



825 Rice Street  
Saint Paul, MN 55117

June 18, 2016

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 May 2016 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,

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
5/1/2016 0:00	1020	1020	1200	1200
5/1/2016 1:00	1020	1021	1200	1200
5/1/2016 2:00	1021	1022	1200	1200
5/1/2016 3:00	1022	1022	1200	1200
5/1/2016 4:00	1022	1022	1200	1200
5/1/2016 5:00	1022	1022	1200	1200
5/1/2016 6:00	1022	1023	1200	1200
5/1/2016 7:00	1023	1023	1200	1200
5/1/2016 8:00	1023	1024	1200	1200
5/1/2016 9:00	1024	1024	1200	1200
5/1/2016 13:00	1020	1020	1200	1200
5/1/2016 14:00	1020	1020	1200	1200
5/1/2016 15:00	1020	1021	1200	1200
5/1/2016 16:00	1021	1021	1200	1200
5/1/2016 17:00	1021	1022	1200	1200
5/1/2016 18:00	1022	1022	1200	1200
5/1/2016 19:00	1022	1023	1200	1200
5/1/2016 20:00	1023	1023	1200	1200
5/1/2016 21:00	1022	1023	1200	1200
5/1/2016 22:00	1022	1022	1200	1200
5/1/2016 23:00	1021	1022	1200	1200
5/2/2016 0:00	1021	1021	1200	1200
5/2/2016 1:00	1021	1022	1200	1200
5/2/2016 2:00	1022	1024	1200	1200
5/2/2016 3:00	1024	1024	1200	1200
5/2/2016 4:00	1024	1025	1200	1200
5/2/2016 5:00	1024	1025	1200	1200
5/2/2016 6:00	1024	1024	1200	1200
5/2/2016 7:00	1023	1024	1200	1200
5/2/2016 8:00	1023	1023	1200	1200
5/2/2016 9:00	1023	1023	1200	1200
5/2/2016 10:00	1023	1023	1200	1200
5/2/2016 11:00	1023	1023	1200	1200
5/2/2016 12:00	1023	1024	1200	1200
5/2/2016 13:00	1024	1025	1200	1200
5/2/2016 14:00	1025	1025	1200	1200
5/2/2016 15:00	1025	1026	1200	1200
5/2/2016 16:00	1026	1026	1200	1200
5/2/2016 17:00	1026	1026	1200	1200
5/2/2016 18:00	1026	1026	1200	1200
5/2/2016 19:00	1024	1026	1200	1200
5/2/2016 20:00	1024	1024	1200	1200
5/2/2016 21:00	1023	1024	1200	1200
5/2/2016 22:00	1023	1023	1200	1200
5/2/2016 23:00	1023	1023	1200	1200
5/3/2016 0:00	1022	1023	1200	1200
5/3/2016 1:00	1022	1022	1200	1200
5/3/2016 2:00	1022	1023	1200	1200
5/3/2016 3:00	1023	1023	1200	1200
5/3/2016 4:00	1023	1023	1200	1200
5/3/2016 5:00	1022	1023	1200	1200
5/3/2016 6:00	1022	1023	1200	1200
5/3/2016 7:00	1023	1023	1200	1200
5/3/2016 8:00	1023	1023	1200	1200
5/3/2016 9:00	1023	1023	1200	1200
5/3/2016 10:00	1023	1023	1200	1200
5/3/2016 11:00	1023	1023	1200	1200
5/3/2016 12:00	1023	1023	1200	1200
5/3/2016 13:00	1023	1023	1200	1200
5/3/2016 14:00	1023	1023	1200	1200
5/3/2016 15:00	1023	1023	1200	1200
5/3/2016 16:00	1023	1023	1200	1200
5/3/2016 17:00	1023	1023	1200	1200
5/3/2016 18:00	1023	1023	1200	1200
5/3/2016 19:00	1023	1023	1200	1200
5/3/2016 20:00	1023	1023	1200	1200
5/3/2016 21:00	1023	1023	1200	1200
5/3/2016 22:00	1022	1023	1200	1200
5/3/2016 23:00	1022	1022	1200	1200
5/4/2016 0:00	1021	1022	1200	1200
5/4/2016 1:00	1020	1021	1200	1200
5/4/2016 2:00	1020	1020	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
5/4/2016 3:00	1019	1020	1200	1200
5/4/2016 4:00	1018	1019	1200	1200
5/4/2016 5:00	1017	1018	1200	1200
5/4/2016 6:00	1017	1017	1200	1200
5/4/2016 7:00	1017	1017	1200	1200
5/4/2016 8:00	1017	1017	1200	1200
5/4/2016 9:00	1017	1017	1200	1200
5/4/2016 10:00	1017	1018	1200	1200
5/4/2016 11:00	1018	1018	1200	1200
5/4/2016 12:00	1018	1018	1200	1200
5/4/2016 13:00	1018	1019	1200	1200
5/4/2016 14:00	1019	1020	1200	1200
5/4/2016 15:00	1020	1022	1200	1200
5/4/2016 16:00	1022	1022	1200	1200
5/4/2016 17:00	1022	1023	1200	1200
5/4/2016 18:00	1023	1023	1200	1200
5/4/2016 19:00	1022	1023	1200	1200
5/4/2016 20:00	1021	1022	1200	1200
5/4/2016 21:00	1021	1021	1200	1200
5/4/2016 22:00	1020	1021	1200	1200
5/4/2016 23:00	1020	1020	1200	1200
5/5/2016 0:00	1020	1020	1200	1200
5/5/2016 1:00	1019	1020	1200	1200
5/5/2016 2:00	1019	1019	1200	1200
5/5/2016 3:00	1019	1019	1200	1200
5/5/2016 4:00	1019	1019	1200	1200
5/5/2016 5:00	1018	1019	1200	1200
5/5/2016 6:00	1018	1018	1200	1200
5/5/2016 7:00	1017	1018	1200	1200
5/5/2016 8:00	1017	1017	1200	1200
5/5/2016 9:00	1017	1017	1200	1200
5/5/2016 10:00	1017	1017	1200	1200
5/5/2016 11:00	1017	1017	1200	1200
5/5/2016 12:00	1017	1017	1200	1200
5/5/2016 13:00	1017	1017	1200	1200
5/5/2016 14:00	1017	1017	1200	1200
5/5/2016 15:00	1017	1017	1200	1200
5/5/2016 16:00	1017	1017	1200	1200
5/5/2016 17:00	1017	1017	1200	1200
5/5/2016 18:00	1017	1017	1200	1200
5/5/2016 19:00	1017	1017	1200	1200
5/5/2016 20:00	1017	1017	1200	1200
5/5/2016 21:00	1016	1017	1200	1200
5/5/2016 22:00	1016	1016	1200	1200
5/5/2016 23:00	1016	1016	1200	1200
5/6/2016 0:00	1016	1016	1200	1200
5/6/2016 1:00	1016	1016	1200	1200
5/6/2016 2:00	1016	1016	1200	1200
5/6/2016 3:00	1016	1016	1200	1200
5/6/2016 4:00	1016	1016	1200	1200
5/6/2016 5:00	1016	1016	1200	1200
5/6/2016 6:00	1016	1016	1200	1200
5/6/2016 7:00	1015	1016	1200	1200
5/6/2016 8:00	1015	1015	1200	1200
5/6/2016 9:00	1015	1015	1200	1200
5/6/2016 10:00	1015	1015	1200	1200
5/6/2016 11:00	1015	1017	1200	1200
5/6/2016 12:00	1010	1017	1200	1200
5/6/2016 13:00	1010	1018	1200	1200
5/6/2016 14:00	1017	1018	1200	1200
5/6/2016 15:00	1017	1017	1200	1200
5/6/2016 16:00	1017	1017	1200	1200
5/6/2016 17:00	1017	1017	1200	1200
5/6/2016 18:00	1017	1017	1200	1200
5/6/2016 19:00	1016	1017	1200	1200
5/6/2016 20:00	1016	1016	1200	1200
5/6/2016 21:00	1016	1016	1200	1200
5/6/2016 22:00	1015	1016	1200	1200
5/6/2016 23:00	1015	1015	1200	1200
5/7/2016 0:00	1015	1015	1200	1200
5/7/2016 1:00	1015	1015	1200	1200
5/7/2016 2:00	1014	1015	1200	1200
5/7/2016 3:00	1014	1014	1200	1200
5/7/2016 4:00	1014	1014	1200	1200
5/7/2016 5:00	1014	1014	1200	1200
5/7/2016 6:00	1014	1014	1200	1200
5/7/2016 7:00	1014	1014	1200	1200
5/7/2016 8:00	1014	1015	1200	1200
5/7/2016 9:00	1015	1015	1200	1200
5/7/2016 10:00	1015	1015	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
5/7/2016 11:00	1015	1015	1200	1200
5/7/2016 12:00	1015	1015	1200	1200
5/7/2016 13:00	1015	1015	1200	1200
5/7/2016 14:00	1015	1015	1200	1200
5/7/2016 15:00	1015	1015	1200	1200
5/7/2016 16:00	1014	1015	1200	1200
5/7/2016 17:00	1014	1014	1200	1200
5/7/2016 18:00	1014	1014	1200	1200
5/7/2016 19:00	1014	1014	1200	1200
5/7/2016 20:00	1014	1014	1200	1200
5/7/2016 21:00	1014	1014	1200	1200
5/7/2016 22:00	1014	1014	1200	1200
5/7/2016 23:00	1014	1014	1200	1200
5/8/2016 0:00	1014	1014	1200	1200
5/8/2016 1:00	1014	1014	1200	1200
5/8/2016 2:00	1014	1014	1200	1200
5/8/2016 3:00	1014	1014	1200	1200
5/8/2016 4:00	1014	1014	1200	1200
5/8/2016 5:00	1014	1014	1200	1200
5/8/2016 6:00	1014	1014	1200	1200
5/8/2016 7:00	1014	1014	1200	1200
5/8/2016 8:00	1014	1015	1200	1200
5/8/2016 9:00	1015	1015	1200	1200
5/8/2016 10:00	1015	1015	1200	1200
5/8/2016 11:00	1015	1015	1200	1200
5/8/2016 12:00	1015	1015	1200	1200
5/8/2016 13:00	1015	1015	1200	1200
5/8/2016 14:00	1015	1015	1200	1200
5/8/2016 15:00	1016	1017	1200	1200
5/8/2016 16:00	1017	1019	1200	1200
5/8/2016 17:00	1019	1019	1200	1200
5/8/2016 18:00	1019	1019	1200	1200
5/8/2016 19:00	1019	1019	1200	1200
5/8/2016 20:00	1018	1019	1200	1200
5/8/2016 21:00	1017	1018	1200	1200
5/8/2016 22:00	1016	1017	1200	1200
5/8/2016 23:00	1016	1016	1200	1200
5/9/2016 0:00	1016	1016	1200	1200
5/9/2016 1:00	1015	1016	1200	1200
5/9/2016 2:00	1014	1015	1200	1200
5/9/2016 3:00	1014	1014	1200	1200
5/9/2016 4:00	1013	1014	1200	1200
5/9/2016 5:00	1013	1013	1200	1200
5/9/2016 6:00	1013	1013	1200	1200
5/9/2016 7:00	1013	1014	1200	1200
5/9/2016 8:00	1014	1015	1200	1200
5/9/2016 9:00	1015	1015	1200	1200
5/9/2016 10:00	1014	1015	1200	1200
5/9/2016 11:00	1014	1014	1200	1200
5/9/2016 12:00	1014	1015	1200	1200
5/9/2016 13:00	1015	1015	1200	1200
5/9/2016 14:00	1015	1015	1200	1200
5/9/2016 15:00	1014	1015	1200	1200
5/9/2016 16:00	1014	1014	1200	1200
5/9/2016 17:00	1013	1014	1200	1200
5/9/2016 18:00	1013	1013	1200	1200
5/9/2016 19:00	1013	1013	1200	1200
5/9/2016 20:00	1012	1013	1200	1200
5/9/2016 21:00	1012	1012	1200	1200
5/9/2016 22:00	1012	1012	1200	1200
5/9/2016 23:00	1012	1012	1200	1200
5/10/2016 0:00	1012	1012	1200	1200
5/10/2016 1:00	1012	1013	1200	1200
5/10/2016 2:00	1013	1013	1200	1200
5/10/2016 3:00	1013	1013	1200	1200
5/10/2016 4:00	1013	1013	1200	1200
5/10/2016 5:00	1013	1014	1200	1200
5/10/2016 6:00	1014	1014	1200	1200
5/10/2016 7:00	1014	1015	1200	1200
5/10/2016 8:00	1015	1015	1200	1200
5/10/2016 9:00	1015	1015	1200	1200
5/10/2016 10:00	1015	1015	1200	1200
5/10/2016 11:00	1015	1015	1200	1200
5/10/2016 12:00	1015	1016	1200	1200
5/10/2016 13:00	1016	1017	1200	1200
5/10/2016 14:00	1017	1018	1200	1200
5/10/2016 15:00	1018	1018	1200	1200
5/10/2016 16:00	1016	1018	1200	1200
5/10/2016 17:00	1015	1016	1200	1200
5/10/2016 18:00	1015	1015	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
5/10/2016 19:00	1014	1015	1200	1200
5/10/2016 20:00	1014	1014	1200	1200
5/10/2016 21:00	1014	1014	1200	1200
5/10/2016 22:00	1014	1014	1200	1200
5/10/2016 23:00	1014	1014	1200	1200
5/11/2016 0:00	1014	1014	1200	1200
5/11/2016 1:00	1014	1014	1200	1200
5/11/2016 2:00	1013	1014	1200	1200
5/11/2016 3:00	1013	1013	1200	1200
5/11/2016 4:00	1013	1014	1200	1200
5/11/2016 5:00	1014	1014	1200	1200
5/11/2016 6:00	1014	1014	1200	1200
5/11/2016 7:00	1014	1014	1200	1200
5/11/2016 8:00	1014	1014	1200	1200
5/11/2016 9:00	1014	1014	1200	1200
5/11/2016 10:00	1014	1014	1200	1200
5/11/2016 11:00	1014	1014	1200	1200
5/11/2016 12:00	1013	1014	1200	1200
5/11/2016 13:00	1012	1013	1200	1200
5/11/2016 14:00	1012	1012	1200	1200
5/11/2016 15:00	1012	1012	1200	1200
5/11/2016 16:00	1012	1012	1200	1200
5/11/2016 17:00	1011	1012	1200	1200
5/11/2016 18:00	1011	1011	1200	1200
5/11/2016 19:00	1011	1011	1200	1200
5/11/2016 20:00	1011	1011	1200	1200
5/11/2016 21:00	1011	1012	1200	1200
5/11/2016 22:00	1012	1012	1200	1200
5/11/2016 23:00	1012	1016	1200	1200
5/12/2016 0:00	1016	1024	1200	1200
5/12/2016 1:00	1024	1031	1200	1200
5/12/2016 2:00	1031	1032	1200	1200
5/12/2016 3:00	1032	1032	1200	1200
5/12/2016 4:00	1032	1032	1200	1200
5/12/2016 5:00	1032	1033	1200	1200
5/12/2016 6:00	1033	1033	1200	1200
5/12/2016 7:00	1033	1034	1200	1200
5/12/2016 8:00	1034	1034	1200	1200
5/12/2016 9:00	1034	1035	1200	1200
5/12/2016 10:00	1035	1035	1200	1200
5/12/2016 11:00	1035	1036	1200	1200
5/12/2016 12:00	1036	1036	1200	1200
5/12/2016 13:00	1036	1036	1200	1200
5/12/2016 14:00	1036	1036	1200	1200
5/12/2016 15:00	1036	1036	1200	1200
5/12/2016 16:00	1036	1036	1200	1200
5/12/2016 17:00	1036	1036	1200	1200
5/12/2016 18:00	1036	1036	1200	1200
5/12/2016 19:00	1036	1036	1200	1200
5/12/2016 20:00	1036	1036	1200	1200
5/12/2016 21:00	1036	1036	1200	1200
5/12/2016 22:00	1036	1036	1200	1200
5/12/2016 23:00	1036	1036	1200	1200
5/13/2016 0:00	1036	1036	1200	1200
5/13/2016 1:00	1036	1036	1200	1200
5/13/2016 2:00	1036	1036	1200	1200
5/13/2016 3:00	1036	1036	1200	1200
5/13/2016 4:00	1035	1036	1200	1200
5/13/2016 5:00	1035	1035	1200	1200
5/13/2016 6:00	1035	1035	1200	1200
5/13/2016 7:00	1035	1035	1200	1200
5/13/2016 8:00	1035	1035	1200	1200
5/13/2016 9:00	1035	1036	1200	1200
5/13/2016 10:00	1036	1037	1200	1200
5/13/2016 11:00	1037	1038	1200	1200
5/13/2016 12:00	1038	1039	1200	1200
5/13/2016 13:00	1039	1039	1200	1200
5/13/2016 14:00	1039	1039	1200	1200
5/13/2016 15:00	1039	1039	1200	1200
5/13/2016 16:00	1039	1039	1200	1200
5/13/2016 17:00	1039	1040	1200	1200
5/13/2016 18:00	1040	1040	1200	1200
5/13/2016 19:00	1040	1040	1200	1200
5/13/2016 20:00	1040	1040	1189	1200
5/13/2016 21:00	1040	1040	1186	1189
5/13/2016 22:00	1040	1040	1181	1186
5/13/2016 23:00	1040	1040	1180	1181
5/14/2016 0:00	1040	1040	1178	1180
5/14/2016 1:00	1040	1040	1178	1179
5/14/2016 2:00	1040	1040	1179	1182

**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
5/14/2016 3:00	1040	1041	1181	1182
5/14/2016 4:00	1041	1041	1181	1185
5/14/2016 5:00	1041	1042	1181	1193
5/14/2016 6:00	1042	1042	1193	1199
5/14/2016 7:00	1042	1042	1199	1200
5/14/2016 8:00	1041	1042	1200	1200
5/14/2016 9:00	1039	1041	1199	1200
5/14/2016 10:00	1038	1039	1199	1200
5/14/2016 11:00	1038	1038	1197	1200
5/14/2016 12:00	1038	1038	1190	1197
5/14/2016 13:00	1038	1038	1196	1197
5/14/2016 14:00	1038	1039	1190	1197
5/14/2016 15:00	1038	1039	1186	1190
5/14/2016 16:00	1038	1038	1177	1189
5/14/2016 17:00	1038	1038	1177	1179
5/14/2016 18:00	1038	1038	1173	1177
5/14/2016 19:00	1038	1038	1171	1175
5/14/2016 20:00	1038	1038	1173	1181
5/14/2016 21:00	1038	1039	1181	1186
5/14/2016 22:00	1038	1039	1186	1191
5/14/2016 23:00	1038	1038	1191	1195
5/15/2016 0:00	1038	1038	1195	1200
5/15/2016 1:00	1037	1038	1200	1200
5/15/2016 2:00	1037	1037	1200	1200
5/15/2016 3:00	1037	1037	1200	1200
5/15/2016 4:00	1037	1037	1200	1200
5/15/2016 5:00	1037	1037	1200	1200
5/15/2016 6:00	1037	1038	1200	1200
5/15/2016 7:00	1038	1038	1200	1200
5/15/2016 8:00	1038	1038	1200	1200
5/15/2016 9:00	1038	1039	1200	1200
5/15/2016 10:00	1039	1039	1200	1200
5/15/2016 11:00	1039	1039	1200	1200
5/15/2016 12:00	1039	1039	1200	1200
5/15/2016 13:00	1039	1039	1200	1200
5/15/2016 14:00	1039	1039	1200	1200
5/15/2016 15:00	1039	1039	1200	1200
5/15/2016 16:00	1039	1039	1200	1200
5/15/2016 17:00	1039	1039	1200	1200
5/15/2016 18:00	1039	1040	1200	1200
5/15/2016 19:00	1040	1040	1200	1200
5/15/2016 20:00	1040	1041	1200	1200
5/15/2016 21:00	1041	1041	1200	1200
5/15/2016 22:00	1041	1042	1200	1200
5/15/2016 23:00	1042	1043	1200	1200
5/16/2016 0:00	1043	1043	1200	1200
5/16/2016 1:00	1043	1044	1200	1200
5/16/2016 2:00	1043	1044	1200	1200
5/16/2016 3:00	1043	1043	1200	1200
5/16/2016 4:00	1042	1043	1200	1200
5/16/2016 5:00	1041	1042	1200	1200
5/16/2016 6:00	1040	1041	1200	1200
5/16/2016 7:00	1040	1040	1200	1200
5/16/2016 8:00	1040	1040	1200	1200
5/16/2016 9:00	1040	1040	1200	1200
5/16/2016 10:00	1040	1040	1200	1200
5/16/2016 11:00	1040	1040	1200	1200
5/16/2016 12:00	1040	1040	1200	1200
5/16/2016 13:00	1039	1040	1200	1200
5/16/2016 14:00	1039	1039	1200	1200
5/16/2016 15:00	1038	1039	1200	1200
5/16/2016 16:00	1038	1038	1200	1200
5/16/2016 17:00	1037	1038	1200	1200
5/16/2016 18:00	1037	1037	1200	1200
5/16/2016 19:00	1037	1038	1200	1200
5/16/2016 20:00	1038	1038	1200	1200
5/16/2016 21:00	1038	1038	1200	1200
5/16/2016 22:00	1038	1038	1200	1200
5/16/2016 23:00	1038	1038	1200	1200
5/17/2016 0:00	1038	1038	1200	1200
5/17/2016 1:00	1038	1038	1200	1200
5/17/2016 2:00	1038	1038	1200	1200
5/17/2016 3:00	1038	1038	1200	1200
5/17/2016 4:00	1038	1038	1200	1200
5/17/2016 5:00	1038	1038	1200	1200
5/17/2016 6:00	1038	1038	1200	1200
5/17/2016 7:00	1037	1038	1200	1200
5/17/2016 8:00	1037	1037	1200	1200
5/17/2016 9:00	1037	1037	1200	1200
5/17/2016 10:00	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
5/17/2016 11:00	1037	1038	1200	1200
5/17/2016 12:00	1038	1038	1200	1200
5/17/2016 13:00	1038	1039	1200	1200
5/17/2016 14:00	1039	1040	1200	1200
5/17/2016 15:00	1040	1040	1200	1200
5/17/2016 16:00	1040	1040	1200	1200
5/17/2016 17:00	1040	1040	1200	1200
5/17/2016 18:00	1040	1040	1200	1200
5/17/2016 19:00	1039	1040	1200	1200
5/17/2016 20:00	1039	1040	1200	1200
5/17/2016 21:00	1040	1040	1200	1200
5/17/2016 22:00	1040	1041	1200	1200
5/17/2016 23:00	1041	1042	1200	1200
5/18/2016 0:00	1042	1042	1200	1200
5/18/2016 1:00	1041	1042	1200	1200
5/18/2016 2:00	1039	1041	1200	1200
5/18/2016 3:00	1038	1039	1200	1200
5/18/2016 4:00	1038	1038	1200	1200
5/18/2016 5:00	1037	1038	1200	1200
5/18/2016 6:00	1036	1037	1200	1200
5/18/2016 7:00	1036	1036	1200	1200
5/18/2016 8:00	1036	1036	1200	1200
5/18/2016 9:00	1036	1036	1200	1200
5/18/2016 10:00	1036	1036	1200	1200
5/18/2016 11:00	1035	1036	1200	1200
5/18/2016 12:00	1032	1035	1200	1200
5/18/2016 13:00	1031	1032	1200	1200
5/18/2016 14:00	1029	1031	1200	1200
5/18/2016 15:00	1029	1029	1200	1200
5/18/2016 16:00	1028	1029	1200	1200
5/18/2016 17:00	1028	1028	1200	1200
5/18/2016 18:00	1027	1028	1200	1200
5/18/2016 19:00	1026	1027	1200	1200
5/18/2016 20:00	1025	1026	1200	1200
5/18/2016 21:00	1023	1025	1200	1200
5/18/2016 22:00	1023	1023	1200	1200
5/18/2016 23:00	1022	1023	1200	1200
5/19/2016 0:00	1022	1022	1200	1200
5/19/2016 1:00	1022	1022	1200	1200
5/19/2016 2:00	1022	1022	1200	1200
5/19/2016 3:00	1022	1022	1200	1200
5/19/2016 4:00	1022	1022	1200	1200
5/19/2016 5:00	1022	1022	1200	1200
5/19/2016 6:00	1022	1022	1200	1200
5/19/2016 7:00	1022	1022	1200	1200
5/19/2016 8:00	1022	1022	1200	1200
5/19/2016 9:00	1021	1022	1200	1200
5/19/2016 10:00	1021	1021	1200	1200
5/19/2016 11:00	1021	1021	1200	1200
5/19/2016 12:00	1020	1021	1200	1200
5/19/2016 13:00	1020	1020	1200	1200
5/19/2016 14:00	1020	1020	1200	1200
5/19/2016 15:00	1020	1021	1200	1200
5/19/2016 16:00	1021	1022	1200	1200
5/19/2016 17:00	1022	1023	1200	1200
5/19/2016 18:00	1023	1024	1200	1200
5/19/2016 19:00	1024	1025	1200	1200
5/19/2016 20:00	1025	1025	1200	1200
5/19/2016 21:00	1024	1025	1200	1200
5/19/2016 22:00	1024	1024	1200	1200
5/19/2016 23:00	1023	1024	1200	1200
5/20/2016 0:00	1022	1023	1200	1200
5/20/2016 1:00	1022	1022	1200	1200
5/20/2016 2:00	1021	1022	1200	1200
5/20/2016 3:00	1021	1021	1200	1200
5/20/2016 4:00	1021	1021	1200	1200
5/20/2016 5:00	1020	1021	1200	1200
5/20/2016 6:00	1020	1020	1200	1200
5/20/2016 7:00	1019	1020	1200	1200
5/20/2016 8:00	1019	1019	1200	1200
5/20/2016 9:00	1019	1019	1200	1200
5/20/2016 10:00	1019	1019	1200	1200
5/20/2016 11:00	1019	1019	1200	1200
5/20/2016 12:00	1019	1019	1200	1200
5/20/2016 13:00	1019	1019	1200	1200
5/20/2016 14:00	1019	1019	1200	1200
5/20/2016 15:00	1019	1019	1200	1200
5/20/2016 16:00	1019	1019	1200	1200
5/20/2016 17:00	1019	1019	1200	1200
5/20/2016 18:00	1019	1020	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
5/20/2016 19:00	1020	1020	1200	1200
5/20/2016 20:00	1020	1020	1200	1200
5/20/2016 21:00	1020	1020	1200	1200
5/20/2016 22:00	1020	1021	1200	1200
5/20/2016 23:00	1021	1021	1200	1200
5/21/2016 0:00	1021	1022	1200	1200
5/21/2016 1:00	1022	1022	1200	1200
5/21/2016 2:00	1022	1023	1200	1200
5/21/2016 3:00	1023	1023	1200	1200
5/21/2016 4:00	1023	1023	1200	1200
5/21/2016 5:00	1023	1023	1200	1200
5/21/2016 6:00	1023	1023	1200	1200
5/21/2016 7:00	1023	1023	1200	1200
5/21/2016 8:00	1023	1023	1200	1200
5/21/2016 9:00	1023	1023	1200	1200
5/21/2016 10:00	1022	1023	1200	1200
5/21/2016 11:00	1022	1022	1200	1200
5/21/2016 12:00	1022	1022	1200	1200
5/21/2016 13:00	1022	1022	1200	1200
5/21/2016 14:00	1022	1023	1200	1200
5/21/2016 15:00	1023	1023	1200	1200
5/21/2016 16:00	1023	1024	1200	1200
5/21/2016 17:00	1024	1025	1200	1200
5/21/2016 18:00	1025	1025	1200	1200
5/21/2016 19:00	1025	1025	1200	1200
5/21/2016 20:00	1025	1025	1200	1200
5/21/2016 21:00	1024	1025	1200	1200
5/21/2016 22:00	1022	1024	1200	1200
5/21/2016 23:00	1022	1022	1200	1200
5/22/2016 0:00	1021	1022	1200	1200
5/22/2016 1:00	1021	1021	1200	1200
5/22/2016 2:00	1021	1022	1200	1200
5/22/2016 3:00	1022	1022	1200	1200
5/22/2016 4:00	1022	1022	1200	1200
5/22/2016 5:00	1022	1022	1200	1200
5/22/2016 6:00	1022	1023	1200	1200
5/22/2016 7:00	1023	1023	1200	1200
5/22/2016 8:00	1023	1023	1200	1200
5/22/2016 9:00	1023	1023	1200	1200
5/22/2016 10:00	1023	1023	1200	1200
5/22/2016 11:00	1022	1023	1200	1200
5/22/2016 12:00	1022	1023	1200	1200
5/22/2016 13:00	1023	1023	1200	1200
5/22/2016 14:00	1023	1023	1200	1200
5/22/2016 15:00	1023	1023	1200	1200
5/22/2016 16:00	1023	1023	1200	1200
5/22/2016 17:00	1023	1023	1200	1200
5/22/2016 18:00	1023	1023	1200	1200
5/22/2016 19:00	1023	1023	1200	1200
5/22/2016 20:00	1022	1023	1200	1200
5/22/2016 21:00	1021	1022	1200	1200
5/22/2016 22:00	1020	1021	1200	1200
5/22/2016 23:00	1019	1020	1200	1200
5/23/2016 0:00	1019	1019	1200	1200
5/23/2016 1:00	1018	1019	1200	1200
5/23/2016 2:00	1018	1018	1200	1200
5/23/2016 3:00	1018	1018	1200	1200
5/23/2016 4:00	1017	1018	1200	1200
5/23/2016 5:00	1017	1017	1200	1200
5/23/2016 6:00	1017	1017	1200	1200
5/23/2016 7:00	1017	1017	1200	1200
5/23/2016 8:00	1016	1017	1200	1200
5/23/2016 9:00	1016	1016	1200	1200
5/23/2016 10:00	1015	1016	1200	1200
5/23/2016 11:00	1015	1015	1200	1200
5/23/2016 12:00	1015	1015	1200	1200
5/23/2016 13:00	1015	1015	1200	1200
5/23/2016 14:00	1015	1015	1200	1200
5/23/2016 15:00	1015	1015	1200	1200
5/23/2016 16:00	1014	1015	1200	1200
5/23/2016 17:00	1014	1014	1200	1200
5/23/2016 18:00	1014	1014	1200	1200
5/23/2016 19:00	1014	1014	1200	1200
5/23/2016 20:00	1014	1015	1200	1200
5/23/2016 21:00	1015	1015	1200	1200
5/23/2016 22:00	1015	1017	1200	1200
5/23/2016 23:00	1017	1019	1200	1200
5/24/2016 0:00	1019	1020	1200	1200
5/24/2016 1:00	1020	1023	1200	1200
5/24/2016 2:00	1023	1024	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
5/24/2016 3:00	1024	1024	1200	1200
5/24/2016 4:00	1022	1024	1200	1200
5/24/2016 5:00	1021	1022	1200	1200
5/24/2016 6:00	1020	1021	1200	1200
5/24/2016 7:00	1018	1020	1200	1200
5/24/2016 8:00	1018	1018	1200	1200
5/24/2016 9:00	1016	1018	1200	1200
5/24/2016 10:00	1016	1016	1200	1200
5/24/2016 11:00	1016	1016	1200	1200
5/24/2016 12:00	1016	1016	1200	1200
5/24/2016 13:00	1016	1016	1200	1200
5/24/2016 14:00	1016	1016	1200	1200
5/24/2016 15:00	1016	1016	1200	1200
5/24/2016 16:00	1016	1016	1200	1200
5/24/2016 17:00	1016	1016	1200	1200
5/24/2016 18:00	1016	1016	1200	1200
5/24/2016 19:00	1016	1016	1200	1200
5/24/2016 20:00	1016	1016	1200	1200
5/24/2016 21:00	1016	1016	1200	1200
5/24/2016 22:00	1016	1016	1200	1200
5/24/2016 23:00	1016	1016	1200	1200
5/25/2016 0:00	1016	1016	1200	1200
5/25/2016 1:00	1016	1016	1200	1200
5/25/2016 2:00	1016	1016	1200	1200
5/25/2016 3:00	1016	1016	1200	1200
5/25/2016 4:00	1016	1016	1200	1200
5/25/2016 5:00	1016	1016	1200	1200
5/25/2016 6:00	1016	1016	1200	1200
5/25/2016 7:00	1016	1016	1200	1200
5/25/2016 8:00	1016	1016	1200	1200
5/25/2016 9:00	1016	1016	1200	1200
5/25/2016 10:00	1016	1016	1200	1200
5/25/2016 11:00	1016	1017	1200	1200
5/25/2016 12:00	1017	1017	1200	1200
5/25/2016 13:00	1017	1018	1200	1200
5/25/2016 14:00	1018	1018	1200	1200
5/25/2016 15:00	1018	1019	1200	1200
5/25/2016 16:00	1019	1019	1200	1200
5/25/2016 17:00	1019	1020	1200	1200
5/25/2016 18:00	1020	1020	1200	1200
5/25/2016 19:00	1020	1021	1200	1200
5/25/2016 20:00	1021	1022	1200	1200
5/25/2016 21:00	1022	1023	1200	1200
5/25/2016 22:00	1023	1023	1200	1200
5/25/2016 23:00	1023	1023	1200	1200
5/26/2016 0:00	1023	1023	1200	1200
5/26/2016 1:00	1022	1023	1200	1200
5/26/2016 2:00	1021	1022	1200	1200
5/26/2016 3:00	1020	1021	1200	1200
5/26/2016 4:00	1019	1020	1200	1200
5/26/2016 5:00	1019	1019	1200	1200
5/26/2016 6:00	1019	1019	1200	1200
5/26/2016 7:00	1019	1019	1200	1200
5/26/2016 8:00	1019	1019	1200	1200
5/26/2016 9:00	1019	1019	1200	1200
5/26/2016 10:00	1019	1020	1200	1200
5/26/2016 11:00	1020	1020	1200	1200
5/26/2016 12:00	1020	1020	1200	1200
5/26/2016 13:00	1020	1020	1200	1200
5/26/2016 14:00	1020	1020	1200	1200
5/26/2016 15:00	1020	1020	1200	1200
5/26/2016 16:00	1020	1021	1200	1200
5/26/2016 17:00	1021	1021	1200	1200
5/26/2016 18:00	1021	1021	1200	1200
5/26/2016 19:00	1021	1021	1200	1200
5/26/2016 20:00	1021	1021	1200	1200
5/26/2016 21:00	1021	1021	1200	1200
5/26/2016 22:00	1021	1021	1200	1200
5/26/2016 23:00	1021	1021	1200	1200
5/27/2016 0:00	1021	1021	1200	1200
5/27/2016 1:00	1021	1021	1200	1200
5/27/2016 2:00	1021	1021	1200	1200
5/27/2016 3:00	1021	1021	1200	1200
5/27/2016 4:00	1021	1021	1200	1200
5/27/2016 5:00	1020	1021	1200	1200
5/27/2016 6:00	1020	1020	1200	1200
5/27/2016 7:00	1020	1020	1200	1200
5/27/2016 8:00	1020	1020	1200	1200
5/27/2016 9:00	1020	1020	1200	1200
5/27/2016 10:00	1020	1020	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
5/27/2016 11:00	1020	1020	1200	1200
5/27/2016 12:00	1020	1020	1200	1200
5/27/2016 13:00	1020	1020	1200	1200
5/27/2016 14:00	1020	1020	1200	1200
5/27/2016 15:00	1020	1020	1200	1200
5/27/2016 16:00	1020	1021	1200	1200
5/27/2016 17:00	1021	1022	1200	1200
5/27/2016 18:00	1022	1022	1200	1200
5/27/2016 19:00	1022	1024	1200	1200
5/27/2016 20:00	1024	1024	1200	1200
5/27/2016 21:00	1024	1024	1200	1200
5/27/2016 22:00	1023	1024	1200	1200
5/27/2016 23:00	1022	1023	1200	1200
5/28/2016 0:00	1021	1022	1200	1200
5/28/2016 1:00	1020	1021	1200	1200
5/28/2016 2:00	1020	1020	1200	1200
5/28/2016 3:00	1020	1020	1200	1200
5/28/2016 4:00	1020	1020	1200	1200
5/28/2016 5:00	1020	1021	1200	1200
5/28/2016 6:00	1020	1021	1200	1200
5/28/2016 7:00	1020	1020	1200	1200
5/28/2016 8:00	1020	1020	1200	1200
5/28/2016 9:00	1020	1020	1200	1200
5/28/2016 10:00	1019	1020	1200	1200
5/28/2016 11:00	1018	1019	1200	1200
5/28/2016 12:00	1017	1018	1200	1200
5/28/2016 13:00	1017	1017	1200	1200
5/28/2016 14:00	1017	1017	1200	1200
5/28/2016 15:00	1017	1017	1200	1200
5/28/2016 16:00	1017	1018	1200	1200
5/28/2016 17:00	1018	1018	1200	1200
5/28/2016 18:00	1018	1018	1200	1200
5/28/2016 19:00	1018	1018	1200	1200
5/28/2016 20:00	1018	1018	1200	1200
5/28/2016 21:00	1018	1018	1200	1200
5/28/2016 22:00	1018	1018	1200	1200
5/28/2016 23:00	1018	1018	1200	1200
5/29/2016 0:00	1018	1018	1200	1200
5/29/2016 1:00	1018	1018	1200	1200
5/29/2016 2:00	1017	1018	1200	1200
5/29/2016 3:00	1017	1017	1200	1200
5/29/2016 4:00	1017	1018	1200	1200
5/29/2016 5:00	1018	1018	1200	1200
5/29/2016 6:00	1018	1018	1200	1200
5/29/2016 7:00	1018	1019	1200	1200
5/29/2016 8:00	1019	1019	1200	1200
5/29/2016 9:00	1019	1019	1200	1200
5/29/2016 10:00	1019	1019	1200	1200
5/29/2016 11:00	1019	1019	1200	1200
5/29/2016 12:00	1019	1019	1200	1200
5/29/2016 13:00	1019	1019	1200	1200
5/29/2016 14:00	1019	1020	1200	1200
5/29/2016 15:00	1020	1020	1200	1200
5/29/2016 16:00	1020	1021	1200	1200
5/29/2016 17:00	1021	1021	1200	1200
5/29/2016 18:00	1021	1022	1200	1200
5/29/2016 19:00	1022	1023	1200	1200
5/29/2016 20:00	1022	1023	1200	1200
5/29/2016 21:00	1022	1022	1200	1200
5/29/2016 22:00	1021	1022	1200	1200
5/29/2016 23:00	1019	1021	1200	1200
5/30/2016 0:00	1019	1019	1200	1200
5/30/2016 1:00	1018	1019	1200	1200
5/30/2016 2:00	1018	1018	1200	1200
5/30/2016 3:00	1018	1018	1200	1200
5/30/2016 4:00	1018	1018	1200	1200
5/30/2016 5:00	1018	1018	1200	1200
5/30/2016 6:00	1018	1018	1200	1200
5/30/2016 7:00	1018	1018	1200	1200
5/30/2016 8:00	1018	1018	1200	1200
5/30/2016 9:00	1018	1018	1200	1200
5/30/2016 10:00	1018	1018	1200	1200
5/30/2016 11:00	1018	1018	1200	1200
5/30/2016 12:00	1018	1018	1200	1200
5/30/2016 13:00	1018	1018	1200	1200
5/30/2016 14:00	1018	1018	1200	1200
5/30/2016 15:00	1018	1018	1200	1200
5/30/2016 16:00	1018	1018	1200	1200
5/30/2016 17:00	1018	1018	1200	1200
5/30/2016 18:00	1018	1018	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
5/30/2016 19:00	1018	1018	1200	1200
5/30/2016 20:00	1018	1018	1200	1200
5/30/2016 21:00	1018	1019	1200	1200
5/30/2016 22:00	1019	1020	1200	1200
5/30/2016 23:00	1020	1020	1200	1200
5/31/2016 0:00	1020	1021	1200	1200
5/31/2016 1:00	1021	1021	1200	1200
5/31/2016 2:00	1021	1021	1200	1200
5/31/2016 3:00	1021	1021	1200	1200
5/31/2016 4:00	1021	1021	1200	1200
5/31/2016 5:00	1020	1021	1200	1200
5/31/2016 6:00	1020	1021	1200	1200
5/31/2016 7:00	1021	1021	1200	1200
5/31/2016 8:00	1021	1021	1200	1200
5/31/2016 9:00	1021	1021	1200	1200
5/31/2016 10:00	1021	1021	1200	1200
5/31/2016 11:00	1021	1021	1200	1200
5/31/2016 12:00	1021	1021	1200	1200
5/31/2016 13:00	1021	1021	1200	1200
5/31/2016 14:00	1021	1022	1200	1200
5/31/2016 15:00	1022	1022	1200	1200
5/31/2016 16:00	1022	1022	1200	1200
5/31/2016 17:00	1022	1022	1200	1200
5/31/2016 18:00	1022	1023	1200	1200
5/31/2016 19:00	1023	1024	1200	1200
5/31/2016 20:00	1024	1025	1200	1200
5/31/2016 21:00	1025	1026	1200	1200
5/31/2016 22:00	1026	1026	1200	1200
5/31/2016 23:00	1025	1026	1200	1200
	Min ()	Max ()	Min ()	Max ()
	1010	1044	1171	1200