



825 Rice Street
Saint Paul, MN 55117

June 10, 2020

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 May 2020 as required by N.D. PU-20-89.

If you need further information or clarification regarding the enclosed response, please contact Lisa Kallberg 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
5/1/2020 0:00	1037	1037	1031	1032
5/1/2020 1:00	1037	1037	1032	1034
5/1/2020 2:00	1037	1037	1034	1035
5/1/2020 3:00	1037	1037	1035	1035
5/1/2020 4:00	1037	1037	1035	1035
5/1/2020 5:00	1037	1037	1035	1035
5/1/2020 6:00	1036	1037	1034	1035
5/1/2020 7:00	1034	1036	1035	1035
5/1/2020 8:00	1033	1034	1035	1035
5/1/2020 9:00	1032	1033	1034	1035
5/1/2020 10:00	1031	1032	1034	1034
5/1/2020 11:00	1031	1031	1034	1034
5/1/2020 12:00	1031	1031	1034	1034
5/1/2020 13:00	1030	1031	1033	1034
5/1/2020 14:00	1030	1030	1032	1033
5/1/2020 15:00	1030	1030	1032	1032
5/1/2020 16:00	1030	1031	1032	1032
5/1/2020 17:00	1031	1033	1032	1032
5/1/2020 18:00	1033	1034	1031	1032
5/1/2020 19:00	1034	1034	1031	1031
5/1/2020 20:00	1034	1034	1031	1031
5/1/2020 21:00	1034	1034	1031	1031
5/1/2020 22:00	1034	1034	1031	1032
5/1/2020 23:00	1034	1034	1031	1032
5/2/2020 0:00	1034	1034	1032	1034
5/2/2020 1:00	1034	1034	1033	1035
5/2/2020 2:00	1034	1034	1035	1036
5/2/2020 3:00	1033	1034	1036	1037
5/2/2020 4:00	1033	1033	1037	1037
5/2/2020 5:00	1032	1033	1037	1037
5/2/2020 6:00	1032	1032	1037	1037
5/2/2020 7:00	1032	1032	1037	1037
5/2/2020 8:00	1031	1032	1036	1037
5/2/2020 9:00	1031	1031	1036	1036
5/2/2020 10:00	1031	1031	1036	1036
5/2/2020 11:00	1031	1031	1035	1036
5/2/2020 12:00	1031	1031	1035	1036
5/2/2020 13:00	1031	1031	1035	1035
5/2/2020 14:00	1031	1031	1035	1035
5/2/2020 15:00	1031	1031	1035	1035
5/2/2020 16:00	1031	1031	1034	1035
5/2/2020 17:00	1031	1032	1034	1037
5/2/2020 18:00	1032	1033	1037	1044
5/2/2020 19:00	1033	1034	1044	1045
5/2/2020 20:00	1034	1035	1044	1045
5/2/2020 21:00	1035	1036	1044	1044
5/2/2020 22:00	1036	1036	1044	1044
5/2/2020 23:00	1036	1036	1044	1044
5/3/2020 0:00	1036	1036	1042	1044
5/3/2020 1:00	1036	1036	1033	1042
5/3/2020 2:00	1036	1036	1030	1033
5/3/2020 3:00	1035	1036	1030	1032
5/3/2020 4:00	1035	1035	1032	1034
5/3/2020 5:00	1035	1035	1033	1035
5/3/2020 6:00	1035	1035	1035	1036
5/3/2020 7:00	1035	1035	1036	1036
5/3/2020 8:00	1034	1035	1036	1036
5/3/2020 9:00	1034	1034	1036	1036
5/3/2020 10:00	1034	1034	1036	1036
5/3/2020 11:00	1034	1034	1036	1036
5/3/2020 12:00	1034	1034	1036	1036
5/3/2020 13:00	1034	1034	1036	1036
5/3/2020 14:00	1034	1037	1036	1037
5/3/2020 15:00	1037	1041	1036	1037
5/3/2020 16:00	1041	1042	1036	1036
5/3/2020 17:00	1042	1042	1036	1036
5/3/2020 18:00	1042	1042	1036	1036
5/3/2020 19:00	1042	1042	1036	1036
5/3/2020 20:00	1042	1042	1036	1036
5/3/2020 21:00	1042	1042	1036	1036
5/3/2020 22:00	1038	1042	1035	1036
5/3/2020 23:00	1031	1038	1034	1035

Xcel Energy
Natural Gas Utility - State of North Dakota
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/4/2020 0:00	1031	1031	1033	1034
5/4/2020 1:00	1031	1033	1032	1033
5/4/2020 2:00	1033	1034	1031	1032
5/4/2020 3:00	1034	1035	1031	1031
5/4/2020 4:00	1035	1036	1031	1031
5/4/2020 5:00	1035	1036	1031	1031
5/4/2020 6:00	1035	1035	1031	1031
5/4/2020 7:00	1035	1035	1031	1032
5/4/2020 8:00	1035	1036	1032	1033
5/4/2020 9:00	1036	1036	1033	1035
5/4/2020 10:00	1035	1036	1035	1037
5/4/2020 11:00	1035	1035	1037	1038
5/4/2020 12:00	1035	1035	1038	1039
5/4/2020 13:00	1035	1035	1039	1040
5/4/2020 14:00	1035	1035	1040	1044
5/4/2020 15:00	1035	1035	1044	1047
5/4/2020 16:00	1035	1035	1047	1048
5/4/2020 17:00	1034	1035	1047	1048
5/4/2020 18:00	1033	1034	1047	1047
5/4/2020 19:00	1032	1033	1046	1047
5/4/2020 20:00	1031	1032	1045	1046
5/4/2020 21:00	1030	1031	1045	1045
5/4/2020 22:00	1030	1030	1044	1045
5/4/2020 23:00	1030	1031	1044	1044
5/5/2020 0:00	1031	1031	1044	1044
5/5/2020 1:00	1031	1032	1043	1044
5/5/2020 2:00	1032	1033	1043	1043
5/5/2020 3:00	1033	1035	1042	1043
5/5/2020 4:00	1035	1037	1042	1042
5/5/2020 5:00	1037	1037	1042	1042
5/5/2020 6:00	1037	1038	1042	1042
5/5/2020 7:00	1038	1039	1042	1042
5/5/2020 8:00	1039	1042	1042	1044
5/5/2020 9:00	1042	1044	1044	1047
5/5/2020 10:00	1044	1044	1047	1048
5/5/2020 11:00	1044	1044	1048	1048
5/5/2020 12:00	1044	1044	1048	1048
5/5/2020 13:00	1044	1044	1048	1048
5/5/2020 14:00	1044	1044	1048	1048
5/5/2020 15:00	1043	1044	1048	1048
5/5/2020 16:00	1043	1043	1048	1048
5/5/2020 17:00	1043	1043	1048	1048
5/5/2020 18:00	1042	1043	1048	1048
5/5/2020 19:00	1042	1042	1048	1048
5/5/2020 20:00	1041	1042	1048	1048
5/5/2020 21:00	1041	1041	1048	1048
5/5/2020 22:00	1041	1041	1048	1048
5/5/2020 23:00	1041	1041	1048	1048
5/6/2020 0:00	1041	1044	1048	1048
5/6/2020 1:00	1044	1046	1048	1048
5/6/2020 2:00	1046	1046	1048	1048
5/6/2020 3:00	1046	1046	1048	1048
5/6/2020 4:00	1046	1046	1048	1048
5/6/2020 5:00	1041	1046	1048	1048
5/6/2020 6:00	1038	1041	1047	1048
5/6/2020 7:00	1037	1038	1047	1047
5/6/2020 8:00	1035	1037	1047	1047
5/6/2020 9:00	1035	1035	1047	1047
5/6/2020 10:00	1031	1035	1047	1047
5/6/2020 11:00	1030	1031	1047	1047
5/6/2020 12:00	1030	1030	1047	1047
5/6/2020 13:00	1030	1031	1046	1047
5/6/2020 14:00	1031	1031	1047	1047
5/6/2020 15:00	1030	1031	1047	1047
5/6/2020 16:00	1030	1030	1047	1047
5/6/2020 17:00	1030	1030	1047	1047
5/6/2020 18:00	1030	1031	1047	1047
5/6/2020 19:00	1031	1031	1047	1047
5/6/2020 20:00	1031	1031	1047	1047
5/6/2020 21:00	1031	1033	1047	1047
5/6/2020 22:00	1033	1037	1047	1047
5/6/2020 23:00	1037	1039	1047	1047
5/7/2020 0:00	1039	1039	1047	1047
5/7/2020 1:00	1039	1039	1047	1047
5/7/2020 2:00	1038	1039	1046	1047
5/7/2020 3:00	1037	1038	1046	1046
5/7/2020 4:00	1035	1037	1046	1046
5/7/2020 5:00	1033	1035	1046	1046
5/7/2020 6:00	1030	1033	1046	1046
5/7/2020 7:00	1029	1030	1045	1046

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/7/2020 8:00	1029	1029	1045	1045
5/7/2020 9:00	1028	1029	1044	1045
5/7/2020 10:00	1028	1028	1044	1045
5/7/2020 11:00	1028	1028	1045	1045
5/7/2020 12:00	1028	1028	1045	1045
5/7/2020 13:00	1028	1028	1045	1045
5/7/2020 14:00	1028	1029	1045	1045
5/7/2020 15:00	1029	1029	1045	1045
5/7/2020 16:00	1029	1029	1045	1045
5/7/2020 17:00	1029	1029	1045	1045
5/7/2020 18:00	1029	1029	1045	1045
5/7/2020 19:00	1029	1029	1044	1045
5/7/2020 20:00	1029	1030	1044	1045
5/7/2020 21:00	1030	1034	1044	1045
5/7/2020 22:00	1034	1036	1044	1045
5/7/2020 23:00	1036	1036	1044	1045
5/8/2020 0:00	1036	1036	1044	1044
5/8/2020 1:00	1036	1036	1044	1044
5/8/2020 2:00	1035	1036	1044	1044
5/8/2020 3:00	1033	1035	1044	1044
5/8/2020 4:00	1030	1033	1044	1044
5/8/2020 5:00	1028	1030	1044	1044
5/8/2020 6:00	1027	1028	1044	1044
5/8/2020 7:00	1027	1027	1043	1044
5/8/2020 8:00	1027	1027	1043	1043
5/8/2020 9:00	1027	1027	1043	1043
5/8/2020 10:00	1026	1027	1042	1043
5/8/2020 11:00	1026	1027	1043	1043
5/8/2020 12:00	1027	1027	1043	1043
5/8/2020 13:00	1027	1028	1043	1043
5/8/2020 14:00	1028	1028	1043	1043
5/8/2020 15:00	1028	1028	1043	1043
5/8/2020 16:00	1028	1031	1043	1043
5/8/2020 17:00	1031	1034	1043	1043
5/8/2020 18:00	1034	1034	1043	1043
5/8/2020 19:00	1034	1034	1043	1043
5/8/2020 20:00	1034	1035	1043	1043
5/8/2020 21:00	1035	1035	1043	1043
5/8/2020 22:00	1034	1035	1043	1043
5/8/2020 23:00	1031	1034	1043	1043
5/9/2020 0:00	1030	1031	1042	1043
5/9/2020 1:00	1030	1031	1042	1043
5/9/2020 2:00	1031	1033	1042	1042
5/9/2020 3:00	1033	1035	1042	1042
5/9/2020 4:00	1034	1035	1042	1042
5/9/2020 5:00	1031	1034	1042	1042
5/9/2020 6:00	1031	1031	1042	1042
5/9/2020 7:00	1031	1031	1042	1042
5/9/2020 8:00	1031	1031	1042	1042
5/9/2020 9:00	1031	1032	1041	1042
5/9/2020 10:00	1032	1032	1041	1042
5/9/2020 11:00	1032	1033	1041	1042
5/9/2020 12:00	1033	1033	1041	1042
5/9/2020 13:00	1033	1033	1041	1042
5/9/2020 14:00	1033	1035	1042	1042
5/9/2020 15:00	1035	1037	1041	1042
5/9/2020 16:00	1037	1040	1034	1041
5/9/2020 17:00	1040	1041	1034	1034
5/9/2020 18:00	1040	1041	1034	1035
5/9/2020 19:00	1037	1040	1035	1036
5/9/2020 20:00	1034	1037	1036	1039
5/9/2020 21:00	1033	1034	1039	1042
5/9/2020 22:00	1033	1033	1042	1042
5/9/2020 23:00	1033	1033	1042	1042
5/10/2020 0:00	1033	1033	1042	1042
5/10/2020 1:00	1033	1033	1042	1042
5/10/2020 2:00	1033	1033	1041	1042
5/10/2020 3:00	1033	1033	1041	1041
5/10/2020 4:00	1033	1033	1038	1041
5/10/2020 5:00	1033	1033	1038	1042
5/10/2020 6:00	1033	1034	1041	1043
5/10/2020 7:00	1034	1035	1035	1041
5/10/2020 8:00	1035	1037	1035	1035
5/10/2020 9:00	1037	1039	1035	1035
5/10/2020 10:00	1039	1040	1034	1035
5/10/2020 11:00	1040	1040	1034	1034
5/10/2020 12:00	1040	1040	1034	1035
5/10/2020 13:00	1040	1040	1035	1035
5/10/2020 14:00	1032	1040	1035	1035
5/10/2020 15:00	1032	1040	1035	1035

Xcel Energy
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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/10/2020 16:00	1038	1040	1035	1035
5/10/2020 17:00	1038	1039	1035	1035
5/10/2020 18:00	1038	1039	1035	1035
5/10/2020 19:00	1034	1038	1035	1035
5/10/2020 20:00	1034	1034	1035	1035
5/10/2020 21:00	1034	1034	1035	1035
5/10/2020 22:00	1033	1034	1035	1035
5/10/2020 23:00	1033	1034	1035	1035
5/11/2020 0:00	1034	1034	1035	1035
5/11/2020 1:00	1031	1034	1035	1035
5/11/2020 2:00	1031	1034	1035	1035
5/11/2020 3:00	1034	1034	1035	1035
5/11/2020 4:00	1034	1034	1035	1035
5/11/2020 5:00	1031	1034	1035	1035
5/11/2020 6:00	1031	1034	1035	1035
5/11/2020 7:00	1031	1034	1035	1035
5/11/2020 8:00	1031	1034	1035	1035
5/11/2020 9:00	1034	1034	1035	1035
5/11/2020 10:00	1034	1034	1035	1035
5/11/2020 11:00	1031	1034	1035	1035
5/11/2020 12:00	1031	1034	1033	1035
5/11/2020 13:00	1034	1035	1033	1033
5/11/2020 14:00	1034	1035	1033	1034
5/11/2020 15:00	1033	1034	1033	1034
5/11/2020 16:00	1033	1033	1033	1033
5/11/2020 17:00	1032	1033	1033	1033
5/11/2020 18:00	1032	1032	1033	1033
5/11/2020 19:00	1032	1032	1033	1033
5/11/2020 20:00	1032	1032	1033	1033
5/11/2020 21:00	1032	1032	1033	1033
5/11/2020 22:00	1032	1032	1033	1033
5/11/2020 23:00	1032	1032	1033	1033
5/12/2020 0:00	1032	1032	1033	1033
5/12/2020 1:00	1032	1032	1033	1033
5/12/2020 2:00	1032	1033	1033	1033
5/12/2020 3:00	1033	1033	1033	1033
5/12/2020 4:00	1033	1033	1033	1033
5/12/2020 5:00	1033	1033	1033	1033
5/12/2020 6:00	1033	1038	1031	1033
5/12/2020 7:00	1033	1038	1031	1031
5/12/2020 8:00	1032	1033	1031	1031
5/12/2020 9:00	1031	1032	1031	1031
5/12/2020 10:00	1031	1033	1031	1031
5/12/2020 11:00	1031	1033	1031	1032
5/12/2020 12:00	1031	1031	1032	1032
5/12/2020 13:00	1031	1034	1032	1032
5/12/2020 14:00	1031	1034	1032	1033
5/12/2020 15:00	1031	1031	1030	1033
5/12/2020 16:00	1031	1031	1030	1031
5/12/2020 17:00	1030	1031	1031	1031
5/12/2020 18:00	1030	1030	1031	1032
5/12/2020 19:00	1030	1030	1031	1032
5/12/2020 20:00	1030	1031	1031	1032
5/12/2020 21:00	1031	1031	1032	1032
5/12/2020 22:00	1031	1031	1031	1032
5/12/2020 23:00	1031	1031	1031	1032
5/13/2020 0:00	1031	1031	1031	1032
5/13/2020 1:00	1031	1031	1031	1032
5/13/2020 2:00	1031	1031	1031	1032
5/13/2020 3:00	1031	1031	1031	1032
5/13/2020 4:00	1031	1033	1031	1032
5/13/2020 5:00	1031	1033	1031	1032
5/13/2020 6:00	1031	1031	1031	1032
5/13/2020 7:00	1031	1033	1031	1032
5/13/2020 8:00	1031	1033	1031	1032
5/13/2020 9:00	1031	1031	1031	1032
5/13/2020 10:00	1031	1031	1031	1032
5/13/2020 11:00	1031	1031	1031	1032
5/13/2020 12:00	1031	1031	1031	1032
5/13/2020 13:00	1031	1031	1031	1032
5/13/2020 14:00	1031	1031	1031	1032
5/13/2020 15:00	1031	1031	1031	1032
5/13/2020 16:00	1031	1032	1031	1032
5/13/2020 17:00	1032	1032	1031	1032
5/13/2020 18:00	1031	1032	1031	1032
5/13/2020 19:00	1031	1031	1031	1032
5/13/2020 20:00	1031	1031	1031	1032
5/13/2020 21:00	1031	1031	1031	1032
5/13/2020 22:00	1031	1031	1031	1032
5/13/2020 23:00	1031	1031	1031	1032

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/14/2020 0:00	1031	1031	1031	1032
5/14/2020 1:00	1031	1037	1031	1032
5/14/2020 2:00	1037	1039	1031	1032
5/14/2020 3:00	1039	1039	1031	1032
5/14/2020 4:00	1038	1039	1031	1032
5/14/2020 5:00	1037	1038	1031	1032
5/14/2020 6:00	1036	1037	1031	1032
5/14/2020 7:00	1034	1036	1031	1032
5/14/2020 8:00	1034	1034	1031	1032
5/14/2020 9:00	1034	1035	1031	1032
5/14/2020 10:00	1035	1035	1031	1032
5/14/2020 11:00	1035	1035	1031	1032
5/14/2020 12:00	1034	1035	1031	1032
5/14/2020 13:00	1033	1034	1031	1032
5/14/2020 14:00	1032	1033	1031	1032
5/14/2020 15:00	1032	1032	1031	1032
5/14/2020 16:00	1032	1032	1031	1032
5/14/2020 17:00	1032	1033	1031	1032
5/14/2020 18:00	1032	1033	1031	1032
5/14/2020 19:00	1032	1033	1031	1032
5/14/2020 20:00	1033	1033	1031	1032
5/14/2020 21:00	1033	1033	1031	1032
5/14/2020 22:00	1033	1034	1031	1032
5/14/2020 23:00	1034	1034	1031	1032
5/15/2020 0:00	1034	1035	1031	1032
5/15/2020 1:00	1032	1035	1031	1032
5/15/2020 2:00	1032	1033	1031	1032
5/15/2020 3:00	1032	1033	1031	1032
5/15/2020 4:00	1032	1034	1031	1032
5/15/2020 5:00	1030	1034	1031	1032
5/15/2020 6:00	1030	1030	1031	1032
5/15/2020 7:00	1030	1031	1031	1032
5/15/2020 8:00	1031	1032	1031	1032
5/15/2020 9:00	1032	1033	1031	1032
5/15/2020 10:00	1033	1034	1031	1032
5/15/2020 11:00	1033	1034	1031	1032
5/15/2020 12:00	1033	1033	1031	1032
5/15/2020 13:00	1033	1033	1031	1032
5/15/2020 14:00	1033	1033	1031	1032
5/15/2020 15:00	1033	1033	1031	1032
5/15/2020 16:00	1030	1033	1031	1032
5/15/2020 17:00	1030	1030	1031	1032
5/15/2020 18:00	1030	1034	1031	1032
5/15/2020 19:00	1030	1034	1031	1032
5/15/2020 20:00	1030	1030	1031	1032
5/15/2020 21:00	1030	1030	1031	1032
5/15/2020 22:00	1030	1033	1031	1032
5/15/2020 23:00	1031	1033	1031	1032
5/16/2020 0:00	1031	1032	1031	1032
5/16/2020 1:00	1032	1035	1031	1032
5/16/2020 2:00	1035	1036	1031	1032
5/16/2020 3:00	1036	1036	1031	1032
5/16/2020 4:00	1036	1036	1031	1032
5/16/2020 5:00	1036	1036	1031	1032
5/16/2020 6:00	1036	1037	1031	1032
5/16/2020 7:00	1037	1038	1031	1032
5/16/2020 8:00	1036	1038	1031	1032
5/16/2020 9:00	1035	1036	1031	1032
5/16/2020 10:00	1033	1035	1031	1032
5/16/2020 11:00	1032	1033	1031	1032
5/16/2020 12:00	1032	1032	1031	1032
5/16/2020 13:00	1031	1032	1031	1032
5/16/2020 14:00	1031	1031	1031	1032
5/16/2020 15:00	1031	1031	1031	1032
5/16/2020 16:00	1031	1031	1031	1032
5/16/2020 17:00	1031	1034	1031	1032
5/16/2020 18:00	1031	1034	1031	1032
5/16/2020 19:00	1031	1031	1031	1032
5/16/2020 20:00	1031	1031	1031	1032
5/16/2020 21:00	1031	1031	1031	1032
5/16/2020 22:00	1031	1031	1031	1032
5/16/2020 23:00	1031	1033	1031	1032
5/17/2020 0:00	1032	1033	1031	1032
5/17/2020 1:00	1032	1032	1031	1032
5/17/2020 2:00	1032	1032	1031	1032
5/17/2020 3:00	1032	1032	1031	1032
5/17/2020 4:00	1032	1034	1031	1032
5/17/2020 5:00	1032	1034	1031	1032
5/17/2020 6:00	1032	1033	1031	1032
5/17/2020 7:00	1033	1034	1031	1032

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/17/2020 8:00	1033	1034	1031	1032
5/17/2020 9:00	1033	1033	1031	1032
5/17/2020 10:00	1033	1035	1031	1032
5/17/2020 11:00	1032	1035	1031	1032
5/17/2020 12:00	1032	1032	1031	1032
5/17/2020 13:00	1032	1032	1031	1032
5/17/2020 14:00	1032	1032	1031	1032
5/17/2020 15:00	1032	1032	1031	1032
5/17/2020 16:00	1032	1037	1031	1032
5/17/2020 17:00	1033	1037	1031	1032
5/17/2020 18:00	1033	1033	1031	1032
5/17/2020 19:00	1033	1033	1031	1032
5/17/2020 20:00	1033	1036	1031	1032
5/17/2020 21:00	1033	1036	1031	1032
5/17/2020 22:00	1033	1033	1031	1032
5/17/2020 23:00	1033	1033	1031	1032
5/18/2020 0:00	1032	1033	1031	1032
5/18/2020 1:00	1032	1035	1031	1032
5/18/2020 2:00	1031	1035	1031	1032
5/18/2020 3:00	1031	1031	1031	1032
5/18/2020 4:00	1031	1032	1031	1032
5/18/2020 5:00	1032	1032	1031	1032
5/18/2020 6:00	1032	1032	1031	1032
5/18/2020 7:00	1032	1034	1031	1032
5/18/2020 8:00	1032	1034	1031	1032
5/18/2020 9:00	1032	1032	1031	1032
5/18/2020 10:00	1032	1032	1031	1032
5/18/2020 11:00	1032	1032	1031	1032
5/18/2020 12:00	1032	1032	1031	1032
5/18/2020 13:00	1032	1032	1031	1032
5/18/2020 14:00	1032	1032	1031	1032
5/18/2020 15:00	1032	1032	1031	1032
5/18/2020 16:00	1032	1032	1031	1032
5/18/2020 17:00	1032	1033	1031	1032
5/18/2020 18:00	1033	1033	1031	1032
5/18/2020 19:00	1033	1033	1031	1032
5/18/2020 20:00	1033	1033	1031	1032
5/18/2020 21:00	1033	1033	1031	1032
5/18/2020 22:00	1032	1033	1031	1032
5/18/2020 23:00	1032	1032	1031	1032
5/19/2020 0:00	1032	1032	1031	1032
5/19/2020 1:00	1032	1032	1031	1032
5/19/2020 2:00	1032	1032	1031	1032
5/19/2020 3:00	1032	1033	1031	1032
5/19/2020 4:00	1033	1033	1031	1032
5/19/2020 5:00	1033	1033	1031	1032
5/19/2020 6:00	1033	1033	1031	1032
5/19/2020 7:00	1033	1033	1031	1032
5/19/2020 8:00	1033	1034	1031	1032
5/19/2020 9:00	1033	1034	1031	1032
5/19/2020 10:00	1033	1033	1031	1032
5/19/2020 11:00	1033	1035	1031	1032
5/19/2020 12:00	1034	1035	1031	1032
5/19/2020 13:00	1034	1034	1031	1032
5/19/2020 14:00	1034	1035	1031	1032
5/19/2020 15:00	1035	1036	1031	1032
5/19/2020 16:00	1036	1036	1031	1032
5/19/2020 17:00	1036	1036	1031	1035
5/19/2020 18:00	1036	1036	1031	1036
5/19/2020 19:00	1036	1036	1031	1036
5/19/2020 20:00	1036	1036	1031	1036
5/19/2020 21:00	1036	1036	1031	1035
5/19/2020 22:00	1036	1036	1031	1036
5/19/2020 23:00	1035	1036	1031	1035
5/20/2020 0:00	1035	1035	1031	1035
5/20/2020 1:00	1035	1035	1032	1034
5/20/2020 2:00	1034	1035	1031	1034
5/20/2020 3:00	1034	1034	1031	1034
5/20/2020 4:00	1034	1034	1032	1035
5/20/2020 5:00	1034	1034	1031	1034
5/20/2020 6:00	1034	1034	1032	1034
5/20/2020 7:00	1034	1034	1032	1034
5/20/2020 8:00	1034	1034	1032	1034
5/20/2020 9:00	1034	1034	1032	1034
5/20/2020 10:00	1034	1034	1032	1034
5/20/2020 11:00	1034	1034	1032	1034
5/20/2020 12:00	1034	1034	1031	1034
5/20/2020 13:00	1034	1034	1032	1034
5/20/2020 14:00	1034	1034	1034	1034
5/20/2020 15:00	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
5/20/2020 16:00	1034	1034	1034	1034
5/20/2020 17:00	1034	1034	1034	1034
5/20/2020 18:00	1034	1034	1034	1034
5/20/2020 19:00	1034	1034	1034	1035
5/20/2020 20:00	1034	1034	1034	1035
5/20/2020 21:00	1034	1034	1034	1034
5/20/2020 22:00	1034	1034	1034	1034
5/20/2020 23:00	1034	1034	1034	1035
5/21/2020 0:00	1034	1034	1033	1036
5/21/2020 1:00	1034	1034	1034	1036
5/21/2020 2:00	1034	1034	1033	1036
5/21/2020 3:00	1033	1034	1035	1038
5/21/2020 4:00	1033	1033	1033	1035
5/21/2020 5:00	1033	1034	1035	1040
5/21/2020 6:00	1034	1034	1035	1040
5/21/2020 7:00	1034	1034	1035	1035
5/21/2020 8:00	1034	1034	1035	1039
5/21/2020 9:00	1034	1034	1034	1035
5/21/2020 10:00	1034	1034	1034	1038
5/21/2020 11:00	1033	1034	1033	1035
5/21/2020 12:00	1033	1034	1034	1037
5/21/2020 13:00	1034	1034	1034	1034
5/21/2020 14:00	1034	1035	1034	1035
5/21/2020 15:00	1035	1035	1034	1038
5/21/2020 16:00	1035	1035	1034	1035
5/21/2020 17:00	1035	1035	1035	1035
5/21/2020 18:00	1035	1035	1035	1035
5/21/2020 19:00	1035	1035	1034	1035
5/21/2020 20:00	1034	1035	1034	1034
5/21/2020 21:00	1034	1034	1034	1034
5/21/2020 22:00	1034	1038	1034	1038
5/21/2020 23:00	1035	1038	1034	1035
5/22/2020 0:00	1035	1038	1034	1038
5/22/2020 1:00	1034	1038	1034	1038
5/22/2020 2:00	1033	1034	1034	1039
5/22/2020 3:00	1033	1034	1034	1034
5/22/2020 4:00	1034	1034	1034	1034
5/22/2020 5:00	1034	1034	1034	1034
5/22/2020 6:00	1034	1034	1034	1034
5/22/2020 7:00	1034	1034	1034	1037
5/22/2020 8:00	1033	1034	1034	1035
5/22/2020 9:00	1033	1033	1033	1034
5/22/2020 10:00	1033	1034	1033	1034
5/22/2020 11:00	1034	1034	1033	1034
5/22/2020 12:00	1030	1034	1030	1036
5/22/2020 13:00	1030	1030	1036	1039
5/22/2020 14:00	1030	1034	1034	1041
5/22/2020 15:00	1034	1034	1031	1041
5/22/2020 16:00	1033	1034	1033	1040
5/22/2020 17:00	1033	1033	1039	1039
5/22/2020 18:00	1033	1033	1033	1039
5/22/2020 19:00	1033	1033	1033	1039
5/22/2020 20:00	1033	1033	1030	1038
5/22/2020 21:00	1033	1033	1030	1037
5/22/2020 22:00	1033	1033	1033	1037
5/22/2020 23:00	1030	1033	1030	1038
5/23/2020 0:00	1030	1036	1036	1038
5/23/2020 1:00	1036	1039	1030	1039
5/23/2020 2:00	1039	1040	1030	1039
5/23/2020 3:00	1039	1040	1039	1039
5/23/2020 4:00	1038	1039	1038	1039
5/23/2020 5:00	1038	1038	1030	1038
5/23/2020 6:00	1038	1038	1038	1038
5/23/2020 7:00	1037	1038	1038	1038
5/23/2020 8:00	1037	1037	1037	1038
5/23/2020 9:00	1037	1037	1036	1038
5/23/2020 10:00	1036	1037	1036	1038
5/23/2020 11:00	1036	1037	1037	1039
5/23/2020 12:00	1037	1037	1037	1039
5/23/2020 13:00	1037	1037	1030	1039
5/23/2020 14:00	1037	1037	1037	1039
5/23/2020 15:00	1037	1037	1037	1039
5/23/2020 16:00	1037	1037	1037	1038
5/23/2020 17:00	1037	1037	1035	1037
5/23/2020 18:00	1037	1037	1032	1037
5/23/2020 19:00	1037	1037	1028	1032
5/23/2020 20:00	1037	1037	1030	1037
5/23/2020 21:00	1037	1037	1030	1037
5/23/2020 22:00	1037	1037	1030	1030
5/23/2020 23:00	1037	1037	1030	1037

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/24/2020 0:00	1037	1037	1030	1030
5/24/2020 1:00	1037	1037	1030	1031
5/24/2020 2:00	1037	1038	1031	1038
5/24/2020 3:00	1038	1038	1031	1038
5/24/2020 4:00	1037	1038	1031	1045
5/24/2020 5:00	1037	1037	1031	1037
5/24/2020 6:00	1036	1037	1031	1031
5/24/2020 7:00	1033	1036	1030	1033
5/24/2020 8:00	1031	1033	1030	1043
5/24/2020 9:00	1030	1031	1030	1030
5/24/2020 10:00	1030	1030	1030	1030
5/24/2020 11:00	1030	1030	1030	1030
5/24/2020 12:00	1030	1030	1030	1030
5/24/2020 13:00	1030	1030	1030	1030
5/24/2020 14:00	1030	1030	1030	1030
5/24/2020 15:00	1030	1030	1030	1030
5/24/2020 16:00	1030	1030	1030	1030
5/24/2020 17:00	1030	1049	1030	1049
5/24/2020 18:00	1030	1049	1030	1030
5/24/2020 19:00	1030	1048	1029	1048
5/24/2020 20:00	1048	1048	1029	1048
5/24/2020 21:00	1030	1048	1029	1030
5/24/2020 22:00	1030	1030	1029	1030
5/24/2020 23:00	1030	1030	1029	1030
5/25/2020 0:00	1030	1047	1030	1047
5/25/2020 1:00	1029	1047	1030	1031
5/25/2020 2:00	1029	1047	1030	1047
5/25/2020 3:00	1029	1047	1028	1047
5/25/2020 4:00	1029	1029	1027	1029
5/25/2020 5:00	1029	1030	1026	1030
5/25/2020 6:00	1030	1030	1026	1030
5/25/2020 7:00	1030	1030	1027	1030
5/25/2020 8:00	1030	1030	1028	1030
5/25/2020 9:00	1029	1030	1028	1029
5/25/2020 10:00	1029	1029	1028	1030
5/25/2020 11:00	1029	1029	1029	1030
5/25/2020 12:00	1029	1029	1029	1030
5/25/2020 13:00	1029	1030	1030	1047
5/25/2020 14:00	1030	1030	1031	1047
5/25/2020 15:00	1030	1030	1032	1036
5/25/2020 16:00	1029	1030	1036	1042
5/25/2020 17:00	1029	1038	1038	1045
5/25/2020 18:00	1026	1038	1026	1045
5/25/2020 19:00	1026	1026	1026	1045
5/25/2020 20:00	1026	1026	1026	1044
5/25/2020 21:00	1026	1027	1027	1043
5/25/2020 22:00	1027	1028	1028	1043
5/25/2020 23:00	1028	1029	1043	1044
5/26/2020 0:00	1029	1029	1029	1044
5/26/2020 1:00	1029	1030	1029	1044
5/26/2020 2:00	1030	1030	1030	1043
5/26/2020 3:00	1030	1030	1030	1044
5/26/2020 4:00	1030	1036	1044	1046
5/26/2020 5:00	1036	1037	1036	1048
5/26/2020 6:00	1037	1042	1042	1049
5/26/2020 7:00	1035	1042	1035	1049
5/26/2020 8:00	1035	1044	1044	1049
5/26/2020 9:00	1043	1044	1043	1048
5/26/2020 10:00	1042	1043	1042	1048
5/26/2020 11:00	1042	1042	1035	1048
5/26/2020 12:00	1042	1043	1035	1047
5/26/2020 13:00	1043	1043	1043	1047
5/26/2020 14:00	1043	1043	1043	1047
5/26/2020 15:00	1043	1043	1043	1047
5/26/2020 16:00	1042	1043	1036	1047
5/26/2020 17:00	1042	1043	1043	1047
5/26/2020 18:00	1043	1045	1046	1047
5/26/2020 19:00	1045	1046	1046	1046
5/26/2020 20:00	1046	1047	1045	1047
5/26/2020 21:00	1047	1048	1044	1048
5/26/2020 22:00	1048	1048	1042	1047
5/26/2020 23:00	1047	1048	1042	1047
5/27/2020 0:00	1047	1047	1045	1047
5/27/2020 1:00	1046	1047	1046	1047
5/27/2020 2:00	1046	1046	1046	1047
5/27/2020 3:00	1040	1046	1040	1047
5/27/2020 4:00	1040	1046	1046	1047
5/27/2020 5:00	1046	1046	1040	1047
5/27/2020 6:00	1046	1046	1038	1043
5/27/2020 7:00	1046	1046	1038	1046

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Date/Time	Viking Gas Transmission (Fargo)		Williston Basin Interstate (Mapleton)	
	Min BTU	Max BTU	Min BTU	Max BTU
5/27/2020 8:00	1045	1046	1037	1039
5/27/2020 9:00	1043	1045	1037	1038
5/27/2020 10:00	1043	1043	1037	1043
5/27/2020 11:00	1043	1044	1037	1044
5/27/2020 12:00	1044	1046	1037	1045
5/27/2020 13:00	1046	1046	1037	1046
5/27/2020 14:00	1046	1046	1037	1046
5/27/2020 15:00	1046	1046	1036	1046
5/27/2020 16:00	1046	1046	1036	1045
5/27/2020 17:00	1045	1046	1035	1045
5/27/2020 18:00	1041	1045	1035	1036
5/27/2020 19:00	1037	1041	1035	1035
5/27/2020 20:00	1037	1037	1035	1037
5/27/2020 21:00	1036	1037	1034	1036
5/27/2020 22:00	1036	1036	1034	1036
5/27/2020 23:00	1036	1037	1034	1037
5/28/2020 0:00	1036	1037	1035	1037
5/28/2020 1:00	1036	1036	1035	1037
5/28/2020 2:00	1036	1036	1036	1036
5/28/2020 3:00	1036	1036	1036	1036
5/28/2020 4:00	1036	1036	1036	1037
5/28/2020 5:00	1036	1036	1036	1037
5/28/2020 6:00	1035	1036	1035	1037
5/28/2020 7:00	1035	1035	1037	1038
5/28/2020 8:00	1035	1035	1035	1039
5/28/2020 9:00	1035	1035	1039	1039
5/28/2020 10:00	1034	1035	1034	1039
5/28/2020 11:00	1034	1037	1037	1039
5/28/2020 12:00	1034	1037	1036	1039
5/28/2020 13:00	1034	1034	1034	1039
5/28/2020 14:00	1034	1035	1035	1040
5/28/2020 15:00	1035	1035	1035	1040
5/28/2020 16:00	1035	1036	1036	1040
5/28/2020 17:00	1036	1036	1036	1040
5/28/2020 18:00	1036	1036	1036	1040
5/28/2020 19:00	1036	1036	1036	1040
5/28/2020 20:00	1036	1037	1037	1039
5/28/2020 21:00	1037	1037	1037	1039
5/28/2020 22:00	1037	1038	1036	1038
5/28/2020 23:00	1036	1038	1036	1038
5/29/2020 0:00	1036	1038	1037	1038
5/29/2020 1:00	1038	1039	1037	1039
5/29/2020 2:00	1035	1039	1035	1037
5/29/2020 3:00	1035	1039	1037	1039
5/29/2020 4:00	1039	1039	1037	1039
5/29/2020 5:00	1039	1039	1036	1039
5/29/2020 6:00	1039	1039	1036	1039
5/29/2020 7:00	1039	1039	1036	1039
5/29/2020 8:00	1039	1039	1036	1039
5/29/2020 9:00	1039	1039	1036	1039
5/29/2020 10:00	1038	1039	1033	1036
5/29/2020 11:00	1037	1038	1036	1037
5/29/2020 12:00	1037	1037	1036	1037
5/29/2020 13:00	1036	1037	1036	1037
5/29/2020 14:00	1036	1036	1036	1037
5/29/2020 15:00	1036	1036	1036	1037
5/29/2020 16:00	1036	1037	1037	1037
5/29/2020 17:00	1037	1037	1036	1037
5/29/2020 17:00	1036	1037	1036	1037
5/29/2020 18:00	1032	1036	1032	1037
5/29/2020 19:00	1032	1036	1036	1037
5/29/2020 20:00	1036	1036	1035	1037
5/29/2020 21:00	1032	1036	1032	1037
5/29/2020 22:00	1032	1035	1034	1037
5/29/2020 23:00	1035	1035	1035	1037
5/30/2020 0:00	1035	1036	1036	1037
5/30/2020 1:00	1036	1036	1036	1037
5/30/2020 2:00	1036	1043	1036	1036
5/30/2020 3:00	1036	1043	1036	1044
5/30/2020 4:00	1036	1036	1036	1036
5/30/2020 5:00	1036	1036	1036	1036
5/30/2020 6:00	1036	1036	1036	1036
5/30/2020 7:00	1036	1036	1036	1036
5/30/2020 8:00	1036	1036	1036	1036
5/30/2020 9:00	1036	1036	1036	1036
5/30/2020 10:00	1036	1036	1036	1036
5/30/2020 11:00	1036	1036	1035	1036
5/30/2020 12:00	1036	1036	1035	1036
5/30/2020 13:00	1036	1036	1036	1036
5/30/2020 14:00	1036	1036	1035	1036

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
5/30/2020 15:00	1036	1036	1035	1036
5/30/2020 16:00	1035	1036	1035	1035
5/30/2020 17:00	1035	1035	1035	1035
5/30/2020 18:00	1035	1035	1035	1035
5/30/2020 19:00	1035	1035	1035	1035
5/30/2020 20:00	1035	1035	1035	1037
5/30/2020 21:00	1035	1035	1033	1035
5/30/2020 22:00	1035	1035	1033	1035
5/30/2020 23:00	1035	1035	1032	1035
5/31/2020 0:00	1035	1035	1032	1035
5/31/2020 1:00	1035	1035	1033	1035
5/31/2020 2:00	1035	1035	1034	1035
5/31/2020 3:00	1035	1035	1034	1035
5/31/2020 4:00	1030	1035	1030	1034
5/31/2020 5:00	1030	1035	1033	1035
5/31/2020 6:00	1035	1035	1032	1035
5/31/2020 7:00	1035	1035	1032	1035
5/31/2020 8:00	1035	1035	1032	1035
5/31/2020 9:00	1035	1035	1032	1035
5/31/2020 10:00	1035	1035	1032	1035
5/31/2020 11:00	1034	1035	1032	1032
5/31/2020 12:00	1033	1034	1030	1032
5/31/2020 13:00	1032	1033	1032	1035
5/31/2020 14:00	1032	1032	1032	1038
5/31/2020 15:00	1032	1032	1032	1040
5/31/2020 16:00	1032	1032	1032	1042
5/31/2020 17:00	1032	1033	1033	1043
5/31/2020 18:00	1033	1033	1033	1043
5/31/2020 19:00	1033	1033	1030	1043
5/31/2020 20:00	1033	1033	1030	1043
5/31/2020 21:00	1030	1033	1030	1043
5/31/2020 22:00	1030	1032	1030	1043
5/31/2020 23:00	1031	1032	1031	1042