



825 Rice Street  
Saint Paul, MN 55117

August 18, 2016

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 July 2016 as required by N.D. Admin. Code 69-09-01-02, part 2.

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

Sincerely,

Jeff Murray  
manager pipeline compliance & standards  
Xcel Energy

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

| Date/Time      | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|----------------|------------------------------------|---------|--|---------|
|                | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 7/1/2016 0:00  | 1025                               | 1025    | 1200                                     | 1200    |
| 7/1/2016 1:00  | 1025                               | 1025    | 1200                                     | 1200    |
| 7/1/2016 2:00  | 1025                               | 1025    | 1200                                     | 1200    |
| 7/1/2016 3:00  | 1025                               | 1025    | 1200                                     | 1200    |
| 7/1/2016 4:00  | 1024                               | 1025    | 1200                                     | 1200    |
| 7/1/2016 5:00  | 1023                               | 1024    | 1200                                     | 1200    |
| 7/1/2016 6:00  | 1022                               | 1023    | 1200                                     | 1200    |
| 7/1/2016 7:00  | 1021                               | 1022    | 1200                                     | 1200    |
| 7/1/2016 8:00  | 1021                               | 1022    | 1200                                     | 1200    |
| 7/1/2016 9:00  | 1021                               | 1022    | 1200                                     | 1200    |
| 7/1/2016 10:00 | 1021                               | 1022    | 1200                                     | 1200    |
| 7/1/2016 11:00 | 1022                               | 1023    | 1200                                     | 1200    |
| 7/1/2016 12:00 | 1021                               | 1023    | 1200                                     | 1200    |
| 7/1/2016 13:00 | 1020                               | 1021    | 1200                                     | 1200    |
| 7/1/2016 14:00 | 1017                               | 1020    | 1200                                     | 1200    |
| 7/1/2016 15:00 | 1016                               | 1017    | 1200                                     | 1200    |
| 7/1/2016 16:00 | 1016                               | 1016    | 1200                                     | 1200    |
| 7/1/2016 17:00 | 1016                               | 1016    | 1200                                     | 1200    |
| 7/1/2016 18:00 | 1016                               | 1016    | 1200                                     | 1200    |
| 7/1/2016 19:00 | 1016                               | 1016    | 1200                                     | 1200    |
| 7/1/2016 20:00 | 1016                               | 1016    | 1200                                     | 1200    |
| 7/1/2016 21:00 | 1016                               | 1017    | 1200                                     | 1200    |
| 7/1/2016 22:00 | 1017                               | 1017    | 1200                                     | 1200    |
| 7/1/2016 23:00 | 1017                               | 1017    | 1200                                     | 1200    |
| 7/2/2016 0:00  | 1017                               | 1018    | 1200                                     | 1200    |
| 7/2/2016 1:00  | 1018                               | 1018    | 1200                                     | 1200    |
| 7/2/2016 2:00  | 1018                               | 1019    | 1200                                     | 1200    |
| 7/2/2016 3:00  | 1019                               | 1020    | 1200                                     | 1200    |
| 7/2/2016 4:00  | 1020                               | 1021    | 1200                                     | 1200    |
| 7/2/2016 5:00  | 1021                               | 1022    | 1200                                     | 1200    |
| 7/2/2016 6:00  | 1022                               | 1023    | 1200                                     | 1200    |
| 7/2/2016 7:00  | 1023                               | 1023    | 1200                                     | 1200    |
| 7/2/2016 8:00  | 1023                               | 1023    | 1200                                     | 1200    |
| 7/2/2016 9:00  | 1020                               | 1023    | 1200                                     | 1200    |
| 7/2/2016 10:00 | 1018                               | 1020    | 1200                                     | 1200    |
| 7/2/2016 11:00 | 1016                               | 1018    | 1200                                     | 1200    |
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| 7/2/2016 23:00 | 1017                               | 1017    | 1200                                     | 1200    |
| 7/3/2016 0:00  | 1017                               | 1018    | 1200                                     | 1200    |
| 7/3/2016 1:00  | 1017                               | 1018    | 1200                                     | 1200    |
| 7/3/2016 2:00  | 1016                               | 1017    | 1200                                     | 1200    |
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| 7/3/2016 4:00  | 1016                               | 1016    | 1200                                     | 1200    |
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| 7/3/2016 6:00  | 1016                               | 1016    | 1200                                     | 1200    |
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| 7/3/2016 8:00  | 1016                               | 1016    | 1200                                     | 1200    |
| 7/3/2016 9:00  | 1015                               | 1016    | 1200                                     | 1200    |
| 7/3/2016 10:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/3/2016 11:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/3/2016 12:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/3/2016 13:00 | 1014                               | 1014    | 1200                                     | 1200    |
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**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

| Date/Time      | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|----------------|------------------------------------|---------|--|---------|
|                | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 7/3/2016 19:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/3/2016 20:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/3/2016 21:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/3/2016 22:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/3/2016 23:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/4/2016 0:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/4/2016 1:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/4/2016 2:00  | 1012                               | 1013    | 1200                                     | 1200    |
| 7/4/2016 3:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/4/2016 4:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/4/2016 5:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/4/2016 6:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/4/2016 7:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/4/2016 8:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/4/2016 9:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/4/2016 10:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/4/2016 11:00 | 1012                               | 1012    | 1200                                     | 1200    |
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| 7/5/2016 0:00  | 1013                               | 1014    | 1200                                     | 1200    |
| 7/5/2016 1:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/5/2016 2:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/5/2016 3:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/5/2016 4:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/5/2016 5:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/5/2016 6:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/5/2016 7:00  | 1013                               | 1014    | 1200                                     | 1200    |
| 7/5/2016 8:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/5/2016 9:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/5/2016 10:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/5/2016 11:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/5/2016 12:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/5/2016 13:00 | 1013                               | 1013    | 1200                                     | 1200    |
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| 7/5/2016 16:00 | 1013                               | 1013    | 1200                                     | 1200    |
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| 7/6/2016 0:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/6/2016 1:00  | 1013                               | 1013    | 1200                                     | 1200    |
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| 7/6/2016 5:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/6/2016 6:00  | 1013                               | 1014    | 1200                                     | 1200    |
| 7/6/2016 7:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/6/2016 8:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/6/2016 9:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/6/2016 10:00 | 1014                               | 1014    | 1200                                     | 1200    |
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| 7/6/2016 13:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/6/2016 14:00 | 1013                               | 1014    | 1200                                     | 1200    |
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| 7/6/2016 16:00 | 1013                               | 1013    | 1200                                     | 1200    |
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|----------------|------------------------------------|---------|--|---------|
|                | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 7/6/2016 22:00 | 1013                               | 1013    | 1200                                     | 1200    |
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| 7/7/2016 2:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/7/2016 3:00  | 1013                               | 1013    | 1200                                     | 1200    |
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| 7/7/2016 5:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/7/2016 6:00  | 1013                               | 1014    | 1200                                     | 1200    |
| 7/7/2016 7:00  | 1014                               | 1014    | 1200                                     | 1200    |
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| 7/7/2016 9:00  | 1015                               | 1015    | 1200                                     | 1200    |
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| 7/9/2016 0:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/9/2016 1:00  | 1012                               | 1012    | 1200                                     | 1200    |
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| 7/9/2016 3:00  | 1012                               | 1013    | 1200                                     | 1200    |
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| 7/10/2016 0:00 | 1013                               | 1014    | 1200                                     | 1200    |

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|-----------------|------------------------------------|---------|--|---------|
|                 | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 7/10/2016 1:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/10/2016 2:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/10/2016 3:00  | 1013                               | 1014    | 1200                                     | 1200    |
| 7/10/2016 4:00  | 1013                               | 1013    | 1200                                     | 1200    |
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| 7/12/2016 1:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/12/2016 2:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/12/2016 3:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/12/2016 4:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/12/2016 5:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/12/2016 6:00  | 1012                               | 1013    | 1200                                     | 1200    |
| 7/12/2016 7:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/12/2016 8:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/12/2016 9:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/12/2016 10:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/12/2016 11:00 | 1012                               | 1013    | 1200                                     | 1200    |
| 7/12/2016 12:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/12/2016 13:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/12/2016 14:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/12/2016 15:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/12/2016 16:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/12/2016 17:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/12/2016 18:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/12/2016 19:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/12/2016 20:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/12/2016 21:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/12/2016 22:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/12/2016 23:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 0:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 1:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 2:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 3:00  | 1014                               | 1014    | 1062                                     | 1200    |

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

| Date/Time       | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|-----------------|------------------------------------|---------|--|---------|
|                 | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 7/13/2016 4:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 5:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 6:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 7:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 8:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 9:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 10:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 11:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 12:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 13:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 14:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 15:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 16:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 17:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 18:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 19:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/13/2016 20:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/13/2016 21:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/13/2016 22:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/13/2016 23:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/14/2016 0:00  | 1014                               | 1015    | 1200                                     | 1200    |
| 7/14/2016 1:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/14/2016 2:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/14/2016 3:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/14/2016 4:00  | 1013                               | 1014    | 1200                                     | 1200    |
| 7/14/2016 5:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/14/2016 6:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/14/2016 7:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/14/2016 8:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/14/2016 9:00  | 1012                               | 1013    | 1200                                     | 1200    |
| 7/14/2016 10:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/14/2016 11:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/14/2016 12:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/14/2016 13:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/14/2016 14:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/14/2016 15:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/14/2016 16:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/14/2016 17:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/14/2016 18:00 | 1011                               | 1012    | 1200                                     | 1200    |
| 7/14/2016 19:00 | 1011                               | 1011    | 1200                                     | 1200    |
| 7/14/2016 20:00 | 1011                               | 1011    | 1200                                     | 1200    |
| 7/14/2016 21:00 | 1011                               | 1011    | 1200                                     | 1200    |
| 7/14/2016 22:00 | 1011                               | 1011    | 1200                                     | 1200    |
| 7/14/2016 23:00 | 1011                               | 1011    | 1200                                     | 1200    |
| 7/15/2016 0:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/15/2016 1:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/15/2016 2:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/15/2016 3:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/15/2016 4:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/15/2016 5:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/15/2016 6:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/15/2016 7:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/15/2016 8:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/15/2016 9:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/15/2016 10:00 | 1011                               | 1011    | 1200                                     | 1200    |
| 7/15/2016 11:00 | 1011                               | 1011    | 1200                                     | 1200    |
| 7/15/2016 12:00 | 1011                               | 1013    | 1200                                     | 1200    |
| 7/15/2016 13:00 | 1013                               | 1017    | 1200                                     | 1200    |
| 7/15/2016 14:00 | 1017                               | 1021    | 1200                                     | 1200    |
| 7/15/2016 15:00 | 1021                               | 1025    | 1200                                     | 1200    |
| 7/15/2016 16:00 | 1025                               | 1026    | 1200                                     | 1200    |
| 7/15/2016 17:00 | 1026                               | 1027    | 1200                                     | 1200    |
| 7/15/2016 18:00 | 1027                               | 1027    | 1200                                     | 1200    |
| 7/15/2016 19:00 | 1027                               | 1027    | 1200                                     | 1200    |
| 7/15/2016 20:00 | 1027                               | 1028    | 1200                                     | 1200    |
| 7/15/2016 21:00 | 1028                               | 1029    | 1200                                     | 1200    |
| 7/15/2016 22:00 | 1029                               | 1030    | 1200                                     | 1200    |
| 7/15/2016 23:00 | 1030                               | 1030    | 1200                                     | 1200    |
| 7/16/2016 0:00  | 1030                               | 1032    | 1200                                     | 1200    |
| 7/16/2016 1:00  | 1032                               | 1033    | 1200                                     | 1200    |
| 7/16/2016 2:00  | 1033                               | 1034    | 1200                                     | 1200    |
| 7/16/2016 3:00  | 1033                               | 1034    | 1200                                     | 1200    |
| 7/16/2016 4:00  | 1032                               | 1033    | 1200                                     | 1200    |
| 7/16/2016 5:00  | 1032                               | 1032    | 1200                                     | 1200    |
| 7/16/2016 6:00  | 1032                               | 1032    | 1200                                     | 1200    |

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

| Date/Time       | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|-----------------|------------------------------------|---------|--|---------|
|                 | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 7/16/2016 7:00  | 1032                               | 1032    | 1200                                     | 1200    |
| 7/16/2016 8:00  | 1032                               | 1032    | 1200                                     | 1200    |
| 7/16/2016 9:00  | 1032                               | 1032    | 1200                                     | 1200    |
| 7/16/2016 10:00 | 1032                               | 1032    | 1200                                     | 1200    |
| 7/16/2016 11:00 | 1032                               | 1032    | 1200                                     | 1200    |
| 7/16/2016 12:00 | 1032                               | 1032    | 1200                                     | 1200    |
| 7/16/2016 13:00 | 1032                               | 1032    | 1200                                     | 1200    |
| 7/16/2016 14:00 | 1032                               | 1032    | 1200                                     | 1200    |
| 7/16/2016 15:00 | 1032                               | 1032    | 1200                                     | 1200    |
| 7/16/2016 16:00 | 1032                               | 1032    | 1200                                     | 1200    |
| 7/16/2016 17:00 | 1032                               | 1033    | 1200                                     | 1200    |
| 7/16/2016 18:00 | 1033                               | 1033    | 1200                                     | 1200    |
| 7/16/2016 19:00 | 1031                               | 1033    | 1200                                     | 1200    |
| 7/16/2016 20:00 | 1028                               | 1031    | 1200                                     | 1200    |
| 7/16/2016 21:00 | 1024                               | 1028    | 1200                                     | 1200    |
| 7/16/2016 22:00 | 1021                               | 1024    | 1200                                     | 1200    |
| 7/16/2016 23:00 | 1020                               | 1021    | 1200                                     | 1200    |
| 7/17/2016 0:00  | 1018                               | 1020    | 1200                                     | 1200    |
| 7/17/2016 1:00  | 1017                               | 1018    | 1200                                     | 1200    |
| 7/17/2016 2:00  | 1014                               | 1017    | 1200                                     | 1200    |
| 7/17/2016 3:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/17/2016 4:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/17/2016 5:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/17/2016 6:00  | 1012                               | 1014    | 1200                                     | 1200    |
| 7/17/2016 7:00  | 1011                               | 1012    | 1200                                     | 1200    |
| 7/17/2016 8:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/17/2016 9:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/17/2016 10:00 | 1011                               | 1011    | 1200                                     | 1200    |
| 7/17/2016 11:00 | 1011                               | 1011    | 1200                                     | 1200    |
| 7/17/2016 12:00 | 1011                               | 1012    | 1200                                     | 1200    |
| 7/17/2016 13:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/17/2016 14:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/17/2016 15:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/17/2016 16:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/17/2016 17:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/17/2016 18:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/17/2016 19:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/17/2016 20:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/17/2016 21:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/17/2016 22:00 | 1012                               | 1013    | 1200                                     | 1200    |
| 7/17/2016 23:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/18/2016 0:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/18/2016 1:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/18/2016 2:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/18/2016 3:00  | 1013                               | 1014    | 1200                                     | 1200    |
| 7/18/2016 4:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/18/2016 5:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/18/2016 6:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/18/2016 7:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/18/2016 8:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/18/2016 9:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/18/2016 10:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/18/2016 11:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/18/2016 12:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/18/2016 13:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/18/2016 14:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/18/2016 15:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/18/2016 16:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/18/2016 17:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/18/2016 18:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/18/2016 19:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/18/2016 20:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/18/2016 21:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/18/2016 22:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/18/2016 23:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 0:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 1:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 2:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 3:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 4:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 5:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 6:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 7:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 8:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 9:00  | 1014                               | 1014    | 1200                                     | 1200    |

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

| Date/Time       | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|-----------------|------------------------------------|---------|--|---------|
|                 | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 7/19/2016 10:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 11:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 12:00 | 1010                               | 1013    | 1200                                     | 1200    |
| 7/19/2016 13:00 | 1010                               | 1012    | 1200                                     | 1200    |
| 7/19/2016 14:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/19/2016 15:00 | 1012                               | 1013    | 1200                                     | 1200    |
| 7/19/2016 16:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/19/2016 17:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 18:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 19:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 20:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 21:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/19/2016 22:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/19/2016 23:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/20/2016 0:00  | 1015                               | 1016    | 1200                                     | 1200    |
| 7/20/2016 1:00  | 1016                               | 1016    | 1200                                     | 1200    |
| 7/20/2016 2:00  | 1016                               | 1016    | 1200                                     | 1200    |
| 7/20/2016 3:00  | 1015                               | 1016    | 1200                                     | 1200    |
| 7/20/2016 4:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/20/2016 5:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/20/2016 6:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/20/2016 7:00  | 1015                               | 1016    | 1200                                     | 1200    |
| 7/20/2016 8:00  | 1015                               | 1016    | 1200                                     | 1200    |
| 7/20/2016 9:00  | 1015                               | 1015    | 1174                                     | 1200    |
| 7/20/2016 10:00 | 1015                               | 1015    | 800                                      | 1200    |
| 7/20/2016 11:00 | 1015                               | 1016    | 1200                                     | 1200    |
| 7/20/2016 12:00 | 1016                               | 1016    | 1200                                     | 1200    |
| 7/20/2016 13:00 | 1016                               | 1016    | 1200                                     | 1200    |
| 7/20/2016 14:00 | 1015                               | 1016    | 1200                                     | 1200    |
| 7/20/2016 15:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/20/2016 16:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/20/2016 17:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/20/2016 18:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/20/2016 19:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/20/2016 20:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/20/2016 21:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/20/2016 22:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/20/2016 23:00 | 1012                               | 1013    | 1200                                     | 1200    |
| 7/21/2016 0:00  | 1012                               | 1013    | 1200                                     | 1200    |
| 7/21/2016 1:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/21/2016 2:00  | 1013                               | 1014    | 1200                                     | 1200    |
| 7/21/2016 3:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/21/2016 4:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/21/2016 5:00  | 1014                               | 1015    | 1200                                     | 1200    |
| 7/21/2016 6:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/21/2016 7:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/21/2016 8:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/21/2016 9:00  | 1015                               | 1016    | 1200                                     | 1200    |
| 7/21/2016 10:00 | 1016                               | 1016    | 1200                                     | 1200    |
| 7/21/2016 11:00 | 1016                               | 1016    | 1200                                     | 1200    |
| 7/21/2016 12:00 | 1015                               | 1016    | 1200                                     | 1200    |
| 7/21/2016 13:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/21/2016 14:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/21/2016 15:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/21/2016 16:00 | 1010                               | 1014    | 1200                                     | 1200    |
| 7/21/2016 17:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/21/2016 18:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/21/2016 19:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/21/2016 20:00 | 1014                               | 1014    | 1199                                     | 1200    |
| 7/21/2016 21:00 | 1014                               | 1014    | 1199                                     | 1200    |
| 7/21/2016 22:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/21/2016 23:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/22/2016 0:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/22/2016 1:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/22/2016 2:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/22/2016 3:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/22/2016 4:00  | 1014                               | 1015    | 1200                                     | 1200    |
| 7/22/2016 5:00  | 1015                               | 1016    | 1200                                     | 1200    |
| 7/22/2016 6:00  | 1016                               | 1016    | 1200                                     | 1200    |
| 7/22/2016 7:00  | 1015                               | 1016    | 1200                                     | 1200    |
| 7/22/2016 8:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/22/2016 9:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/22/2016 10:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/22/2016 11:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/22/2016 12:00 | 1011                               | 1013    | 1200                                     | 1200    |

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

| Date/Time       | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|-----------------|------------------------------------|---------|--|---------|
|                 | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 7/22/2016 13:00 | 1011                               | 1011    | 1200                                     | 1200    |
| 7/22/2016 14:00 | 1011                               | 1011    | 1200                                     | 1200    |
| 7/22/2016 15:00 | 1011                               | 1012    | 1200                                     | 1200    |
| 7/22/2016 16:00 | 1012                               | 1014    | 1200                                     | 1200    |
| 7/22/2016 17:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/22/2016 18:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/22/2016 19:00 | 1015                               | 1016    | 1200                                     | 1200    |
| 7/22/2016 20:00 | 1015                               | 1016    | 1200                                     | 1200    |
| 7/22/2016 21:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/22/2016 22:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/22/2016 23:00 | 1015                               | 1016    | 1200                                     | 1200    |
| 7/23/2016 0:00  | 1016                               | 1016    | 1200                                     | 1200    |
| 7/23/2016 1:00  | 1015                               | 1016    | 1200                                     | 1200    |
| 7/23/2016 2:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/23/2016 3:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/23/2016 4:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/23/2016 5:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/23/2016 6:00  | 1014                               | 1015    | 1200                                     | 1200    |
| 7/23/2016 7:00  | 1013                               | 1014    | 1200                                     | 1200    |
| 7/23/2016 8:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/23/2016 9:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/23/2016 10:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/23/2016 11:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/23/2016 12:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/23/2016 13:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/23/2016 14:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/23/2016 15:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/23/2016 16:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/23/2016 17:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/23/2016 18:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/23/2016 19:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/23/2016 20:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/23/2016 21:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/23/2016 22:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/23/2016 23:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 0:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/24/2016 1:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/24/2016 2:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/24/2016 3:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/24/2016 4:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/24/2016 5:00  | 1014                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 6:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 7:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 8:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 9:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 10:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 11:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 12:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 13:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 14:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 15:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 16:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 17:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 18:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 19:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/24/2016 20:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/24/2016 21:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/24/2016 22:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/24/2016 23:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/25/2016 0:00  | 1015                               | 1016    | 1200                                     | 1200    |
| 7/25/2016 1:00  | 1016                               | 1016    | 1200                                     | 1200    |
| 7/25/2016 2:00  | 1016                               | 1017    | 1200                                     | 1200    |
| 7/25/2016 3:00  | 1017                               | 1017    | 1200                                     | 1200    |
| 7/25/2016 4:00  | 1016                               | 1017    | 1200                                     | 1200    |
| 7/25/2016 5:00  | 1016                               | 1016    | 1200                                     | 1200    |
| 7/25/2016 6:00  | 1015                               | 1016    | 1200                                     | 1200    |
| 7/25/2016 7:00  | 1014                               | 1015    | 1200                                     | 1200    |
| 7/25/2016 8:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/25/2016 9:00  | 1013                               | 1014    | 1200                                     | 1200    |
| 7/25/2016 10:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/25/2016 11:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/25/2016 12:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/25/2016 13:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/25/2016 14:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/25/2016 15:00 | 1013                               | 1013    | 1200                                     | 1200    |

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

| Date/Time       | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|-----------------|------------------------------------|---------|--|---------|
|                 | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 7/25/2016 16:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/25/2016 17:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/25/2016 18:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/25/2016 19:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/25/2016 20:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/25/2016 21:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/25/2016 22:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/25/2016 23:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 0:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 1:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 2:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 3:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 4:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 5:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 6:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 7:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 8:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 9:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 10:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 11:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 12:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/26/2016 13:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/26/2016 14:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/26/2016 15:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/26/2016 16:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/26/2016 17:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/26/2016 18:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 19:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 20:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 21:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 22:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/26/2016 23:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/27/2016 0:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/27/2016 1:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/27/2016 2:00  | 1013                               | 1014    | 1200                                     | 1200    |
| 7/27/2016 3:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/27/2016 4:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/27/2016 5:00  | 1014                               | 1015    | 1200                                     | 1200    |
| 7/27/2016 6:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/27/2016 7:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/27/2016 8:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/27/2016 9:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/27/2016 10:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/27/2016 11:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/27/2016 12:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/27/2016 13:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/27/2016 14:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/27/2016 15:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/27/2016 16:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/27/2016 17:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/27/2016 18:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/27/2016 19:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/27/2016 20:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/27/2016 21:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/27/2016 22:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/27/2016 23:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/28/2016 0:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/28/2016 1:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/28/2016 2:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/28/2016 3:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/28/2016 4:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/28/2016 5:00  | 1013                               | 1013    | 1200                                     | 1200    |
| 7/28/2016 6:00  | 1013                               | 1014    | 1200                                     | 1200    |
| 7/28/2016 7:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/28/2016 8:00  | 1014                               | 1014    | 1200                                     | 1200    |
| 7/28/2016 9:00  | 1013                               | 1014    | 1200                                     | 1200    |
| 7/28/2016 10:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/28/2016 11:00 | 1012                               | 1013    | 1200                                     | 1200    |
| 7/28/2016 12:00 | 1012                               | 1013    | 1200                                     | 1200    |
| 7/28/2016 13:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/28/2016 14:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/28/2016 15:00 | 1012                               | 1013    | 1200                                     | 1200    |
| 7/28/2016 16:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/28/2016 17:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/28/2016 18:00 | 1012                               | 1012    | 1200                                     | 1200    |

**Xcel Energy**  
**Natural Gas Utility - State of North Dakota**  
**Monthly Heating Values Report**

| Date/Time       | Viking Gas Transmission<br>(Fargo) |         | Williston Basin Interstate<br>(Mapleton) |         |
|-----------------|------------------------------------|---------|--|---------|
|                 | Min BTU                            | Max BTU | Min BTU                                  | Max BTU |
| 7/28/2016 19:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/28/2016 20:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/28/2016 21:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/28/2016 22:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/28/2016 23:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 0:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 1:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 2:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 3:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 4:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 5:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 6:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 7:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 8:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 9:00  | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 10:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 11:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 12:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 13:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 14:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 15:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 16:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 17:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/29/2016 18:00 | 1012                               | 1013    | 1200                                     | 1200    |
| 7/29/2016 19:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/29/2016 20:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/29/2016 21:00 | 1015                               | 1018    | 1200                                     | 1200    |
| 7/29/2016 22:00 | 1018                               | 1020    | 1200                                     | 1200    |
| 7/29/2016 23:00 | 1020                               | 1022    | 1200                                     | 1200    |
| 7/30/2016 0:00  | 1022                               | 1023    | 1200                                     | 1200    |
| 7/30/2016 1:00  | 1022                               | 1023    | 1200                                     | 1200    |
| 7/30/2016 2:00  | 1022                               | 1023    | 1200                                     | 1200    |
| 7/30/2016 3:00  | 1023                               | 1023    | 1200                                     | 1200    |
| 7/30/2016 4:00  | 1022                               | 1023    | 1200                                     | 1200    |
| 7/30/2016 5:00  | 1021                               | 1022    | 1200                                     | 1200    |
| 7/30/2016 6:00  | 1018                               | 1021    | 1200                                     | 1200    |
| 7/30/2016 7:00  | 1016                               | 1018    | 1200                                     | 1200    |
| 7/30/2016 8:00  | 1016                               | 1016    | 1200                                     | 1200    |
| 7/30/2016 9:00  | 1016                               | 1016    | 1200                                     | 1200    |
| 7/30/2016 10:00 | 1015                               | 1016    | 1200                                     | 1200    |
| 7/30/2016 11:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/30/2016 12:00 | 1015                               | 1015    | 1200                                     | 1200    |
| 7/30/2016 13:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/30/2016 14:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/30/2016 15:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/30/2016 16:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/30/2016 17:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/30/2016 18:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/30/2016 19:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/30/2016 20:00 | 1013                               | 1013    | 1200                                     | 1200    |
| 7/30/2016 21:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/30/2016 22:00 | 1014                               | 1014    | 1200                                     | 1200    |
| 7/30/2016 23:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/31/2016 0:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/31/2016 1:00  | 1015                               | 1015    | 1200                                     | 1200    |
| 7/31/2016 2:00  | 1015                               | 1016    | 1200                                     | 1200    |
| 7/31/2016 3:00  | 1016                               | 1016    | 1200                                     | 1200    |
| 7/31/2016 4:00  | 1015                               | 1016    | 1200                                     | 1200    |
| 7/31/2016 5:00  | 1013                               | 1015    | 1200                                     | 1200    |
| 7/31/2016 6:00  | 1012                               | 1013    | 1200                                     | 1200    |
| 7/31/2016 7:00  | 1011                               | 1012    | 1200                                     | 1200    |
| 7/31/2016 8:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/31/2016 9:00  | 1011                               | 1011    | 1200                                     | 1200    |
| 7/31/2016 10:00 | 1011                               | 1012    | 1200                                     | 1200    |
| 7/31/2016 11:00 | 1012                               | 1012    | 1200                                     | 1200    |
| 7/31/2016 12:00 | 1012                               | 1013    | 1200                                     | 1200    |
| 7/31/2016 13:00 | 1013                               | 1014    | 1200                                     | 1200    |
| 7/31/2016 14:00 | 1014                               | 1015    | 1200                                     | 1200    |
| 7/31/2016 15:00 | 1015                               | 1016    | 1200                                     | 1200    |
| 7/31/2016 16:00 | 1016                               | 1017    | 1200                                     | 1200    |
| 7/31/2016 17:00 | 1017                               | 1019    | 1200                                     | 1200    |
| 7/31/2016 18:00 | 1019                               | 1022    | 1200                                     | 1200    |
| 7/31/2016 19:00 | 1022                               | 1023    | 1200                                     | 1200    |
| 7/31/2016 20:00 | 1023                               | 1023    | 1200                                     | 1200    |
| 7/31/2016 21:00 | 1022                               | 1023    | 1200                                     | 1200    |
| 7/31/2016 22:00 | 1021                               | 1022    | 1200                                     | 1200    |
| 7/31/2016 23:00 | 1021                               | 1021    | 1200                                     | 1200    |
| Min (Btu/cf)    | 1010                               | 1034    | 800                                      | 1200    |