199
7/27/2017 18:00	1021	1021	1199	1199
7/27/2017 19:00	1021	1021	1199	1200
7/27/2017 20:00	1021	1021	1200	1200
7/27/2017 21:00	1021	1022	1199	1200
7/27/2017 22:00	1022	1022	1197	1200
7/27/2017 23:00	1022	1022	1197	1200
7/28/2017 0:00	1022	1022	1199	1200
7/28/2017 1:00	1022	1022	1199	1199
7/28/2017 2:00	1022	1022	1199	1199
7/28/2017 3:00	1022	1022	1198	1199
7/28/2017 4:00	1022	1022	1198	1198
7/28/2017 5:00	1021	1022	1198	1198
7/28/2017 6:00	1021	1021	1198	1198
7/28/2017 7:00	1020	1021	1197	1198
7/28/2017 8:00	1020	1020	1197	1197
7/28/2017 9:00	1019	1020	1197	1197
7/28/2017 10:00	1017	1019	1197	1198
7/28/2017 11:00	1017	1017	1198	1198
7/28/2017 12:00	1016	1017	1198	1198
7/28/2017 13:00	1016	1016	1198	1198
7/28/2017 14:00	1016	1016	1198	1199
7/28/2017 15:00	1016	1016	1194	1199
7/28/2017 16:00	1016	1016	1191	1194
7/28/2017 17:00	1016	1017	1188	1191
7/28/2017 18:00	1017	1017	1188	1189

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
7/28/2017 19:00	1017	1017	1189	1190
7/28/2017 20:00	1017	1017	1188	1190
7/28/2017 21:00	1017	1017	1188	1189
7/28/2017 22:00	1017	1017	1188	1188
7/28/2017 23:00	1017	1017	1187	1188
7/29/2017 0:00	1017	1017	1188	1188
7/29/2017 1:00	1017	1017	1188	1188
7/29/2017 2:00	1017	1018	1188	1189
7/29/2017 3:00	1018	1018	1186	1188
7/29/2017 4:00	1018	1018	1186	1187
7/29/2017 5:00	1018	1018	1187	1188
7/29/2017 6:00	1018	1018	1188	1188
7/29/2017 7:00	1018	1018	1187	1188
7/29/2017 8:00	1018	1018	1187	1187
7/29/2017 9:00	1018	1018	1187	1187
7/29/2017 10:00	1018	1018	1187	1187
7/29/2017 11:00	1018	1019	1186	1187
7/29/2017 12:00	1019	1019	1186	1188
7/29/2017 13:00	1019	1019	1187	1188
7/29/2017 14:00	1019	1019	1187	1188
7/29/2017 15:00	1019	1019	1187	1187
7/29/2017 16:00	1019	1019	1187	1188
7/29/2017 17:00	1019	1019	1188	1191
7/29/2017 18:00	1019	1019	1191	1192
7/29/2017 19:00	1019	1019	1192	1192
7/29/2017 20:00	1019	1019	1192	1192
7/29/2017 21:00	1019	1019	1192	1192
7/29/2017 22:00	1019	1019	1192	1193
7/29/2017 23:00	1019	1019	1192	1193
7/30/2017 0:00	1019	1019	1192	1193
7/30/2017 1:00	1019	1020	1193	1193
7/30/2017 2:00	1020	1020	1192	1193
7/30/2017 3:00	1020	1020	1192	1192
7/30/2017 4:00	1020	1020	1192	1193
7/30/2017 5:00	1020	1021	1193	1194
7/30/2017 6:00	1021	1021	1194	1194
7/30/2017 7:00	1021	1021	1194	1194
7/30/2017 8:00	1021	1021	1193	1194
7/30/2017 9:00	1021	1021	1193	1193
7/30/2017 10:00	1021	1021	1193	1193
7/30/2017 11:00	1021	1021	1193	1193
7/30/2017 12:00	1021	1021	1192	1193
7/30/2017 13:00	1021	1021	1192	1192
7/30/2017 14:00	1021	1021	1191	1192
7/30/2017 15:00	1021	1021	1188	1191
7/30/2017 16:00	1021	1021	1187	1188
7/30/2017 17:00	1021	1021	1187	1188
7/30/2017 18:00	1020	1021	1188	1189
7/30/2017 19:00	1020	1020	1189	1190
7/30/2017 20:00	1020	1020	1190	1193
7/30/2017 21:00	1020	1020	1193	1194
7/30/2017 22:00	1020	1020	1194	1194
7/30/2017 23:00	1020	1020	1193	1194
7/31/2017 0:00	1020	1020	1193	1194
7/31/2017 1:00	1020	1020	1194	1195
7/31/2017 2:00	1020	1020	1195	1196
7/31/2017 3:00	1020	1020	1195	1196
7/31/2017 4:00	1020	1021	1195	1195
7/31/2017 5:00	1021	1021	1195	1195
7/31/2017 6:00	1021	1021	1195	1195
7/31/2017 7:00	1021	1021	1194	1195
7/31/2017 8:00	1021	1021	1194	1195
7/31/2017 9:00	1021	1021	1194	1194
7/31/2017 10:00	1021	1021	1194	1194
7/31/2017 11:00	1021	1021	1194	1195
7/31/2017 12:00	1021	1021	1195	1195
7/31/2017 13:00	1021	1021	1195	1195
7/31/2017 14:00	1021	1021	1194	1195
7/31/2017 15:00	1021	1021	1194	1194
7/31/2017 16:00	1021	1021	1194	1195
7/31/2017 17:00	1021	1021	1194	1195
7/31/2017 18:00	1021	1021	1195	1195
7/31/2017 19:00	1021	1021	1195	1195
7/31/2017 20:00	1021	1021	1195	1195
7/31/2017 21:00	1021	1021	1195	1197
7/31/2017 22:00	1020	1021	1195	1196
7/31/2017 23:00	1020	1020	1195	1195
	Min (Btu/cf)	Max (Btu/cf)	Min (Btu/cf)	Max (Btu/cf)
	1016	1024	121	1200