



825 Rice Street  
Saint Paul, MN 55117

February 22, 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 January 2019 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 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
1/1/2019 0:00	1031	1032	1031	1032
1/1/2019 1:00	1030	1031	1030	1031
1/1/2019 2:00	1030	1031	1030	1031
1/1/2019 3:00	1031	1031	1031	1031
1/1/2019 4:00	1031	1031	1031	1031
1/1/2019 5:00	1031	1031	1031	1031
1/1/2019 6:00	1031	1031	1031	1031
1/1/2019 7:00	1031	1031	1031	1031
1/1/2019 8:00	1031	1032	1031	1032
1/1/2019 9:00	1032	1032	1032	1031
1/1/2019 10:00	1032	1032	1031	1032
1/1/2019 11:00	1032	1032	1031	1032
1/1/2019 12:00	1032	1032	1031	1032
1/1/2019 13:00	1032	1032	1031	1032
1/1/2019 14:00	1032	1032	1032	1032
1/1/2019 15:00	1031	1032	1032	1032
1/1/2019 16:00	1031	1031	1032	1032
1/1/2019 17:00	1031	1031	1032	1033
1/1/2019 18:00	1031	1032	1033	1033
1/1/2019 19:00	1032	1032	1033	1033
1/1/2019 20:00	1032	1032	1033	1034
1/1/2019 21:00	1032	1032	1034	1034
1/1/2019 22:00	1032	1032	1034	1034
1/1/2019 23:00	1032	1033	1033	1034
1/2/2019 0:00	1033	1033	1033	1033
1/2/2019 1:00	1033	1033	1033	1033
1/2/2019 2:00	1033	1034	1033	1033
1/2/2019 3:00	1034	1034	1033	1033
1/2/2019 4:00	1033	1034	1032	1033
1/2/2019 5:00	1033	1033	1032	1033
1/2/2019 6:00	1033	1033	1032	1032
1/2/2019 7:00	1033	1033	1032	1032
1/2/2019 8:00	1033	1033	1032	1032
1/2/2019 9:00	1033	1033	1032	1032
1/2/2019 10:00	1032	1033	1032	1032
1/2/2019 11:00	1032	1032	1032	1032
1/2/2019 12:00	1032	1032	1032	1032
1/2/2019 13:35	1032	1032	1032	1032
1/2/2019 14:38	1032	1032	1032	1032
1/2/2019 15:34	1032	1032	1032	1032
1/2/2019 16:00	1032	1032	1032	1032
1/2/2019 17:00	1032	1032	1032	1032
1/2/2019 18:00	1032	1032	1031	1032
1/2/2019 19:39	1032	1032	1031	1031
1/2/2019 20:35	1032	1032	1031	1031
1/2/2019 21:38	1031	1032	1031	1031
1/2/2019 22:34	1031	1031	1031	1031
1/2/2019 23:37	1031	1031	1031	1032
1/3/2019 0:40	1031	1031	1032	1032
1/3/2019 1:00	1031	1031	1032	1032
1/3/2019 2:00	1031	1031	1032	1032
1/3/2019 3:00	1031	1031	1032	1032
1/3/2019 4:00	1031	1032	1032	1032
1/3/2019 5:00	1032	1032	1031	1032
1/3/2019 6:37	1032	1032	1031	1032
1/3/2019 7:00	1032	1032	1031	1031
1/3/2019 8:36	1031	1032	1031	1031
1/3/2019 9:39	1031	1031	1031	1031
1/3/2019 10:35	1031	1031	1031	1031
1/3/2019 11:38	1031	1031	1031	1031
1/3/2019 12:34	1031	1031	1031	1031
1/3/2019 13:44	1031	1031	1030	1031
1/3/2019 14:40	1031	1031	1031	1031
1/3/2019 15:37	1030	1031	1031	1031
1/3/2019 16:39	1030	1030	1031	1032
1/3/2019 17:00	1030	1030	1031	1031
1/3/2019 18:00	1030	1031	1031	1031
1/3/2019 19:00	1031	1031	1030	1031
1/3/2019 20:00	1031	1031	1030	1031
1/3/2019 21:00	1031	1031	1029	1030
1/3/2019 22:37	1031	1031	1028	1029
1/3/2019 23:39	1030	1031	1027	1028

**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
1/4/2019 0:35	1030	1030	1027	1027
1/4/2019 1:38	1030	1030	1027	1027
1/4/2019 2:34	1029	1030	1027	1027
1/4/2019 3:44	1028	1029	1027	1027
1/4/2019 4:47	1027	1028	1027	1027
1/4/2019 5:36	1027	1027	1027	1027
1/4/2019 6:39	1027	1027	1027	1027
1/4/2019 7:35	1027	1027	1027	1027
1/4/2019 8:38	1027	1027	1027	1027
1/4/2019 9:34	1026	1027	1027	1027
1/4/2019 10:00	1026	1027	1027	1027
1/4/2019 11:00	1027	1027	1027	1027
1/4/2019 12:00	1027	1027	1027	1027
1/4/2019 13:00	1027	1027	1027	1027
1/4/2019 14:00	1027	1027	1027	1027
1/4/2019 15:00	1027	1027	1027	1027
1/4/2019 16:00	1027	1027	1027	1027
1/4/2019 17:37	1027	1027	1027	1027
1/4/2019 18:40	1027	1027	1027	1027
1/4/2019 19:37	1027	1027	1027	1027
1/4/2019 20:39	1027	1027	1027	1027
1/4/2019 21:35	1027	1027	1027	1027
1/4/2019 22:00	1027	1027	1027	1027
1/4/2019 23:34	1027	1027	1027	1027
1/5/2019 0:37	1027	1027	1027	1027
1/5/2019 1:40	1027	1027	1027	1027
1/5/2019 2:00	1027	1027	1027	1027
1/5/2019 3:00	1027	1027	1027	1027
1/5/2019 4:00	1027	1027	1027	1027
1/5/2019 5:38	1027	1027	1027	1027
1/5/2019 6:34	1027	1027	1027	1027
1/5/2019 7:37	1027	1027	1027	1027
1/5/2019 8:40	1027	1027	1027	1027
1/5/2019 9:00	1027	1027	1027	1027
1/5/2019 10:39	1027	1027	1027	1027
1/5/2019 11:35	1027	1027	1027	1027
1/5/2019 12:38	1027	1027	1027	1027
1/5/2019 13:35	1027	1027	1027	1027
1/5/2019 14:37	1027	1027	1027	1028
1/5/2019 15:40	1027	1027	1028	1028
1/5/2019 16:00	1027	1027	1028	1028
1/5/2019 17:00	1027	1027	1028	1028
1/5/2019 18:00	1027	1027	1028	1028
1/5/2019 19:00	1027	1027	1028	1028
1/5/2019 20:00	1027	1028	1028	1028
1/5/2019 21:00	1028	1028	1028	1028
1/5/2019 22:00	1028	1028	1028	1028
1/5/2019 23:00	1028	1028	1028	1028
1/6/2019 0:00	1028	1028	1028	1028
1/6/2019 1:35	1028	1028	1028	1028
1/6/2019 2:38	1028	1028	1028	1029
1/6/2019 3:34	1028	1028	1029	1030
1/6/2019 4:00	1028	1028	1029	1030
1/6/2019 5:00	1028	1028	1029	1029
1/6/2019 6:00	1028	1028	1029	1029
1/6/2019 7:00	1028	1028	1029	1029
1/6/2019 8:00	1028	1029	1028	1029
1/6/2019 9:00	1029	1029	1028	1028
1/6/2019 10:34	1029	1029	1028	1028
1/6/2019 11:37	1029	1029	1028	1028
1/6/2019 12:40	1029	1029	1028	1028
1/6/2019 13:36	1028	1029	1028	1028
1/6/2019 14:39	1028	1028	1028	1028
1/6/2019 15:35	1028	1028	1028	1028
1/6/2019 16:38	1028	1028	1028	1028
1/6/2019 17:34	1028	1028	1028	1028
1/6/2019 18:44	1028	1028	1028	1028
1/6/2019 19:00	1028	1028	1028	1029
1/6/2019 20:00	1028	1028	1029	1030
1/6/2019 21:00	1028	1028	1030	1030
1/6/2019 22:35	1028	1028	1030	1031
1/6/2019 23:00	1028	1028	1031	1032
1/7/2019 0:00	1028	1029	1032	1032
1/7/2019 1:00	1029	1029	1032	1032
1/7/2019 2:00	1029	1030	1031	1032
1/7/2019 3:00	1030	1030	1031	1031
1/7/2019 4:00	1030	1031	1031	1031
1/7/2019 5:00	1031	1032	1031	1031
1/7/2019 6:00	1032	1032	1031	1031
1/7/2019 7:34	1032	1032	1031	1031

**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
1/7/2019 8:37	1031	1032	800	1031
1/7/2019 9:40	1031	1031	1031	1031
1/7/2019 10:36	1031	1031	1031	1031
1/7/2019 11:39	1031	1031	1031	1031
1/7/2019 12:35	1031	1031	1031	1031
1/7/2019 13:00	1031	1031	1031	1031
1/7/2019 14:00	1031	1031	1031	1032
1/7/2019 15:37	1031	1031	1032	1032
1/7/2019 16:00	1031	1031	1032	1032
1/7/2019 17:00	1031	1031	1030	1032
1/7/2019 18:00	1031	1031	1028	1030
1/7/2019 19:00	1031	1031	1028	1028
1/7/2019 20:00	1031	1032	1028	1029
1/7/2019 21:00	1032	1032	1029	1029
1/7/2019 22:37	1031	1032	1029	1029
1/7/2019 23:40	1029	1031	1029	1030
1/8/2019 0:37	1028	1029	1029	1030
1/8/2019 1:00	1028	1028	1029	1029
1/8/2019 2:00	1028	1029	1029	1029
1/8/2019 3:00	1029	1029	1029	1029
1/8/2019 4:00	1029	1029	1029	1029
1/8/2019 5:00	1029	1029	1029	1029
1/8/2019 6:40	1029	1029	1029	1029
1/8/2019 7:38	1029	1029	1029	1029
1/8/2019 8:00	1029	1029	1029	1030
1/8/2019 9:35	1029	1029	1029	1030
1/8/2019 10:00	1029	1029	1029	1030
1/8/2019 11:00	1029	1029	1029	1029
1/8/2019 12:00	1029	1029	1029	1029
1/8/2019 13:40	1029	1029	1029	1030
1/8/2019 14:00	1029	1029	1029	1029
1/8/2019 15:39	1029	1029	1029	1029
1/8/2019 16:35	1029	1029	1029	1029
1/8/2019 17:38	1029	1029	1029	1029
1/8/2019 18:34	1029	1029	1029	1029
1/8/2019 19:00	1029	1029	1029	1029
1/8/2019 20:40	1029	1029	1029	1029
1/8/2019 21:37	1029	1029	1029	1029
1/8/2019 22:39	1029	1029	1029	1029
1/8/2019 23:35	1029	1029	1028	1029
1/9/2019 0:38	1029	1029	1028	1029
1/9/2019 1:34	1029	1029	1028	1029
1/9/2019 2:00	1029	1029	1028	1029
1/9/2019 3:40	1029	1029	1028	1029
1/9/2019 4:36	1029	1029	1029	1029
1/9/2019 5:39	1028	1029	1029	1029
1/9/2019 6:35	1028	1028	1029	1029
1/9/2019 7:38	1028	1028	1028	1029
1/9/2019 8:00	1028	1028	1028	1028
1/9/2019 9:00	1028	1028	1028	1028
1/9/2019 10:00	1028	1028	1028	1028
1/9/2019 11:00	1028	1028	1028	1028
1/9/2019 12:53	1028	1028	1028	1028
1/9/2019 13:35	1028	1028	800	1028
1/9/2019 14:38	1028	1028	800	1028
1/9/2019 15:34	1028	1028	1028	1028
1/9/2019 16:37	1028	1028	1028	1028
1/9/2019 17:00	1028	1028	1028	1028
1/9/2019 18:00	1028	1028	1028	1029
1/9/2019 19:00	1028	1028	1028	1029
1/9/2019 20:00	1028	1028	1028	1028
1/9/2019 21:38	1028	1028	1028	1028
1/9/2019 22:34	1028	1028	1028	1029
1/9/2019 23:00	1028	1028	1028	1029
1/10/2019 0:00	1028	1029	1028	1029
1/10/2019 1:37	1029	1029	1029	1029
1/10/2019 2:00	1029	1029	1029	1029
1/10/2019 3:00	1029	1029	1029	1029
1/10/2019 4:38	1029	1029	1029	1029
1/10/2019 5:34	1029	1029	1029	1029
1/10/2019 6:37	1028	1029	1028	1029
1/10/2019 7:00	1028	1028	1028	1028
1/10/2019 8:00	1028	1028	1028	1029
1/10/2019 9:00	1028	1028	1028	1029
1/10/2019 10:00	1028	1028	1028	1029
1/10/2019 11:00	1028	1028	1029	1029
1/10/2019 12:00	1028	1029	1028	1030
1/10/2019 13:00	1029	1029	1029	1030
1/10/2019 14:00	1029	1029	1029	1029
1/10/2019 15:00	1029	1029	1029	1029

**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
1/10/2019 16:00	1029	1029	1029	1029
1/10/2019 17:00	1029	1029	1029	1029
1/10/2019 18:38	1029	1029	1029	1029
1/10/2019 19:00	1029	1029	1029	1030
1/10/2019 20:51	1029	1029	1029	1030
1/10/2019 21:40	1029	1029	1029	1030
1/10/2019 22:00	1029	1029	1029	1030
1/10/2019 23:39	1029	1029	1029	1031
1/11/2019 0:00	1029	1029	1029	1031
1/11/2019 1:00	1029	1030	1030	1031
1/11/2019 2:00	1030	1030	1030	1032
1/11/2019 3:00	1030	1030	1030	1032
1/11/2019 4:00	1030	1030	1030	1032
1/11/2019 5:00	1030	1031	1031	1031
1/11/2019 6:00	1031	1031	1031	1032
1/11/2019 7:00	1031	1031	1031	1032
1/11/2019 8:00	1031	1031	1031	1031
1/11/2019 9:34	1031	1031	1031	1031
1/11/2019 10:37	1031	1031	1031	1031
1/11/2019 11:00	1031	1031	1031	1031
1/11/2019 12:00	1031	1031	1031	1031
1/11/2019 13:39	1031	1031	1031	1031
1/11/2019 14:35	1031	1031	1031	1031
1/11/2019 15:38	1031	1031	1031	1031
1/11/2019 16:34	1031	1031	1031	1031
1/11/2019 17:37	1031	1031	1031	1031
1/11/2019 18:40	1031	1031	1031	1031
1/11/2019 19:36	1031	1031	1031	1031
1/11/2019 20:39	1030	1031	1031	1032
1/11/2019 21:35	1030	1030	1032	1032
1/11/2019 22:38	1030	1030	1032	1033
1/11/2019 23:00	1030	1030	1032	1033
1/12/2019 0:00	1030	1030	1033	1033
1/12/2019 1:00	1030	1031	1032	1033
1/12/2019 2:00	1031	1031	1032	1032
1/12/2019 3:00	1031	1031	1032	1032
1/12/2019 4:00	1031	1032	1032	1032
1/12/2019 5:00	1032	1032	1032	1032
1/12/2019 6:00	1032	1032	1032	1032
1/12/2019 7:00	1032	1032	1032	1032
1/12/2019 8:40	1032	1032	1032	1032
1/12/2019 9:37	1032	1032	1032	1032
1/12/2019 10:39	1032	1032	1032	1032
1/12/2019 11:00	1032	1032	1032	1032
1/12/2019 12:38	1032	1032	1032	1032
1/12/2019 13:37	1031	1032	1032	1034
1/12/2019 14:37	1031	1031	1033	1034
1/12/2019 15:00	1031	1032	1034	1034
1/12/2019 16:00	1032	1032	1034	1034
1/12/2019 17:00	1032	1032	1033	1034
1/12/2019 18:00	1032	1032	1033	1033
1/12/2019 19:00	1032	1032	1033	1033
1/12/2019 20:00	1032	1033	1033	1033
1/12/2019 21:00	1033	1033	1033	1033
1/12/2019 22:00	1033	1033	1033	1033
1/12/2019 23:37	1033	1033	1033	1033
1/13/2019 0:39	1033	1033	1033	1033
1/13/2019 1:35	1033	1033	1033	1033
1/13/2019 2:38	1033	1033	1033	1033
1/13/2019 3:34	1033	1033	1033	1033
1/13/2019 4:00	1033	1033	1033	1033
1/13/2019 5:00	1033	1033	1032	1033
1/13/2019 6:00	1033	1033	1032	1033
1/13/2019 7:39	1033	1033	1032	1032
1/13/2019 8:00	1033	1033	1032	1032
1/13/2019 9:38	1033	1033	1032	1032
1/13/2019 10:34	1033	1033	1031	1032
1/13/2019 11:37	1032	1033	1031	1031
1/13/2019 12:40	1032	1032	1031	1031
1/13/2019 13:37	1032	1032	1031	1032
1/13/2019 14:39	1032	1032	1032	1032
1/13/2019 15:35	1032	1032	1032	1033
1/13/2019 16:38	1031	1032	1033	1033
1/13/2019 17:34	1031	1031	1033	1033
1/13/2019 18:37	1031	1031	1033	1033
1/13/2019 19:00	1031	1031	1033	1033
1/13/2019 20:00	1031	1031	1033	1033
1/13/2019 21:00	1031	1032	1033	1033
1/13/2019 22:00	1032	1032	1033	1033
1/13/2019 23:00	1032	1033	1033	1033

**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
1/14/2019 0:00	1033	1033	1033	1033
1/14/2019 1:00	1033	1033	1033	1033
1/14/2019 2:40	1033	1033	1033	1034
1/14/2019 3:00	1033	1033	1034	1034
1/14/2019 4:39	1033	1033	1034	1034
1/14/2019 5:00	1033	1033	1034	1034
1/14/2019 6:38	1033	1033	1034	1035
1/14/2019 7:34	1033	1033	1035	1035
1/14/2019 8:00	1033	1033	1035	1036
1/14/2019 9:00	1033	1033	1036	1037
1/14/2019 10:00	1033	1033	1037	1037
1/14/2019 11:00	1033	1033	1037	1037
1/14/2019 12:00	1033	1034	1037	1037
1/14/2019 13:00	1034	1034	1036	1037
1/14/2019 14:00	1034	1034	1036	1036
1/14/2019 15:00	1034	1035	1036	1036
1/14/2019 16:00	1035	1036	1036	1036
1/14/2019 17:00	1036	1037	1035	1036
1/14/2019 18:00	1037	1037	1035	1035
1/14/2019 19:49	1037	1037	1035	1035
1/14/2019 20:38	1036	1037	1035	1035
1/14/2019 21:34	1036	1036	1034	1035
1/14/2019 22:37	1035	1036	1034	1035
1/14/2019 23:00	1035	1035	1034	1034
1/15/2019 0:36	1035	1035	1033	1034
1/15/2019 1:39	1035	1035	1033	1033
1/15/2019 2:35	1034	1035	1033	1033
1/15/2019 3:38	1034	1034	1033	1033
1/15/2019 4:34	1034	1034	1032	1033
1/15/2019 5:37	1034	1034	1032	1033
1/15/2019 6:40	1034	1034	1033	1033
1/15/2019 7:36	1033	1034	1033	1034
1/15/2019 8:39	1033	1033	1034	1035
1/15/2019 9:35	1033	1033	1034	1035
1/15/2019 10:38	1033	1033	1033	1034
1/15/2019 11:41	1032	1033	1031	1033
1/15/2019 12:00	1032	1032	1032	1033
1/15/2019 13:00	1032	1033	1033	1033
1/15/2019 14:00	1033	1034	1033	1033
1/15/2019 15:00	1034	1034	1033	1033
1/15/2019 16:35	1034	1034	1033	1033
1/15/2019 17:38	1033	1034	1033	1034
1/15/2019 18:34	1032	1033	1033	1034
1/15/2019 19:00	1032	1032	1033	1034
1/15/2019 20:00	1032	1033	1033	1034
1/15/2019 21:36	1033	1033	1033	1034
1/15/2019 22:00	1033	1033	1033	1034
1/15/2019 23:00	1033	1033	1034	1034
1/16/2019 0:00	1033	1033	1034	1034
1/16/2019 1:00	1033	1033	1033	1034
1/16/2019 2:00	1033	1033	1032	1033
1/16/2019 3:00	1033	1033	1032	1033
1/16/2019 4:37	1033	1033	1033	1033
1/16/2019 5:00	1033	1033	1032	1033
1/16/2019 6:35	1033	1033	1032	1032
1/16/2019 7:00	1033	1033	1032	1033
1/16/2019 8:34	1033	1033	1033	1033
1/16/2019 9:37	1032	1033	1033	1033
1/16/2019 10:00	1032	1033	1031	1033
1/16/2019 11:00	1033	1033	1031	1032
1/16/2019 12:39	1032	1033	1032	1033
1/16/2019 13:00	1032	1032	1033	1033
1/16/2019 14:00	1032	1032	1032	1033
1/16/2019 15:00	1032	1033	1032	1033
1/16/2019 16:38	1032	1033	1033	1034
1/16/2019 17:40	1031	1032	1034	1034
1/16/2019 18:00	1031	1032	1034	1034
1/16/2019 19:00	1032	1033	1033	1034
1/16/2019 20:35	1032	1033	1033	1033
1/16/2019 21:45	1032	1032	1033	1033
1/16/2019 22:00	1032	1033	1033	1033
1/16/2019 23:00	1033	1033	1033	1034
1/17/2019 0:00	1033	1034	1033	1033
1/17/2019 1:37	1033	1034	1033	1033
1/17/2019 2:39	1033	1033	1033	1034
1/17/2019 3:35	1033	1033	1034	1034
1/17/2019 4:38	1033	1033	1034	1034
1/17/2019 5:00	1033	1033	1034	1034
1/17/2019 6:37	1033	1033	1034	1034
1/17/2019 7:40	1033	1033	1034	1035

**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
1/17/2019 8:00	1033	1033	1035	1035
1/17/2019 9:00	1033	1034	1034	1035
1/17/2019 10:35	1034	1034	1034	1034
1/17/2019 11:00	1034	1034	1034	1034
1/17/2019 12:00	1034	1034	1034	1034
1/17/2019 13:00	1034	1034	1033	1034
1/17/2019 14:40	1034	1034	1033	1033
1/17/2019 15:38	1034	1034	1031	1033
1/17/2019 16:39	1034	1034	1029	1031
1/17/2019 17:49	1034	1034	1028	1029
1/17/2019 18:45	1033	1034	1027	1028
1/17/2019 19:34	1033	1033	1025	1027
1/17/2019 20:37	1032	1033	1024	1025
1/17/2019 21:40	1029	1032	1023	1024
1/17/2019 22:36	1028	1029	1023	1023
1/17/2019 23:39	1028	1028	1023	1023
1/18/2019 0:35	1027	1028	1023	1023
1/18/2019 1:38	1024	1027	1023	1023
1/18/2019 2:34	1023	1024	1023	1023
1/18/2019 3:37	1023	1023	1022	1023
1/18/2019 4:40	1023	1023	1022	1022
1/18/2019 5:36	1023	1023	1022	1022
1/18/2019 6:00	1023	1023	1022	1022
1/18/2019 7:35	1023	1023	1022	1022
1/18/2019 8:38	1023	1023	1022	1022
1/18/2019 9:34	1022	1023	1022	1023
1/18/2019 10:37	1022	1022	1022	1023
1/18/2019 11:40	1022	1022	1023	1023
1/18/2019 12:00	1022	1022	1023	1023
1/18/2019 13:00	1022	1022	1023	1023
1/18/2019 14:00	1022	1022	1023	1023
1/18/2019 15:00	1022	1022	1023	1023
1/18/2019 16:00	1022	1022	1023	1023
1/18/2019 17:00	1022	1023	1023	1025
1/18/2019 18:00	1023	1023	1025	1027
1/18/2019 19:00	1023	1023	1027	1029
1/18/2019 20:00	1023	1023	1029	1030
1/18/2019 21:00	1023	1023	1030	1030
1/18/2019 22:00	1023	1023	1030	1030
1/18/2019 23:00	1023	1025	1030	1030
1/19/2019 0:00	1025	1028	1029	1030
1/19/2019 1:00	1028	1029	1029	1029
1/19/2019 2:00	1029	1030	1029	1029
1/19/2019 3:00	1030	1030	1029	1030
1/19/2019 4:35	1030	1030	1030	1030
1/19/2019 5:38	1029	1030	1030	1030
1/19/2019 6:34	1028	1029	1028	1032
1/19/2019 7:00	1028	1029	1032	1032
1/19/2019 8:00	1029	1029	1032	1032
1/19/2019 9:00	1029	1029	1032	1032
1/19/2019 10:00	1029	1030	1032	1032
1/19/2019 11:00	1030	1030	1032	1032
1/19/2019 12:38	1029	1030	1032	1032
1/19/2019 13:00	1029	1032	1031	1032
1/19/2019 14:37	1032	1032	1031	1031
1/19/2019 15:40	1032	1032	1030	1031
1/19/2019 16:37	1032	1032	1029	1030
1/19/2019 17:39	1032	1032	1030	1030
1/19/2019 18:35	1031	1032	1030	1030
1/19/2019 19:38	1031	1031	1029	1030
1/19/2019 20:34	1030	1031	1029	1030
1/19/2019 21:37	1029	1030	1029	1029
1/19/2019 22:00	1029	1029	1029	1029
1/19/2019 23:36	1029	1029	1029	1029
1/20/2019 0:39	1029	1029	1029	1029
1/20/2019 1:35	1029	1029	1029	1029
1/20/2019 2:38	1029	1029	1029	1029
1/20/2019 3:34	1029	1029	1029	1029
1/20/2019 4:37	1029	1029	1029	1029
1/20/2019 5:40	1029	1029	1029	1029
1/20/2019 6:00	1029	1029	1029	1029
1/20/2019 7:39	1029	1029	1029	1029
1/20/2019 8:42	1029	1029	1029	1029
1/20/2019 9:00	1029	1029	1029	1029
1/20/2019 10:00	1029	1029	1029	1030
1/20/2019 11:00	1029	1029	1029	1030
1/20/2019 12:00	1029	1029	1029	1030
1/20/2019 13:36	1029	1029	1029	1030
1/20/2019 14:00	1029	1029	1029	1030
1/20/2019 15:35	1029	1029	1029	1029

**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
1/20/2019 16:38	1029	1029	1029	1029
1/20/2019 17:00	1029	1029	1029	1029
1/20/2019 18:37	1029	1029	1029	1029
1/20/2019 19:40	1029	1029	1029	1029
1/20/2019 20:37	1029	1029	1029	1029
1/20/2019 21:39	1029	1029	1029	1029
1/20/2019 22:00	1029	1029	1029	1029
1/20/2019 23:00	1029	1029	1029	1029
1/21/2019 0:34	1029	1029	1029	1029
1/21/2019 1:00	1029	1029	1029	1029
1/21/2019 2:40	1029	1029	1029	1029
1/21/2019 3:37	1029	1029	1029	1029
1/21/2019 4:39	1029	1029	1029	1029
1/21/2019 5:00	1029	1029	1029	1029
1/21/2019 6:00	1029	1029	1029	1029
1/21/2019 7:00	1029	1029	1028	1029
1/21/2019 8:37	1029	1029	1028	1029
1/21/2019 9:40	1029	1029	1028	1029
1/21/2019 10:36	1029	1029	1029	1029
1/21/2019 11:39	1028	1029	1029	1029
1/21/2019 12:35	1028	1028	1029	1029
1/21/2019 13:38	1028	1028	1029	1029
1/21/2019 14:00	1028	1028	1029	1029
1/21/2019 15:00	1028	1029	1029	1029
1/21/2019 16:00	1029	1029	1029	1029
1/21/2019 17:00	1029	1029	1029	1029
1/21/2019 18:00	1029	1029	1029	1029
1/21/2019 19:00	1029	1029	1029	1029
1/21/2019 20:00	1029	1029	1029	1029
1/21/2019 21:00	1029	1029	1029	1029
1/21/2019 22:37	1029	1029	1029	1029
1/21/2019 23:00	1029	1029	1029	1029
1/22/2019 0:36	1029	1029	1029	1029
1/22/2019 1:39	1029	1029	1029	1029
1/22/2019 2:00	1029	1029	1029	1029
1/22/2019 3:38	1029	1029	1029	1029
1/22/2019 4:00	1029	1029	1029	1029
1/22/2019 5:37	1029	1029	1029	1029
1/22/2019 6:47	1029	1029	1029	1029
1/22/2019 7:00	1029	1029	1029	1029
1/22/2019 8:39	1029	1029	1029	1029
1/22/2019 9:35	1029	1029	1029	1029
1/22/2019 10:38	1029	1029	1029	1029
1/22/2019 11:43	1029	1029	1029	1029
1/22/2019 12:37	1029	1029	1029	1029
1/22/2019 13:00	1029	1029	1029	1029
1/22/2019 14:00	1029	1029	1029	1029
1/22/2019 15:00	1029	1029	1029	1029
1/22/2019 16:00	1029	1029	1029	1029
1/22/2019 17:00	1029	1029	1029	1029
1/22/2019 18:00	1029	1029	1029	1029
1/22/2019 19:37	1029	1029	1029	1029
1/22/2019 20:40	1029	1029	1028	1029
1/22/2019 21:37	1029	1029	1028	1029
1/22/2019 22:39	1029	1029	1028	1028
1/22/2019 23:35	1029	1029	1028	1028
1/23/2019 0:38	1029	1029	1028	1028
1/23/2019 1:42	1028	1029	1028	1028
1/23/2019 2:37	1028	1028	1028	1029
1/23/2019 3:40	1028	1028	1029	1029
1/23/2019 4:00	1028	1028	1029	1029
1/23/2019 5:00	1028	1028	1029	1029
1/23/2019 6:00	1028	1028	1029	1029
1/23/2019 7:00	1028	1028	1029	1029
1/23/2019 8:00	1028	1029	1029	1029
1/23/2019 9:00	1029	1029	1028	1029
1/23/2019 10:00	1029	1029	1028	1028
1/23/2019 11:38	1029	1029	1028	1028
1/23/2019 12:39	1029	1029	1028	1028
1/23/2019 13:38	1028	1029	1028	1028
1/23/2019 14:38	1028	1028	1028	1028
1/23/2019 15:34	1028	1028	1028	1028
1/23/2019 16:37	1028	1028	1028	1028
1/23/2019 17:00	1028	1028	1028	1028
1/23/2019 18:37	1028	1028	1028	1028
1/23/2019 19:00	1028	1028	1028	1028
1/23/2019 20:00	1028	1028	1028	1028
1/23/2019 21:00	1028	1028	1028	1028
1/23/2019 22:00	1028	1028	1028	1028
1/23/2019 23:37	1028	1028	1028	1030

**Xcel Energy**  
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
1/24/2019 0:54	1028	1028	1030	1033
1/24/2019 1:36	1028	1028	1033	1036
1/24/2019 2:39	1028	1028	1036	1039
1/24/2019 3:00	1028	1028	1039	1041
1/24/2019 4:00	1028	1030	1039	1040
1/24/2019 5:00	1030	1032	1036	1039
1/24/2019 6:00	1032	1036	1034	1036
1/24/2019 7:00	1036	1037	1032	1034
1/24/2019 8:00	1037	1040	1031	1032
1/24/2019 9:39	1040	1040	1031	1031
1/24/2019 10:42	1038	1040	1031	1031
1/24/2019 11:38	1035	1038	1031	1031
1/24/2019 12:34	1033	1035	1031	1032
1/24/2019 13:37	1031	1033	1032	1032
1/24/2019 14:40	1031	1031	1032	1032
1/24/2019 15:00	1031	1031	1031	1032
1/24/2019 16:00	1031	1031	1031	1031
1/24/2019 17:00	1031	1031	1030	1031
1/24/2019 18:00	1031	1032	1030	1030
1/24/2019 19:34	1031	1032	1029	1030
1/24/2019 20:37	1031	1031	1029	1029
1/24/2019 21:40	1030	1031	1028	1029
1/24/2019 22:36	1030	1030	1028	1028
1/24/2019 23:39	1029	1030	1028	1028
1/25/2019 0:35	1029	1029	1028	1029
1/25/2019 1:38	1028	1029	1029	1030
1/25/2019 2:34	1028	1028	1029	1030
1/25/2019 3:37	1028	1028	1029	1029
1/25/2019 4:00	1028	1028	1029	1029
1/25/2019 5:00	1028	1029	1029	1029
1/25/2019 6:39	1029	1029	1029	1029
1/25/2019 7:35	1029	1029	1028	1029
1/25/2019 8:38	1029	1029	1028	1028
1/25/2019 9:34	1029	1029	1028	1028
1/25/2019 10:37	1028	1029	1028	1028
1/25/2019 11:40	1028	1028	1028	1029
1/25/2019 12:00	1028	1028	1029	1029
1/25/2019 13:00	1028	1028	1029	1030
1/25/2019 14:35	1028	1028	1030	1030
1/25/2019 15:00	1028	1028	1030	1030
1/25/2019 16:00	1028	1029	1029	1030
1/25/2019 17:00	1029	1029	1029	1030
1/25/2019 18:00	1029	1029	1029	1029
1/25/2019 19:00	1029	1030	1029	1029
1/25/2019 20:39	1029	1030	1029	1029
1/25/2019 21:35	1029	1029	1028	1029
1/25/2019 22:38	1029	1029	1028	1028
1/25/2019 23:41	1029	1029	1028	1029
1/26/2019 0:37	1028	1029	1029	1029
1/26/2019 1:40	1028	1028	1029	1029
1/26/2019 2:37	1028	1028	1029	1029
1/26/2019 3:00	1028	1028	1029	1029
1/26/2019 4:00	1028	1029	1029	1029
1/26/2019 5:00	1029	1029	1029	1029
1/26/2019 6:00	1029	1029	1029	1029
1/26/2019 7:00	1029	1029	1029	1029
1/26/2019 8:40	1029	1029	1029	1029
1/26/2019 9:00	1029	1029	1029	1029
1/26/2019 10:00	1029	1029	1029	1029
1/26/2019 11:36	1029	1029	1029	1029
1/26/2019 12:00	1029	1029	1029	1029
1/26/2019 13:34	1029	1029	1029	1029
1/26/2019 14:00	1029	1029	1029	1029
1/26/2019 15:40	1029	1029	1029	1029
1/26/2019 16:00	1029	1029	1029	1029
1/26/2019 17:39	1029	1029	1028	1029
1/26/2019 18:00	1029	1029	1028	1028
1/26/2019 19:38	1029	1029	1027	1028
1/26/2019 20:34	1029	1029	1027	1027
1/26/2019 21:37	1029	1029	1027	1028
1/26/2019 22:40	1028	1029	1028	1028
1/26/2019 23:36	1028	1028	1028	1028
1/27/2019 0:39	1027	1028	1028	1028
1/27/2019 1:35	1027	1027	1028	1029
1/27/2019 2:38	1027	1027	1029	1029
1/27/2019 3:00	1027	1027	1029	1029
1/27/2019 4:00	1027	1028	1029	1029
1/27/2019 5:40	1028	1028	1029	1029
1/27/2019 6:00	1028	1028	1029	1029
1/27/2019 7:00	1028	1028	1028	1029

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
1/27/2019 8:00	1028	1029	1028	1028
1/27/2019 9:38	1029	1029	1028	1028
1/27/2019 10:00	1029	1029	1028	1028
1/27/2019 11:37	1029	1029	1028	1028
1/27/2019 12:40	1028	1029	1028	1028
1/27/2019 13:36	1028	1028	1028	1028
1/27/2019 14:39	1028	1028	1028	1028
1/27/2019 15:35	1028	1028	1028	1028
1/27/2019 16:38	1028	1028	1028	1028
1/27/2019 17:00	1028	1028	1028	1028
1/27/2019 18:00	1028	1028	1028	1028
1/27/2019 19:00	1028	1028	1028	1028
1/27/2019 20:00	1028	1028	1028	1028
1/27/2019 21:39	1028	1028	1027	1028
1/27/2019 22:00	1028	1028	1027	1027
1/27/2019 23:38	1028	1028	1027	1027
1/28/2019 0:34	1028	1028	1027	1027
1/28/2019 1:37	1028	1028	1027	1028
1/28/2019 2:40	1027	1028	1028	1028
1/28/2019 3:36	1027	1027	1028	1029
1/28/2019 4:00	1027	1027	1029	1029
1/28/2019 5:00	1027	1027	1029	1029
1/28/2019 6:00	1027	1027	1029	1029
1/28/2019 7:00	1027	1027	1029	1029
1/28/2019 8:00	1027	1028	1029	1029
1/28/2019 9:00	1028	1028	1029	1029
1/28/2019 10:00	1028	1028	1029	1029
1/28/2019 11:39	1028	1028	1028	1029
1/28/2019 12:00	1028	1029	1029	1029
1/28/2019 13:00	1029	1029	1029	1029
1/28/2019 14:34	1029	1029	1028	1029
1/28/2019 15:37	1028	1029	1028	1029
1/28/2019 16:40	1028	1028	1028	1028
1/28/2019 17:00	1028	1028	1028	1028
1/28/2019 18:00	1028	1028	1027	1028
1/28/2019 19:35	1028	1028	1027	1027
1/28/2019 20:00	1028	1028	1027	1027
1/28/2019 21:34	1028	1028	1027	1027
1/28/2019 22:37	1028	1028	1027	1027
1/28/2019 23:40	1028	1028	1027	1028
1/29/2019 0:36	1027	1028	1028	1028
1/29/2019 1:39	1027	1027	1028	1028
1/29/2019 2:35	1027	1027	1028	1029
1/29/2019 3:00	1027	1027	1028	1029
1/29/2019 4:00	1027	1027	1029	1029
1/29/2019 5:00	1027	1027	1029	1029
1/29/2019 6:00	1027	1028	1029	1029
1/29/2019 7:00	1028	1028	1029	1029
1/29/2019 8:00	1028	1028	1029	1029
1/29/2019 9:00	1028	1029	1029	1029
1/29/2019 10:00	1029	1029	1029	1029
1/29/2019 11:00	1029	1029	1029	1030
1/29/2019 12:00	1029	1029	1029	1030
1/29/2019 13:00	1029	1029	1030	1030
1/29/2019 14:00	1029	1029	1029	1030
1/29/2019 15:00	1029	1029	1030	1030
1/29/2019 16:00	1029	1029	1030	1030
1/29/2019 17:00	1029	1030	1029	1030
1/29/2019 18:00	1030	1030	1028	1029
1/29/2019 19:00	1030	1030	1028	1028
1/29/2019 20:40	1029	1030	1028	1029
1/29/2019 21:36	1029	1029	1029	1029
1/29/2019 22:39	1028	1029	1029	1029
1/29/2019 23:35	1028	1028	1029	1029
1/30/2019 0:00	1028	1028	1029	1030
1/30/2019 1:00	1028	1029	1030	1030
1/30/2019 2:00	1029	1029	1030	1030
1/30/2019 3:00	1029	1029	1030	1030
1/30/2019 4:00	1029	1029	1030	1030
1/30/2019 5:00	1029	1030	1030	1030
1/30/2019 6:00	1030	1030	1030	1030
1/30/2019 7:00	1030	1030	1030	1030
1/30/2019 8:34	1030	1030	1030	1030
1/30/2019 9:37	1030	1030	1030	1030
1/30/2019 10:40	1030	1030	1030	1030
1/30/2019 11:36	1029	1030	1029	1030
1/30/2019 12:39	1029	1029	1029	1029
1/30/2019 13:35	1029	1029	1027	1029
1/30/2019 14:38	1029	1029	1027	1027
1/30/2019 15:34	1029	1029	1025	1027

**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
1/30/2019 16:37	1028	1029	1025	1025
1/30/2019 17:41	1027	1028	1024	1025
1/30/2019 18:36	1026	1027	1024	1024
1/30/2019 19:39	1025	1026	1023	1024
1/30/2019 20:35	1025	1025	1023	1023
1/30/2019 21:38	1024	1025	1023	1023
1/30/2019 22:34	1024	1024	1023	1024
1/30/2019 23:37	1023	1024	1023	1024
1/31/2019 0:00	1023	1023	1023	1024
1/31/2019 1:00	1023	1023	1023	1024
1/31/2019 2:00	1023	1023	1023	1024
1/31/2019 3:35	1023	1023	1023	1024
1/31/2019 4:00	1023	1023	1023	1024
1/31/2019 5:34	1023	1023	1023	1024
1/31/2019 6:00	1023	1023	1023	1023
1/31/2019 7:40	1023	1023	1023	1023
1/31/2019 8:36	1023	1023	1023	1023
1/31/2019 9:39	1023	1023	1023	1023
1/31/2019 10:35	1023	1023	1023	1023
1/31/2019 11:38	1023	1023	1023	1023
1/31/2019 12:34	1023	1023	1023	1023
1/31/2019 13:37	1023	1023	1023	1023
1/31/2019 14:40	1023	1023	1023	1023
1/31/2019 15:36	1023	1023	1023	1023
1/31/2019 16:39	1023	1023	1022	1023
1/31/2019 17:35	1023	1023	1022	1022
1/31/2019 18:38	1022	1023	1022	1022
1/31/2019 19:34	1022	1022	1022	1022
1/31/2019 20:37	1022	1022	1022	1022
1/31/2019 21:40	1022	1022	1022	1022
1/31/2019 22:36	1022	1022	1022	1022
1/31/2019 23:39	1022	1022	1021	1022