



825 Rice Street
Saint Paul, MN 55117

September 5, 2024

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 August 2024 as required by N.D. PU-24-13.

If you need further information or clarification regarding the enclosed response, please contact Lisa Kallberg at 651-788-0648.

Sincerely,

A handwritten signature in blue ink that reads 'Christopher Akins'.

Christopher Akins, Director Operations Standards

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	Date	Daily Average
8/1/2024 0:00	1042.028	1042.569	8/1/2024	1195
8/1/2024 1:00	1042.569	1042.913	8/2/2024	1197
8/1/2024 2:00	1042.913	1042.913	8/3/2024	1191
8/1/2024 3:00	1042.792	1042.913	8/4/2024	1196
8/1/2024 4:00	1042.618	1042.792	8/5/2024	1200
8/1/2024 5:00	1042.618	1042.618	8/6/2024	1202
8/1/2024 6:00	1042.431	1042.618	8/7/2024	1211
8/1/2024 7:00	1042.258	1042.431	8/8/2024	1216
8/1/2024 8:00	1042.258	1042.258	8/9/2024	1209
8/1/2024 9:00	1042.258	1042.258	8/10/2024	1203
8/1/2024 10:00	1042.258	1042.258	8/11/2024	1203
8/1/2024 11:00	1042.258	1042.65	8/12/2024	1203
8/1/2024 12:00	1042.65	1042.65	8/13/2024	1206
8/1/2024 13:00	1042.356	1042.65	8/14/2024	1206
8/1/2024 14:00	1042.123	1042.356	8/15/2024	1207
8/1/2024 15:00	1041.965	1042.123	8/16/2024	1207
8/1/2024 16:00	1041.965	1041.965	8/17/2024	1201
8/1/2024 17:00	1041.965	1041.965	8/18/2024	1204
8/1/2024 18:00	1041.965	1041.965	8/19/2024	1207
8/1/2024 19:00	1041.796	1041.965	8/20/2024	1203
8/1/2024 20:00	1041.594	1041.796	8/21/2024	1205
8/1/2024 21:00	1041.393	1041.594	8/22/2024	1197
8/1/2024 22:00	1041.393	1041.393	8/23/2024	1201
8/1/2024 23:00	1041.215	1041.393	8/24/2024	1201
8/2/2024 0:00	1041.215	1041.215	8/25/2024	1203
8/2/2024 1:00	1041.215	1041.215	8/26/2024	1202
8/2/2024 2:00	1041.215	1041.336	8/27/2024	1200
8/2/2024 3:00	1041.336	1041.336	8/28/2024	1199
8/2/2024 4:00	1041.336	1041.443	8/29/2024	1199
8/2/2024 5:00	1041.443	1041.443	8/30/2024	1196
8/2/2024 6:00	1041.254	1041.443	8/31/2024	1200
8/2/2024 7:00	1041.101	1041.254		
8/2/2024 8:00	1041.101	1041.101		
8/2/2024 9:00	1041.101	1041.227		
8/2/2024 10:00	1041.227	1041.227		
8/2/2024 11:00	1041.227	1041.227		
8/2/2024 12:00	1041.227	1041.358		
8/2/2024 13:00	1041.358	1041.47		
8/2/2024 14:00	1041.47	1041.47		
8/2/2024 15:00	1041.47	1041.678		
8/2/2024 16:00	1041.678	1041.678		
8/2/2024 17:00	1041.678	1041.836		
8/2/2024 18:00	1041.836	1041.836		
8/2/2024 19:00	1041.71	1041.836		
8/2/2024 20:00	1041.71	1041.71		
8/2/2024 21:00	1041.71	1041.71		
8/2/2024 22:00	1041.71	1041.71		
8/2/2024 23:00	1041.71	1041.71		
8/3/2024 0:00	1041.71	1041.71		
8/3/2024 1:00	1041.71	1041.71		
8/3/2024 2:00	1041.567	1041.71		
8/3/2024 3:00	1041.567	1041.567		
8/3/2024 4:00	1041.567	1041.567		
8/3/2024 5:00	1041.567	1041.567		
8/3/2024 6:00	1041.567	1041.567		
8/3/2024 7:00	1041.567	1041.567		
8/3/2024 8:00	1041.567	1041.567		
8/3/2024 9:00	1041.567	1041.567		
8/3/2024 10:00	1041.567	1041.72		
8/3/2024 11:00	1041.72	1041.72		
8/3/2024 12:00	1041.72	1041.829		
8/3/2024 13:00	1041.575	1041.829		
8/3/2024 14:00	1041.366	1041.575		
8/3/2024 15:00	1041.366	1041.366		
8/3/2024 16:00	1041.366	1041.625		
8/3/2024 17:00	1041.625	1041.789		
8/3/2024 18:00	1041.789	1041.789		
8/3/2024 19:00	1041.789	1041.789		
8/3/2024 20:00	1041.789	1042.641		
8/3/2024 21:00	1042.641	1042.641		
8/3/2024 22:00	1042.641	1042.641		
8/3/2024 23:00	1042.641	1042.641		

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	Date	Daily Average
8/4/2024 0:00	1042.641	1042.641		
8/4/2024 1:00	1042.613	1042.761		
8/4/2024 2:00	1042.422	1042.613		
8/4/2024 3:00	1042.203	1042.422		
8/4/2024 4:00	1042.015	1042.203		
8/4/2024 5:00	1042.015	1042.015		
8/4/2024 6:00	1042.015	1042.015		
8/4/2024 7:00	1042.015	1042.015		
8/4/2024 8:00	1042.015	1042.015		
8/4/2024 9:00	1041.911	1042.015		
8/4/2024 10:00	1041.911	1041.911		
8/4/2024 11:00	1041.911	1041.911		
8/4/2024 12:00	1041.911	1041.911		
8/4/2024 13:00	1041.911	1042.073		
8/4/2024 14:00	1042.073	1042.331		
8/4/2024 15:00	1042.331	1042.695		
8/4/2024 16:00	1042.695	1043.138		
8/4/2024 17:00	1043.138	1043.54		
8/4/2024 18:00	1043.54	1043.54		
8/4/2024 19:00	1043.54	1043.54		
8/4/2024 20:00	1043.54	1043.54		
8/4/2024 21:00	1043.54	1043.54		
8/4/2024 22:00	1043.54	1043.54		
8/4/2024 23:00	1043.54	1043.826		
8/5/2024 0:00	1043.826	1044.158		
8/5/2024 1:00	1044.158	1044.391		
8/5/2024 2:00	1044.391	1044.517		
8/5/2024 3:00	1044.517	1044.517		
8/5/2024 4:00	1044.517	1044.517		
8/5/2024 5:00	1044.517	1044.517		
8/5/2024 6:00	1044.517	1044.517		
8/5/2024 7:00	1044.517	1044.517		
8/5/2024 8:00	1044.517	1044.517		
8/5/2024 9:00	1044.517	1044.517		
8/5/2024 10:00	1044.517	1044.517		
8/5/2024 11:00	1044.517	1044.67		
8/5/2024 12:00	1044.67	1044.67		
8/5/2024 13:00	1044.67	1044.817		
8/5/2024 14:00	1044.817	1044.817		
8/5/2024 15:00	1044.817	1044.817		
8/5/2024 16:00	1044.817	1044.817		
8/5/2024 17:00	1044.817	1044.817		
8/5/2024 18:00	1044.817	1044.817		
8/5/2024 19:00	1044.693	1044.817		
8/5/2024 20:00	1044.693	1044.693		
8/5/2024 21:00	1044.693	1044.693		
8/5/2024 22:00	1044.564	1044.693		
8/5/2024 23:00	1044.564	1044.564		
8/6/2024 0:00	1044.413	1044.564		
8/6/2024 1:00	1044.413	1044.413		
8/6/2024 2:00	1044.413	1044.413		
8/6/2024 3:00	1044.413	1044.413		
8/6/2024 4:00	1044.413	1044.413		
8/6/2024 5:00	1044.413	1044.413		
8/6/2024 6:00	1044.413	1044.413		
8/6/2024 7:00	1044.413	1044.515		
8/6/2024 8:00	1044.515	1044.515		
8/6/2024 9:00	1044.195	1044.515		
8/6/2024 10:00	1044	1044.195		
8/6/2024 11:00	1043.711	1044		
8/6/2024 12:00	1043.506	1043.711		
8/6/2024 13:00	1043.506	1043.506		
8/6/2024 14:00	1043.2	1043.506		
8/6/2024 15:00	1043.021	1043.2		
8/6/2024 16:00	1042.796	1043.021		
8/6/2024 17:00	1042.62	1042.796		
8/6/2024 18:00	1042.453	1042.62		
8/6/2024 19:00	1042.453	1042.453		
8/6/2024 20:00	1042.453	1042.453		
8/6/2024 21:00	1042.453	1042.453		
8/6/2024 22:00	1042.453	1042.453		
8/6/2024 23:00	1042.281	1042.453		
8/7/2024 0:00	1042.133	1042.281		
8/7/2024 1:00	1042.133	1042.133		
8/7/2024 2:00	1042.133	1042.133		
8/7/2024 3:00	1042.133	1042.133		
8/7/2024 4:00	1042.133	1042.133		
8/7/2024 5:00	1042.133	1042.133		
8/7/2024 6:00	1042.133	1042.133		
8/7/2024 7:00	1042.133	1042.133		

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	Date	Daily Average
8/7/2024 8:00	1042.032	1042.133		
8/7/2024 9:00	1042.032	1042.032		
8/7/2024 10:00	1042.032	1042.032		
8/7/2024 11:00	1042.032	1042.197		
8/7/2024 12:00	1042.197	1042.197		
8/7/2024 13:00	1042.197	1042.197		
8/7/2024 14:00	1042.197	1042.336		
8/7/2024 15:00	1042.336	1042.336		
8/7/2024 16:00	1042.336	1042.457		
8/7/2024 17:00	1042.457	1042.457		
8/7/2024 18:00	1042.275	1042.457		
8/7/2024 19:00	1042.037	1042.275		
8/7/2024 20:00	1041.784	1042.037		
8/7/2024 21:00	1041.602	1041.784		
8/7/2024 22:00	1041.602	1041.602		
8/7/2024 23:00	1041.462	1041.602		
8/8/2024 0:00	1041.462	1041.462		
8/8/2024 1:00	1041.462	1041.462		
8/8/2024 2:00	1041.312	1041.462		
8/8/2024 3:00	1041.312	1041.312		
8/8/2024 4:00	1041.312	1041.312		
8/8/2024 5:00	1041.312	1041.312		
8/8/2024 6:00	1041.312	1041.312		
8/8/2024 7:00	1041.312	1041.312		
8/8/2024 8:00	1041.166	1041.312		
8/8/2024 9:00	1041.043	1041.166		
8/8/2024 10:00	1041.043	1041.043		
8/8/2024 11:00	1041.043	1041.043		
8/8/2024 12:00	1041.043	1041.171		
8/8/2024 13:00	1041.171	1041.171		
8/8/2024 14:00	1041.171	1041.351		
8/8/2024 15:00	1041.351	1041.489		
8/8/2024 16:00	1041.489	1041.489		
8/8/2024 17:00	1041.489	1041.674		
8/8/2024 18:00	1041.674	1041.855		
8/8/2024 19:00	1041.855	1041.855		
8/8/2024 20:00	1041.855	1041.983		
8/8/2024 21:00	1041.983	1041.983		
8/8/2024 22:00	1041.983	1041.983		
8/8/2024 23:00	1041.802	1041.983		
8/9/2024 0:00	1041.475	1041.802		
8/9/2024 1:00	1041.08	1041.475		
8/9/2024 2:00	1040.898	1041.08		
8/9/2024 3:00	1040.898	1040.898		
8/9/2024 4:00	1040.898	1041.096		
8/9/2024 5:00	1041.096	1041.439		
8/9/2024 6:00	1041.439	1041.754		
8/9/2024 7:00	1041.754	1042.275		
8/9/2024 8:00	1042.275	1042.446		
8/9/2024 9:00	1042.446	1043.037		
8/9/2024 10:00	1043.037	1043.313		
8/9/2024 11:00	1043.313	1043.485		
8/9/2024 12:00	1043.485	1043.485		
8/9/2024 13:00	1043.485	1043.485		
8/9/2024 14:00	1043.485	1043.485		
8/9/2024 15:00	1043.485	1043.485		
8/9/2024 16:00	1043.485	1043.619		
8/9/2024 17:00	1043.619	1043.619		
8/9/2024 18:00	1043.619	1043.767		
8/9/2024 19:00	1043.767	1043.874		
8/9/2024 20:00	1043.874	1043.874		
8/9/2024 21:00	1043.543	1043.874		
8/9/2024 22:00	1043.391	1043.543		
8/9/2024 23:00	1042.929	1043.391		
8/10/2024 0:00	1042.068	1042.929		
8/10/2024 1:00	1041.284	1042.068		
8/10/2024 2:00	1040.538	1041.284		
8/10/2024 3:00	1039.207	1040.538		
8/10/2024 4:00	1037.807	1039.207		
8/10/2024 5:00	1036.922	1037.807		
8/10/2024 6:00	1036.607	1036.922		
8/10/2024 7:00	1036.607	1036.607		
8/10/2024 8:00	1036.607	1036.607		
8/10/2024 9:00	1036.607	1036.922		
8/10/2024 10:00	1036.688	1036.922		
8/10/2024 11:00	1036.431	1036.688		
8/10/2024 12:00	1036.431	1036.431		
8/10/2024 13:00	1036.431	1036.705		
8/10/2024 14:00	1036.705	1036.838		
8/10/2024 15:00	1036.838	1036.838		

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	Date	Daily Average
8/10/2024 16:00	1036.715	1036.838		
8/10/2024 17:00	1036.715	1036.715		
8/10/2024 18:00	1036.715	1036.715		
8/10/2024 19:00	1036.715	1036.715		
8/10/2024 20:00	1036.715	1036.715		
8/10/2024 21:00	1036.544	1036.715		
8/10/2024 22:00	1036.544	1036.544		
8/10/2024 23:00	1036.544	1036.544		
8/11/2024 0:00	1036.544	1036.544		
8/11/2024 1:00	1036.544	1036.544		
8/11/2024 2:00	1036.544	1036.544		
8/11/2024 3:00	1036.366	1036.544		
8/11/2024 4:00	1036.15	1036.366		
8/11/2024 5:00	1035.978	1036.15		
8/11/2024 6:00	1035.761	1035.978		
8/11/2024 7:00	1035.761	1035.761		
8/11/2024 8:00	1035.645	1035.761		
8/11/2024 9:00	1035.645	1035.645		
8/11/2024 10:00	1035.438	1035.645		
8/11/2024 11:00	1035.32	1035.438		
8/11/2024 12:00	1035.199	1035.32		
8/11/2024 13:00	1035.199	1035.199		
8/11/2024 14:00	1035.199	1035.423		
8/11/2024 15:00	1035.423	1035.423		
8/11/2024 16:00	1035.423	1035.423		
8/11/2024 17:00	1035.423	1035.423		
8/11/2024 18:00	1035.423	1035.72		
8/11/2024 19:00	1035.72	1035.955		
8/11/2024 20:00	1035.955	1036.314		
8/11/2024 21:00	1036.314	1036.629		
8/11/2024 22:00	1036.629	1036.629		
8/11/2024 23:00	1036.629	1037.039		
8/12/2024 0:00	1037.039	1037.216		
8/12/2024 1:00	1037.216	1037.216		
8/12/2024 2:00	1036.992	1037.216		
8/12/2024 3:00	1036.788	1036.992		
8/12/2024 4:00	1036.424	1036.788		
8/12/2024 5:00	1036.135	1036.424		
8/12/2024 6:00	1036.135	1036.135		
8/12/2024 7:00	1035.926	1036.135		
8/12/2024 8:00	1035.808	1035.926		
8/12/2024 9:00	1035.593	1035.808		
8/12/2024 10:00	1035.424	1035.593		
8/12/2024 11:00	1035.424	1035.424		
8/12/2024 12:00	1035.424	1035.424		
8/12/2024 13:00	1035.185	1035.424		
8/12/2024 14:00	1035.185	1035.185		
8/12/2024 15:00	1035.185	1035.185		
8/12/2024 16:00	1035.185	1035.185		
8/12/2024 17:00	1035.185	1035.185		
8/12/2024 18:00	1035.185	1035.185		
8/12/2024 19:00	1035.185	1035.376		
8/12/2024 20:00	1035.376	1035.493		
8/12/2024 21:00	1035.493	1035.678		
8/12/2024 22:00	1035.678	1035.953		
8/12/2024 23:00	1035.953	1036.085		
8/13/2024 0:00	1036.085	1036.285		
8/13/2024 1:00	1036.285	1036.285		
8/13/2024 2:00	1036.285	1036.403		
8/13/2024 3:00	1036.403	1036.403		
8/13/2024 4:00	1036.403	1036.403		
8/13/2024 5:00	1036.403	1036.403		
8/13/2024 6:00	1036.403	1036.571		
8/13/2024 7:00	1036.571	1036.571		
8/13/2024 8:00	1036.571	1036.571		
8/13/2024 9:00	1036.043	1036.571		
8/13/2024 10:00	1036.043	1036.043		
8/13/2024 11:00	1036.043	1036.043		
8/13/2024 12:00	1036.043	1036.327		
8/13/2024 13:00	1036.327	1036.625		
8/13/2024 14:00	1036.625	1036.801		
8/13/2024 15:00	1036.801	1036.801		
8/13/2024 16:00	1036.594	1036.801		
8/13/2024 17:00	1036.594	1036.594		
8/13/2024 18:00	1036.594	1036.906		
8/13/2024 19:00	1036.906	1037.105		
8/13/2024 20:00	1037.105	1037.426		
8/13/2024 21:00	1037.426	1037.621		
8/13/2024 22:00	1037.621	1037.818		
8/13/2024 23:00	1037.818	1038.122		

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	Date	Daily Average
8/14/2024 0:00	1038.122	1038.347		
8/14/2024 1:00	1038.347	1038.347		
8/14/2024 2:00	1038.347	1038.347		
8/14/2024 3:00	1038.206	1038.347		
8/14/2024 4:00	1038.064	1038.206		
8/14/2024 5:00	1038.064	1038.064		
8/14/2024 6:00	1037.958	1038.064		
8/14/2024 7:00	1037.958	1037.958		
8/14/2024 8:00	1037.958	1039.044		
8/14/2024 9:00	1039.044	1040.313		
8/14/2024 10:00	1040.313	1041.964		
8/14/2024 11:00	1041.964	1043.238		
8/14/2024 12:00	1043.238	1044.739		
8/14/2024 13:00	1044.739	1045.689		
8/14/2024 14:00	1045.689	1046.997		
8/14/2024 15:00	1046.997	1047.506		
8/14/2024 16:00	1047.506	1047.752		
8/14/2024 17:00	1047.752	1048.286		
8/14/2024 18:00	1048.286	1048.638		
8/14/2024 19:00	1048.638	1048.877		
8/14/2024 20:00	1048.877	1048.877		
8/14/2024 21:00	1048.684	1048.877		
8/14/2024 22:00	1048.196	1048.684		
8/14/2024 23:00	1047.704	1048.196		
8/15/2024 0:00	1047.252	1047.704		
8/15/2024 1:00	1047.252	1047.523		
8/15/2024 2:00	1047.523	1047.523		
8/15/2024 3:00	1047.523	1047.694		
8/15/2024 4:00	1047.325	1047.694		
8/15/2024 5:00	1047.112	1047.325		
8/15/2024 6:00	1046.774	1047.112		
8/15/2024 7:00	1046.295	1046.774		
8/15/2024 8:00	1045.95	1046.295		
8/15/2024 9:00	1044.759	1045.95		
8/15/2024 10:00	1044.469	1044.759		
8/15/2024 11:00	1044.312	1044.469		
8/15/2024 12:00	1044.15	1044.312		
8/15/2024 13:00	1043.924	1044.15		
8/15/2024 14:00	1043.671	1043.924		
8/15/2024 15:00	1043.479	1043.671		
8/15/2024 16:00	1043.479	1043.479		
8/15/2024 17:00	1043.479	1043.479		
8/15/2024 18:00	1043.479	1043.479		
8/15/2024 19:00	1043.221	1043.479		
8/15/2024 20:00	1042.935	1043.221		
8/15/2024 21:00	1042.804	1042.935		
8/15/2024 22:00	1042.804	1042.905		
8/15/2024 23:00	1042.905	1043.058		
8/16/2024 0:00	1043.058	1043.29		
8/16/2024 1:00	1043.29	1043.29		
8/16/2024 2:00	1043.29	1043.29		
8/16/2024 3:00	1043.29	1043.29		
8/16/2024 4:00	1043.29	1043.413		
8/16/2024 5:00	1043.413	1043.639		
8/16/2024 6:00	1043.639	1043.812		
8/16/2024 7:00	1043.812	1043.812		
8/16/2024 8:00	1043.812	1043.812		
8/16/2024 9:00	1043.577	1043.812		
8/16/2024 10:00	1043.396	1043.577		
8/16/2024 11:00	1043.396	1043.396		
8/16/2024 12:00	1043.181	1043.396		
8/16/2024 13:00	1043.181	1043.181		
8/16/2024 14:00	1043.008	1043.181		
8/16/2024 15:00	1043.008	1043.008		
8/16/2024 16:00	1043.008	1043.008		
8/16/2024 17:00	1043.008	1043.296		
8/16/2024 18:00	1043.296	1043.399		
8/16/2024 19:00	1043.399	1043.399		
8/16/2024 20:00	1043.269	1043.399		
8/16/2024 21:00	1043.269	1043.269		
8/16/2024 22:00	1043.269	1043.269		
8/16/2024 23:00	1043.269	1043.543		
8/17/2024 0:00	1043.543	1043.543		
8/17/2024 1:00	1043.543	1043.808		
8/17/2024 2:00	1043.808	1043.808		
8/17/2024 3:00	1043.808	1043.808		
8/17/2024 4:00	1043.808	1043.808		
8/17/2024 5:00	1043.808	1043.808		
8/17/2024 6:00	1043.808	1043.808		
8/17/2024 7:00	1043.808	1043.994		

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	Date	Daily Average
8/17/2024 8:00	1043.994	1043.994		
8/17/2024 9:00	1043.994	1044.253		
8/17/2024 10:00	1044.253	1044.253		
8/17/2024 11:00	1044.253	1044.253		
8/17/2024 12:00	1044.253	1044.364		
8/17/2024 13:00	1044.364	1044.364		
8/17/2024 14:00	1044.364	1044.364		
8/17/2024 15:00	1044.364	1044.364		
8/17/2024 16:00	1044.364	1044.558		
8/17/2024 17:00	1044.558	1044.726		
8/17/2024 18:00	1044.726	1044.858		
8/17/2024 19:00	1044.858	1044.858		
8/17/2024 20:00	1044.858	1044.858		
8/17/2024 21:00	1044.729	1044.858		
8/17/2024 22:00	1044.498	1044.729		
8/17/2024 23:00	1044.498	1044.498		
8/18/2024 0:00	1044.498	1044.498		
8/18/2024 1:00	1044.498	1044.648		
8/18/2024 2:00	1044.648	1044.648		
8/18/2024 3:00	1044.648	1044.648		
8/18/2024 4:00	1044.648	1044.648		
8/18/2024 5:00	1044.476	1044.648		
8/18/2024 6:00	1044.476	1044.615		
8/18/2024 7:00	1044.615	1044.859		
8/18/2024 8:00	1044.859	1044.859		
8/18/2024 9:00	1044.859	1045.043		
8/18/2024 10:00	1045.043	1045.043		
8/18/2024 11:00	1044.91	1045.043		
8/18/2024 12:00	1044.91	1044.91		
8/18/2024 13:00	1044.91	1044.91		
8/18/2024 14:00	1044.91	1044.91		
8/18/2024 15:00	1044.91	1044.91		
8/18/2024 16:00	1044.91	1044.91		
8/18/2024 17:00	1044.91	1044.91		
8/18/2024 18:00	1044.91	1044.91		
8/18/2024 19:00	1044.91	1044.91		
8/18/2024 20:00	1044.91	1044.91		
8/18/2024 21:00	1044.91	1044.91		
8/18/2024 22:00	1044.91	1044.91		
8/18/2024 23:00	1044.713	1044.91		
8/19/2024 0:00	1044.713	1044.713		
8/19/2024 1:00	1044.713	1044.713		
8/19/2024 2:00	1044.527	1044.713		
8/19/2024 3:00	1044.107	1044.527		
8/19/2024 4:00	1043.712	1044.107		
8/19/2024 5:00	1043.321	1043.712		
8/19/2024 6:00	1043.104	1043.321		
8/19/2024 7:00	1043.104	1043.104		
8/19/2024 8:00	1042.965	1043.104		
8/19/2024 9:00	1042.965	1042.965		
8/19/2024 10:00	1042.965	1042.965		
8/19/2024 11:00	1042.684	1042.965		
8/19/2024 12:00	1042.477	1042.684		
8/19/2024 13:00	1042.225	1042.477		
8/19/2024 14:00	1042.225	1042.225		
8/19/2024 15:00	1042.225	1042.426		
8/19/2024 16:00	1042.426	1042.639		
8/19/2024 17:00	1042.639	1042.88		
8/19/2024 18:00	1042.88	1043.044		
8/19/2024 19:00	1043.044	1043.31		
8/19/2024 20:00	1043.31	1043.5		
8/19/2024 21:00	1043.5	1043.746		
8/19/2024 22:00	1043.746	1043.847		
8/19/2024 23:00	1043.847	1044		
8/20/2024 0:00	1044	1044.277		
8/20/2024 1:00	1044.277	1044.613		
8/20/2024 2:00	1044.613	1044.896		
8/20/2024 3:00	1044.896	1045.093		
8/20/2024 4:00	1045.093	1045.093		
8/20/2024 5:00	1045.093	1045.263		
8/20/2024 6:00	1045.263	1045.46		
8/20/2024 7:00	1045.46	1045.46		
8/20/2024 8:00	1045.46	1045.46		
8/20/2024 9:00	1045.46	1045.46		
8/20/2024 10:00	1045.46	1045.46		
8/20/2024 11:00	1045.46	1045.569		
8/20/2024 12:00	1045.569	1045.569		
8/20/2024 13:00	1045.569	1045.569		
8/20/2024 14:00	1045.569	1045.569		
8/20/2024 15:00	1045.569	1045.569		

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	Date	Daily Average
8/20/2024 16:00	1045.569	1045.569		
8/20/2024 17:00	1045.569	1045.569		
8/20/2024 18:00	1045.443	1045.569		
8/20/2024 19:00	1045.322	1045.443		
8/20/2024 20:00	1045.142	1045.322		
8/20/2024 21:00	1045.142	1045.254		
8/20/2024 22:00	1045.254	1045.254		
8/20/2024 23:00	1045.254	1045.254		
8/21/2024 0:00	1045.254	1045.254		
8/21/2024 1:00	1045.254	1045.47		
8/21/2024 2:00	1045.47	1045.645		
8/21/2024 3:00	1045.645	1045.645		
8/21/2024 4:00	1045.531	1045.645		
8/21/2024 5:00	1045.531	1045.531		
8/21/2024 6:00	1045.531	1045.531		
8/21/2024 7:00	1045.531	1045.637		
8/21/2024 8:00	1045.637	1045.637		
8/21/2024 9:00	1045.362	1045.637		
8/21/2024 10:00	1045.362	1045.362		
8/21/2024 11:00	1045.362	1045.362		
8/21/2024 12:00	1045.362	1045.362		
8/21/2024 13:00	1045.101	1045.362		
8/21/2024 14:00	1044.978	1045.101		
8/21/2024 15:00	1044.876	1044.978		
8/21/2024 16:00	1044.876	1044.876		
8/21/2024 17:00	1044.625	1044.876		
8/21/2024 18:00	1044.625	1044.625		
8/21/2024 19:00	1044.377	1044.625		
8/21/2024 20:00	1044.156	1044.377		
8/21/2024 21:00	1043.627	1044.156		
8/21/2024 22:00	1042.88	1043.627		
8/21/2024 23:00	1042.479	1042.88		
8/22/2024 0:00	1042.297	1042.479		
8/22/2024 1:00	1042.059	1042.297		
8/22/2024 2:00	1041.807	1042.059		
8/22/2024 3:00	1041.65	1041.807		
8/22/2024 4:00	1041.538	1041.65		
8/22/2024 5:00	1041.194	1041.538		
8/22/2024 6:00	1040.726	1041.194		
8/22/2024 7:00	1040.283	1040.726		
8/22/2024 8:00	1040.182	1040.283		
8/22/2024 9:00	1040.182	1040.283		
8/22/2024 10:00	1040.283	1040.48		
8/22/2024 11:00	1040.48	1040.695		
8/22/2024 12:00	1040.695	1040.819		
8/22/2024 13:00	1040.819	1040.819		
8/22/2024 14:00	1040.729	1041.035		
8/22/2024 15:00	1041.035	1041.035		
8/22/2024 16:00	1041.035	1041.152		
8/22/2024 17:00	1040.914	1041.152		
8/22/2024 18:00	1040.659	1040.914		
8/22/2024 19:00	1040.519	1040.659		
8/22/2024 20:00	1040.519	1040.519		
8/22/2024 21:00	1040.207	1040.519		
8/22/2024 22:00	1039.768	1040.207		
8/22/2024 23:00	1039.394	1039.768		
8/23/2024 0:00	1039.394	1039.537		
8/23/2024 1:00	1039.537	1039.537		
8/23/2024 2:00	1039.134	1039.537		
8/23/2024 3:00	1038.838	1039.134		
8/23/2024 4:00	1038.629	1038.838		
8/23/2024 5:00	1038.324	1038.629		
8/23/2024 6:00	1038.028	1038.324		
8/23/2024 7:00	1038.028	1038.028		
8/23/2024 8:00	1038.028	1038.189		
8/23/2024 9:00	1038.189	1038.65		
8/23/2024 10:00	1038.65	1038.777		
8/23/2024 11:00	1038.777	1038.777		
8/23/2024 12:00	1038.777	1038.968		
8/23/2024 13:00	1038.968	1038.968		
8/23/2024 14:00	1038.968	1039.023		
8/23/2024 15:00	1039.023	1039.023		
8/23/2024 16:00	1039.023	1039.023		
8/23/2024 17:00	1038.917	1039.023		
8/23/2024 18:00	1038.799	1038.917		
8/23/2024 19:00	1038.63	1038.799		
8/23/2024 20:00	1038.471	1038.63		
8/23/2024 21:00	1038.302	1038.471		
8/23/2024 22:00	1038.151	1038.302		
8/23/2024 23:00	1038.151	1038.151		

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	Date	Daily Average
8/24/2024 0:00	1038.019	1038.151		
8/24/2024 1:00	1038.019	1038.019		
8/24/2024 2:00	1038.019	1038.019		
8/24/2024 3:00	1038.019	1038.019		
8/24/2024 4:00	1038.019	1038.172		
8/24/2024 5:00	1038.172	1038.382		
8/24/2024 6:00	1038.382	1038.522		
8/24/2024 7:00	1038.522	1038.682		
8/24/2024 8:00	1038.682	1038.682		
8/24/2024 9:00	1038.682	1039.604		
8/24/2024 10:00	1039.604	1040.042		
8/24/2024 11:00	1040.042	1040.189		
8/24/2024 12:00	1040.189	1040.189		
8/24/2024 13:00	1040.189	1040.189		
8/24/2024 14:00	1039.957	1040.189		
8/24/2024 15:00	1039.764	1039.957		
8/24/2024 16:00	1039.474	1039.764		
8/24/2024 17:00	1039.301	1039.474		
8/24/2024 18:00	1039.301	1039.301		
8/24/2024 19:00	1039.301	1039.301		
8/24/2024 20:00	1039.301	1039.301		
8/24/2024 21:00	1039.301	1039.416		
8/24/2024 22:00	1039.276	1039.416		
8/24/2024 23:00	1038.952	1039.276		
8/25/2024 0:00	1038.527	1038.952		
8/25/2024 1:00	1038.258	1038.527		
8/25/2024 2:00	1038.258	1038.258		
8/25/2024 3:00	1038.258	1038.454		
8/25/2024 4:00	1038.454	1038.454		
8/25/2024 5:00	1038.454	1038.454		
8/25/2024 6:00	1038.353	1038.454		
8/25/2024 7:00	1038.353	1038.353		
8/25/2024 8:00	1038.353	1038.353		
8/25/2024 9:00	1038.353	1038.529		
8/25/2024 10:00	1038.529	1038.754		
8/25/2024 11:00	1038.754	1038.98		
8/25/2024 12:00	1038.98	1039.139		
8/25/2024 13:00	1039.139	1039.267		
8/25/2024 14:00	1039.267	1039.267		
8/25/2024 15:00	1039.267	1039.267		
8/25/2024 16:00	1039.267	1039.478		
8/25/2024 17:00	1039.478	1039.67		
8/25/2024 18:00	1039.67	1039.891		
8/25/2024 19:00	1039.891	1039.891		
8/25/2024 20:00	1039.685	1039.891		
8/25/2024 21:00	1039.017	1039.685		
8/25/2024 22:00	1038.541	1039.017		
8/25/2024 23:00	1038.541	1038.541		
8/26/2024 0:00	1038.541	1039.135		
8/26/2024 1:00	1039.135	1039.701		
8/26/2024 2:00	1039.701	1039.982		
8/26/2024 3:00	1039.865	1039.982		
8/26/2024 4:00	1039.698	1039.865		
8/26/2024 5:00	1039.589	1039.698		
8/26/2024 6:00	1039.44	1039.589		
8/26/2024 7:00	1039.44	1039.44		
8/26/2024 8:00	1039.44	1039.44		
8/26/2024 9:00	1039.44	1039.585		
8/26/2024 10:00	1039.585	1039.734		
8/26/2024 11:00	1039.734	1039.864		
8/26/2024 12:00	1039.864	1040.076		
8/26/2024 13:00	1040.076	1040.305		
8/26/2024 14:00	1040.305	1040.535		
8/26/2024 15:00	1040.535	1040.822		
8/26/2024 16:00	1040.822	1040.822		
8/26/2024 17:00	1040.822	1041.493		
8/26/2024 18:00	1041.493	1041.677		
8/26/2024 19:00	1041.677	1041.677		
8/26/2024 20:00	1041.677	1041.677		
8/26/2024 21:00	1041.677	1041.677		
8/26/2024 22:00	1041.677	1041.677		
8/26/2024 23:00	1041.677	1041.968		
8/27/2024 0:00	1041.968	1041.968		
8/27/2024 1:00	1041.968	1042.026		
8/27/2024 2:00	1042.026	1042.128		
8/27/2024 3:00	1042.128	1042.128		
8/27/2024 4:00	1042.128	1042.128		
8/27/2024 5:00	1042.128	1042.128		
8/27/2024 6:00	1042.128	1042.128		
8/27/2024 7:00	1042.128	1042.23		

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	Date	Daily Average
8/27/2024 8:00	1042.23	1042.23		
8/27/2024 9:00	1042.23	1042.405		
8/27/2024 10:00	1042.405	1042.521		
8/27/2024 11:00	1042.521	1042.521		
8/27/2024 12:00	1042.521	1042.624		
8/27/2024 13:00	1042.624	1042.624		
8/27/2024 14:00	1042.472	1042.624		
8/27/2024 15:00	1042.472	1042.472		
8/27/2024 16:00	1042.337	1042.472		
8/27/2024 17:00	1042.229	1042.337		
8/27/2024 18:00	1042.229	1042.229		
8/27/2024 19:00	1042.229	1042.229		
8/27/2024 20:00	1042.229	1042.229		
8/27/2024 21:00	1042.229	1042.229		
8/27/2024 22:00	1042.229	1042.229		
8/27/2024 23:00	1042.229	1042.229		
8/28/2024 0:00	1042.229	1042.229		
8/28/2024 1:00	1042.229	1042.229		
8/28/2024 2:00	1042.229	1042.229		
8/28/2024 3:00	1042.229	1042.229		
8/28/2024 4:00	1042.229	1042.229		
8/28/2024 5:00	1042.229	1042.229		
8/28/2024 6:00	1042.229	1042.229		
8/28/2024 7:00	1042.229	1042.229		
8/28/2024 8:00	1042.229	1042.229		
8/28/2024 9:00	1042.229	1042.229		
8/28/2024 10:00	1042.229	1042.229		
8/28/2024 11:00	1042.229	1042.333		
8/28/2024 12:00	1042.333	1042.499		
8/28/2024 13:00	1042.499	1042.656		
8/28/2024 14:00	1042.656	1042.656		
8/28/2024 15:00	1042.656	1042.81		
8/28/2024 16:00	1042.81	1042.81		
8/28/2024 17:00	1042.81	1042.978		
8/28/2024 18:00	1042.978	1042.978		
8/28/2024 19:00	1042.978	1042.978		
8/28/2024 20:00	1042.978	1042.978		
8/28/2024 21:00	1042.978	1042.978		
8/28/2024 22:00	1042.978	1042.978		
8/28/2024 23:00	1042.978	1042.978		
8/29/2024 0:00	1042.978	1042.978		
8/29/2024 1:00	1042.978	1042.978		
8/29/2024 2:00	1042.978	1042.978		
8/29/2024 3:00	1042.978	1042.978		
8/29/2024 4:00	1042.978	1042.978		
8/29/2024 5:00	1042.978	1042.978		
8/29/2024 6:00	1042.978	1043.176		
8/29/2024 7:00	1043.176	1043.176		
8/29/2024 8:00	1043.176	1043.176		
8/29/2024 9:00	1042.967	1043.176		
8/29/2024 10:00	1042.967	1043.082		
8/29/2024 11:00	1043.082	1043.082		
8/29/2024 11:00	1043.082	1043.082		
8/29/2024 12:00	1043.272	1043.272		
8/29/2024 12:00	1043.082	1043.272		
8/29/2024 13:00	1043.272	1043.272		
8/29/2024 14:00	1043.272	1043.419		
8/29/2024 15:00	1043.419	1043.419		
8/29/2024 16:00	1043.419	1043.671		
8/29/2024 17:00	1043.671	1043.857		
8/29/2024 18:00	1043.857	1043.857		
8/29/2024 19:00	1043.857	1043.857		
8/29/2024 20:00	1043.699	1043.857		
8/29/2024 21:00	1043.326	1043.699		
8/29/2024 22:00	1042.651	1043.326		
8/29/2024 23:00	1041.957	1042.651		
8/30/2024 0:00	1041.697	1041.957		
8/30/2024 1:00	1041.588	1041.697		
8/30/2024 2:00	1041.588	1041.588		
8/30/2024 3:00	1041.588	1041.588		
8/30/2024 4:00	1041.588	1041.588		
8/30/2024 5:00	1041.588	1041.7		
8/30/2024 6:00	1041.7	1041.7		
8/30/2024 7:00	1041.7	1041.85		
8/30/2024 8:00	1041.85	1041.85		
8/30/2024 9:00	1041.85	1041.85		
8/30/2024 10:00	1041.85	1041.85		
8/30/2024 11:00	1041.85	1041.85		
8/30/2024 12:00	1041.85	1042.018		
8/30/2024 13:00	1042.018	1042.178		

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	Date	Daily Average
8/30/2024 14:00	1042.178	1042.316		
8/30/2024 15:00	1042.316	1042.446		
8/30/2024 16:00	1042.446	1042.585		
8/30/2024 17:00	1042.585	1042.585		
8/30/2024 18:00	1042.585	1042.585		
8/30/2024 19:00	1042.585	1042.585		
8/30/2024 20:00	1042.585	1042.585		
8/30/2024 21:00	1042.585	1042.585		
8/30/2024 22:00	1042.585	1042.585		
8/30/2024 23:00	1042.397	1042.585		
8/31/2024 0:00	1042.156	1042.397		
8/31/2024 1:00	1042.038	1042.156		
8/31/2024 2:00	1042.038	1042.038		
8/31/2024 3:00	1042.038	1042.038		
8/31/2024 4:00	1042.038	1042.038		
8/31/2024 5:00	1041.822	1042.038		
8/31/2024 6:00	1041.822	1041.822		
8/31/2024 7:00	1041.687	1041.822		
8/31/2024 8:00	1041.687	1041.687		
8/31/2024 9:00	1041.687	1041.687		
8/31/2024 10:00	1041.687	1041.687		
8/31/2024 11:00	1041.687	1041.687		
8/31/2024 12:00	1041.687	1041.687		
8/31/2024 13:00	1041.687	1041.687		
8/31/2024 14:00	1041.527	1041.687		
8/31/2024 15:00	1041.527	1041.527		
8/31/2024 16:00	1041.527	1041.527		
8/31/2024 17:00	1041.527	1041.664		
8/31/2024 18:00	1041.664	1041.873		
8/31/2024 19:00	1041.759	1041.873		
8/31/2024 20:00	1041.759	1041.759		
8/31/2024 21:00	1041.759	1041.759		
8/31/2024 22:00	1041.759	1041.759		
8/31/2024 23:00	1041.759	1041.759		