



825 Rice Street  
Saint Paul, MN 55117

November 12, 2019

Steve Kahl, 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. Kahl:

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

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

Sincerely,

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
10/1/2019 0:00	1032	1032	1189	1190
10/1/2019 1:00	1031	1032	1190	1191
10/1/2019 2:00	1031	1031	1191	1191
10/1/2019 3:00	1031	1031	1191	1191
10/1/2019 4:00	1031	1031	1190	1191
10/1/2019 5:00	1031	1032	1190	1190
10/1/2019 6:00	1032	1032	1190	1190
10/1/2019 7:00	1032	1032	1190	1190
10/1/2019 8:00	1032	1033	1190	1190
10/1/2019 9:00	1032	1032	1190	1190
10/1/2019 10:00	1033	1033	1033	1033
10/1/2019 11:00	1033	1033	1033	1033
10/1/2019 12:00	1033	1033	1033	1033
10/1/2019 13:00	1033	1033	1033	1033
10/1/2019 14:00	1033	1035	1033	1035
10/1/2019 15:00	1035	1036	1035	1036
10/1/2019 16:00	1036	1036	1036	1036
10/1/2019 17:00	1033	1036	1033	1036
10/1/2019 18:00	1033	1033	1033	1033
10/1/2019 19:00	1033	1033	1033	1033
10/1/2019 20:00	1033	1034	1033	1034
10/1/2019 21:00	1034	1036	1034	1036
10/1/2019 22:00	1036	1036	1036	1036
10/1/2019 23:00	1035	1036	1035	1036
10/2/2019 0:00	1035	1035	1035	1035
10/2/2019 1:00	1035	1035	1035	1035
10/2/2019 2:00	1035	1035	1035	1035
10/2/2019 3:00	1035	1035	1035	1035
10/2/2019 4:00	1035	1035	1035	1035
10/2/2019 5:00	1035	1035	1035	1035
10/2/2019 6:00	1035	1035	1035	1035
10/2/2019 7:00	1033	1035	1033	1035
10/2/2019 8:00	1031	1033	1031	1033
10/2/2019 9:00	1030	1031	1030	1031
10/2/2019 10:00	1029	1030	1029	1030
10/2/2019 11:00	1029	1032	1029	1032
10/2/2019 12:00	1032	1034	1032	1034
10/2/2019 13:00	1034	1036	1034	1036
10/2/2019 14:00	1036	1036	1036	1036
10/2/2019 15:00	1036	1037	1036	1037
10/2/2019 16:00	1037	1037	1037	1037
10/2/2019 17:00	1036	1037	1036	1037
10/2/2019 18:00	1036	1036	1036	1036
10/2/2019 19:00	1034	1036	1034	1036
10/2/2019 20:00	1034	1034	1034	1034
10/2/2019 21:00	1034	1034	1034	1034
10/2/2019 22:00	1034	1034	1034	1034
10/2/2019 23:00	1034	1034	1034	1034
10/3/2019 0:00	1034	1034	1034	1034
10/3/2019 1:00	1033	1034	1033	1034
10/3/2019 2:00	1033	1034	1033	1034
10/3/2019 3:00	1034	1034	1034	1034
10/3/2019 4:00	1033	1034	1033	1034
10/3/2019 5:00	1033	1033	1033	1033
10/3/2019 6:00	1031	1033	1031	1033
10/3/2019 7:00	1030	1031	1030	1031
10/3/2019 8:00	1029	1030	1029	1030
10/3/2019 9:00	1029	1029	1029	1029
10/3/2019 10:00	1029	1030	1029	1030
10/3/2019 11:00	1030	1030	1030	1030
10/3/2019 12:00	1030	1032	1030	1032
10/3/2019 13:00	1032	1034	1032	1034
10/3/2019 14:00	1034	1035	1034	1035
10/3/2019 15:00	1035	1035	1035	1035
10/3/2019 16:00	1035	1035	1035	1035
10/3/2019 17:00	1035	1035	1035	1035
10/3/2019 18:00	1035	1035	1035	1035
10/3/2019 19:00	1034	1035	1034	1035
10/3/2019 20:00	1034	1034	1034	1034
10/3/2019 21:00	1034	1034	1034	1034
10/3/2019 22:00	1034	1034	1034	1034
10/3/2019 23:00	1034	1034	1034	1034

Xcel Energy  
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
10/4/2019 0:00	1034	1034	1034	1034
10/4/2019 1:00	1034	1034	1034	1034
10/4/2019 2:00	1034	1034	1034	1034
10/4/2019 3:00	1033	1034	1033	1034
10/4/2019 4:00	1031	1033	1031	1033
10/4/2019 5:00	1028	1031	1028	1031
10/4/2019 6:00	1026	1028	1026	1028
10/4/2019 7:00	1025	1026	1025	1026
10/4/2019 8:00	1025	1025	1025	1025
10/4/2019 9:00	1025	1026	1025	1026
10/4/2019 10:00	1026	1026	1026	1026
10/4/2019 11:00	1026	1026	1026	1026
10/4/2019 12:00	1026	1027	1026	1027
10/4/2019 13:00	1027	1027	1027	1027
10/4/2019 14:00	1027	1027	1027	1027
10/4/2019 15:00	1027	1027	1027	1027
10/4/2019 16:00	1027	1027	1027	1027
10/4/2019 17:00	1027	1028	1027	1028
10/4/2019 18:00	1028	1030	1028	1030
10/4/2019 19:00	1030	1031	1030	1031
10/4/2019 20:00	1031	1032	1031	1032
10/4/2019 21:00	1032	1033	1032	1033
10/4/2019 22:00	1033	1034	1033	1034
10/4/2019 23:00	1034	1034	1034	1034
10/5/2019 0:00	1034	1034	1034	1034
10/5/2019 1:00	1034	1034	1034	1034
10/5/2019 2:00	1034	1034	1034	1034
10/5/2019 3:00	1033	1034	1033	1034
10/5/2019 4:00	1033	1034	1033	1034
10/5/2019 5:00	1034	1034	1034	1034
10/5/2019 6:00	1034	1034	1034	1034
10/5/2019 7:00	1034	1034	1034	1034
10/5/2019 8:00	1033	1034	1033	1034
10/5/2019 9:00	1033	1033	1033	1033
10/5/2019 10:00	1033	1033	1033	1033
10/5/2019 11:00	1033	1034	1033	1034
10/5/2019 12:00	1034	1034	1034	1034
10/5/2019 13:00	1033	1034	1033	1034
10/5/2019 14:00	1033	1033	1033	1033
10/5/2019 15:00	1033	1033	1033	1033
10/5/2019 16:00	1033	1033	1033	1033
10/5/2019 17:00	1033	1033	1033	1033
10/5/2019 18:00	1033	1034	1033	1034
10/5/2019 19:00	1034	1034	1034	1034
10/5/2019 20:00	1034	1035	1034	1035
10/5/2019 21:00	1035	1036	1035	1036
10/5/2019 22:00	1036	1037	1036	1037
10/5/2019 23:00	1037	1037	1037	1037
10/6/2019 0:00	1037	1037	1037	1037
10/6/2019 1:00	1037	1037	1037	1037
10/6/2019 2:00	1037	1038	1037	1038
10/6/2019 3:00	1038	1038	1038	1038
10/6/2019 4:00	1038	1038	1038	1038
10/6/2019 5:00	1038	1038	1038	1038
10/6/2019 6:00	1038	1038	1038	1038
10/6/2019 7:00	1038	1038	1038	1038
10/6/2019 8:00	1038	1038	1038	1038
10/6/2019 9:00	1038	1038	1038	1038
10/6/2019 10:00	1037	1038	1037	1038
10/6/2019 11:00	1036	1037	1036	1037
10/6/2019 12:00	1035	1036	1035	1036
10/6/2019 13:00	1034	1035	1034	1035
10/6/2019 14:00	1034	1034	1034	1034
10/6/2019 15:00	1033	1034	1033	1034
10/6/2019 16:00	1033	1033	1033	1033
10/6/2019 17:00	1032	1033	1032	1033
10/6/2019 18:00	1032	1032	1032	1032
10/6/2019 19:00	1032	1032	1032	1032
10/6/2019 20:00	1031	1032	1031	1032
10/6/2019 21:00	1031	1032	1031	1032
10/6/2019 22:00	1032	1032	1032	1032
10/6/2019 23:00	1032	1032	1032	1032
10/7/2019 0:00	1032	1032	1032	1032
10/7/2019 1:00	1032	1032	1032	1032
10/7/2019 2:00	1032	1033	1032	1033
10/7/2019 3:00	1033	1033	1033	1033
10/7/2019 4:00	1033	1033	1033	1033
10/7/2019 5:00	1033	1033	1033	1033
10/7/2019 6:00	1033	1033	1033	1033
10/7/2019 7:00	1033	1033	1033	1033

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
10/7/2019 8:00	1033	1033	1033	1033
10/7/2019 9:00	1033	1033	1033	1033
10/7/2019 10:00	1032	1033	1032	1033
10/7/2019 11:00	1032	1033	1032	1033
10/7/2019 12:00	1033	1033	1033	1033
10/7/2019 13:00	1033	1033	1033	1033
10/7/2019 14:00	1032	1033	1032	1033
10/7/2019 15:00	1032	1032	1032	1032
10/7/2019 16:00	1032	1032	1032	1032
10/7/2019 17:00	1031	1032	1031	1032
10/7/2019 18:00	1031	1031	1031	1031
10/7/2019 19:00	1031	1031	1031	1031
10/7/2019 20:00	1031	1031	1031	1031
10/7/2019 21:00	1031	1031	1031	1031
10/7/2019 22:00	1031	1032	1031	1032
10/7/2019 23:00	1032	1033	1032	1033
10/8/2019 0:00	1033	1034	1033	1034
10/8/2019 1:00	1034	1035	1034	1035
10/8/2019 2:00	1035	1035	1035	1035
10/8/2019 3:00	1035	1036	1035	1036
10/8/2019 4:00	1036	1036	1036	1036
10/8/2019 5:00	1036	1036	1036	1036
10/8/2019 6:00	1036	1036	1036	1036
10/8/2019 7:00	1036	1036	1036	1036
10/8/2019 8:00	1036	1036	1036	1036
10/8/2019 9:00	1036	1036	1036	1036
10/8/2019 10:00	1036	1036	1036	1036
10/8/2019 11:00	1036	1036	1036	1036
10/8/2019 12:00	1036	1036	1036	1036
10/8/2019 13:00	1036	1036	1036	1036
10/8/2019 14:00	1036	1036	1036	1036
10/8/2019 15:00	1036	1036	1036	1036
10/8/2019 16:00	1036	1036	1036	1036
10/8/2019 17:00	1035	1036	1035	1036
10/8/2019 18:00	1035	1035	1035	1035
10/8/2019 19:00	1035	1035	1035	1035
10/8/2019 20:00	1035	1035	1035	1035
10/8/2019 21:00	1034	1035	1034	1035
10/8/2019 22:00	1034	1034	1034	1034
10/8/2019 23:00	1034	1034	1034	1034
10/9/2019 0:00	1034	1034	1034	1034
10/9/2019 1:00	1034	1034	1034	1034
10/9/2019 2:00	1033	1034	1033	1034
10/9/2019 3:00	1032	1033	1032	1033
10/9/2019 4:00	1031	1032	1031	1032
10/9/2019 5:00	1031	1031	1031	1031
10/9/2019 6:00	1031	1031	1031	1031
10/9/2019 7:00	1031	1031	1031	1031
10/9/2019 8:00	1031	1031	1031	1031
10/9/2019 9:00	1031	1031	1031	1031
10/9/2019 10:00	1031	1031	1031	1031
10/9/2019 11:00	1031	1031	1031	1031
10/9/2019 12:00	1030	1031	1030	1031
10/9/2019 13:00	1030	1030	1030	1030
10/9/2019 14:00	1030	1030	1030	1030
10/9/2019 15:00	1030	1030	1030	1030
10/9/2019 16:00	1030	1030	1030	1030
10/9/2019 17:00	1030	1030	1030	1030
10/9/2019 18:00	1030	1031	1030	1031
10/9/2019 19:00	1031	1031	1031	1031
10/9/2019 20:00	1031	1031	1031	1031
10/9/2019 21:00	1031	1031	1031	1031
10/9/2019 22:00	1031	1031	1031	1031
10/9/2019 23:00	1031	1031	1031	1031
10/10/2019 0:00	1031	1032	1031	1032
10/10/2019 1:00	1032	1032	1032	1032
10/10/2019 2:00	1032	1032	1032	1032
10/10/2019 3:00	1032	1033	1032	1033
10/10/2019 4:00	1033	1034	1033	1034
10/10/2019 5:00	1034	1036	1034	1036
10/10/2019 6:00	1036	1037	1036	1037
10/10/2019 7:00	1036	1037	1036	1037
10/10/2019 8:00	1036	1036	1036	1036
10/10/2019 9:00	1036	1036	1036	1036
10/10/2019 10:00	1036	1036	1036	1036
10/10/2019 11:00	1036	1036	1036	1036
10/10/2019 12:00	1036	1036	1036	1036
10/10/2019 13:00	1036	1036	1036	1036
10/10/2019 14:00	1036	1036	1036	1036
10/10/2019 15:00	1036	1036	1036	1036

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
10/10/2019 16:00	1036	1036	1036	1036
10/10/2019 17:00	1036	1036	1036	1036
10/10/2019 18:00	1035	1036	1035	1036
10/10/2019 19:00	1035	1035	1035	1035
10/10/2019 20:00	1035	1035	1035	1035
10/10/2019 21:00	1035	1035	1035	1035
10/10/2019 22:00	1035	1035	1035	1035
10/10/2019 23:00	1035	1035	1035	1035
10/11/2019 0:00	1035	1035	1035	1035
10/11/2019 1:00	1035	1035	1035	1035
10/11/2019 2:00	1035	1035	1035	1035
10/11/2019 3:00	1035	1035	1035	1035
10/11/2019 4:00	1035	1035	1035	1035
10/11/2019 5:00	1035	1035	1035	1035
10/11/2019 6:00	1035	1035	1035	1035
10/11/2019 7:00	1035	1036	1035	1036
10/11/2019 8:00	1036	1036	1036	1036
10/11/2019 9:00	1036	1036	1036	1036
10/11/2019 10:00	1036	1036	1036	1036
10/11/2019 11:00	1036	1036	1036	1036
10/11/2019 12:00	1036	1036	1036	1036
10/11/2019 13:00	1036	1036	1036	1036
10/11/2019 14:00	1036	1036	1036	1036
10/11/2019 15:00	1036	1046	1036	1046
10/11/2019 16:00	1039	1046	1039	1046
10/11/2019 17:00	1035	1039	1035	1039
10/11/2019 18:00	1029	1035	1029	1035
10/11/2019 19:00	1029	1029	1029	1029
10/11/2019 20:00	1028	1029	1028	1029
10/11/2019 21:00	1028	1028	1028	1028
10/11/2019 22:00	1028	1028	1028	1028
10/11/2019 23:00	1028	1028	1028	1028
10/12/2019 0:00	1028	1028	1028	1028
10/12/2019 1:00	1028	1028	1028	1028
10/12/2019 2:00	1028	1028	1028	1028
10/12/2019 3:00	1028	1028	1028	1028
10/12/2019 4:00	1028	1028	1028	1028
10/12/2019 5:00	1028	1029	1028	1029
10/12/2019 6:00	1029	1029	1029	1029
10/12/2019 7:00	1028	1029	1028	1029
10/12/2019 8:00	1028	1028	1028	1028
10/12/2019 9:00	1028	1028	1028	1028
10/12/2019 10:00	1028	1028	1028	1028
10/12/2019 11:00	1028	1029	1028	1029
10/12/2019 12:00	1029	1030	1029	1030
10/12/2019 13:00	1030	1030	1030	1030
10/12/2019 14:00	1030	1031	1030	1031
10/12/2019 15:00	1030	1031	1030	1031
10/12/2019 16:00	1029	1030	1029	1030
10/12/2019 17:00	1028	1029	1028	1029
10/12/2019 18:00	1026	1028	1026	1028
10/12/2019 19:00	1025	1026	1025	1026
10/12/2019 20:00	1025	1025	1025	1025
10/12/2019 21:00	1025	1026	1025	1026
10/12/2019 22:00	1026	1027	1026	1027
10/12/2019 23:00	1027	1027	1027	1027
10/13/2019 0:00	1026	1027	1026	1027
10/13/2019 1:00	1026	1026	1026	1026
10/13/2019 2:00	1026	1026	1026	1026
10/13/2019 3:00	1026	1027	1026	1027
10/13/2019 4:00	1027	1028	1027	1028
10/13/2019 5:00	1028	1028	1028	1028
10/13/2019 6:00	1028	1028	1028	1028
10/13/2019 7:00	1027	1028	1027	1028
10/13/2019 8:00	1027	1027	1027	1027
10/13/2019 9:00	1027	1027	1027	1027
10/13/2019 10:00	1027	1027	1027	1027
10/13/2019 11:00	1027	1027	1027	1027
10/13/2019 12:00	1026	1027	1026	1027
10/13/2019 13:00	1026	1026	1026	1026
10/13/2019 14:00	1026	1026	1026	1026
10/13/2019 15:00	1026	1026	1026	1026
10/13/2019 16:00	1026	1026	1026	1026
10/13/2019 17:00	1026	1026	1026	1026
10/13/2019 18:00	1026	1026	1026	1026
10/13/2019 19:00	1025	1026	1025	1026
10/13/2019 20:00	1025	1025	1025	1025
10/13/2019 21:00	1025	1025	1025	1025
10/13/2019 22:00	1025	1025	1025	1025
10/13/2019 23:00	1025	1025	1025	1025

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Date/Time	Viking Gas Transmission ( Fargo )		Williston Basin Interstate ( Mapleton )	
	Min BTU	Max BTU	Min BTU	Max BTU
10/14/2019 0:00	1025	1025	1025	1025
10/14/2019 1:00	1024	1025	1024	1025
10/14/2019 2:00	1024	1024	1024	1024
10/14/2019 3:00	1024	1024	1024	1024
10/14/2019 4:00	1024	1024	1024	1024
10/14/2019 5:00	1024	1025	1024	1025
10/14/2019 6:00	1025	1026	1025	1026
10/14/2019 7:00	1025	1026	1025	1026
10/14/2019 8:00	1025	1025	1025	1025
10/14/2019 9:00	1025	1025	1025	1025
10/14/2019 10:00	1025	1025	1025	1025
10/14/2019 11:00	1025	1025	1025	1025
10/14/2019 12:00	1025	1025	1025	1025
10/14/2019 13:00	1025	1025	1025	1025
10/14/2019 14:00	1025	1025	1025	1025
10/14/2019 15:00	1025	1025	1025	1025
10/14/2019 16:00	1025	1025	1025	1025
10/14/2019 17:00	1024	1025	1024	1025
10/14/2019 18:00	1024	1024	1024	1024
10/14/2019 19:00	1024	1024	1024	1024
10/14/2019 20:00	1024	1024	1024	1024
10/14/2019 21:00	1024	1024	1024	1024
10/14/2019 22:00	1024	1024	1024	1024
10/14/2019 23:00	1023	1024	1023	1024
10/15/2019 0:00	1023	1023	1023	1023
10/15/2019 1:00	1023	1023	1023	1023
10/15/2019 2:00	1023	1023	1023	1023
10/15/2019 3:00	1023	1023	1023	1023
10/15/2019 4:00	1023	1023	1023	1023
10/15/2019 5:00	1023	1023	1023	1023
10/15/2019 6:00	1023	1023	1023	1023
10/15/2019 7:00	1023	1024	1023	1024
10/15/2019 8:00	1024	1024	1024	1024
10/15/2019 9:00	1024	1024	1024	1024
10/15/2019 10:00	1024	1024	1024	1024
10/15/2019 11:00	1024	1024	1024	1024
10/15/2019 12:00	1024	1024	1024	1024
10/15/2019 13:00	1023	1024	1023	1024
10/15/2019 14:00	1023	1023	1023	1023
10/15/2019 15:00	1023	1024	1023	1024
10/15/2019 16:00	1024	1024	1024	1024
10/15/2019 17:00	1024	1024	1024	1024
10/15/2019 18:00	1024	1030	1024	1030
10/15/2019 19:00	1029	1030	1029	1030
10/15/2019 20:00	1029	1029	1029	1029
10/15/2019 21:00	1029	1030	1029	1030
10/15/2019 22:00	1030	1030	1030	1030
10/15/2019 23:00	1030	1030	1030	1030
10/16/2019 0:00	1030	1030	1030	1030
10/16/2019 1:00	1030	1030	1030	1030
10/16/2019 2:00	1030	1030	1030	1030
10/16/2019 3:00	1030	1030	1030	1030
10/16/2019 4:00	1030	1031	1030	1031
10/16/2019 5:00	1031	1031	1031	1031
10/16/2019 6:00	1031	1031	1031	1031
10/16/2019 7:00	1031	1031	1031	1031
10/16/2019 8:00	1031	1031	1031	1031
10/16/2019 9:00	1031	1031	1031	1031
10/16/2019 10:00	1031	1031	1031	1031
10/16/2019 11:00	1030	1031	1030	1031
10/16/2019 12:00	1030	1030	1030	1030
10/16/2019 13:00	1030	1030	1030	1030
10/16/2019 14:00	1030	1030	1030	1030
10/16/2019 15:00	1030	1030	1030	1030
10/16/2019 16:00	1030	1030	1030	1030
10/16/2019 17:00	1030	1030	1030	1030
10/16/2019 18:00	1030	1030	1030	1030
10/16/2019 19:00	1030	1030	1030	1030
10/16/2019 20:00	1030	1030	1030	1030
10/16/2019 21:00	1030	1031	1030	1031
10/16/2019 22:00	1030	1031	1030	1031
10/16/2019 23:00	1030	1030	1030	1030
10/17/2019 0:00	1030	1030	1030	1030
10/17/2019 1:00	1027	1030	1027	1030
10/17/2019 2:00	1027	1029	1027	1029
10/17/2019 3:00	1029	1029	1029	1029
10/17/2019 4:00	1029	1029	1029	1029
10/17/2019 5:00	1029	1030	1029	1030
10/17/2019 6:00	1030	1032	1030	1032
10/17/2019 7:00	1032	1033	1032	1033

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Date/Time	Viking Gas Transmission ( Fargo )		Williston Basin Interstate ( Mapleton )	
	Min BTU	Max BTU	Min BTU	Max BTU
10/17/2019 8:00	1033	1033	1033	1033
10/17/2019 9:00	1033	1033	1033	1033
10/17/2019 10:00	1033	1034	1033	1034
10/17/2019 11:00	1034	1034	1034	1034
10/17/2019 12:00	1033	1034	1033	1034
10/17/2019 13:00	0	1033	0	1033
10/17/2019 14:00	0	1029	0	1029
10/17/2019 15:00	1029	1029	1029	1029
10/17/2019 16:00	1028	1029	1028	1029
10/17/2019 17:00	1028	1028	1028	1028
10/17/2019 18:00	1028	1028	1028	1028
10/17/2019 19:00	1028	1028	1028	1028
10/17/2019 20:00	1028	1028	1028	1028
10/17/2019 21:00	1028	1028	1028	1028
10/17/2019 22:00	1028	1028	1028	1028
10/17/2019 23:00	1028	1028	1028	1028
10/18/2019 0:00	1028	1028	1028	1028
10/18/2019 1:00	1028	1028	1028	1028
10/18/2019 2:00	1028	1028	1028	1028
10/18/2019 3:00	1028	1028	1028	1028
10/18/2019 4:00	1028	1028	1028	1028
10/18/2019 5:00	1028	1028	1028	1028
10/18/2019 6:00	1028	1029	1028	1029
10/18/2019 7:00	1029	1029	1029	1029
10/18/2019 8:00	1029	1029	1029	1029
10/18/2019 9:00	1029	1029	1029	1029
10/18/2019 10:00	1029	1029	1029	1029
10/18/2019 11:00	1029	1029	1029	1029
10/18/2019 12:00	1029	1029	1029	1029
10/18/2019 13:00	1029	1029	1029	1029
10/18/2019 14:00	1029	1029	1029	1029
10/18/2019 15:00	1029	1029	1029	1029
10/18/2019 16:00	1029	1029	1029	1029
10/18/2019 17:00	1029	1029	1029	1029
10/18/2019 18:00	1029	1029	1029	1029
10/18/2019 19:00	1029	1029	1029	1029
10/18/2019 20:00	1029	1030	1029	1030
10/18/2019 21:00	1030	1030	1030	1030
10/18/2019 22:00	1030	1030	1030	1030
10/18/2019 23:00	1030	1030	1030	1030
10/19/2019 0:00	1030	1031	1030	1031
10/19/2019 1:00	1030	1031	1030	1031
10/19/2019 2:00	1028	1030	1028	1030
10/19/2019 3:00	1025	1028	1025	1028
10/19/2019 4:00	1022	1025	1022	1025
10/19/2019 5:00	1022	1023	1022	1023
10/19/2019 6:00	1023	1023	1023	1023
10/19/2019 7:00	1023	1023	1023	1023
10/19/2019 8:00	1023	1023	1023	1023
10/19/2019 9:00	1023	1023	1023	1023
10/19/2019 10:00	1023	1023	1023	1023
10/19/2019 11:00	1023	1023	1023	1023
10/19/2019 12:00	1023	1023	1023	1023
10/19/2019 13:00	1023	1024	1023	1024
10/19/2019 14:00	1024	1024	1024	1024
10/19/2019 15:00	1024	1025	1024	1025
10/19/2019 16:00	1025	1027	1025	1027
10/19/2019 17:00	1027	1032	1027	1032
10/19/2019 18:00	1032	1034	1032	1034
10/19/2019 19:00	1034	1035	1034	1035
10/19/2019 20:00	1035	1036	1035	1036
10/19/2019 21:00	1036	1037	1036	1037
10/19/2019 22:00	1037	1037	1037	1037
10/19/2019 23:00	1037	1041	1037	1041
10/20/2019 0:00	1041	1042	1041	1042
10/20/2019 1:00	1041	1042	1041	1042
10/20/2019 2:00	1040	1041	1040	1041
10/20/2019 3:00	1039	1040	1039	1040
10/20/2019 4:00	1038	1039	1038	1039
10/20/2019 5:00	1038	1038	1038	1038
10/20/2019 6:00	1038	1039	1038	1039
10/20/2019 7:00	1039	1040	1039	1040
10/20/2019 8:00	1040	1040	1040	1040
10/20/2019 9:00	1040	1040	1040	1040
10/20/2019 10:00	1038	1040	1038	1040
10/20/2019 11:00	1036	1038	1036	1038
10/20/2019 12:00	1035	1036	1035	1036
10/20/2019 13:00	1035	1035	1035	1035
10/20/2019 14:00	1035	1035	1035	1035
10/20/2019 15:00	1035	1035	1035	1035

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
10/20/2019 16:00	1035	1036	1035	1036
10/20/2019 17:00	1036	1038	1036	1038
10/20/2019 18:00	1038	1040	1038	1040
10/20/2019 19:00	1040	1041	1040	1041
10/20/2019 20:00	1041	1042	1041	1042
10/20/2019 21:00	1042	1042	1042	1042
10/20/2019 22:00	1042	1042	1042	1042
10/20/2019 23:00	1042	1042	1042	1042
10/21/2019 0:00	1042	1042	1042	1042
10/21/2019 1:00	1042	1042	1042	1042
10/21/2019 2:00	1042	1042	1042	1042
10/21/2019 3:00	1042	1042	1042	1042
10/21/2019 4:00	1042	1042	1042	1042
10/21/2019 5:00	1042	1042	1042	1042
10/21/2019 6:00	1042	1042	1042	1042
10/21/2019 7:00	1042	1042	1042	1042
10/21/2019 8:00	1042	1042	1042	1042
10/21/2019 9:00	1041	1042	1041	1042
10/21/2019 10:00	1041	1041	1041	1041
10/21/2019 11:00	1041	1041	1041	1041
10/21/2019 12:00	1038	1041	1038	1041
10/21/2019 13:00	1034	1038	1034	1038
10/21/2019 14:00	1034	1035	1034	1035
10/21/2019 15:00	1035	1039	1035	1039
10/21/2019 16:00	1039	1042	1039	1042
10/21/2019 17:00	1042	1043	1042	1043
10/21/2019 18:00	1043	1045	1043	1045
10/21/2019 19:00	1042	1045	1042	1045
10/21/2019 20:00	1042	1042	1042	1042
10/21/2019 21:00	1042	1042	1042	1042
10/21/2019 22:00	1042	1042	1042	1042
10/21/2019 23:00	1042	1042	1042	1042
10/22/2019 0:00	1042	1042	1042	1042
10/22/2019 1:00	1042	1042	1042	1042
10/22/2019 2:00	1041	1042	1041	1042
10/22/2019 3:00	1039	1041	1039	1041
10/22/2019 4:00	1036	1039	1036	1039
10/22/2019 5:00	1034	1036	1034	1036
10/22/2019 6:00	1034	1034	1034	1034
10/22/2019 7:00	1034	1034	1034	1034
10/22/2019 8:00	1034	1035	1034	1035
10/22/2019 9:00	1035	1036	1035	1036
10/22/2019 10:00	1036	1037	1036	1037
10/22/2019 11:00	1037	1038	1037	1038
10/22/2019 12:00	1038	1038	1038	1038
10/22/2019 13:00	1038	1038	1038	1038
10/22/2019 14:00	1038	1038	1038	1038
10/22/2019 15:00	1038	1039	1038	1039
10/22/2019 16:00	1039	1040	1039	1040
10/22/2019 17:00	1040	1040	1040	1040
10/22/2019 18:00	1039	1040	1039	1040
10/22/2019 19:00	1039	1040	1039	1040
10/22/2019 20:00	1040	1041	1040	1041
10/22/2019 21:00	1041	1041	1041	1041
10/22/2019 22:00	1039	1041	1039	1041
10/22/2019 23:00	1035	1039	1035	1039
10/23/2019 0:00	1033	1035	1033	1035
10/23/2019 1:00	1033	1033	1033	1033
10/23/2019 2:00	1032	1033	1032	1033
10/23/2019 3:00	1032	1033	1032	1033
10/23/2019 4:00	1033	1034	1033	1034
10/23/2019 5:00	1034	1034	1034	1034
10/23/2019 6:00	1034	1035	1034	1035
10/23/2019 7:00	1035	1036	1035	1036
10/23/2019 8:00	1036	1037	1036	1037
10/23/2019 9:00	1037	1038	1037	1038
10/23/2019 10:00	1038	1041	1038	1041
10/23/2019 11:00	1041	1041	1041	1041
10/23/2019 12:00	1039	1041	1039	1041
10/23/2019 13:00	1039	1039	1039	1039
10/23/2019 14:00	1039	1039	1039	1039
10/23/2019 15:00	1039	1039	1039	1039
10/23/2019 16:00	1039	1039	1039	1039
10/23/2019 17:00	1038	1039	1038	1039
10/23/2019 18:00	1038	1038	1038	1038
10/23/2019 19:00	1037	1038	1037	1038
10/23/2019 20:00	1035	1037	1035	1037
10/23/2019 21:00	1033	1035	1033	1035
10/23/2019 22:00	1031	1033	1031	1033
10/23/2019 23:00	1030	1031	1030	1031

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
10/24/2019 0:00	1030	1031	1030	1031
10/24/2019 1:00	1031	1032	1031	1032
10/24/2019 2:00	1032	1033	1032	1033
10/24/2019 3:00	1033	1035	1033	1035
10/24/2019 4:00	1035	1037	1035	1037
10/24/2019 5:00	1037	1038	1037	1038
10/24/2019 6:00	1038	1039	1038	1039
10/24/2019 7:00	1038	1039	1038	1039
10/24/2019 8:00	1038	1038	1038	1038
10/24/2019 9:00	1038	1038	1038	1038
10/24/2019 10:00	1038	1038	1038	1038
10/24/2019 11:00	1038	1038	1038	1038
10/24/2019 12:00	1038	1038	1038	1038
10/24/2019 13:00	1038	1038	1038	1038
10/24/2019 14:00	1038	1038	1038	1038
10/24/2019 15:00	1038	1038	1038	1038
10/24/2019 16:00	1038	1038	1038	1038
10/24/2019 17:00	1038	1038	1038	1038
10/24/2019 18:00	1038	1038	1038	1038
10/24/2019 19:00	1036	1038	1036	1038
10/24/2019 20:00	1035	1036	1035	1036
10/24/2019 21:00	1033	1035	1033	1035
10/24/2019 22:00	1031	1033	1031	1033
10/24/2019 23:00	1031	1031	1031	1031
10/25/2019 0:00	1031	1031	1031	1031
10/25/2019 1:00	1031	1032	1031	1032
10/25/2019 2:00	1032	1035	1032	1035
10/25/2019 3:00	1035	1037	1035	1037
10/25/2019 4:00	1037	1038	1037	1038
10/25/2019 5:00	1038	1038	1038	1038
10/25/2019 6:00	1038	1038	1038	1038
10/25/2019 7:00	1037	1038	1037	1038
10/25/2019 8:00	1037	1037	1037	1037
10/25/2019 9:00	1037	1037	1037	1037
10/25/2019 10:00	1037	1037	1037	1037
10/25/2019 11:00	1037	1037	1037	1037
10/25/2019 12:00	1037	1037	1037	1037
10/25/2019 13:00	1037	1037	1037	1037
10/25/2019 14:00	1037	1037	1037	1037
10/25/2019 15:00	1037	1038	1037	1038
10/25/2019 16:00	1037	1038	1037	1038
10/25/2019 17:00	1036	1037	1036	1037
10/25/2019 18:00	1035	1036	1035	1036
10/25/2019 19:00	1033	1035	1033	1035
10/25/2019 20:00	1029	1033	1029	1033
10/25/2019 21:00	1029	1030	1029	1030
10/25/2019 22:00	1030	1032	1030	1032
10/25/2019 23:00	1032	1033	1032	1033
10/26/2019 0:00	1033	1034	1033	1034
10/26/2019 1:00	1034	1035	1034	1035
10/26/2019 2:00	1035	1035	1035	1035
10/26/2019 3:00	1035	1035	1035	1035
10/26/2019 4:00	1035	1037	1035	1037
10/26/2019 5:00	1037	1038	1037	1038
10/26/2019 6:00	1037	1038	1037	1038
10/26/2019 7:00	1037	1038	1037	1038
10/26/2019 8:00	1038	1039	1038	1039
10/26/2019 9:00	1039	1039	1039	1039
10/26/2019 10:00	1039	1039	1039	1039
10/26/2019 11:00	1039	1040	1039	1040
10/26/2019 12:00	1040	1040	1040	1040
10/26/2019 13:00	1040	1040	1040	1040
10/26/2019 14:00	1040	1040	1040	1040
10/26/2019 15:00	1039	1040	1039	1040
10/26/2019 16:00	1039	1039	1039	1039
10/26/2019 17:00	1039	1039	1039	1039
10/26/2019 18:00	1038	1039	1038	1039
10/26/2019 19:00	1038	1038	1038	1038
10/26/2019 20:00	1038	1038	1038	1038
10/26/2019 21:00	1038	1038	1038	1038
10/26/2019 22:00	1038	1038	1038	1038
10/26/2019 23:00	1038	1039	1038	1039
10/27/2019 0:00	1039	1039	1039	1039
10/27/2019 1:00	1039	1039	1039	1039
10/27/2019 2:00	1039	1040	1039	1040
10/27/2019 3:00	1038	1040	1038	1040
10/27/2019 4:00	1037	1038	1037	1038
10/27/2019 5:00	1035	1037	1035	1037
10/27/2019 6:00	1034	1035	1034	1035
10/27/2019 7:00	1034	1034	1034	1034

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Date/Time	Viking Gas Transmission ( Fargo )		Williston Basin Interstate ( Mapleton )	
	Min BTU	Max BTU	Min BTU	Max BTU
10/27/2019 8:00	1034	1035	1034	1035
10/27/2019 9:00	1035	1036	1035	1036
10/27/2019 10:00	1036	1039	1036	1039
10/27/2019 11:00	1039	1039	1039	1039
10/27/2019 12:00	1039	1039	1039	1039
10/27/2019 13:00	1039	1039	1039	1039
10/27/2019 14:00	1039	1039	1039	1039
10/27/2019 15:00	1039	1039	1039	1039
10/27/2019 16:00	1039	1039	1039	1039
10/27/2019 17:00	1039	1039	1039	1039
10/27/2019 18:00	1039	1039	1039	1039
10/27/2019 19:00	1039	1039	1039	1039
10/27/2019 20:00	1039	1039	1039	1039
10/27/2019 21:00	1039	1039	1039	1039
10/27/2019 22:00	1039	1039	1039	1039
10/27/2019 23:00	1039	1039	1039	1039
10/28/2019 0:00	1039	1039	1039	1039
10/28/2019 1:00	1039	1039	1039	1039
10/28/2019 2:00	1039	1039	1039	1039
10/28/2019 3:00	1039	1040	1039	1040
10/28/2019 4:00	1039	1040	1039	1040
10/28/2019 5:00	1039	1039	1039	1039
10/28/2019 6:00	1039	1039	1039	1039
10/28/2019 7:00	1039	1039	1039	1039
10/28/2019 8:00	1039	1040	1039	1040
10/28/2019 9:00	1040	1040	1040	1040
10/28/2019 10:00	1040	1040	1040	1040
10/28/2019 11:00	1040	1040	1040	1040
10/28/2019 12:00	1039	1040	1039	1040
10/28/2019 13:00	1039	1039	1039	1039
10/28/2019 14:00	1036	1039	1036	1039
10/28/2019 15:00	1034	1036	1034	1036
10/28/2019 16:00	1031	1034	1031	1034
10/28/2019 17:00	1030	1031	1030	1031
10/28/2019 18:00	1030	1032	1030	1032
10/28/2019 19:00	1032	1035	1032	1035
10/28/2019 20:00	1035	1036	1035	1036
10/28/2019 21:00	1036	1036	1036	1036
10/28/2019 22:00	1036	1036	1036	1036
10/28/2019 23:00	1036	1036	1036	1036
10/29/2019 0:00	1036	1036	1036	1036
10/29/2019 1:00	1036	1036	1036	1036
10/29/2019 2:00	1036	1036	1036	1036
10/29/2019 3:00	1036	1036	1036	1036
10/29/2019 4:00	1036	1036	1036	1036
10/29/2019 5:00	1035	1036	1035	1036
10/29/2019 6:00	1035	1035	1035	1035
10/29/2019 7:00	1034	1035	1034	1035
10/29/2019 8:00	1032	1034	1032	1034
10/29/2019 9:00	1031	1032	1031	1032
10/29/2019 10:00	1029	1031	1029	1031
10/29/2019 11:00	1028	1029	1028	1029
10/29/2019 12:00	1028	1028	1028	1028
10/29/2019 13:00	1028	1028	1028	1028
10/29/2019 14:00	1028	1029	1028	1029
10/29/2019 15:00	1029	1030	1029	1030
10/29/2019 16:00	1030	1031	1030	1031
10/29/2019 17:00	1031	1032	1031	1032
10/29/2019 18:00	1032	1032	1032	1032
10/29/2019 19:00	1032	1033	1032	1033
10/29/2019 20:00	1033	1034	1033	1034
10/29/2019 21:00	1034	1035	1034	1035
10/29/2019 22:00	1035	1035	1035	1035
10/29/2019 23:00	1035	1035	1035	1035
10/30/2019 0:00	1035	1035	1035	1035
10/30/2019 1:00	1035	1035	1035	1035
10/30/2019 2:00	1035	1035	1035	1035
10/30/2019 3:00	1034	1035	1034	1035
10/30/2019 4:00	1033	1034	1033	1034
10/30/2019 5:00	1031	1033	1031	1033
10/30/2019 6:00	1029	1031	1029	1031
10/30/2019 7:00	1028	1029	1028	1029
10/30/2019 8:00	1028	1028	1028	1028
10/30/2019 9:00	1027	1028	1027	1028
10/30/2019 10:00	1027	1028	1027	1028
10/30/2019 11:00	1028	1031	1028	1031
10/30/2019 12:00	1031	1032	1031	1032
10/30/2019 13:00	1032	1033	1032	1033
10/30/2019 14:00	1033	1033	1033	1033
10/30/2019 15:00	1033	1033	1033	1033

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
10/30/2019 16:00	1033	1033	1033	1033
10/30/2019 17:00	1033	1033	1033	1033
10/30/2019 18:00	1033	1033	1033	1033
10/30/2019 19:00	1033	1033	1033	1033
10/30/2019 20:00	1033	1033	1033	1033
10/30/2019 21:00	1033	1033	1033	1033
10/30/2019 22:00	1031	1033	1031	1033
10/30/2019 23:00	1029	1031	1029	1031
10/31/2019 0:00	1028	1029	1028	1029
10/31/2019 1:00	1028	1028	1028	1028
10/31/2019 2:00	1028	1028	1028	1028
10/31/2019 3:00	1028	1028	1028	1028
10/31/2019 4:00	1028	1029	1028	1029
10/31/2019 5:00	1029	1031	1029	1031
10/31/2019 6:00	1031	1033	1031	1033
10/31/2019 7:00	1033	1033	1033	1033
10/31/2019 8:00	1033	1033	1033	1033
10/31/2019 9:00	1033	1033	1033	1033
10/31/2019 10:00	1033	1033	1033	1033
10/31/2019 11:00	1033	1033	1033	1033
10/31/2019 12:00	1033	1034	1033	1034
10/31/2019 13:00	1034	1034	1034	1034
10/31/2019 14:00	1034	1034	1034	1034
10/31/2019 15:00	1034	1034	1034	1034
10/31/2019 16:00	1034	1034	1034	1034
10/31/2019 17:00	1034	1034	1034	1034
10/31/2019 18:00	1033	1034	1033	1034
10/31/2019 19:00	1031	1033	1031	1033
10/31/2019 20:00	1029	1031	1029	1031
10/31/2019 21:00	1028	1029	1028	1029
10/31/2019 22:00	1028	1028	1028	1028
10/31/2019 23:00	1028	1029	1028	1029