



825 Rice Street
Saint Paul, MN 55117

March 18, 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 February 2019 as required by N.D. PU-19-92.

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 |
| 2/1/2019 0:00 | 1022 | 1022 | 1021 | 1022 |
| 2/1/2019 1:38 | 1022 | 1022 | 1021 | 1022 |
| 2/1/2019 2:34 | 1021 | 1022 | 1021 | 1022 |
| 2/1/2019 3:00 | 1021 | 1021 | 1021 | 1021 |
| 2/1/2019 4:40 | 1021 | 1021 | 1021 | 1021 |
| 2/1/2019 5:43 | 1021 | 1021 | 1021 | 1021 |
| 2/1/2019 6:39 | 1021 | 1021 | 1021 | 1021 |
| 2/1/2019 7:00 | 1021 | 1021 | 1021 | 1021 |
| 2/1/2019 8:38 | 1021 | 1021 | 1021 | 1021 |
| 2/1/2019 9:00 | 1021 | 1021 | 1021 | 1021 |
| 2/1/2019 10:37 | 1021 | 1021 | 1021 | 1022 |
| 2/1/2019 11:40 | 1021 | 1021 | 1022 | 1024 |
| 2/1/2019 12:36 | 1021 | 1021 | 1024 | 1025 |
| 2/1/2019 13:00 | 1021 | 1021 | 1025 | 1027 |
| 2/1/2019 14:00 | 1021 | 1021 | 1027 | 1029 |
| 2/1/2019 15:00 | 1021 | 1022 | 1029 | 1031 |
| 2/1/2019 16:00 | 1022 | 1024 | 1031 | 1032 |
| 2/1/2019 17:00 | 1024 | 1025 | 1032 | 1033 |
| 2/1/2019 18:00 | 1025 | 1027 | 1033 | 1034 |
| 2/1/2019 19:00 | 1027 | 1030 | 1034 | 1035 |
| 2/1/2019 20:00 | 1030 | 1030 | 1035 | 1035 |
| 2/1/2019 21:00 | 1030 | 1030 | 1035 | 1036 |
| 2/1/2019 22:00 | 1030 | 1033 | 1036 | 1036 |
| 2/1/2019 23:00 | 1033 | 1034 | 1036 | 1036 |
| 2/2/2019 0:00 | 1034 | 1035 | 1036 | 1036 |
| 2/2/2019 1:00 | 1035 | 1035 | 1036 | 1036 |
| 2/2/2019 2:00 | 1035 | 1036 | 1036 | 1036 |
| 2/2/2019 3:00 | 1036 | 1036 | 1036 | 1036 |
| 2/2/2019 4:00 | 1036 | 1036 | 1036 | 1036 |
| 2/2/2019 5:00 | 1036 | 1036 | 1036 | 1036 |
| 2/2/2019 6:00 | 1036 | 1036 | 1036 | 1036 |
| 2/2/2019 7:00 | 1036 | 1036 | 1036 | 1036 |
| 2/2/2019 8:40 | 1036 | 1036 | 1035 | 1036 |
| 2/2/2019 9:36 | 1036 | 1036 | 1035 | 1036 |
| 2/2/2019 10:39 | 1035 | 1036 | 1035 | 1036 |
| 2/2/2019 11:35 | 1035 | 1035 | 1035 | 1035 |
| 2/2/2019 12:38 | 1035 | 1035 | 1033 | 1035 |
| 2/2/2019 13:34 | 1035 | 1035 | 1032 | 1033 |
| 2/2/2019 14:00 | 1035 | 1035 | 1032 | 1033 |
| 2/2/2019 15:00 | 1035 | 1035 | 1033 | 1034 |
| 2/2/2019 16:36 | 1035 | 1035 | 1034 | 1034 |
| 2/2/2019 17:39 | 1034 | 1035 | 1033 | 1034 |
| 2/2/2019 18:35 | 1032 | 1034 | 1034 | 1034 |
| 2/2/2019 19:00 | 1032 | 1032 | 1034 | 1034 |
| 2/2/2019 20:00 | 1032 | 1033 | 1034 | 1035 |
| 2/2/2019 21:00 | 1033 | 1034 | 1035 | 1036 |
| 2/2/2019 22:40 | 1033 | 1034 | 1036 | 1036 |
| 2/2/2019 23:00 | 1033 | 1034 | 1036 | 1036 |
| 2/3/2019 0:00 | 1034 | 1034 | 1036 | 1036 |
| 2/3/2019 1:00 | 1034 | 1035 | 1036 | 1036 |
| 2/3/2019 2:00 | 1035 | 1035 | 1036 | 1036 |
| 2/3/2019 3:00 | 1035 | 1035 | 1036 | 1036 |
| 2/3/2019 4:00 | 1035 | 1036 | 1035 | 1036 |
| 2/3/2019 5:00 | 1036 | 1036 | 1035 | 1035 |
| 2/3/2019 6:36 | 1035 | 1036 | 1035 | 1035 |
| 2/3/2019 7:00 | 1035 | 1036 | 1035 | 1036 |
| 2/3/2019 8:35 | 1036 | 1036 | 1035 | 1036 |
| 2/3/2019 9:38 | 1035 | 1036 | 1035 | 1035 |
| 2/3/2019 10:48 | 1035 | 1035 | 1035 | 1035 |
| 2/3/2019 11:37 | 1035 | 1035 | 1034 | 1035 |
| 2/3/2019 12:40 | 1035 | 1035 | 1032 | 1034 |
| 2/3/2019 13:00 | 1035 | 1035 | 1032 | 1033 |
| 2/3/2019 14:00 | 1035 | 1035 | 1032 | 1032 |
| 2/3/2019 15:35 | 1035 | 1035 | 1032 | 1032 |
| 2/3/2019 16:38 | 1035 | 1035 | 1032 | 1032 |
| 2/3/2019 17:34 | 1035 | 1035 | 1032 | 1032 |
| 2/3/2019 18:37 | 1035 | 1035 | 1031 | 1032 |
| 2/3/2019 19:40 | 1034 | 1035 | 1030 | 1031 |
| 2/3/2019 20:36 | 1033 | 1034 | 1029 | 1030 |
| 2/3/2019 21:39 | 1032 | 1033 | 1029 | 1029 |
| 2/3/2019 22:35 | 1032 | 1032 | 1029 | 1029 |
| 2/3/2019 23:38 | 1032 | 1032 | 1029 | 1030 |

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 |
| 2/4/2019 0:00 | 1032 | 1032 | 1030 | 1031 |
| 2/4/2019 1:00 | 1032 | 1032 | 1030 | 1031 |
| 2/4/2019 2:40 | 1031 | 1032 | 1029 | 1030 |
| 2/4/2019 3:37 | 1030 | 1031 | 1027 | 1029 |
| 2/4/2019 4:39 | 1029 | 1030 | 1027 | 1028 |
| 2/4/2019 5:35 | 1029 | 1029 | 1028 | 1028 |
| 2/4/2019 6:00 | 1029 | 1029 | 1028 | 1028 |
| 2/4/2019 7:00 | 1029 | 1029 | 1027 | 1028 |
| 2/4/2019 8:00 | 1029 | 1030 | 1026 | 1027 |
| 2/4/2019 9:40 | 1030 | 1030 | 1026 | 1026 |
| 2/4/2019 10:36 | 1028 | 1030 | 1026 | 1026 |
| 2/4/2019 11:39 | 1027 | 1028 | 1026 | 1026 |
| 2/4/2019 12:00 | 1027 | 1027 | 1026 | 1026 |
| 2/4/2019 13:00 | 1027 | 1028 | 1026 | 1027 |
| 2/4/2019 14:34 | 1027 | 1028 | 1026 | 1027 |
| 2/4/2019 15:37 | 1026 | 1027 | 1027 | 1028 |
| 2/4/2019 16:40 | 1026 | 1026 | 1028 | 1028 |
| 2/4/2019 17:37 | 1026 | 1026 | 1028 | 1028 |
| 2/4/2019 18:00 | 1026 | 1026 | 1028 | 1028 |
| 2/4/2019 19:00 | 1026 | 1026 | 1028 | 1028 |
| 2/4/2019 20:00 | 1026 | 1026 | 1028 | 1028 |
| 2/4/2019 21:00 | 1026 | 1026 | 1028 | 1028 |
| 2/4/2019 22:00 | 1026 | 1027 | 1028 | 1028 |
| 2/4/2019 23:00 | 1027 | 1028 | 1028 | 1028 |
| 2/5/2019 0:00 | 1028 | 1028 | 1028 | 1031 |
| 2/5/2019 1:00 | 1028 | 1028 | 1031 | 1032 |
| 2/5/2019 2:35 | 1028 | 1028 | 1032 | 1033 |
| 2/5/2019 3:00 | 1028 | 1028 | 1031 | 1033 |
| 2/5/2019 4:34 | 1028 | 1028 | 1028 | 1031 |
| 2/5/2019 5:37 | 1027 | 1028 | 1028 | 1028 |
| 2/5/2019 6:00 | 1027 | 1027 | 1028 | 1028 |
| 2/5/2019 7:00 | 1027 | 1030 | 1028 | 1028 |
| 2/5/2019 8:00 | 1030 | 1032 | 1028 | 1028 |
| 2/5/2019 9:00 | 1032 | 1032 | 1028 | 1028 |
| 2/5/2019 10:45 | 1030 | 1032 | 1028 | 1028 |
| 2/5/2019 11:34 | 1028 | 1030 | 1028 | 1028 |
| 2/5/2019 12:37 | 1028 | 1028 | 1028 | 1028 |
| 2/5/2019 13:00 | 1028 | 1028 | 1028 | 1028 |
| 2/5/2019 14:00 | 1028 | 1028 | 1028 | 1028 |
| 2/5/2019 15:00 | 1028 | 1028 | 1028 | 1028 |
| 2/5/2019 16:35 | 1028 | 1028 | 1028 | 1028 |
| 2/5/2019 17:00 | 1028 | 1028 | 1028 | 1028 |
| 2/5/2019 18:34 | 1028 | 1028 | 1028 | 1028 |
| 2/5/2019 19:37 | 1028 | 1028 | 1028 | 1029 |
| 2/5/2019 20:40 | 1027 | 1028 | 1029 | 1029 |
| 2/5/2019 21:00 | 1027 | 1027 | 1029 | 1029 |
| 2/5/2019 22:00 | 1027 | 1028 | 1029 | 1029 |
| 2/5/2019 23:00 | 1028 | 1028 | 1028 | 1029 |
| 2/6/2019 0:00 | 1028 | 1028 | 1028 | 1029 |
| 2/6/2019 1:00 | 1028 | 1028 | 1029 | 1029 |
| 2/6/2019 2:00 | 1028 | 1029 | 1029 | 1030 |
| 2/6/2019 3:00 | 1029 | 1029 | 1029 | 1029 |
| 2/6/2019 4:36 | 1028 | 1029 | 1029 | 1029 |
| 2/6/2019 5:39 | 1028 | 1028 | 1029 | 1029 |
| 2/6/2019 6:35 | 1028 | 1028 | 1029 | 1029 |
| 2/6/2019 7:00 | 1028 | 1029 | 1028 | 1029 |
| 2/6/2019 8:00 | 1029 | 1029 | 1028 | 1029 |
| 2/6/2019 9:37 | 1028 | 1029 | 1029 | 1029 |
| 2/6/2019 10:00 | 1028 | 1029 | 1029 | 1029 |
| 2/6/2019 11:36 | 1029 | 1029 | 1028 | 1029 |
| 2/6/2019 12:39 | 1028 | 1029 | 1028 | 1028 |
| 2/6/2019 13:35 | 1028 | 1028 | 1028 | 1028 |
| 2/6/2019 14:00 | 1028 | 1029 | 1028 | 1028 |
| 2/6/2019 15:00 | 1029 | 1029 | 1028 | 1028 |
| 2/6/2019 16:37 | 1028 | 1029 | 1027 | 1028 |
| 2/6/2019 17:40 | 1028 | 1028 | 1027 | 1028 |
| 2/6/2019 18:36 | 1028 | 1028 | 1027 | 1027 |
| 2/6/2019 19:39 | 1028 | 1028 | 1027 | 1027 |
| 2/6/2019 20:00 | 1028 | 1028 | 1027 | 1027 |
| 2/6/2019 21:00 | 1028 | 1028 | 1026 | 1027 |
| 2/6/2019 22:34 | 1028 | 1028 | 1026 | 1027 |
| 2/6/2019 23:37 | 1027 | 1028 | 1026 | 1027 |
| 2/7/2019 0:40 | 1027 | 1027 | 1026 | 1030 |
| 2/7/2019 1:36 | 1027 | 1027 | 1030 | 1031 |
| 2/7/2019 2:39 | 1027 | 1027 | 1030 | 1031 |
| 2/7/2019 3:35 | 1026 | 1027 | 1031 | 1032 |
| 2/7/2019 4:38 | 1026 | 1026 | 1032 | 1032 |
| 2/7/2019 5:00 | 1026 | 1027 | 1032 | 1032 |
| 2/7/2019 6:37 | 1026 | 1027 | 1028 | 1032 |
| 2/7/2019 7:00 | 1026 | 1028 | 1028 | 1028 |

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Monthly Heating Values Report

| Date/Time | Viking Gas Transmission (Fargo) | | Williston Basin Interstate (Mapleton) | |
|-----------------|------------------------------------|---------|--|---------|
| | Min BTU | Max BTU | Min BTU | Max BTU |
| 2/7/2019 8:00 | 1028 | 1030 | 1027 | 1028 |
| 2/7/2019 9:00 | 1030 | 1031 | 1027 | 1028 |
| 2/7/2019 10:00 | 1031 | 1032 | 1027 | 1027 |
| 2/7/2019 11:38 | 1032 | 1032 | 1026 | 1027 |
| 2/7/2019 12:34 | 1028 | 1032 | 1026 | 1026 |
| 2/7/2019 13:37 | 1027 | 1028 | 1025 | 1026 |
| 2/7/2019 14:40 | 1027 | 1027 | 1025 | 1026 |
| 2/7/2019 15:36 | 1027 | 1027 | 1025 | 1026 |
| 2/7/2019 16:39 | 1026 | 1027 | 1025 | 1026 |
| 2/7/2019 17:35 | 1026 | 1026 | 1025 | 1026 |
| 2/7/2019 18:38 | 1025 | 1026 | 1025 | 1026 |
| 2/7/2019 19:00 | 1025 | 1025 | 1025 | 1026 |
| 2/7/2019 20:37 | 1025 | 1025 | 1025 | 1025 |
| 2/7/2019 21:00 | 1025 | 1025 | 1025 | 1025 |
| 2/7/2019 22:37 | 1025 | 1025 | 1025 | 1025 |
| 2/7/2019 23:39 | 1025 | 1025 | 1025 | 1026 |
| 2/8/2019 0:35 | 1025 | 1025 | 1025 | 1026 |
| 2/8/2019 1:38 | 1025 | 1025 | 1025 | 1026 |
| 2/8/2019 2:34 | 1025 | 1025 | 1026 | 1026 |
| 2/8/2019 3:00 | 1025 | 1025 | 1026 | 1026 |
| 2/8/2019 4:40 | 1025 | 1025 | 1026 | 1026 |
| 2/8/2019 5:00 | 1025 | 1025 | 1026 | 1026 |
| 2/8/2019 6:39 | 1025 | 1025 | 1025 | 1026 |
| 2/8/2019 7:00 | 1025 | 1025 | 1025 | 1025 |
| 2/8/2019 8:00 | 1025 | 1026 | 1024 | 1025 |
| 2/8/2019 9:34 | 1026 | 1026 | 1024 | 1024 |
| 2/8/2019 10:37 | 1025 | 1026 | 1023 | 1024 |
| 2/8/2019 11:40 | 1025 | 1025 | 1023 | 1023 |
| 2/8/2019 12:36 | 1025 | 1025 | 1023 | 1023 |
| 2/8/2019 13:39 | 1024 | 1025 | 1023 | 1023 |
| 2/8/2019 14:37 | 1024 | 1024 | 1023 | 1023 |
| 2/8/2019 15:45 | 1023 | 1024 | 1023 | 1023 |
| 2/8/2019 16:34 | 1023 | 1023 | 1023 | 1024 |
| 2/8/2019 17:37 | 1022 | 1023 | 1024 | 1024 |
| 2/8/2019 18:40 | 1022 | 1022 | 1024 | 1024 |
| 2/8/2019 19:00 | 1022 | 1022 | 1024 | 1024 |
| 2/8/2019 20:00 | 1022 | 1023 | 1024 | 1024 |
| 2/8/2019 21:00 | 1023 | 1023 | 1024 | 1024 |
| 2/8/2019 22:00 | 1023 | 1024 | 1024 | 1025 |
| 2/8/2019 23:00 | 1024 | 1024 | 1025 | 1025 |
| 2/9/2019 0:00 | 1024 | 1024 | 1025 | 1027 |
| 2/9/2019 1:40 | 1024 | 1024 | 1027 | 1027 |
| 2/9/2019 2:00 | 1024 | 1024 | 1026 | 1027 |
| 2/9/2019 3:00 | 1024 | 1024 | 1025 | 1026 |
| 2/9/2019 4:00 | 1024 | 1025 | 1024 | 1025 |
| 2/9/2019 5:00 | 1025 | 1027 | 1024 | 1024 |
| 2/9/2019 6:00 | 1027 | 1027 | 1024 | 1025 |
| 2/9/2019 7:37 | 1026 | 1027 | 1024 | 1024 |
| 2/9/2019 8:40 | 1025 | 1026 | 1024 | 1024 |
| 2/9/2019 9:36 | 1024 | 1025 | 1024 | 1024 |
| 2/9/2019 10:39 | 1024 | 1024 | 1024 | 1024 |
| 2/9/2019 11:00 | 1024 | 1024 | 1024 | 1024 |
| 2/9/2019 12:38 | 1024 | 1024 | 1023 | 1024 |
| 2/9/2019 13:34 | 1024 | 1024 | 1022 | 1023 |
| 2/9/2019 14:37 | 1024 | 1024 | 1021 | 1022 |
| 2/9/2019 15:47 | 1024 | 1024 | 1021 | 1021 |
| 2/9/2019 16:37 | 1023 | 1024 | 1021 | 1023 |
| 2/9/2019 17:39 | 1023 | 1023 | 1023 | 1024 |
| 2/9/2019 18:35 | 1023 | 1023 | 1024 | 1024 |
| 2/9/2019 19:38 | 1022 | 1023 | 1024 | 1025 |
| 2/9/2019 20:34 | 1021 | 1022 | 1025 | 1025 |
| 2/9/2019 21:00 | 1021 | 1021 | 1025 | 1026 |
| 2/9/2019 22:00 | 1021 | 1022 | 1026 | 1027 |
| 2/9/2019 23:00 | 1022 | 1023 | 1027 | 1027 |
| 2/10/2019 0:00 | 1023 | 1024 | 1027 | 1027 |
| 2/10/2019 1:00 | 1024 | 1025 | 1026 | 1027 |
| 2/10/2019 2:00 | 1025 | 1025 | 1026 | 1026 |
| 2/10/2019 3:00 | 1025 | 1026 | 1026 | 1026 |
| 2/10/2019 4:00 | 1026 | 1027 | 1025 | 1026 |
| 2/10/2019 5:40 | 1027 | 1027 | 1025 | 1025 |
| 2/10/2019 6:36 | 1026 | 1027 | 1025 | 1025 |
| 2/10/2019 7:39 | 1026 | 1026 | 1025 | 1025 |
| 2/10/2019 8:35 | 1026 | 1026 | 1025 | 1026 |
| 2/10/2019 9:38 | 1025 | 1026 | 1026 | 1026 |
| 2/10/2019 10:34 | 1025 | 1025 | 1026 | 1026 |
| 2/10/2019 11:37 | 1025 | 1025 | 1026 | 1026 |
| 2/10/2019 12:00 | 1025 | 1025 | 1026 | 1027 |
| 2/10/2019 13:00 | 1025 | 1025 | 1027 | 1027 |
| 2/10/2019 14:00 | 1025 | 1026 | 1027 | 1027 |
| 2/10/2019 15:57 | 1026 | 1026 | 1027 | 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 |
| 2/10/2019 16:00 | 1026 | 1026 | 1027 | 1027 |
| 2/10/2019 17:00 | 1026 | 1026 | 1027 | 1027 |
| 2/10/2019 18:00 | 1026 | 1027 | 1026 | 1027 |
| 2/10/2019 19:00 | 1027 | 1027 | 1024 | 1026 |
| 2/10/2019 20:00 | 1027 | 1027 | 1023 | 1024 |
| 2/10/2019 21:39 | 1027 | 1027 | 1023 | 1023 |
| 2/10/2019 22:35 | 1027 | 1027 | 1022 | 1023 |
| 2/10/2019 23:38 | 1027 | 1027 | 1022 | 1022 |
| 2/11/2019 0:41 | 1026 | 1027 | 1022 | 1022 |
| 2/11/2019 1:37 | 1024 | 1026 | 1022 | 1022 |
| 2/11/2019 2:40 | 1023 | 1024 | 1022 | 1022 |
| 2/11/2019 3:36 | 1023 | 1023 | 1022 | 1022 |
| 2/11/2019 4:39 | 1022 | 1023 | 1022 | 1022 |
| 2/11/2019 5:35 | 1022 | 1022 | 1022 | 1022 |
| 2/11/2019 6:38 | 1022 | 1022 | 1022 | 1022 |
| 2/11/2019 7:34 | 1022 | 1022 | 1021 | 1022 |
| 2/11/2019 8:37 | 1022 | 1022 | 1021 | 1021 |
| 2/11/2019 9:00 | 1022 | 1022 | 1021 | 1021 |
| 2/11/2019 10:00 | 1022 | 1022 | 1021 | 1022 |
| 2/11/2019 11:39 | 1022 | 1022 | 1021 | 1022 |
| 2/11/2019 12:35 | 1021 | 1022 | 1022 | 1022 |
| 2/11/2019 13:38 | 1021 | 1021 | 1022 | 1022 |
| 2/11/2019 14:34 | 1021 | 1021 | 1022 | 1022 |
| 2/11/2019 15:37 | 1021 | 1021 | 1022 | 1022 |
| 2/11/2019 16:00 | 1021 | 1021 | 1022 | 1022 |
| 2/11/2019 17:00 | 1021 | 1021 | 1022 | 1022 |
| 2/11/2019 18:00 | 1021 | 1021 | 1022 | 1022 |
| 2/11/2019 19:00 | 1021 | 1021 | 1021 | 1022 |
| 2/11/2019 20:00 | 1021 | 1022 | 1021 | 1022 |
| 2/11/2019 21:00 | 1022 | 1022 | 1021 | 1021 |
| 2/11/2019 22:00 | 1022 | 1022 | 1021 | 1022 |
| 2/11/2019 23:40 | 1022 | 1022 | 1021 | 1022 |
| 2/12/2019 0:37 | 1022 | 1022 | 1022 | 1022 |
| 2/12/2019 1:39 | 1021 | 1022 | 1022 | 1023 |
| 2/12/2019 2:35 | 1021 | 1021 | 1023 | 1023 |
| 2/12/2019 3:38 | 1021 | 1021 | 1022 | 1023 |
| 2/12/2019 4:34 | 1021 | 1021 | 1022 | 1022 |
| 2/12/2019 5:00 | 1021 | 1021 | 1022 | 1022 |
| 2/12/2019 6:00 | 1021 | 1022 | 1022 | 1022 |
| 2/12/2019 7:00 | 1022 | 1022 | 1022 | 1022 |
| 2/12/2019 8:00 | 1022 | 1023 | 1022 | 1022 |
| 2/12/2019 9:35 | 1022 | 1023 | 1022 | 1023 |
| 2/12/2019 10:38 | 1022 | 1022 | 1023 | 1023 |
| 2/12/2019 11:34 | 1022 | 1022 | 1023 | 1023 |
| 2/12/2019 12:37 | 1022 | 1022 | 1023 | 1023 |
| 2/12/2019 13:40 | 1022 | 1022 | 1023 | 1023 |
| 2/12/2019 14:00 | 1022 | 1022 | 1023 | 1023 |
| 2/12/2019 15:00 | 1022 | 1022 | 1023 | 1023 |
| 2/12/2019 16:00 | 1022 | 1022 | 1023 | 1023 |
| 2/12/2019 17:00 | 1022 | 1022 | 1023 | 1023 |
| 2/12/2019 18:00 | 1022 | 1022 | 1023 | 1023 |
| 2/12/2019 19:00 | 1022 | 1022 | 1023 | 1023 |
| 2/12/2019 20:00 | 1022 | 1022 | 1023 | 1023 |
| 2/12/2019 21:00 | 1022 | 1023 | 1023 | 1023 |
| 2/12/2019 22:00 | 1023 | 1023 | 1023 | 1023 |
| 2/12/2019 23:00 | 1023 | 1023 | 1023 | 1023 |
| 2/13/2019 0:00 | 1023 | 1023 | 1023 | 1023 |
| 2/13/2019 1:34 | 1023 | 1023 | 1023 | 1023 |
| 2/13/2019 2:37 | 1023 | 1023 | 1023 | 1023 |
| 2/13/2019 3:40 | 1023 | 1023 | 1022 | 1023 |
| 2/13/2019 4:36 | 1023 | 1023 | 1022 | 1022 |
| 2/13/2019 5:39 | 1023 | 1023 | 1022 | 1022 |
| 2/13/2019 6:00 | 1023 | 1023 | 1022 | 1023 |
| 2/13/2019 7:38 | 1023 | 1023 | 1023 | 1023 |
| 2/13/2019 8:34 | 1023 | 1023 | 1023 | 1023 |
| 2/13/2019 9:37 | 1023 | 1023 | 1023 | 1023 |
| 2/13/2019 10:40 | 1022 | 1023 | 1023 | 1023 |
| 2/13/2019 11:37 | 1022 | 1022 | 1023 | 1023 |
| 2/13/2019 12:39 | 1022 | 1022 | 1022 | 1023 |
| 2/13/2019 13:00 | 1022 | 1022 | 1022 | 1022 |
| 2/13/2019 14:00 | 1022 | 1023 | 1022 | 1022 |
| 2/13/2019 15:00 | 1023 | 1023 | 1022 | 1023 |
| 2/13/2019 16:00 | 1023 | 1023 | 1023 | 1023 |
| 2/13/2019 17:40 | 1023 | 1023 | 1022 | 1023 |
| 2/13/2019 18:36 | 1023 | 1023 | 1023 | 1023 |
| 2/13/2019 19:39 | 1022 | 1023 | 1023 | 1023 |
| 2/13/2019 20:35 | 1022 | 1022 | 1023 | 1023 |
| 2/13/2019 21:00 | 1022 | 1022 | 1023 | 1023 |
| 2/13/2019 22:00 | 1022 | 1022 | 1023 | 1023 |
| 2/13/2019 23:00 | 1022 | 1022 | 1023 | 1024 |

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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 |
| 2/14/2019 0:40 | 1022 | 1022 | 1024 | 1024 |
| 2/14/2019 1:00 | 1022 | 1023 | 1024 | 1024 |
| 2/14/2019 2:00 | 1023 | 1023 | 1024 | 1024 |
| 2/14/2019 3:00 | 1023 | 1023 | 1024 | 1024 |
| 2/14/2019 4:00 | 1023 | 1023 | 1024 | 1024 |
| 2/14/2019 5:00 | 1023 | 1023 | 1024 | 1024 |
| 2/14/2019 6:00 | 1023 | 1023 | 1024 | 1024 |
| 2/14/2019 7:00 | 1023 | 1023 | 1024 | 1031 |
| 2/14/2019 8:36 | 1023 | 1023 | 1024 | 1025 |
| 2/14/2019 9:00 | 1023 | 1024 | 1025 | 1025 |
| 2/14/2019 10:00 | 1024 | 1024 | 1025 | 1025 |
| 2/14/2019 11:38 | 1024 | 1024 | 1024 | 1025 |
| 2/14/2019 12:00 | 1024 | 1024 | 1024 | 1024 |
| 2/14/2019 13:00 | 1024 | 1024 | 1024 | 1024 |
| 2/14/2019 14:00 | 1024 | 1025 | 1024 | 1024 |
| 2/14/2019 15:00 | 1025 | 1025 | 1024 | 1025 |
| 2/14/2019 16:39 | 1025 | 1025 | 1025 | 1026 |
| 2/14/2019 17:35 | 1024 | 1025 | 1026 | 1026 |
| 2/14/2019 18:38 | 1024 | 1024 | 1026 | 1026 |
| 2/14/2019 19:34 | 1024 | 1024 | 1026 | 1026 |
| 2/14/2019 20:00 | 1024 | 1024 | 1026 | 1027 |
| 2/14/2019 21:00 | 1024 | 1024 | 1026 | 1027 |
| 2/14/2019 22:00 | 1024 | 1025 | 1026 | 1027 |
| 2/14/2019 23:00 | 1025 | 1026 | 1026 | 1027 |
| 2/15/2019 0:00 | 1026 | 1026 | 1026 | 1027 |
| 2/15/2019 1:38 | 1026 | 1026 | 1026 | 1026 |
| 2/15/2019 2:00 | 1026 | 1026 | 1025 | 1026 |
| 2/15/2019 3:00 | 1026 | 1027 | 1025 | 1025 |
| 2/15/2019 4:40 | 1026 | 1027 | 1025 | 1025 |
| 2/15/2019 5:36 | 1026 | 1026 | 1025 | 1025 |
| 2/15/2019 6:00 | 1026 | 1026 | 1025 | 1025 |
| 2/15/2019 7:35 | 1026 | 1026 | 1023 | 1025 |
| 2/15/2019 8:38 | 1025 | 1026 | 1023 | 1025 |
| 2/15/2019 9:42 | 1025 | 1025 | 1025 | 1026 |
| 2/15/2019 10:37 | 1025 | 1025 | 1026 | 1026 |
| 2/15/2019 11:00 | 1025 | 1025 | 1026 | 1026 |
| 2/15/2019 12:00 | 1025 | 1025 | 1026 | 1026 |
| 2/15/2019 13:39 | 1024 | 1025 | 1026 | 1026 |
| 2/15/2019 14:00 | 1024 | 1025 | 1025 | 1026 |
| 2/15/2019 15:00 | 1025 | 1026 | 1024 | 1025 |
| 2/15/2019 16:00 | 1026 | 1026 | 1024 | 1025 |
| 2/15/2019 17:00 | 1026 | 1026 | 1024 | 1024 |
| 2/15/2019 18:40 | 1026 | 1026 | 1024 | 1024 |
| 2/15/2019 19:57 | 1025 | 1026 | 1024 | 1024 |
| 2/15/2019 20:39 | 1024 | 1025 | 1024 | 1024 |
| 2/15/2019 21:35 | 1024 | 1024 | 1023 | 1024 |
| 2/15/2019 22:38 | 1024 | 1024 | 1023 | 1023 |
| 2/15/2019 23:34 | 1024 | 1024 | 1023 | 1023 |
| 2/16/2019 0:37 | 1024 | 1024 | 1023 | 1024 |
| 2/16/2019 1:40 | 1023 | 1024 | 1024 | 1024 |
| 2/16/2019 2:36 | 1023 | 1023 | 1024 | 1024 |
| 2/16/2019 3:39 | 1023 | 1023 | 1024 | 1024 |
| 2/16/2019 4:35 | 1023 | 1023 | 1024 | 1024 |
| 2/16/2019 5:00 | 1023 | 1023 | 1024 | 1025 |
| 2/16/2019 6:00 | 1023 | 1024 | 1024 | 1025 |
| 2/16/2019 7:00 | 1024 | 1024 | 1024 | 1024 |
| 2/16/2019 8:00 | 1024 | 1024 | 1024 | 1024 |
| 2/16/2019 9:00 | 1024 | 1024 | 1023 | 1024 |
| 2/16/2019 10:00 | 1024 | 1024 | 1023 | 1023 |
| 2/16/2019 11:35 | 1024 | 1024 | 1023 | 1023 |
| 2/16/2019 12:38 | 1024 | 1024 | 1023 | 1023 |
| 2/16/2019 13:34 | 1024 | 1024 | 1023 | 1023 |
| 2/16/2019 14:44 | 1023 | 1024 | 1023 | 1023 |
| 2/16/2019 15:40 | 1023 | 1023 | 1023 | 1023 |
| 2/16/2019 16:36 | 1023 | 1023 | 1023 | 1023 |
| 2/16/2019 17:39 | 1023 | 1023 | 1023 | 1023 |
| 2/16/2019 18:35 | 1023 | 1023 | 1023 | 1023 |
| 2/16/2019 19:00 | 1023 | 1023 | 1023 | 1023 |
| 2/16/2019 20:34 | 1023 | 1023 | 1023 | 1023 |
| 2/16/2019 21:37 | 1023 | 1023 | 1023 | 1023 |
| 2/16/2019 22:40 | 1023 | 1023 | 1023 | 1024 |
| 2/16/2019 23:00 | 1023 | 1023 | 1024 | 1024 |
| 2/17/2019 0:00 | 1023 | 1023 | 1024 | 1024 |
| 2/17/2019 1:00 | 1023 | 1023 | 1024 | 1024 |
| 2/17/2019 2:00 | 1023 | 1023 | 1024 | 1024 |
| 2/17/2019 3:00 | 1023 | 1023 | 1024 | 1024 |
| 2/17/2019 4:00 | 1023 | 1023 | 1024 | 1024 |
| 2/17/2019 5:00 | 1023 | 1024 | 1024 | 1024 |
| 2/17/2019 6:00 | 1024 | 1024 | 1024 | 1024 |
| 2/17/2019 7:00 | 1024 | 1024 | 1024 | 1024 |

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 |
| 2/17/2019 8:00 | 1024 | 1024 | 1024 | 1024 |
| 2/17/2019 9:00 | 1024 | 1024 | 1024 | 1024 |
| 2/17/2019 10:34 | 1024 | 1024 | 1024 | 1024 |
| 2/17/2019 11:37 | 1024 | 1024 | 1024 | 1024 |
| 2/17/2019 12:40 | 1024 | 1024 | 1024 | 1025 |
| 2/17/2019 13:36 | 1023 | 1024 | 1024 | 1025 |
| 2/17/2019 14:53 | 1023 | 1023 | 1024 | 1025 |
| 2/17/2019 15:00 | 1023 | 1024 | 1024 | 1024 |
| 2/17/2019 16:00 | 1024 | 1024 | 1024 | 1025 |
| 2/17/2019 17:00 | 1024 | 1024 | 1025 | 1025 |
| 2/17/2019 18:00 | 1024 | 1024 | 1025 | 1025 |
| 2/17/2019 19:00 | 1024 | 1024 | 1025 | 1025 |
| 2/17/2019 20:36 | 1024 | 1024 | 1025 | 1025 |
| 2/17/2019 21:39 | 1024 | 1024 | 1025 | 1025 |
| 2/17/2019 22:35 | 1024 | 1024 | 1025 | 1025 |
| 2/17/2019 23:00 | 1024 | 1024 | 1025 | 1027 |
| 2/18/2019 0:41 | 1024 | 1024 | 1027 | 1027 |
| 2/18/2019 1:37 | 1024 | 1024 | 1027 | 1028 |
| 2/18/2019 2:00 | 1024 | 1025 | 1028 | 1028 |
| 2/18/2019 3:00 | 1025 | 1025 | 1028 | 1028 |
| 2/18/2019 4:00 | 1025 | 1025 | 1028 | 1028 |
| 2/18/2019 5:00 | 1025 | 1025 | 1028 | 1028 |
| 2/18/2019 6:00 | 1025 | 1027 | 1028 | 1028 |
| 2/18/2019 7:00 | 1027 | 1027 | 1028 | 1028 |
| 2/18/2019 8:00 | 1027 | 1028 | 1028 | 1028 |
| 2/18/2019 9:00 | 1028 | 1028 | 1028 | 1028 |
| 2/18/2019 10:37 | 1028 | 1028 | 1028 | 1028 |
| 2/18/2019 11:00 | 1028 | 1028 | 1028 | 1028 |
| 2/18/2019 12:35 | 1028 | 1028 | 1028 | 1028 |
| 2/18/2019 13:38 | 1028 | 1028 | 1027 | 1028 |
| 2/18/2019 14:00 | 1028 | 1028 | 1027 | 1027 |
| 2/18/2019 15:00 | 1028 | 1028 | 1026 | 1027 |
| 2/18/2019 16:00 | 1028 | 1028 | 1026 | 1026 |
| 2/18/2019 17:36 | 1028 | 1028 | 1026 | 1026 |
| 2/18/2019 18:39 | 1028 | 1028 | 1025 | 1026 |
| 2/18/2019 19:35 | 1027 | 1028 | 1025 | 1026 |
| 2/18/2019 20:38 | 1027 | 1027 | 1026 | 1026 |
| 2/18/2019 21:34 | 1026 | 1027 | 1026 | 1026 |
| 2/18/2019 22:37 | 1026 | 1026 | 1026 | 1026 |
| 2/18/2019 23:40 | 1026 | 1026 | 1026 | 1026 |
| 2/19/2019 0:36 | 1025 | 1026 | 1026 | 1026 |
| 2/19/2019 1:00 | 1025 | 1025 | 1026 | 1026 |
| 2/19/2019 2:00 | 1025 | 1025 | 1026 | 1026 |
| 2/19/2019 3:00 | 1025 | 1026 | 1026 | 1026 |
| 2/19/2019 4:34 | 1026 | 1026 | 1026 | 1027 |
| 2/19/2019 5:00 | 1026 | 1026 | 1027 | 1027 |
| 2/19/2019 6:40 | 1026 | 1026 | 1027 | 1028 |
| 2/19/2019 7:00 | 1026 | 1026 | 1028 | 1028 |
| 2/19/2019 8:00 | 1026 | 1026 | 1028 | 1028 |
| 2/19/2019 9:00 | 1026 | 1026 | 1028 | 1028 |
| 2/19/2019 10:00 | 1026 | 1026 | 1028 | 1028 |
| 2/19/2019 11:00 | 1026 | 1026 | 1028 | 1029 |
| 2/19/2019 12:00 | 1026 | 1027 | 1028 | 1029 |
| 2/19/2019 13:00 | 1027 | 1028 | 1029 | 1029 |
| 2/19/2019 14:00 | 1028 | 1028 | 1029 | 1029 |
| 2/19/2019 15:00 | 1028 | 1028 | 1029 | 1029 |
| 2/19/2019 16:00 | 1028 | 1028 | 1029 | 1029 |
| 2/19/2019 17:00 | 1028 | 1028 | 1029 | 1029 |
| 2/19/2019 18:00 | 1028 | 1028 | 1029 | 1029 |
| 2/19/2019 19:00 | 1028 | 1028 | 1028 | 1029 |
| 2/19/2019 20:00 | 1028 | 1028 | 1028 | 1029 |
| 2/19/2019 21:36 | 1028 | 1028 | 1029 | 1029 |
| 2/19/2019 22:00 | 1028 | 1028 | 1029 | 1029 |
| 2/19/2019 23:35 | 1028 | 1028 | 1029 | 1029 |
| 2/20/2019 0:38 | 1028 | 1028 | 1029 | 1029 |
| 2/20/2019 1:34 | 1028 | 1028 | 1028 | 1029 |
| 2/20/2019 2:00 | 1028 | 1028 | 1028 | 1029 |
| 2/20/2019 3:00 | 1028 | 1029 | 1028 | 1029 |
| 2/20/2019 4:00 | 1029 | 1029 | 1029 | 1029 |
| 2/20/2019 5:00 | 1029 | 1029 | 1029 | 1029 |
| 2/20/2019 6:35 | 1028 | 1029 | 1029 | 1030 |
| 2/20/2019 7:38 | 1028 | 1028 | 1029 | 1030 |
| 2/20/2019 8:34 | 1028 | 1028 | 1029 | 1029 |
| 2/20/2019 9:00 | 1028 | 1029 | 1029 | 1029 |
| 2/20/2019 10:00 | 1029 | 1029 | 1029 | 1029 |
| 2/20/2019 11:00 | 1029 | 1029 | 1029 | 1030 |
| 2/20/2019 12:00 | 1029 | 1029 | 1030 | 1030 |
| 2/20/2019 13:35 | 1029 | 1029 | 1029 | 1030 |
| 2/20/2019 14:38 | 1029 | 1029 | 1029 | 1029 |
| 2/20/2019 15:34 | 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 |
| 2/20/2019 16:00 | 1029 | 1029 | 1028 | 1029 |
| 2/20/2019 17:00 | 1029 | 1029 | 1028 | 1029 |
| 2/20/2019 18:00 | 1029 | 1029 | 1029 | 1029 |
| 2/20/2019 19:39 | 1029 | 1029 | 1029 | 1030 |
| 2/20/2019 20:35 | 1029 | 1029 | 1030 | 1030 |
| 2/20/2019 21:38 | 1029 | 1029 | 1030 | 1030 |
| 2/20/2019 22:34 | 1029 | 1029 | 1030 | 1030 |
| 2/20/2019 23:37 | 1028 | 1029 | 1030 | 1030 |
| 2/21/2019 0:00 | 1028 | 1029 | 1030 | 1030 |
| 2/21/2019 1:00 | 1029 | 1029 | 1030 | 1030 |
| 2/21/2019 2:00 | 1029 | 1029 | 1030 | 1031 |
| 2/21/2019 3:00 | 1029 | 1029 | 1031 | 1031 |
| 2/21/2019 4:00 | 1029 | 1029 | 1031 | 1031 |
| 2/21/2019 5:00 | 1029 | 1030 | 1031 | 1031 |
| 2/21/2019 6:00 | 1030 | 1030 | 1031 | 1031 |
| 2/21/2019 7:00 | 1030 | 1030 | 1030 | 1031 |
| 2/21/2019 8:00 | 1030 | 1030 | 1030 | 1030 |
| 2/21/2019 9:00 | 1030 | 1030 | 1030 | 1030 |
| 2/21/2019 10:00 | 1030 | 1031 | 1030 | 1030 |
| 2/21/2019 11:00 | 1031 | 1031 | 1030 | 1030 |
| 2/21/2019 12:42 | 1031 | 1031 | 1029 | 1030 |
| 2/21/2019 13:37 | 1030 | 1031 | 1029 | 1030 |
| 2/21/2019 14:40 | 1030 | 1030 | 1030 | 1030 |
| 2/21/2019 15:36 | 1030 | 1030 | 1030 | 1030 |
| 2/21/2019 16:39 | 1030 | 1030 | 1030 | 1030 |
| 2/21/2019 17:35 | 1029 | 1030 | 1030 | 1030 |
| 2/21/2019 18:00 | 1029 | 1029 | 1030 | 1030 |
| 2/21/2019 19:41 | 1029 | 1029 | 1030 | 1030 |
| 2/21/2019 20:00 | 1029 | 1029 | 1030 | 1030 |
| 2/21/2019 21:00 | 1029 | 1030 | 1030 | 1030 |
| 2/21/2019 22:36 | 1030 | 1030 | 1029 | 1030 |
| 2/21/2019 23:39 | 1030 | 1030 | 1029 | 1029 |
| 2/22/2019 0:35 | 1030 | 1030 | 1029 | 1029 |
| 2/22/2019 1:38 | 1029 | 1030 | 1028 | 1029 |
| 2/22/2019 2:34 | 1029 | 1029 | 1028 | 1029 |
| 2/22/2019 3:37 | 1029 | 1029 | 1029 | 1029 |
| 2/22/2019 4:47 | 1029 | 1029 | 1029 | 1030 |
| 2/22/2019 5:36 | 1029 | 1029 | 1030 | 1030 |
| 2/22/2019 6:39 | 1029 | 1029 | 1030 | 1030 |
| 2/22/2019 7:35 | 1029 | 1029 | 1030 | 1030 |
| 2/22/2019 8:38 | 1028 | 1029 | 1030 | 1030 |
| 2/22/2019 9:00 | 1028 | 1028 | 1030 | 1030 |
| 2/22/2019 10:00 | 1028 | 1029 | 1030 | 1030 |
| 2/22/2019 11:00 | 1029 | 1029 | 1030 | 1030 |
| 2/22/2019 12:00 | 1029 | 1030 | 1030 | 1031 |
| 2/22/2019 13:00 | 1030 | 1030 | 1030 | 1030 |
| 2/22/2019 14:35 | 1030 | 1030 | 1030 | 1031 |
| 2/22/2019 15:38 | 1030 | 1030 | 1030 | 1031 |
| 2/22/2019 16:00 | 1030 | 1030 | 1031 | 1031 |
| 2/22/2019 17:00 | 1030 | 1030 | 1031 | 1031 |
| 2/22/2019 18:00 | 1030 | 1030 | 1030 | 1031 |
| 2/22/2019 19:36 | 1030 | 1030 | 1030 | 1031 |
| 2/22/2019 20:39 | 1030 | 1030 | 1030 | 1030 |
| 2/22/2019 21:00 | 1030 | 1030 | 1030 | 1030 |
| 2/22/2019 22:00 | 1030 | 1030 | 1030 | 1030 |
| 2/22/2019 23:34 | 1030 | 1030 | 1030 | 1030 |
| 2/23/2019 0:37 | 1030 | 1030 | 1030 | 1030 |
| 2/23/2019 1:40 | 1030 | 1030 | 1030 | 1030 |
| 2/23/2019 2:36 | 1030 | 1030 | 1030 | 1030 |
| 2/23/2019 3:39 | 1030 | 1030 | 1030 | 1030 |
| 2/23/2019 4:35 | 1030 | 1030 | 1030 | 1030 |
| 2/23/2019 5:38 | 1029 | 1030 | 1030 | 1030 |
| 2/23/2019 6:34 | 1029 | 1029 | 1030 | 1030 |
| 2/23/2019 7:37 | 1029 | 1029 | 1030 | 1030 |
| 2/23/2019 8:00 | 1029 | 1029 | 1030 | 1030 |
| 2/23/2019 9:00 | 1029 | 1029 | 1030 | 1030 |
| 2/23/2019 10:00 | 1029 | 1029 | 1030 | 1030 |
| 2/23/2019 11:00 | 1029 | 1030 | 1030 | 1030 |
| 2/23/2019 12:00 | 1030 | 1030 | 1030 | 1030 |
| 2/23/2019 13:00 | 1030 | 1030 | 1030 | 1030 |
| 2/23/2019 14:00 | 1030 | 1030 | 1030 | 1030 |
| 2/23/2019 15:40 | 1030 | 1030 | 1029 | 1030 |
| 2/23/2019 16:36 | 1030 | 1030 | 1029 | 1030 |
| 2/23/2019 17:39 | 1030 | 1030 | 1029 | 1029 |
| 2/23/2019 18:35 | 1030 | 1030 | 1029 | 1029 |
| 2/23/2019 19:38 | 1030 | 1030 | 1029 | 1029 |
| 2/23/2019 20:34 | 1029 | 1030 | 1029 | 1029 |
| 2/23/2019 21:37 | 1029 | 1029 | 1029 | 1029 |
| 2/23/2019 22:40 | 1029 | 1029 | 1029 | 1029 |
| 2/23/2019 23:37 | 1029 | 1029 | 1028 | 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 |
| 2/24/2019 0:39 | 1029 | 1029 | 1028 | 1028 |
| 2/24/2019 1:35 | 1029 | 1029 | 1028 | 1028 |
| 2/24/2019 2:38 | 1029 | 1029 | 1028 | 1028 |
| 2/24/2019 3:34 | 1029 | 1029 | 1028 | 1028 |
| 2/24/2019 4:00 | 1029 | 1029 | 1028 | 1028 |
| 2/24/2019 5:40 | 1029 | 1029 | 1028 | 1029 |
| 2/24/2019 6:36 | 1028 | 1029 | 1028 | 1029 |
| 2/24/2019 7:39 | 1028 | 1028 | 1028 | 1028 |
| 2/24/2019 8:35 | 1028 | 1028 | 1028 | 1028 |
| 2/24/2019 9:38 | 1028 | 1028 | 1027 | 1028 |
| 2/24/2019 10:00 | 1028 | 1028 | 1027 | 1027 |
| 2/24/2019 11:00 | 1028 | 1028 | 1027 | 1027 |
| 2/24/2019 12:00 | 1028 | 1028 | 1027 | 1027 |
| 2/24/2019 13:36 | 1028 | 1028 | 1026 | 1027 |
| 2/24/2019 14:39 | 1028 | 1028 | 1026 | 1026 |
| 2/24/2019 15:35 | 1027 | 1028 | 1026 | 1026 |
| 2/24/2019 16:38 | 1027 | 1027 | 1026 | 1026 |
| 2/24/2019 17:34 | 1027 | 1027 | 1026 | 1026 |
| 2/24/2019 18:37 | 1027 | 1027 | 1026 | 1026 |
| 2/24/2019 19:40 | 1026 | 1027 | 1025 | 1026 |
| 2/24/2019 20:37 | 1026 | 1026 | 1025 | 1026 |
| 2/24/2019 21:39 | 1026 | 1026 | 1026 | 1026 |
| 2/24/2019 22:35 | 1026 | 1026 | 1026 | 1026 |
| 2/24/2019 23:38 | 1025 | 1026 | 1026 | 1026 |
| 2/25/2019 0:34 | 1025 | 1025 | 1026 | 1026 |
| 2/25/2019 1:37 | 1025 | 1025 | 1026 | 1026 |
| 2/25/2019 2:40 | 1025 | 1025 | 1026 | 1026 |
| 2/25/2019 3:00 | 1025 | 1025 | 1026 | 1026 |
| 2/25/2019 4:00 | 1025 | 1025 | 1026 | 1027 |
| 2/25/2019 5:00 | 1025 | 1026 | 1027 | 1027 |
| 2/25/2019 6:00 | 1026 | 1026 | 1026 | 1027 |
| 2/25/2019 7:00 | 1026 | 1026 | 1026 | 1027 |
| 2/25/2019 8:00 | 1026 | 1026 | 1026 | 1027 |
| 2/25/2019 9:00 | 1026 | 1026 | 1026 | 1026 |
| 2/25/2019 10:00 | 1026 | 1026 | 1026 | 1031 |
| 2/25/2019 11:39 | 1026 | 1026 | 1027 | 1027 |
| 2/25/2019 12:35 | 1026 | 1026 | 1027 | 1027 |
| 2/25/2019 13:00 | 1026 | 1026 | 1027 | 1027 |
| 2/25/2019 14:41 | 1026 | 1026 | 1027 | 1027 |
| 2/25/2019 15:00 | 1026 | 1026 | 1027 | 1027 |
| 2/25/2019 16:00 | 1026 | 1026 | 1027 | 1027 |
| 2/25/2019 17:00 | 1026 | 1027 | 1027 | 1027 |
| 2/25/2019 18:00 | 1027 | 1027 | 1027 | 1027 |
| 2/25/2019 19:00 | 1027 | 1027 | 1027 | 1027 |
| 2/25/2019 20:38 | 1026 | 1027 | 1027 | 1027 |
| 2/25/2019 21:00 | 1026 | 1027 | 1027 | 1027 |
| 2/25/2019 22:00 | 1027 | 1027 | 1027 | 1027 |
| 2/25/2019 23:00 | 1027 | 1027 | 1027 | 1027 |
| 2/26/2019 0:00 | 1027 | 1027 | 1027 | 1028 |
| 2/26/2019 1:39 | 1027 | 1027 | 1026 | 1029 |
| 2/26/2019 2:35 | 1027 | 1027 | 1026 | 1026 |
| 2/26/2019 3:00 | 1027 | 1027 | 1026 | 1026 |
| 2/26/2019 4:00 | 1027 | 1027 | 1026 | 1027 |
| 2/26/2019 5:00 | 1027 | 1027 | 1027 | 1027 |
| 2/26/2019 6:40 | 1026 | 1027 | 1027 | 1027 |
| 2/26/2019 7:00 | 1026 | 1026 | 1026 | 1027 |
| 2/26/2019 8:00 | 1026 | 1026 | 1026 | 1026 |
| 2/26/2019 9:00 | 1026 | 1026 | 1026 | 1026 |
| 2/26/2019 10:38 | 1026 | 1026 | 1026 | 1026 |
| 2/26/2019 11:34 | 1026 | 1026 | 1026 | 1031 |
| 2/26/2019 12:37 | 1026 | 1026 | 1026 | 1026 |
| 2/26/2019 13:40 | 1026 | 1026 | 1026 | 1026 |
| 2/26/2019 14:36 | 1026 | 1026 | 1026 | 1027 |
| 2/26/2019 15:00 | 1026 | 1026 | 1027 | 1027 |
| 2/26/2019 16:35 | 1026 | 1026 | 1027 | 1031 |
| 2/26/2019 17:00 | 1026 | 1026 | 1027 | 1027 |
| 2/26/2019 18:00 | 1026 | 1026 | 1027 | 1027 |
| 2/26/2019 19:00 | 1026 | 1026 | 1027 | 1027 |
| 2/26/2019 20:00 | 1026 | 1026 | 1027 | 1027 |
| 2/26/2019 21:00 | 1026 | 1026 | 1026 | 1027 |
| 2/26/2019 22:00 | 1026 | 1027 | 1026 | 1026 |
| 2/26/2019 23:35 | 1026 | 1027 | 1026 | 1026 |
| 2/27/2019 0:38 | 1026 | 1026 | 1026 | 1026 |
| 2/27/2019 1:00 | 1026 | 1027 | 1026 | 1026 |
| 2/27/2019 2:37 | 1026 | 1027 | 1026 | 1026 |
| 2/27/2019 3:40 | 1026 | 1026 | 1026 | 1026 |
| 2/27/2019 4:36 | 1026 | 1026 | 1026 | 1026 |
| 2/27/2019 5:00 | 1026 | 1026 | 1026 | 1026 |
| 2/27/2019 6:00 | 1026 | 1026 | 1026 | 1026 |
| 2/27/2019 7:00 | 1026 | 1026 | 1026 | 1026 |

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 |
| 2/27/2019 8:00 | 1026 | 1026 | 1026 | 1026 |
| 2/27/2019 9:00 | 1026 | 1026 | 1026 | 1026 |
| 2/27/2019 10:40 | 1026 | 1026 | 1026 | 1026 |
| 2/27/2019 11:36 | 1026 | 1026 | 1026 | 1026 |
| 2/27/2019 12:39 | 1026 | 1026 | 1025 | 1026 |
| 2/27/2019 13:35 | 1026 | 1026 | 1025 | 1026 |
| 2/27/2019 14:38 | 1025 | 1026 | 1025 | 1025 |
| 2/27/2019 15:00 | 1025 | 1026 | 1025 | 1025 |
| 2/27/2019 16:37 | 1026 | 1026 | 1025 | 1025 |
| 2/27/2019 17:40 | 1025 | 1026 | 1025 | 1025 |
| 2/27/2019 18:36 | 1025 | 1025 | 1025 | 1026 |
| 2/27/2019 19:39 | 1025 | 1025 | 1026 | 1026 |
| 2/27/2019 20:00 | 1025 | 1025 | 1026 | 1026 |
| 2/27/2019 21:45 | 1025 | 1025 | 1025 | 1026 |
| 2/27/2019 22:00 | 1025 | 1025 | 1025 | 1025 |
| 2/27/2019 23:00 | 1025 | 1025 | 1025 | 1025 |
| 2/28/2019 0:00 | 1025 | 1026 | 1025 | 1026 |
| 2/28/2019 1:00 | 1026 | 1026 | 1026 | 1026 |
| 2/28/2019 2:39 | 1026 | 1026 | 1026 | 1027 |
| 2/28/2019 3:35 | 1025 | 1026 | 1026 | 1027 |
| 2/28/2019 4:00 | 1025 | 1025 | 1026 | 1026 |
| 2/28/2019 5:00 | 1025 | 1025 | 1026 | 1027 |
| 2/28/2019 6:00 | 1025 | 1026 | 1026 | 1027 |
| 2/28/2019 7:00 | 1026 | 1027 | 1026 | 1027 |
| 2/28/2019 8:36 | 1026 | 1027 | 1026 | 1026 |
| 2/28/2019 9:39 | 1026 | 1026 | 1025 | 1026 |
| 2/28/2019 10:00 | 1026 | 1026 | 1026 | 1026 |
| 2/28/2019 11:00 | 1026 | 1026 | 1026 | 1026 |
| 2/28/2019 12:34 | 1026 | 1026 | 1026 | 1026 |
| 2/28/2019 13:37 | 1026 | 1026 | 1025 | 1026 |
| 2/28/2019 14:40 | 1025 | 1026 | 1025 | 1025 |
| 2/28/2019 15:00 | 1025 | 1026 | 1024 | 1025 |
| 2/28/2019 16:39 | 1026 | 1026 | 1024 | 1025 |
| 2/28/2019 17:35 | 1025 | 1026 | 1025 | 1025 |
| 2/28/2019 18:38 | 1025 | 1025 | 1025 | 1025 |
| 2/28/2019 19:34 | 1024 | 1025 | 1025 | 1025 |
| 2/28/2019 20:37 | 1024 | 1024 | 1025 | 1025 |
| 2/28/2019 21:00 | 1024 | 1024 | 1025 | 1025 |
| 2/28/2019 22:00 | 1024 | 1025 | 1025 | 1025 |
| 2/28/2019 23:39 | 1025 | 1025 | 1024 | 1025 |