



A Subsidiary of MDU Resources Group, Inc.

400 North Fourth Street  
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January 15, 2026

Mr. Steven Kahl  
Executive Secretary  
North Dakota Public Service Commission  
State Capitol Building  
Bismarck, ND 58505-0480

Re: Case No. PU-25-002 (Therm Billing)  
Monthly Report – November 2025

Mr. Kahl,

Montana-Dakota Utilities Co. (Montana-Dakota or the Company) herewith electronically submits the following information, pursuant to the Ordering paragraphs one and two of the Order issued in Case No. 11,006, dated October 20, 1987 and pursuant to the North Dakota Administrative Code 69-09-01-02, part 2.

1. Attachment A is a schedule showing the thermal billing factors by community that are derived from the BTU values shown on Attachment B and were used for billing purposes in December 2025.
2. Attachment B consists of copies of the monthly Heating Value Test Reports received from our suppliers for the month of November 2025.
3. Attachment C is a listing which states the type of measuring device in place at each zone.
4. Attachment D is a monthly list of the heating value data, by zone, for the most recent 12-month period and an average thereof. It is being provided pursuant to a Staff request.
5. Attachment E provides a brief explanation of the thermal variances, where applicable, for the month of November 2025.

Montana-Dakota respectfully requests this electronic filing, in lieu of an original and one copy, be accepted as being in full compliance with the filing requirements of this Commission.

Sincerely,

*/s/ Tyler J Culbertson*

Tyler J Culbertson  
Director of Regulatory Affairs

**Montana-Dakota Utilities Co.**  
**Therm Billing Factors - North Dakota**  
**Dec-25**

<u>Town</u>	<u>Heat Zone</u>	<u>Therm Factor</u>
MDU-303-ALEXANDER	025	1.1381
MDU-308-ARNEGARD	025	1.1381
MDU-314-APPLE VALLEY	271	1.1588
MDU-318-BEACH	032	1.0480
MDU-319-BELFIELD	032	1.0557
MDU-323-BERTHOLD	262	1.1391
MDU-327-BISMARCK	028	1.0874
MDU-330-BOWMAN	034	1.0421
MDU-337-BURLINGTON	262	1.1636
MDU-343-CARRINGTON	273	1.1588
MDU-719-CASSELTON	272	1.1670
MDU-344-CLEVELAND	272	1.1507
MDU-364-CAVALIER	273	1.1833
MDU-365-DAWSON	271	1.1507
MDU-368-DES LACS	262	1.1473
MDU-369-DICKINSON	031	1.0643
MDU-374-FT TOTTEN	273	1.1670
MDU-375-DEVILS LAKE	273	1.1670
MDU-379-BARLOW	273	1.1588
MDU-384-EPPING	264	1.1173
MDU-387-ELDRIDGE	272	1.1588
MDU-407-GLADSTONE	031	1.0643
MDU-411-GLEN ULLIN	031	1.0720
MDU-413-GOLVA	032	1.4305
MDU-416-GARRISON	262	1.1473
MDU-417-GRAFTON	273	1.1914
MDU-403-GWINNER	601	1.1389
MDU-429-HEBRON	031	1.0720
MDU-432-HETTINGER	903	2.3875
MDU-449-JAMESTOWN	272	1.1670
MDU-459-KILLDEER	033	1.0928
MDU-751-KINDRED	272	1.0134
MDU-463-LANGDON	273	1.1588
MDU-469-LEFOR	031	1.0643
MDU-474-LIGNITE	263	1.0759
MDU-475-LINTON	802	1.0459
MDU-478-LINCOLN	028	1.0874
MDU-488-MCKENZIE	271	1.1588
MDU-494-MEDINA	271	1.1507
MDU-498-MANDAN	028	1.0874
MDU-500-MARMARTH	034	1.0498
MDU-505-MINOT	262	1.1636
MDU-510-MOTT	031	1.0643
MDU-512-MAX	262	1.1636
MDU-513-MILNOR	601	1.1419
MDU-522-NEW ENGLAND	031	1.0566
MDU-524-NEW SALEM	028	1.0645
MDU-532-NEW ROCKFORD	273	1.1588
MDU-539-PARK RIVER	273	1.1833

MDU-540-PALERMO	262	1.1391
MDU-558-RAY	264	1.1173
MDU-561-REGENT	031	1.0566
MDU-563-RHAME	034	1.0344
MDU-564-RICHARDTON	031	1.0566
MDU-568-ROSS	261	1.1131
MDU-572-RUTHVILLE	262	1.1636
MDU-574-SANBORN	272	1.1670
MDU-583-SENTINEL BUTTE	032	1.0480
MDU-588-SOUTH HEART	031	1.0643
MDU-717-SPIRITWOOD	272	1.1164
MDU-590-SPRINGBROOK	264	1.1173
MDU-591-STANLEY	261	1.1211
MDU-593-STEELE	271	1.1507
MDU-594-STERLING	028	1.0874
MDU-598-SHEYENNE	273	1.1670
MDU-605-SURREY	262	1.1636
MDU-610-TAPPEN	271	1.1507
MDU-611-TAYLOR	031	1.0566
MDU-616-TIOGA	260	1.0962
MDU-619-TURTLE LAKE	262	1.1473
MDU-620-TRENTON	024	1.1349
MDU-624-UNDERWOOD	262	1.1473
MDU-625-VALLEY CITY	272	1.1751
MDU-629-WALHALLA	273	1.1833
MDU-632-WATFORD CITY	610	1.0437
MDU-104-WAHPETON	247	1.0300
MDU-636-WHEELLOCK	264	1.1093
MDU-637-WHITE EARTH	261	1.1211
MDU-642-WILLISTON	024	1.1349
MDU-646-WASHBURN	262	1.1554
MDU-647-WILTON	262	1.1391
MDU-664-RIVERDALE	262	1.1473
MDU-691-FAIRVIEW	241	1.1339
MDU-712-MINOT AFB	262	1.1636
MDU-718-FAIRMOUNT	600	1.1366
MDU-732-NEKOMA	273	1.1588
MDU-732-MSR SITE	273	1.1588

# Source Daily Summary

November 2025

Source #: 251  
 Name: SDNY BDR-MNDK JNCTN-SDNY PLT

<b>Pressure Base:</b>	14.730	<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60	<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.7144	1167.9	1188.6	1188.1	1.116	2.891	71.561	21.270	2.776	0.110	0.235	0.016	0.016	0.009	0.000	0.000	0.000	0.000	1406.24	
2	0.7153	1168.4	1189.1	1188.6	1.126	2.924	71.411	21.370	2.777	0.112	0.239	0.016	0.016	0.010	0.000	0.000	0.000	0.000	1405.99	
3	0.7148	1167.5	1188.2	1187.7	1.124	2.932	71.541	21.217	2.790	0.113	0.241	0.016	0.016	0.009	0.000	0.000	0.000	0.000	1405.46	
4	0.7137	1164.7	1185.3	1184.8	1.130	3.000	71.600	21.184	2.720	0.106	0.221	0.015	0.014	0.009	0.000	0.000	0.000	0.000	1403.06	
5	0.7198	1170.3	1191.0	1190.5	1.203	3.125	70.463	22.075	2.761	0.108	0.226	0.015	0.014	0.010	0.000	0.000	0.000	0.000	1403.77	
6	0.7163	1167.8	1188.5	1187.9	1.160	3.005	71.245	21.397	2.808	0.110	0.234	0.016	0.015	0.010	0.000	0.000	0.000	0.000	1404.26	
7	0.7149	1167.4	1188.1	1187.6	1.140	2.932	71.348	21.531	2.679	0.106	0.225	0.015	0.015	0.009	0.000	0.000	0.000	0.000	1405.15	
8	0.7159	1169.5	1190.2	1189.7	1.120	2.926	71.204	21.639	2.732	0.109	0.232	0.015	0.015	0.009	0.000	0.000	0.000	0.000	1406.69	
9	0.7176	1171.2	1191.9	1191.4	1.128	2.974	70.969	21.712	2.823	0.112	0.240	0.016	0.016	0.010	0.000	0.000	0.000	0.000	1407.01	
10	0.7193	1171.1	1191.8	1191.3	1.177	3.060	70.690	21.823	2.868	0.110	0.232	0.015	0.015	0.010	0.000	0.000	0.000	0.000	1405.30	
11	0.7182	1169.9	1190.6	1190.1	1.170	3.044	70.848	21.727	2.843	0.106	0.223	0.015	0.014	0.010	0.000	0.000	0.000	0.000	1404.90	
12	0.6909	1147.4	1167.8	1167.3	0.084	3.505	73.979	20.266	2.018	0.049	0.089	0.004	0.003	0.002	0.000	0.000	0.000	0.000	1404.87	
13	0.6911	1147.9	1168.2	1167.7	0.060	3.533	73.893	20.358	2.015	0.048	0.086	0.004	0.003	0.002	0.000	0.000	0.000	0.000	1405.23	
14	0.7150	1168.0	1188.6	1188.1	0.921	3.243	71.095	21.604	2.818	0.095	0.194	0.012	0.011	0.009	0.000	0.000	0.000	0.000	1405.76	
15	0.7207	1174.4	1195.2	1194.7	1.086	3.127	70.478	21.879	3.048	0.110	0.231	0.015	0.015	0.010	0.000	0.000	0.000	0.000	1407.92	
16	0.7240	1175.9	1196.8	1196.3	1.175	3.213	70.042	22.003	3.158	0.117	0.247	0.017	0.016	0.012	0.000	0.000	0.000	0.000	1406.48	
17	0.7232	1176.3	1197.2	1196.7	1.182	3.105	70.261	21.857	3.178	0.121	0.253	0.017	0.016	0.011	0.000	0.000	0.000	0.000	1407.70	
18	0.7237	1176.8	1197.7	1197.1	1.189	3.106	70.194	21.897	3.200	0.120	0.250	0.017	0.016	0.011	0.000	0.000	0.000	0.000	1407.86	
19	0.7238	1176.9	1197.7	1197.3	1.170	3.145	70.217	21.786	3.255	0.122	0.258	0.018	0.018	0.011	0.000	0.000	0.000	0.000	1407.78	
20	0.7231	1175.8	1196.6	1196.1	1.168	3.145	70.271	21.841	3.146	0.123	0.260	0.018	0.018	0.011	0.000	0.000	0.000	0.000	1407.19	
21	0.7234	1175.5	1196.3	1195.9	1.167	3.188	70.087	22.085	3.055	0.119	0.252	0.017	0.017	0.011	0.000	0.000	0.000	0.000	1406.63	
22	0.7234	1176.6	1197.5	1197.0	1.179	3.110	70.069	22.214	2.996	0.122	0.261	0.018	0.018	0.011	0.000	0.000	0.000	0.000	1407.86	
23	0.7232	1176.4	1197.2	1196.8	1.180	3.106	70.032	22.328	2.925	0.121	0.260	0.018	0.018	0.011	0.000	0.000	0.000	0.000	1407.75	
24	0.7227	1175.0	1195.8	1195.4	1.189	3.124	70.226	22.022	3.018	0.120	0.255	0.017	0.017	0.011	0.000	0.000	0.000	0.000	1406.65	
25	0.7241	1166.2	1186.9	1186.5	1.343	3.562	69.646	22.311	2.777	0.108	0.216	0.013	0.011	0.012	0.000	0.000	0.000	0.000	1394.77	
26	0.7190	1169.7	1190.4	1190.0	1.173	3.123	70.774	21.627	2.931	0.108	0.225	0.014	0.014	0.010	0.000	0.000	0.000	0.000	1403.90	
27	0.7245	1178.9	1199.8	1199.4	1.156	3.105	70.404	21.315	3.603	0.122	0.251	0.016	0.016	0.012	0.000	0.000	0.000	0.000	1409.51	
28	0.7225	1175.4	1196.2	1195.8	1.172	3.108	70.135	22.236	2.952	0.116	0.239	0.015	0.015	0.012	0.000	0.000	0.000	0.000	1407.33	
29	0.7200	1172.3	1193.0	1192.6	1.167	3.073	70.619	21.819	2.925	0.116	0.242	0.015	0.015	0.010	0.000	0.000	0.000	0.000	1405.99	
30	0.7169	1174.1	1194.9	1194.5	1.034	2.867	71.273	21.400	3.012	0.119	0.253	0.017	0.017	0.009	0.000	0.000	0.000	0.000	1411.25	
<b>Avg</b>	<b>0.7179</b>	<b>1171.0</b>	<b>1191.2</b>	<b>1190.8</b>	<b>1.080</b>	<b>3.110</b>	<b>70.886</b>	<b>21.660</b>	<b>2.887</b>	<b>0.109</b>	<b>0.229</b>	<b>0.015</b>	<b>0.015</b>	<b>0.010</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1406.01</b>	

# Source Daily Summary

November 2025

Source #: 571  
Name: WILLISTON BDR-CHARBN STN

<b>Pressure Base:</b>	14.730	<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60	<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.7066	1167.2	1187.9	1187.4	1.011	2.361	72.815	20.923	2.542	0.100	0.216	0.015	0.017	0.002	0.000	0.000	0.000	0.000	1413.08	
2	0.7080	1169.0	1189.7	1189.3	1.012	2.378	72.582	21.090	2.586	0.100	0.218	0.015	0.017	0.002	0.000	0.000	0.000	0.000	1413.91	
3	0.7071	1167.9	1188.6	1188.2	1.009	2.364	72.755	20.942	2.578	0.100	0.218	0.015	0.017	0.002	0.000	0.000	0.000	0.000	1413.49	
4	0.7066	1167.3	1188.0	1187.5	1.016	2.344	72.770	21.016	2.522	0.095	0.204	0.014	0.016	0.002	0.000	0.000	0.000	0.000	1413.25	
5	0.7075	1168.4	1189.1	1188.7	1.023	2.350	72.679	21.025	2.576	0.099	0.214	0.015	0.017	0.002	0.000	0.000	0.000	0.000	1413.70	
6	0.7084	1169.2	1189.9	1189.5	1.031	2.376	72.569	21.041	2.625	0.102	0.221	0.016	0.017	0.002	0.000	0.000	0.000	0.000	1413.72	
7	0.7071	1167.7	1188.3	1187.9	1.026	2.356	72.692	21.063	2.525	0.097	0.209	0.014	0.016	0.002	0.000	0.000	0.000	0.000	1413.16	
8	0.7083	1169.1	1189.8	1189.4	1.028	2.371	72.607	21.017	2.607	0.105	0.229	0.016	0.018	0.003	0.000	0.000	0.000	0.000	1413.76	
9	0.7088	1169.8	1190.5	1190.1	1.029	2.375	72.564	21.004	2.649	0.106	0.234	0.017	0.019	0.003	0.000	0.000	0.000	0.000	1414.09	
10	0.7096	1169.7	1190.5	1190.0	1.046	2.429	72.383	21.122	2.656	0.104	0.225	0.016	0.017	0.002	0.000	0.000	0.000	0.000	1413.22	
11	0.7065	1165.8	1186.5	1186.1	1.041	2.383	72.749	21.047	2.449	0.095	0.205	0.014	0.016	0.002	0.000	0.000	0.000	0.000	1411.62	
12	0.7059	1165.8	1186.5	1186.1	1.029	2.344	72.854	21.012	2.422	0.097	0.209	0.015	0.016	0.002	0.000	0.000	0.000	0.000	1412.21	
13	0.7079	1168.8	1189.5	1189.1	1.021	2.370	72.657	20.992	2.584	0.106	0.232	0.016	0.018	0.002	0.000	0.000	0.000	0.000	1413.72	
14	0.7076	1168.6	1189.3	1188.9	1.016	2.356	72.816	20.772	2.654	0.110	0.238	0.017	0.019	0.002	0.000	0.000	0.000	0.000	1413.82	
15	0.7144	1174.8	1195.6	1195.1	1.074	2.528	71.680	21.469	2.858	0.111	0.241	0.017	0.019	0.003	0.000	0.000	0.000	0.000	1414.53	
16	0.7170	1180.8	1201.7	1201.3	1.047	2.442	71.630	21.303	3.056	0.138	0.318	0.026	0.031	0.008	0.000	0.000	0.000	0.000	1419.18	
17	0.7135	1174.4	1195.2	1194.8	1.062	2.484	71.805	21.423	2.858	0.105	0.226	0.016	0.018	0.003	0.000	0.000	0.000	0.000	1415.01	
18	0.7130	1173.2	1194.0	1193.6	1.066	2.507	71.811	21.486	2.764	0.104	0.225	0.016	0.018	0.003	0.000	0.000	0.000	0.000	1414.04	
19	0.7199	1179.0	1199.9	1199.5	1.130	2.697	70.762	22.008	2.997	0.112	0.251	0.018	0.021	0.004	0.000	0.000	0.000	0.000	1414.28	
20	0.7172	1177.7	1198.6	1198.2	1.095	2.581	71.194	21.817	2.913	0.113	0.247	0.018	0.020	0.004	0.000	0.000	0.000	0.000	1415.32	
21	0.7180	1178.0	1198.9	1198.5	1.102	2.627	71.119	21.759	2.985	0.115	0.252	0.018	0.020	0.004	0.000	0.000	0.000	0.000	1414.87	
22	0.7171	1177.5	1198.4	1198.0	1.090	2.592	71.271	21.679	2.962	0.115	0.251	0.018	0.020	0.003	0.000	0.000	0.000	0.000	1415.16	
23	0.7178	1178.1	1198.9	1198.6	1.096	2.612	71.187	21.691	3.000	0.116	0.255	0.018	0.021	0.004	0.000	0.000	0.000	0.000	1415.15	
24	0.7184	1179.2	1200.1	1199.8	1.095	2.599	71.073	21.811	3.008	0.117	0.254	0.019	0.021	0.004	0.000	0.000	0.000	0.000	1415.96	
25	0.7081	1168.6	1189.3	1189.0	1.035	2.377	72.568	21.095	2.579	0.100	0.213	0.015	0.016	0.003	0.000	0.000	0.000	0.000	1413.33	
26	0.7141	1173.7	1194.5	1194.1	1.075	2.565	71.741	21.360	2.871	0.111	0.239	0.016	0.018	0.003	0.000	0.000	0.000	0.000	1413.52	
27	0.7144	1175.9	1196.7	1196.4	1.054	2.495	71.693	21.480	2.878	0.114	0.246	0.017	0.019	0.004	0.000	0.000	0.000	0.000	1415.85	
28	0.7147	1175.7	1196.5	1196.2	1.065	2.514	71.576	21.625	2.833	0.110	0.238	0.016	0.018	0.004	0.000	0.000	0.000	0.000	1415.36	
29	0.7147	1175.8	1196.6	1196.3	1.064	2.510	71.579	21.618	2.845	0.110	0.237	0.016	0.018	0.003	0.000	0.000	0.000	0.000	1415.49	
30	0.7140	1174.5	1195.3	1195.0	1.065	2.523	71.685	21.527	2.824	0.108	0.232	0.016	0.017	0.003	0.000	0.000	0.000	0.000	1414.59	
<b>Avg</b>	<b>0.7117</b>	<b>1172.0</b>	<b>1193.1</b>	<b>1192.8</b>	<b>1.052</b>	<b>2.460</b>	<b>72.062</b>	<b>21.307</b>	<b>2.740</b>	<b>0.107</b>	<b>0.233</b>	<b>0.016</b>	<b>0.018</b>	<b>0.003</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1414.28</b>	





# Source Daily Summary

November 2025

Source #: 602  
Name: TIOGA STN-N TIOGA TRANSFER

<b>Pressure Base:</b>	14.730	<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60	<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.6887	1149.3	1169.7	1169.3	0.908	1.926	75.255	20.066	1.635	0.061	0.124	0.011	0.012	0.003	0.000	0.000	0.000	0.000	1409.44	-18.19
2	0.6897	1150.6	1171.0	1170.6	0.910	1.941	75.040	20.261	1.644	0.059	0.119	0.010	0.012	0.002	0.000	0.000	0.000	0.000	1409.95	-17.91
3	0.6901	1150.3	1170.6	1170.3	0.910	1.993	74.982	20.258	1.645	0.061	0.125	0.011	0.012	0.003	0.000	0.000	0.000	0.000	1409.22	-17.68
4	0.6898	1150.5	1170.9	1170.6	0.912	1.946	75.060	20.214	1.662	0.059	0.123	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1409.84	-17.78
5	0.6889	1149.3	1169.6	1169.3	0.925	1.923	75.223	20.085	1.639	0.059	0.122	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1409.16	-18.24
6	0.6887	1148.9	1169.2	1168.9	0.927	1.922	75.233	20.109	1.608	0.057	0.119	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1408.92	-18.54
7	0.6888	1149.0	1169.3	1169.0	0.930	1.922	75.185	20.175	1.598	0.056	0.112	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1408.93	-18.73
8	0.6945	1152.7	1173.1	1172.9	0.957	2.183	74.431	20.303	1.862	0.073	0.157	0.013	0.016	0.004	0.000	0.000	0.000	0.000	1407.83	-14.72
9	0.6891	1150.0	1170.3	1170.0	0.918	1.913	75.074	20.333	1.568	0.056	0.113	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1409.78	-18.62
10	0.6880	1148.1	1168.4	1168.1	0.925	1.913	75.317	20.080	1.569	0.056	0.117	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1408.60	-19.08
11	0.6880	1148.3	1168.7	1168.4	0.919	1.909	75.315	20.086	1.576	0.056	0.116	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1408.90	-19.02
12	0.6835	1140.3	1160.5	1160.2	0.877	2.038	76.088	19.303	1.510	0.053	0.110	0.009	0.010	0.002	0.000	0.000	0.000	0.000	1403.54	-22.08
13	0.6913	1151.6	1172.0	1171.7	0.920	2.016	74.685	20.551	1.627	0.058	0.119	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1409.58	-17.48
14	0.6901	1149.3	1169.7	1169.4	0.919	2.040	75.066	20.028	1.734	0.062	0.127	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1408.03	-17.43
15	0.6882	1148.0	1168.4	1168.0	0.929	1.925	75.347	19.979	1.615	0.059	0.121	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1408.37	-18.67
16	0.6884	1148.8	1169.1	1168.8	0.923	1.906	75.245	20.158	1.575	0.056	0.115	0.009	0.011	0.002	0.000	0.000	0.000	0.000	1409.12	-18.94
17	0.6899	1149.5	1169.9	1169.6	0.916	2.012	75.034	20.163	1.669	0.059	0.124	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1408.49	-17.87
18	0.6916	1149.5	1169.8	1169.5	0.923	2.158	74.760	20.221	1.722	0.062	0.131	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1406.75	-17.08
19	0.6929	1153.6	1174.0	1173.7	0.914	2.048	74.713	20.195	1.883	0.071	0.146	0.011	0.013	0.003	0.000	0.000	0.000	0.000	1410.40	-15.12
20	0.6912	1150.5	1170.8	1170.6	0.926	2.063	74.995	19.945	1.832	0.069	0.143	0.011	0.013	0.003	0.000	0.000	0.000	0.000	1408.31	-16.15
21	0.6910	1150.4	1170.7	1170.5	0.928	2.042	75.033	19.940	1.821	0.068	0.141	0.011	0.013	0.003	0.000	0.000	0.000	0.000	1408.43	-16.35
22	0.6905	1149.1	1169.5	1169.2	0.933	2.071	75.078	19.899	1.790	0.065	0.138	0.011	0.012	0.003	0.000	0.000	0.000	0.000	1407.33	-16.85
23	0.6893	1147.5	1167.8	1167.5	0.932	2.052	75.354	19.624	1.809	0.065	0.137	0.011	0.012	0.003	0.000	0.000	0.000	0.000	1406.63	-17.25
24	0.6907	1149.6	1169.9	1169.6	0.928	2.065	75.111	19.820	1.836	0.069	0.144	0.012	0.013	0.003	0.000	0.000	0.000	0.000	1407.72	-16.37
25	0.6967	1153.9	1174.3	1174.1	0.943	2.342	74.271	20.005	2.149	0.081	0.175	0.014	0.016	0.004	0.000	0.000	0.000	0.000	1407.01	-12.67
26	0.6833	1138.9	1159.1	1158.8	0.905	2.052	76.460	18.635	1.721	0.066	0.135	0.011	0.012	0.003	0.000	0.000	0.000	0.000	1402.20	-20.16
27	0.6868	1145.3	1165.6	1165.3	0.917	1.976	75.679	19.559	1.656	0.062	0.127	0.010	0.012	0.002	0.000	0.000	0.000	0.000	1406.46	-19.05
28	0.6881	1147.1	1167.4	1167.2	0.926	1.980	75.450	19.732	1.700	0.061	0.128	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1407.30	-18.34
29	0.6892	1148.7	1169.1	1168.8	0.927	1.982	75.219	19.968	1.691	0.061	0.128	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1408.17	-17.90
30	0.6889	1148.1	1168.4	1168.2	0.931	1.983	75.302	19.870	1.701	0.061	0.128	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1407.76	-18.03
Avg	0.6895	1149.0	1169.2	1168.9	0.922	2.008	75.167	19.986	1.702	0.062	0.129	0.011	0.012	0.002	0.000	0.000	0.000	0.000	1408.07	-17.74

# Source Daily Summary

November 2025

Source #: 601  
Name: TIOGA STN-ROBINSON LAKE PLNT

<b>Pressure Base:</b>	14.730	<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60	<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.6927	1153.0	1173.4	1173.1	0.923	2.057	74.707	20.235	1.829	0.070	0.147	0.013	0.015	0.004	0.000	0.000	0.000	0.000	1409.83	
2	0.6916	1151.4	1171.8	1171.5	0.920	2.049	74.908	20.070	1.810	0.069	0.144	0.012	0.014	0.003	0.000	0.000	0.000	0.000	1409.08	
3	0.6932	1153.4	1173.8	1173.5	0.920	2.085	74.512	20.479	1.750	0.071	0.151	0.013	0.015	0.004	0.000	0.000	0.000	0.000	1409.87	
4	0.6929	1154.1	1174.5	1174.2	0.924	2.002	74.570	20.519	1.757	0.064	0.136	0.011	0.013	0.003	0.000	0.000	0.000	0.000	1411.02	
5	0.6913	1151.8	1172.2	1171.9	0.929	1.987	74.874	20.247	1.737	0.063	0.135	0.011	0.013	0.003	0.000	0.000	0.000	0.000	1409.81	
6	0.6911	1151.6	1172.0	1171.7	0.930	1.972	74.879	20.294	1.705	0.062	0.131	0.011	0.013	0.003	0.000	0.000	0.000	0.000	1409.88	
7	0.6908	1151.4	1171.8	1171.5	0.930	1.962	74.915	20.287	1.692	0.062	0.126	0.011	0.012	0.003	0.000	0.000	0.000	0.000	1409.84	
8	0.6910	1151.4	1171.8	1171.5	0.933	1.975	74.888	20.288	1.701	0.062	0.127	0.011	0.012	0.003	0.000	0.000	0.000	0.000	1409.66	
9	0.6908	1151.2	1171.6	1171.4	0.932	1.971	74.907	20.284	1.691	0.062	0.127	0.011	0.012	0.003	0.000	0.000	0.000	0.000	1409.63	
10	0.6903	1150.3	1170.7	1170.4	0.933	1.986	74.998	20.177	1.683	0.062	0.134	0.011	0.013	0.003	0.000	0.000	0.000	0.000	1409.00	
11	0.6902	1150.4	1170.7	1170.5	0.935	1.963	74.974	20.282	1.634	0.060	0.127	0.011	0.012	0.003	0.000	0.000	0.000	0.000	1409.18	
12	0.6873	1144.1	1164.3	1164.0	0.903	2.119	75.586	19.489	1.678	0.063	0.134	0.011	0.013	0.003	0.000	0.000	0.000	0.000	1404.42	
13	0.6953	1154.3	1174.7	1174.4	0.942	2.192	74.288	20.397	1.918	0.072	0.157	0.013	0.016	0.004	0.000	0.000	0.000	0.000	1408.79	
14	0.6941	1153.5	1173.9	1173.7	0.926	2.152	74.317	20.599	1.774	0.065	0.138	0.012	0.013	0.003	0.000	0.000	0.000	0.000	1409.05	
15	0.7061	1163.9	1184.5	1184.3	0.981	2.555	72.926	20.655	2.490	0.102	0.238	0.021	0.025	0.007	0.000	0.000	0.000	0.000	1409.68	
16	0.6937	1150.9	1171.2	1171.0	0.933	2.260	74.647	19.939	1.959	0.072	0.158	0.013	0.015	0.004	0.000	0.000	0.000	0.000	1406.29	
17	0.7564	1185.4	1206.4	1206.2	1.026	5.888	66.053	20.625	5.678	0.190	0.465	0.031	0.035	0.009	0.000	0.000	0.000	0.000	1387.15	
18	0.7587	1185.8	1206.8	1206.5	1.029	6.067	65.741	20.601	5.823	0.191	0.470	0.032	0.036	0.009	0.000	0.000	0.000	0.000	1385.48	
19	0.7582	1184.4	1205.4	1205.1	1.028	6.115	65.771	20.556	5.809	0.191	0.458	0.030	0.035	0.009	0.000	0.000	0.000	0.000	1384.31	
20	0.7600	1187.8	1208.8	1208.6	1.032	6.064	65.568	20.696	5.891	0.196	0.473	0.032	0.037	0.009	0.000	0.000	0.000	0.000	1386.67	
21	0.7593	1186.6	1207.6	1207.4	1.030	6.079	65.614	20.696	5.852	0.191	0.462	0.031	0.035	0.009	0.000	0.000	0.000	0.000	1385.89	
22	0.7574	1182.6	1203.6	1203.3	1.032	6.145	65.829	20.538	5.754	0.184	0.448	0.029	0.033	0.009	0.000	0.000	0.000	0.000	1382.93	
23	0.7591	1186.0	1207.0	1206.7	1.033	6.092	65.665	20.629	5.844	0.192	0.469	0.031	0.035	0.009	0.000	0.000	0.000	0.000	1385.36	
24	0.7597	1186.8	1207.8	1207.6	1.032	6.101	65.606	20.627	5.885	0.194	0.476	0.032	0.036	0.010	0.000	0.000	0.000	0.000	1385.77	
25	0.7627	1192.7	1213.8	1213.6	1.030	6.029	65.243	20.857	6.057	0.204	0.496	0.035	0.039	0.010	0.000	0.000	0.000	0.000	1389.87	
26	0.7107	1164.0	1184.6	1184.4	0.996	2.956	72.454	20.274	2.865	0.118	0.277	0.023	0.028	0.009	0.000	0.000	0.000	0.000	1405.31	
27	0.7038	1160.3	1180.8	1180.6	0.988	2.545	73.406	20.206	2.445	0.106	0.247	0.022	0.027	0.009	0.000	0.000	0.000	0.000	1407.59	
28	0.7266	1174.1	1194.9	1194.7	1.030	3.779	70.265	20.587	3.748	0.152	0.369	0.028	0.033	0.009	0.000	0.000	0.000	0.000	1401.87	
29	0.7367	1182.7	1203.6	1203.4	1.056	4.162	69.005	20.740	4.327	0.179	0.444	0.034	0.041	0.012	0.000	0.000	0.000	0.000	1402.31	
30	0.7356	1180.2	1201.1	1200.9	1.059	4.200	69.103	20.687	4.278	0.174	0.424	0.031	0.037	0.010	0.000	0.000	0.000	0.000	1400.50	
<b>Avg</b>	<b>0.7176</b>	<b>1166.0</b>	<b>1186.5</b>	<b>1186.3</b>	<b>0.977</b>	<b>3.517</b>	<b>71.341</b>	<b>20.419</b>	<b>3.302</b>	<b>0.118</b>	<b>0.276</b>	<b>0.021</b>	<b>0.024</b>	<b>0.006</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1401.20</b>	

# Source Daily Summary

November 2025

Source #: 091  
Name: MNT BRD-PLRMO BRD-BIS STN

<b>Pressure Base:</b>	14.730	<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60	<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.7604	1187.0	1208.0	1207.6	1.006	6.194	65.431	20.695	5.946	0.193	0.463	0.030	0.034	0.007	0.000	0.000	0.000	0.000	1385.35	
2	0.7562	1180.0	1200.9	1200.5	1.011	6.225	65.880	20.539	5.682	0.179	0.423	0.026	0.029	0.005	0.000	0.000	0.000	0.000	1380.95	
3	0.7545	1176.7	1197.6	1197.2	1.010	6.264	66.079	20.410	5.607	0.172	0.403	0.024	0.026	0.005	0.000	0.000	0.000	0.000	1378.72	
4	0.7566	1180.2	1201.1	1200.7	1.028	6.226	65.858	20.502	5.719	0.181	0.427	0.026	0.028	0.005	0.000	0.000	0.000	0.000	1380.79	
5	0.7587	1183.1	1204.1	1203.7	1.043	6.217	65.626	20.593	5.818	0.188	0.448	0.028	0.031	0.006	0.000	0.000	0.000	0.000	1382.33	
6	0.7597	1185.1	1206.0	1205.7	1.041	6.192	65.546	20.615	5.877	0.194	0.465	0.030	0.033	0.006	0.000	0.000	0.000	0.000	1383.73	
7	0.7585	1183.0	1203.9	1203.5	1.036	6.219	65.700	20.508	5.816	0.193	0.461	0.029	0.032	0.007	0.000	0.000	0.000	0.000	1382.35	
8	0.7586	1183.2	1204.2	1203.8	1.039	6.207	65.664	20.561	5.817	0.191	0.453	0.029	0.032	0.007	0.000	0.000	0.000	0.000	1382.58	
9	0.7589	1183.8	1204.7	1204.3	1.038	6.202	65.612	20.614	5.826	0.190	0.451	0.029	0.031	0.007	0.000	0.000	0.000	0.000	1382.94	
10	0.7595	1183.8	1204.7	1204.3	1.033	6.273	65.509	20.613	5.855	0.191	0.458	0.030	0.033	0.007	0.000	0.000	0.000	0.000	1382.33	
11	0.7610	1185.6	1206.6	1206.2	1.036	6.295	65.355	20.631	5.929	0.199	0.479	0.032	0.036	0.008	0.000	0.000	0.000	0.000	1383.13	
12	0.7602	1184.6	1205.6	1205.2	1.041	6.272	65.472	20.576	5.896	0.197	0.474	0.031	0.035	0.007	0.000	0.000	0.000	0.000	1382.70	
13	0.7623	1189.2	1210.3	1209.9	1.043	6.183	65.284	20.678	6.026	0.206	0.501	0.034	0.038	0.008	0.000	0.000	0.000	0.000	1386.18	
14	0.7618	1187.9	1208.9	1208.5	1.042	6.215	65.366	20.589	6.003	0.206	0.498	0.034	0.038	0.008	0.000	0.000	0.000	0.000	1385.09	
15	0.7606	1185.9	1206.9	1206.5	1.044	6.227	65.453	20.586	5.947	0.197	0.473	0.031	0.034	0.008	0.000	0.000	0.000	0.000	1383.84	
16	0.7607	1186.1	1207.1	1206.7	1.042	6.229	65.456	20.573	5.947	0.198	0.480	0.032	0.036	0.008	0.000	0.000	0.000	0.000	1383.94	
17	0.7604	1185.5	1206.5	1206.1	1.043	6.231	65.484	20.562	5.937	0.197	0.473	0.031	0.034	0.008	0.000	0.000	0.000	0.000	1383.57	
18	0.7615	1187.0	1208.1	1207.7	1.049	6.235	65.380	20.559	6.012	0.202	0.487	0.032	0.036	0.008	0.000	0.000	0.000	0.000	1384.32	
19	0.7621	1188.9	1210.0	1209.6	1.046	6.179	65.296	20.687	6.020	0.203	0.491	0.033	0.037	0.008	0.000	0.000	0.000	0.000	1386.01	
20	0.7576	1180.1	1201.0	1200.7	1.043	6.293	65.798	20.402	5.762	0.185	0.445	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1379.87	
21	0.7561	1177.4	1198.3	1197.9	1.043	6.323	65.969	20.300	5.681	0.181	0.434	0.029	0.033	0.008	0.000	0.000	0.000	0.000	1378.02	
22	0.7605	1185.7	1206.7	1206.3	1.043	6.235	65.463	20.581	5.931	0.197	0.475	0.032	0.036	0.008	0.000	0.000	0.000	0.000	1383.63	
23	0.7624	1189.5	1210.5	1210.2	1.044	6.179	65.244	20.725	6.035	0.203	0.491	0.033	0.037	0.008	0.000	0.000	0.000	0.000	1386.35	
24	0.7615	1187.7	1208.7	1208.4	1.045	6.201	65.336	20.681	5.985	0.198	0.477	0.032	0.036	0.009	0.000	0.000	0.000	0.000	1385.09	
25	0.7631	1190.3	1211.4	1211.0	1.047	6.189	65.139	20.768	6.094	0.200	0.484	0.033	0.036	0.008	0.000	0.000	0.000	0.000	1386.67	
26	0.7625	1189.5	1210.6	1210.2	1.047	6.175	65.244	20.695	6.087	0.198	0.478	0.032	0.035	0.008	0.000	0.000	0.000	0.000	1386.36	
27	0.7608	1185.9	1206.9	1206.6	1.048	6.234	65.407	20.615	5.977	0.192	0.458	0.030	0.032	0.007	0.000	0.000	0.000	0.000	1383.69	
28	0.7618	1187.4	1208.5	1208.1	1.049	6.237	65.337	20.568	6.061	0.199	0.477	0.031	0.034	0.008	0.000	0.000	0.000	0.000	1384.56	
29	0.7622	1188.0	1209.1	1208.8	1.045	6.239	65.271	20.624	6.072	0.199	0.477	0.031	0.034	0.008	0.000	0.000	0.000	0.000	1384.92	
30	0.7632	1189.8	1210.9	1210.6	1.043	6.226	65.167	20.663	6.136	0.202	0.486	0.032	0.036	0.008	0.000	0.000	0.000	0.000	1386.09	
Avg	0.7601	1185.0	1206.3	1205.9	1.039	6.227	65.494	20.591	5.917	0.194	0.466	0.031	0.034	0.007	0.000	0.000	0.000	0.000	1383.54	

# Gas Composition and Properties

Effective October 1, 2021

Attachment B  
Page 8 of 25

Source #: 2501030  
Name: LIGNITE PLANT

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide (CO2)	0.2283		0.5237
Nitrogen (N2)	2.9631		4.3268
Methane (C1)	79.4957		66.4767
Ethane (C2)	15.2390	4.0765	23.8852
Propane (C3)	2.0456	0.5637	4.7019
Isobutane (IC4)	0.0244	0.0080	0.0739
n-Butane (NC4)	0.0039	0.0012	0.0118
Isopentane (IC5)			
n-Pentane (NC5)			
Hexanes Plus (C6+)			
Argon (Ar)			
Carbon Monoxide (CO)			
Hydrogen (H2)			
Oxygen (O2)			
Helium (He)			
Water (H2O)			
Hydrogen Sulfide (H2S)			
<b>Totals</b>	<b>100.0000</b>	<b>4.6490</b>	<b>100.0000</b>

Property	Total Sample
Pressure Base	14.73
Temperature Base	60
HCDP @ Sample Pressure	
Cricondentherm	-32.804
HV, Dry @ Base P, T	1130.73
HV, Sat @ Base P, T	1111.05
HV, Sat @ Sample P, T	1130.73
Relative Density	0.6640
C6+: 100	

**Sample**

Date: 10/01/2021                      Type:

Tech: Wayne Sampson

Pressure:                                      Temp.:

Gauge:    H2O:

Atm. Pressure:                                      H2S:

Remarks:

**Analysis**

Date:    Instrument:

Tech:    Cylinder:

Remarks:



# Source Daily Summary

November 2025

Source #: 603  
Name: TIOGA STN-COUNTY LINE PLANT

<b>Pressure Base:</b>	14.730		<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60		<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.7294	1181.0	1201.9	1201.6	1.081	3.537	70.276	20.454	3.928	0.180	0.440	0.039	0.050	0.016	0.000	0.000	0.000	0.000	1407.36	
2	0.7331	1187.2	1208.2	1207.9	1.087	3.496	69.926	20.520	4.186	0.193	0.474	0.044	0.056	0.018	0.000	0.000	0.000	0.000	1411.16	
3	0.7318	1186.5	1207.5	1207.1	1.090	3.422	69.932	20.811	3.991	0.187	0.457	0.041	0.052	0.017	0.000	0.000	0.000	0.000	1411.47	
4	0.7318	1185.2	1206.2	1205.8	1.099	3.480	70.146	20.415	4.031	0.198	0.506	0.046	0.059	0.020	0.000	0.000	0.000	0.000	1409.99	
5	0.7304	1182.3	1203.2	1202.9	1.096	3.532	70.099	20.652	3.857	0.184	0.464	0.042	0.055	0.018	0.000	0.000	0.000	0.000	1407.92	
6	0.7293	1180.8	1201.7	1201.3	1.091	3.533	70.151	20.698	3.819	0.174	0.434	0.037	0.047	0.015	0.000	0.000	0.000	0.000	1407.10	
7	0.7312	1182.9	1203.9	1203.6	1.091	3.579	69.971	20.665	3.950	0.183	0.449	0.042	0.054	0.017	0.000	0.000	0.000	0.000	1407.85	
8	0.7276	1177.0	1197.8	1197.5	1.105	3.584	70.268	20.715	3.655	0.170	0.408	0.035	0.045	0.014	0.000	0.000	0.000	0.000	1404.23	
9	0.7281	1177.1	1197.9	1197.6	1.097	3.637	70.139	20.837	3.597	0.172	0.420	0.037	0.048	0.016	0.000	0.000	0.000	0.000	1403.87	
10	0.7256	1173.6	1194.4	1194.0	1.100	3.604	70.888	20.025	3.600	0.181	0.472	0.046	0.061	0.024	0.000	0.000	0.000	0.000	1402.16	
11	0.7285	1178.1	1199.0	1198.6	1.113	3.581	70.214	20.728	3.643	0.168	0.433	0.042	0.056	0.021	0.000	0.000	0.000	0.000	1404.76	
12	0.7220	1169.5	1190.3	1190.0	1.033	3.620	71.441	19.497	3.714	0.168	0.422	0.037	0.049	0.018	0.000	0.000	0.000	0.000	1400.68	
13	0.7339	1186.4	1207.4	1207.1	1.077	3.636	69.657	20.691	4.196	0.185	0.454	0.039	0.049	0.016	0.000	0.000	0.000	0.000	1409.39	
14	0.7339	1186.4	1207.4	1207.1	1.078	3.640	69.606	20.821	4.079	0.191	0.470	0.043	0.054	0.018	0.000	0.000	0.000	0.000	1409.31	
15	0.7332	1185.0	1206.0	1205.7	1.089	3.642	69.730	20.782	3.919	0.199	0.509	0.048	0.062	0.019	0.000	0.000	0.000	0.000	1408.40	
16	0.7349	1188.2	1209.2	1208.9	1.085	3.614	69.629	20.784	3.969	0.209	0.554	0.056	0.074	0.026	0.000	0.000	0.000	0.000	1410.51	
17	0.7330	1185.1	1206.1	1205.7	1.088	3.615	69.791	20.792	3.852	0.197	0.519	0.051	0.068	0.026	0.000	0.000	0.000	0.000	1408.74	
18	0.7321	1183.7	1204.7	1204.3	1.094	3.612	69.780	20.874	3.860	0.185	0.474	0.044	0.057	0.019	0.000	0.000	0.000	0.000	1407.92	
19	0.7320	1183.9	1204.9	1204.6	1.092	3.590	69.896	20.740	3.860	0.194	0.495	0.047	0.063	0.022	0.000	0.000	0.000	0.000	1408.29	
20	0.7280	1178.8	1199.6	1199.3	1.091	3.536	70.346	20.632	3.652	0.175	0.442	0.043	0.058	0.023	0.000	0.000	0.000	0.000	1405.94	
21	0.7285	1179.6	1200.5	1200.2	1.090	3.525	70.353	20.537	3.736	0.184	0.463	0.041	0.052	0.018	0.000	0.000	0.000	0.000	1406.56	
22	0.7337	1187.6	1208.7	1208.4	1.096	3.515	69.824	20.658	4.052	0.203	0.520	0.048	0.062	0.021	0.000	0.000	0.000	0.000	1411.05	
23	0.7340	1187.5	1208.5	1208.2	1.085	3.567	70.015	20.237	4.177	0.216	0.559	0.053	0.068	0.023	0.000	0.000	0.000	0.000	1410.58	
24	0.7300	1180.5	1201.4	1201.1	1.077	3.632	70.548	19.858	4.010	0.206	0.532	0.050	0.064	0.022	0.000	0.000	0.000	0.000	1406.10	
25	0.7291	1179.5	1200.4	1200.1	1.083	3.600	70.398	20.263	3.877	0.189	0.471	0.044	0.056	0.018	0.000	0.000	0.000	0.000	1405.81	
26	0.7334	1186.9	1207.9	1207.6	1.091	3.543	69.961	20.419	4.117	0.212	0.530	0.047	0.059	0.020	0.000	0.000	0.000	0.000	1410.40	
27	0.7347	1188.8	1209.9	1209.6	1.096	3.535	69.897	20.388	4.143	0.223	0.577	0.053	0.067	0.021	0.000	0.000	0.000	0.000	1411.49	
28	0.7317	1183.8	1204.7	1204.5	1.094	3.562	70.125	20.466	3.869	0.203	0.536	0.052	0.068	0.024	0.000	0.000	0.000	0.000	1408.43	
29	0.7287	1178.9	1199.8	1199.5	1.092	3.589	70.351	20.432	3.765	0.184	0.472	0.043	0.054	0.018	0.000	0.000	0.000	0.000	1405.46	
30	0.7266	1174.9	1195.7	1195.4	1.093	3.633	70.621	20.270	3.623	0.180	0.464	0.043	0.055	0.018	0.000	0.000	0.000	0.000	1402.70	
Avg	0.7307	1182.0	1203.2	1202.8	1.089	3.573	70.133	20.522	3.891	0.190	0.481	0.045	0.057	0.020	0.000	0.000	0.000	0.000	1407.52	

# Source Daily Summary

November 2025

Source #: 043  
Name: BISMARCK STN-CLEVELAND STN

<b>Pressure Base:</b>	14.730	<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60	<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.7582	1187.5	1208.5	1207.4	0.953	6.045	65.838	20.496	5.939	0.190	0.471	0.029	0.032	0.008	0.000	0.000	0.000	0.000	1387.86	
2	0.7546	1181.5	1202.5	1201.4	0.957	6.063	66.224	20.368	5.713	0.178	0.437	0.026	0.027	0.006	0.000	0.000	0.000	0.000	1384.23	
3	0.7526	1177.8	1198.7	1197.7	0.956	6.103	66.463	20.217	5.619	0.172	0.416	0.024	0.025	0.006	0.000	0.000	0.000	0.000	1381.74	
4	0.7543	1180.8	1201.7	1200.6	0.968	6.069	66.245	20.366	5.687	0.177	0.431	0.025	0.026	0.006	0.000	0.000	0.000	0.000	1383.57	
5	0.7569	1184.5	1205.4	1204.3	0.987	6.052	65.961	20.483	5.809	0.187	0.457	0.028	0.029	0.007	0.000	0.000	0.000	0.000	1385.57	
6	0.7576	1185.9	1206.9	1205.9	0.986	6.033	65.934	20.438	5.875	0.192	0.473	0.029	0.031	0.008	0.000	0.000	0.000	0.000	1386.61	
7	0.7550	1182.9	1203.8	1202.8	0.980	5.978	66.294	20.317	5.709	0.190	0.466	0.029	0.030	0.008	0.000	0.000	0.000	0.000	1385.48	
8	0.7452	1172.5	1193.3	1192.4	0.986	5.686	67.658	19.828	5.201	0.169	0.413	0.025	0.027	0.007	0.000	0.000	0.000	0.000	1382.32	
9	0.7362	1162.5	1183.1	1182.3	0.999	5.434	68.941	19.317	4.736	0.152	0.369	0.022	0.023	0.006	0.000	0.000	0.000	0.000	1378.84	
10	0.7397	1166.9	1187.5	1186.8	0.983	5.516	68.427	19.576	4.899	0.158	0.384	0.024	0.025	0.008	0.000	0.000	0.000	0.000	1380.79	
11	0.7508	1178.9	1199.7	1198.9	0.979	5.839	66.912	20.071	5.492	0.184	0.454	0.029	0.031	0.010	0.000	0.000	0.000	0.000	1384.57	
12	0.7563	1184.1	1205.0	1204.2	0.988	6.019	66.148	20.313	5.791	0.193	0.477	0.030	0.032	0.009	0.000	0.000	0.000	0.000	1385.65	
13	0.7577	1187.6	1208.7	1207.8	0.990	5.933	66.059	20.339	5.899	0.201	0.500	0.032	0.035	0.011	0.000	0.000	0.000	0.000	1388.48	
14	0.7602	1189.5	1210.6	1209.8	0.988	6.044	65.726	20.413	6.024	0.207	0.516	0.033	0.036	0.012	0.000	0.000	0.000	0.000	1388.52	
15	0.7544	1182.1	1203.1	1202.2	0.994	5.950	66.383	20.275	5.683	0.187	0.460	0.029	0.031	0.008	0.000	0.000	0.000	0.000	1385.11	
16	0.7554	1184.4	1205.4	1204.6	0.990	5.911	66.327	20.256	5.774	0.192	0.478	0.031	0.033	0.009	0.000	0.000	0.000	0.000	1386.87	
17	0.7505	1177.9	1198.7	1197.9	0.997	5.838	66.983	19.980	5.510	0.181	0.445	0.028	0.030	0.008	0.000	0.000	0.000	0.000	1383.74	
18	0.7494	1177.9	1198.7	1197.9	0.996	5.733	67.266	19.785	5.512	0.183	0.455	0.029	0.032	0.009	0.000	0.000	0.000	0.000	1384.76	
19	0.7437	1172.5	1193.2	1192.4	0.993	5.535	68.164	19.346	5.280	0.177	0.437	0.028	0.030	0.009	0.000	0.000	0.000	0.000	1383.65	
20	0.7449	1172.4	1193.2	1192.4	0.996	5.649	67.825	19.614	5.265	0.170	0.418	0.026	0.028	0.009	0.000	0.000	0.000	0.000	1382.46	
21	0.7541	1181.5	1202.4	1201.6	0.993	5.957	66.462	20.176	5.702	0.185	0.456	0.028	0.030	0.009	0.000	0.000	0.000	0.000	1384.71	
22	0.7599	1189.2	1210.3	1209.4	0.990	6.039	65.696	20.493	6.009	0.200	0.497	0.032	0.034	0.011	0.000	0.000	0.000	0.000	1388.39	
23	0.7606	1190.6	1211.7	1210.7	0.990	6.024	65.628	20.511	6.060	0.202	0.505	0.033	0.035	0.011	0.000	0.000	0.000	0.000	1389.30	
24	0.7593	1189.3	1210.4	1209.5	0.990	5.980	65.790	20.487	5.984	0.198	0.493	0.032	0.035	0.011	0.000	0.000	0.000	0.000	1388.99	
25	0.7541	1184.6	1205.6	1204.7	0.984	5.791	66.427	20.427	5.661	0.184	0.455	0.029	0.031	0.010	0.000	0.000	0.000	0.000	1388.25	
26	0.7526	1184.1	1205.1	1204.3	0.977	5.690	66.717	20.265	5.642	0.184	0.454	0.029	0.031	0.010	0.000	0.000	0.000	0.000	1389.06	
27	0.7467	1174.4	1195.2	1194.4	0.980	5.719	67.528	19.748	5.381	0.170	0.413	0.025	0.027	0.008	0.000	0.000	0.000	0.000	1383.17	
28	0.7464	1176.2	1197.0	1196.2	0.975	5.591	67.557	19.916	5.305	0.173	0.421	0.026	0.028	0.009	0.000	0.000	0.000	0.000	1385.52	
29	0.7451	1176.8	1197.6	1196.9	0.941	5.483	67.636	20.128	5.175	0.168	0.407	0.025	0.027	0.008	0.000	0.000	0.000	0.000	1387.47	
30	0.7413	1173.7	1194.5	1193.8	0.930	5.331	68.127	20.074	4.930	0.160	0.389	0.024	0.026	0.008	0.000	0.000	0.000	0.000	1387.37	
Avg	0.7518	1180.0	1201.3	1200.4	0.981	5.834	66.778	20.134	5.576	0.182	0.448	0.028	0.030	0.009	0.000	0.000	0.000	0.000	1385.43	

# Source Daily Summary

November 2025

Source #: 063  
Name: CLEVELAND STN-MAPLETON

<b>Pressure Base:</b>	14.730	<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60	<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.7581	1187.2	1208.3	1208.0	0.953	6.048	65.859	20.487	5.932	0.189	0.470	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1387.70	
2	0.7546	1181.5	1202.5	1201.5	0.957	6.063	66.231	20.368	5.713	0.178	0.437	0.026	0.027	0.000	0.000	0.000	0.000	0.000	1384.23	
3	0.7526	1177.8	1198.7	1197.5	0.956	6.103	66.469	20.217	5.619	0.172	0.416	0.024	0.025	0.000	0.000	0.000	0.000	0.000	1381.74	
4	0.7543	1180.8	1201.7	1201.3	0.968	6.069	66.251	20.366	5.687	0.177	0.431	0.025	0.026	0.000	0.000	0.000	0.000	0.000	1383.57	
5	0.7569	1184.5	1205.4	1205.2	0.987	6.052	65.967	20.483	5.810	0.187	0.457	0.028	0.029	0.000	0.000	0.000	0.000	0.000	1385.58	
6	0.7576	1185.9	1206.9	1206.7	0.986	6.034	65.943	20.437	5.875	0.192	0.473	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1386.60	
7	0.7550	1182.9	1203.8	1203.6	0.980	5.978	66.301	20.317	5.709	0.190	0.466	0.029	0.030	0.000	0.000	0.000	0.000	0.000	1385.48	
8	0.7452	1172.5	1193.3	1192.4	0.986	5.686	67.663	19.829	5.202	0.169	0.413	0.025	0.027	0.000	0.000	0.000	0.000	0.000	1382.32	
9	0.7362	1162.5	1183.1	1182.2	0.999	5.434	68.948	19.317	4.736	0.152	0.368	0.022	0.023	0.000	0.000	0.000	0.000	0.000	1378.84	
10	0.7396	1166.8	1187.5	1186.6	0.983	5.516	68.436	19.576	4.899	0.158	0.384	0.024	0.025	0.000	0.000	0.000	0.000	0.000	1380.79	
11	0.7508	1178.9	1199.7	1198.8	0.979	5.838	66.923	20.070	5.492	0.184	0.454	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1384.57	
12	0.7563	1184.1	1205.0	1204.0	0.988	6.019	66.157	20.313	5.791	0.193	0.477	0.030	0.032	0.000	0.000	0.000	0.000	0.000	1385.65	
13	0.7577	1187.6	1208.6	1207.6	0.990	5.934	66.071	20.339	5.898	0.201	0.500	0.032	0.035	0.000	0.000	0.000	0.000	0.000	1388.47	
14	0.7602	1189.5	1210.6	1209.7	0.988	6.044	65.737	20.413	6.024	0.207	0.516	0.033	0.036	0.000	0.000	0.000	0.000	0.000	1388.52	
15	0.7544	1182.1	1203.1	1202.1	0.994	5.951	66.391	20.275	5.683	0.187	0.460	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1385.11	
16	0.7554	1184.4	1205.4	1204.5	0.990	5.911	66.336	20.256	5.774	0.192	0.478	0.031	0.033	0.000	0.000	0.000	0.000	0.000	1386.87	
17	0.7505	1177.9	1198.7	1197.8	0.997	5.838	66.992	19.980	5.510	0.181	0.445	0.028	0.030	0.000	0.000	0.000	0.000	0.000	1383.74	
18	0.7492	1175.1	1195.9	1194.9	1.030	5.833	67.164	19.880	5.420	0.179	0.428	0.028	0.030	0.007	0.000	0.000	0.000	0.000	1381.67	
19	0.7477	1174.8	1195.6	1194.6	1.038	5.700	67.542	19.614	5.405	0.186	0.442	0.030	0.033	0.010	0.000	0.000	0.000	0.000	1382.67	
20	0.7638	1174.5	1195.3	1194.3	1.112	6.175	64.689	21.526	5.779	0.190	0.460	0.030	0.033	0.007	0.000	0.000	0.000	0.000	1369.97	
21	0.7541	1181.5	1202.4	1201.5	0.993	5.957	66.472	20.176	5.702	0.185	0.456	0.028	0.030	0.000	0.000	0.000	0.000	0.000	1384.71	
22	0.7599	1189.2	1210.3	1209.3	0.990	6.039	65.707	20.493	6.009	0.200	0.497	0.032	0.034	0.000	0.000	0.000	0.000	0.000	1388.38	
23	0.7606	1190.6	1211.7	1210.7	0.990	6.024	65.640	20.511	6.059	0.202	0.505	0.033	0.035	0.000	0.000	0.000	0.000	0.000	1389.30	
24	0.7591	1188.9	1210.0	1209.0	0.990	5.980	65.802	20.487	5.984	0.198	0.493	0.032	0.035	0.000	0.000	0.000	0.000	0.000	1388.76	
25	0.7541	1184.6	1205.6	1204.6	0.984	5.790	66.438	20.427	5.661	0.184	0.455	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1388.25	
26	0.7526	1184.1	1205.1	1204.1	0.977	5.690	66.727	20.265	5.642	0.184	0.454	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1389.05	
27	0.7467	1174.4	1195.2	1194.3	0.980	5.719	67.536	19.748	5.381	0.170	0.413	0.025	0.027	0.000	0.000	0.000	0.000	0.000	1383.17	
28	0.7464	1176.2	1197.0	1196.0	0.975	5.591	67.566	19.916	5.305	0.173	0.421	0.026	0.028	0.000	0.000	0.000	0.000	0.000	1385.52	
29	0.7451	1176.8	1197.6	1196.7	0.941	5.483	67.644	20.128	5.176	0.168	0.407	0.025	0.027	0.000	0.000	0.000	0.000	0.000	1387.47	
30	0.7413	1173.7	1194.5	1193.5	0.930	5.331	68.135	20.074	4.930	0.160	0.389	0.024	0.026	0.000	0.000	0.000	0.000	0.000	1387.38	
Avg	0.7525	1180.0	1201.3	1200.4	0.987	5.861	66.658	20.210	5.594	0.183	0.449	0.028	0.030	0.001	0.000	0.000	0.000	0.000	1384.87	

# Source Daily Summary

November 2025

Source #: 061  
Name: CLEVELAND STN-GRAFTON BDR

<b>Pressure Base:</b>	14.730	<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60	<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.7581	1187.2	1208.2	1208.0	0.953	6.050	65.863	20.485	5.931	0.189	0.470	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1387.64	
2	0.7546	1181.5	1202.4	1201.7	0.957	6.063	66.233	20.367	5.712	0.178	0.437	0.026	0.027	0.000	0.000	0.000	0.000	0.000	1384.22	
3	0.7526	1177.8	1198.7	1197.7	0.956	6.103	66.469	20.217	5.619	0.172	0.416	0.024	0.025	0.000	0.000	0.000	0.000	0.000	1381.74	
4	0.7542	1180.5	1201.4	1201.0	0.968	6.071	66.268	20.358	5.678	0.176	0.429	0.025	0.026	0.000	0.000	0.000	0.000	0.000	1383.39	
5	0.7569	1184.5	1205.4	1205.2	0.987	6.052	65.968	20.483	5.809	0.187	0.457	0.028	0.029	0.000	0.000	0.000	0.000	0.000	1385.58	
6	0.7576	1185.9	1206.9	1206.7	0.986	6.034	65.946	20.436	5.873	0.192	0.473	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1386.56	
7	0.7550	1182.9	1203.8	1203.6	0.980	5.978	66.301	20.317	5.709	0.190	0.466	0.029	0.030	0.000	0.000	0.000	0.000	0.000	1385.48	
8	0.7452	1172.5	1193.3	1192.6	0.986	5.685	67.667	19.828	5.200	0.169	0.413	0.025	0.027	0.000	0.000	0.000	0.000	0.000	1382.31	
9	0.7362	1162.5	1183.1	1182.5	0.999	5.434	68.948	19.317	4.736	0.152	0.368	0.022	0.023	0.000	0.000	0.000	0.000	0.000	1378.84	
10	0.7396	1166.8	1187.5	1186.9	0.983	5.516	68.436	19.576	4.899	0.158	0.384	0.024	0.025	0.000	0.000	0.000	0.000	0.000	1380.79	
11	0.7508	1178.9	1199.7	1199.1	0.979	5.838	66.923	20.070	5.492	0.184	0.454	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1384.57	
12	0.7563	1184.1	1205.0	1204.3	0.988	6.019	66.157	20.313	5.791	0.193	0.477	0.030	0.032	0.000	0.000	0.000	0.000	0.000	1385.65	
13	0.7577	1187.6	1208.6	1207.9	0.990	5.934	66.071	20.339	5.898	0.201	0.500	0.032	0.035	0.000	0.000	0.000	0.000	0.000	1388.47	
14	0.7602	1189.5	1210.6	1210.0	0.988	6.044	65.737	20.413	6.024	0.207	0.516	0.033	0.036	0.000	0.000	0.000	0.000	0.000	1388.52	
15	0.7544	1182.1	1203.1	1202.5	0.994	5.951	66.391	20.275	5.683	0.187	0.460	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1385.11	
16	0.7554	1184.4	1205.4	1204.8	0.990	5.911	66.336	20.256	5.774	0.192	0.478	0.031	0.033	0.000	0.000	0.000	0.000	0.000	1386.87	
17	0.7505	1177.9	1198.7	1198.1	0.997	5.838	66.992	19.980	5.510	0.181	0.445	0.028	0.030	0.000	0.000	0.000	0.000	0.000	1383.74	
18	0.7492	1175.2	1196.0	1195.4	1.028	5.833	67.157	19.893	5.418	0.178	0.427	0.028	0.030	0.007	0.000	0.000	0.000	0.000	1381.76	
19	0.7478	1174.9	1195.7	1195.1	1.038	5.700	67.539	19.608	5.412	0.186	0.444	0.030	0.032	0.010	0.000	0.000	0.000	0.000	1382.75	
20	0.7468	1174.2	1195.0	1194.3	1.020	5.680	67.548	19.777	5.314	0.175	0.423	0.028	0.030	0.006	0.000	0.000	0.000	0.000	1382.83	
21	0.7541	1181.5	1202.4	1201.7	0.993	5.957	66.472	20.176	5.702	0.185	0.456	0.028	0.030	0.000	0.000	0.000	0.000	0.000	1384.71	
22	0.7599	1189.2	1210.3	1209.5	0.990	6.039	65.707	20.493	6.009	0.200	0.497	0.032	0.034	0.000	0.000	0.000	0.000	0.000	1388.38	
23	0.7606	1190.6	1211.7	1210.9	0.990	6.024	65.640	20.511	6.059	0.202	0.505	0.033	0.035	0.000	0.000	0.000	0.000	0.000	1389.30	
24	0.7591	1188.9	1210.0	1209.3	0.990	5.980	65.802	20.487	5.984	0.198	0.493	0.032	0.035	0.000	0.000	0.000	0.000	0.000	1388.79	
25	0.7541	1184.6	1205.6	1204.9	0.984	5.790	66.438	20.427	5.661	0.184	0.455	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1388.25	
26	0.7526	1184.1	1205.1	1204.4	0.977	5.690	66.727	20.265	5.642	0.184	0.454	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1389.05	
27	0.7467	1174.4	1195.2	1194.6	0.980	5.719	67.536	19.748	5.381	0.170	0.413	0.025	0.027	0.000	0.000	0.000	0.000	0.000	1383.17	
28	0.7464	1176.2	1197.0	1196.7	0.975	5.591	67.566	19.916	5.305	0.173	0.421	0.026	0.028	0.000	0.000	0.000	0.000	0.000	1385.52	
29	0.7451	1176.8	1197.6	1197.4	0.941	5.483	67.644	20.128	5.175	0.168	0.407	0.025	0.027	0.000	0.000	0.000	0.000	0.000	1387.47	
30	0.7413	1173.7	1194.5	1194.3	0.930	5.331	68.135	20.074	4.930	0.160	0.389	0.024	0.026	0.000	0.000	0.000	0.000	0.000	1387.38	
Avg	0.7520	1180.0	1201.3	1200.7	0.984	5.845	66.754	20.151	5.578	0.182	0.448	0.028	0.030	0.001	0.000	0.000	0.000	0.000	1385.29	

# Source Daily Summary

November 2025

Source #: 662  
Name: MAPLETON-WAHPETON

<b>Pressure Base:</b>	14.730	<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60	<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.5887	1030.5	1048.8	1048.5	0.516	0.348	93.835	5.024	0.233	0.019	0.019	0.004	0.003	0.000	0.000	0.000	0.000	0.000	1366.89	-87.87
2	0.5879	1029.2	1047.4	1047.1	0.515	0.358	93.927	4.971	0.197	0.014	0.014	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1366.04	-89.26
3	0.5874	1028.4	1046.6	1046.3	0.517	0.358	93.910	5.084	0.121	0.006	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.54	-91.16
4	0.5871	1027.7	1045.9	1045.6	0.520	0.362	93.979	5.008	0.121	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.04	-91.52
5	0.5881	1029.3	1047.5	1047.2	0.527	0.357	93.763	5.227	0.116	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.86	-90.61
6	0.5884	1030.2	1048.4	1048.1	0.509	0.355	93.693	5.315	0.118	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1366.77	-90.21
7	0.5892	1030.5	1048.7	1048.4	0.525	0.384	93.552	5.405	0.122	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1366.25	-89.69
8	0.5898	1030.9	1049.2	1048.8	0.537	0.397	93.447	5.475	0.133	0.006	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1366.14	-89.19
9	0.5900	1031.3	1049.5	1049.2	0.537	0.394	93.406	5.523	0.131	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1366.38	-89.07
10	0.5896	1030.7	1048.9	1048.6	0.533	0.401	93.477	5.442	0.136	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1366.04	-89.36
11	0.5898	1030.9	1049.2	1048.9	0.539	0.394	93.447	5.472	0.137	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1366.15	-89.17
12	0.5900	1030.3	1048.5	1048.3	0.560	0.424	93.428	5.433	0.144	0.006	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.01	-89.16
13	0.5899	1030.0	1048.2	1047.9	0.563	0.427	93.456	5.394	0.148	0.006	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.75	-89.23
14	0.5895	1029.4	1047.6	1047.3	0.563	0.422	93.543	5.318	0.142	0.006	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.44	-89.67
15	0.5888	1027.5	1045.7	1045.3	0.568	0.468	93.662	5.165	0.124	0.006	0.005	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1362.71	-90.55
16	0.5962	1039.9	1058.3	1058.0	0.560	0.414	92.660	5.847	0.416	0.042	0.047	0.009	0.006	0.000	0.000	0.000	0.000	0.000	1370.59	-76.46
17	0.5897	1030.2	1048.4	1048.1	0.549	0.413	93.484	5.407	0.137	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.28	-89.45
18	0.5900	1031.1	1049.4	1049.1	0.545	0.396	93.442	5.442	0.160	0.007	0.006	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1366.13	-88.73
19	0.5906	1031.9	1050.2	1049.8	0.553	0.387	93.404	5.439	0.185	0.014	0.014	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1366.51	-87.59
20	0.5904	1031.5	1049.8	1049.5	0.560	0.383	93.424	5.440	0.165	0.012	0.012	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1366.21	-88.06
21	0.5901	1031.1	1049.3	1049.1	0.556	0.389	93.432	5.460	0.142	0.009	0.008	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1365.97	-88.65
22	0.5899	1030.7	1048.9	1048.7	0.550	0.399	93.425	5.499	0.116	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.72	-89.31
23	0.5899	1030.5	1048.7	1048.5	0.556	0.401	93.424	5.500	0.111	0.005	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.50	-89.43
24	0.5901	1031.2	1049.4	1049.2	0.546	0.392	93.377	5.563	0.112	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1366.18	-89.14
25	0.5902	1030.7	1048.9	1048.7	0.559	0.411	93.368	5.541	0.112	0.005	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1365.43	-89.24
26	0.5895	1029.9	1048.1	1047.9	0.535	0.438	93.465	5.441	0.111	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.08	-89.76
27	0.5900	1030.8	1049.0	1048.7	0.542	0.418	93.383	5.530	0.118	0.005	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.71	-89.25
28	0.5903	1031.0	1049.3	1049.0	0.549	0.416	93.342	5.566	0.119	0.005	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.75	-89.07
29	0.5911	1031.6	1049.9	1049.6	0.572	0.420	93.206	5.669	0.124	0.005	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.63	-88.43
30	0.5913	1031.9	1050.2	1049.9	0.569	0.425	93.197	5.645	0.149	0.007	0.006	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1365.79	-87.93
Avg	0.5898	1031.0	1048.9	1048.6	0.544	0.398	93.485	5.408	0.147	0.008	0.007	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1365.85	-88.87

# Source Daily Summary

November 2025

Source #: 041  
Name: BISMARCK STN-GLEN ULLIN STN

<b>Pressure Base:</b>	14.730	<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60	<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.6722	1096.7	1116.1	1115.5	0.993	3.444	78.954	14.298	2.087	0.062	0.141	0.008	0.009	0.003	0.000	0.000	0.000	0.000	1361.41	
2	0.7201	1153.4	1173.8	1173.2	1.023	4.448	70.337	20.716	3.124	0.095	0.226	0.013	0.013	0.004	0.000	0.000	0.000	0.000	1383.53	
3	0.6929	1134.7	1154.8	1154.2	0.962	3.129	74.186	19.934	1.593	0.057	0.118	0.008	0.008	0.004	0.000	0.000	0.000	0.000	1387.35	
4	0.7088	1140.4	1160.6	1160.0	0.944	4.299	72.246	19.353	2.834	0.089	0.205	0.012	0.013	0.004	0.000	0.000	0.000	0.000	1378.60	
5	0.7464	1174.0	1194.8	1194.2	0.984	5.707	67.369	20.131	5.182	0.166	0.404	0.024	0.026	0.007	0.000	0.000	0.000	0.000	1383.08	
6	0.7435	1171.8	1192.5	1191.9	0.987	5.575	67.784	20.017	5.020	0.163	0.397	0.024	0.026	0.007	0.000	0.000	0.000	0.000	1383.12	
7	0.6873	1118.9	1138.7	1138.2	0.952	3.586	75.173	18.549	1.571	0.049	0.104	0.006	0.006	0.003	0.000	0.000	0.000	0.000	1373.55	
8	0.7000	1127.6	1147.6	1147.1	0.986	4.189	74.050	17.665	2.785	0.088	0.207	0.013	0.013	0.005	0.000	0.000	0.000	0.000	1371.84	
9	0.6877	1110.5	1130.1	1129.7	1.027	4.015	75.897	16.611	2.200	0.068	0.158	0.010	0.010	0.004	0.000	0.000	0.000	0.000	1362.92	
10	0.6729	1098.7	1118.2	1117.7	0.984	3.412	77.867	16.267	1.328	0.042	0.086	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1363.12	
11	0.6682	1093.8	1113.2	1112.7	0.972	3.289	78.665	15.752	1.202	0.036	0.072	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1361.77	
12	0.6656	1088.9	1108.2	1107.7	1.018	3.278	79.089	15.420	1.093	0.031	0.061	0.004	0.004	0.002	0.000	0.000	0.000	0.000	1358.28	
13	0.6615	1084.7	1103.9	1103.4	1.016	3.144	79.846	14.900	1.003	0.028	0.054	0.003	0.003	0.002	0.000	0.000	0.000	0.000	1357.30	
14	0.6557	1077.0	1096.0	1095.5	1.051	3.017	81.041	13.832	0.976	0.025	0.050	0.003	0.003	0.002	0.000	0.000	0.000	0.000	1353.55	
15	0.6706	1092.7	1112.1	1111.7	1.069	3.435	77.801	16.765	0.863	0.021	0.040	0.002	0.002	0.002	0.000	0.000	0.000	0.000	1358.04	
16	0.6552	1075.1	1094.1	1093.7	1.036	3.110	80.924	14.044	0.817	0.021	0.041	0.002	0.002	0.002	0.000	0.000	0.000	0.000	1351.70	
17	0.6618	1082.5	1101.6	1101.2	1.096	3.190	79.658	15.134	0.854	0.021	0.040	0.002	0.002	0.002	0.000	0.000	0.000	0.000	1354.17	
18	0.6543	1074.5	1093.6	1093.2	1.059	3.025	81.187	13.799	0.856	0.022	0.044	0.002	0.003	0.002	0.000	0.000	0.000	0.000	1351.92	
19	0.6440	1067.8	1086.7	1086.3	0.990	2.562	83.306	12.227	0.833	0.024	0.049	0.003	0.003	0.002	0.000	0.000	0.000	0.000	1354.22	
20	0.6509	1072.9	1091.9	1091.5	1.037	2.837	81.804	13.473	0.782	0.020	0.040	0.002	0.002	0.002	0.000	0.000	0.000	0.000	1353.41	
21	0.6572	1080.3	1099.4	1099.0	1.050	2.962	80.626	14.399	0.887	0.024	0.045	0.002	0.002	0.002	0.000	0.000	0.000	0.000	1356.13	
22	0.6550	1078.6	1097.7	1097.3	1.036	2.873	81.243	13.750	1.003	0.028	0.058	0.003	0.003	0.002	0.000	0.000	0.000	0.000	1356.37	
23	0.6679	1090.5	1109.8	1109.3	1.039	3.356	79.286	14.556	1.590	0.048	0.108	0.007	0.007	0.003	0.000	0.000	0.000	0.000	1358.00	
24	0.6626	1089.5	1108.8	1108.4	1.003	2.976	79.630	15.304	0.996	0.028	0.054	0.003	0.003	0.002	0.000	0.000	0.000	0.000	1362.08	
25	0.6779	1112.6	1132.3	1132.0	0.895	3.166	76.762	17.742	1.302	0.040	0.080	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1375.33	
26	0.7184	1150.7	1171.1	1170.7	0.942	4.575	71.522	18.682	3.805	0.124	0.302	0.020	0.021	0.008	0.000	0.000	0.000	0.000	1381.88	
27	0.6718	1099.8	1119.2	1118.9	0.892	3.381	78.481	15.347	1.715	0.052	0.113	0.007	0.008	0.003	0.000	0.000	0.000	0.000	1365.68	
28	0.6725	1104.7	1124.3	1123.9	0.903	3.130	77.972	16.475	1.379	0.044	0.086	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1370.95	
29	0.6898	1130.4	1150.4	1150.0	0.766	3.397	74.880	18.871	1.892	0.059	0.117	0.007	0.007	0.003	0.000	0.000	0.000	0.000	1385.15	
30	0.6972	1136.0	1156.2	1155.8	0.801	3.699	73.881	19.069	2.288	0.074	0.161	0.010	0.011	0.005	0.000	0.000	0.000	0.000	1384.71	
<b>Avg</b>	<b>0.6797</b>	<b>1107.0</b>	<b>1126.6</b>	<b>1126.1</b>	<b>0.984</b>	<b>3.540</b>	<b>77.049</b>	<b>16.436</b>	<b>1.795</b>	<b>0.055</b>	<b>0.122</b>	<b>0.007</b>	<b>0.008</b>	<b>0.003</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1366.64</b>	

# Source Daily Summary

November 2025

Source #: 271  
Name: DCKSN BRD-BLFD TSF-G.U. STN

<b>Pressure Base:</b>	14.730		<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60		<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.6969	1140.6	1160.8	1160.2	1.010	3.084	73.080	21.321	1.349	0.049	0.095	0.006	0.006	0.000	0.000	0.000	0.000	0.000	1390.44	
2	0.6929	1135.1	1155.2	1154.6	0.891	3.219	73.949	20.260	1.512	0.054	0.104	0.006	0.006	0.000	0.000	0.000	0.000	0.000	1387.78	
3	0.6821	1108.9	1128.5	1128.0	0.989	3.652	75.757	18.291	1.198	0.037	0.068	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1366.44	
4	0.6831	1110.5	1130.2	1129.8	1.013	3.616	75.407	18.796	1.074	0.031	0.058	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1367.41	
5	0.6882	1124.3	1144.2	1143.8	0.904	3.416	74.632	19.594	1.321	0.043	0.081	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1379.25	
6	0.6897	1126.3	1146.3	1145.8	0.896	3.446	74.241	20.016	1.285	0.040	0.072	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1380.25	
7	0.6831	1111.6	1131.3	1130.9	0.968	3.618	75.362	18.886	1.077	0.031	0.055	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1368.71	
8	0.6788	1100.1	1119.6	1119.3	1.060	3.774	76.249	17.799	1.035	0.029	0.052	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1358.87	
9	0.6785	1100.6	1120.1	1119.7	1.062	3.710	76.442	17.577	1.112	0.033	0.060	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1359.75	
10	0.6822	1111.1	1130.8	1130.4	0.955	3.577	75.939	18.025	1.367	0.045	0.084	0.005	0.005	0.000	0.000	0.000	0.000	0.000	1369.08	
11	0.6828	1111.3	1131.0	1130.5	0.978	3.593	75.580	18.551	1.193	0.035	0.064	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1368.66	
12	0.6802	1106.3	1125.9	1125.4	1.003	3.616	75.868	18.459	0.978	0.026	0.047	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1365.11	
13	0.6815	1106.1	1125.7	1125.1	1.103	3.601	75.507	18.899	0.836	0.020	0.033	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.54	
14	0.6756	1094.8	1114.2	1113.7	1.094	3.747	76.548	17.835	0.736	0.015	0.024	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1355.52	
15	0.6790	1101.1	1120.6	1120.1	1.147	3.600	76.133	18.160	0.913	0.018	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1359.88	
16	0.6751	1094.5	1113.9	1113.5	1.141	3.640	76.776	17.626	0.771	0.017	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1355.75	
17	0.6739	1089.3	1108.6	1108.3	1.158	3.820	77.020	17.179	0.777	0.017	0.028	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1350.47	
18	0.6747	1090.1	1109.4	1109.0	1.143	3.870	76.794	17.402	0.750	0.016	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1350.67	
19	0.6846	1112.0	1131.7	1131.2	1.088	3.557	74.839	19.653	0.811	0.019	0.032	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1367.63	
20	0.6807	1101.8	1121.3	1121.0	1.152	3.712	75.666	18.618	0.801	0.019	0.032	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1359.06	
21	0.6869	1119.1	1138.9	1138.5	1.012	3.447	74.663	19.713	1.074	0.031	0.056	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1374.16	
22	0.6955	1137.3	1157.4	1156.9	0.943	3.254	73.165	21.214	1.295	0.042	0.079	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1387.86	
23	0.6953	1137.1	1157.3	1156.8	0.966	3.211	72.982	21.640	1.100	0.033	0.062	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1387.89	
24	0.6906	1128.4	1148.4	1148.1	0.859	3.461	74.374	19.587	1.558	0.051	0.098	0.006	0.005	0.000	0.000	0.000	0.000	0.000	1381.88	
25	0.6909	1128.0	1147.9	1147.6	0.869	3.501	74.359	19.514	1.593	0.052	0.100	0.006	0.006	0.000	0.000	0.000	0.000	0.000	1381.03	
26	0.6871	1122.3	1142.2	1141.9	0.819	3.559	75.234	18.498	1.712	0.057	0.110	0.006	0.006	0.000	0.000	0.000	0.000	0.000	1377.95	
27	0.6893	1125.9	1145.8	1145.6	0.910	3.410	74.664	19.339	1.521	0.050	0.097	0.005	0.005	0.000	0.000	0.000	0.000	0.000	1380.15	
28	0.6911	1130.4	1150.4	1150.2	0.812	3.458	74.568	19.126	1.852	0.059	0.113	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1383.77	
29	0.6900	1128.8	1148.8	1148.5	0.799	3.466	74.711	19.067	1.775	0.058	0.112	0.006	0.006	0.000	0.000	0.000	0.000	0.000	1382.97	
30	0.6909	1129.0	1148.9	1148.7	0.848	3.467	74.508	19.280	1.722	0.056	0.108	0.006	0.006	0.000	0.000	0.000	0.000	0.000	1382.28	
<b>Avg</b>	<b>0.6850</b>	<b>1115.0</b>	<b>1135.2</b>	<b>1134.8</b>	<b>0.986</b>	<b>3.537</b>	<b>75.167</b>	<b>18.998</b>	<b>1.203</b>	<b>0.036</b>	<b>0.067</b>	<b>0.003</b>	<b>0.003</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1371.47</b>	

# Source Daily Summary

November 2025

Source #: 051  
Name: CABIN CRK STN-BELFIELD TRSFR

<b>Pressure Base:</b>	14.730	<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60	<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.6794	1106.8	1126.4	1125.4	0.936	3.605	77.000	16.508	1.755	0.061	0.119	0.008	0.008	0.000	0.000	0.000	0.000	0.000	1366.50	
2	0.6808	1110.3	1130.0	1129.6	0.842	3.658	76.712	16.763	1.826	0.063	0.122	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1369.50	
3	0.6818	1111.6	1131.3	1130.9	0.860	3.651	76.460	17.044	1.792	0.061	0.117	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1370.06	
4	0.6802	1108.7	1128.3	1127.6	0.859	3.680	76.725	16.798	1.753	0.059	0.111	0.007	0.007	0.000	0.000	0.000	0.000	0.000	1368.08	
5	0.6823	1113.7	1133.4	1132.9	0.771	3.702	76.312	17.178	1.850	0.061	0.113	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1372.18	
6	0.6807	1111.9	1131.5	1131.2	0.744	3.705	76.621	16.890	1.853	0.061	0.114	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1371.52	
7	0.6828	1113.8	1133.5	1133.1	0.832	3.653	76.242	17.278	1.811	0.059	0.112	0.007	0.007	0.000	0.000	0.000	0.000	0.000	1371.76	
8	0.6885	1126.4	1146.3	1146.1	0.782	3.492	75.269	18.269	1.982	0.065	0.125	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1381.58	
9	0.6858	1121.0	1140.8	1140.3	0.823	3.509	75.849	17.653	1.947	0.068	0.134	0.009	0.009	0.000	0.000	0.000	0.000	0.000	1377.60	
10	0.6833	1115.2	1134.9	1134.5	0.835	3.609	76.214	17.290	1.857	0.062	0.118	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1372.98	
11	0.6778	1104.6	1124.2	1123.8	0.830	3.742	77.064	16.527	1.677	0.052	0.097	0.006	0.006	0.000	0.000	0.000	0.000	0.000	1365.50	
12	0.6754	1110.4	1130.0	1129.9	0.441	3.761	77.073	16.943	1.646	0.047	0.081	0.004	0.003	0.000	0.000	0.000	0.000	0.000	1375.04	
13	0.6732	1111.5	1131.2	1130.9	0.260	3.765	77.244	17.010	1.611	0.040	0.066	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1378.62	
14	0.6776	1112.7	1132.4	1132.3	0.490	3.749	76.882	16.902	1.826	0.052	0.091	0.005	0.003	0.000	0.000	0.000	0.000	0.000	1375.71	
15	0.6841	1118.2	1138.0	1137.8	0.756	3.623	76.078	17.386	1.958	0.064	0.121	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1375.84	
16	0.6824	1113.3	1133.0	1132.8	0.758	3.764	76.305	17.094	1.892	0.061	0.113	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1371.46	
17	0.6845	1117.3	1137.1	1136.9	0.755	3.716	75.957	17.431	1.945	0.064	0.119	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1374.37	
18	0.6780	1101.1	1120.6	1120.3	0.900	3.873	77.121	16.219	1.720	0.055	0.101	0.006	0.005	0.000	0.000	0.000	0.000	0.000	1360.91	
19	0.6836	1112.4	1132.1	1131.9	0.880	3.744	76.245	17.007	1.922	0.065	0.122	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1369.10	
20	0.6871	1120.9	1140.7	1139.9	0.800	3.673	75.701	17.503	2.091	0.074	0.142	0.009	0.007	0.000	0.000	0.000	0.000	0.000	1376.15	
21	0.6869	1121.8	1141.7	1140.9	0.772	3.636	75.647	17.691	2.032	0.070	0.135	0.009	0.007	0.000	0.000	0.000	0.000	0.000	1377.56	
22	0.6862	1120.7	1140.5	1139.7	0.777	3.636	75.746	17.627	1.995	0.069	0.133	0.009	0.007	0.000	0.000	0.000	0.000	0.000	1376.81	
23	0.6840	1117.0	1136.8	1136.1	0.756	3.678	76.064	17.384	1.911	0.066	0.125	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1374.60	
24	0.6855	1120.0	1139.8	1139.0	0.744	3.663	75.787	17.644	1.954	0.067	0.126	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1376.64	
25	0.6837	1116.6	1136.3	1135.5	0.786	3.637	76.124	17.362	1.889	0.064	0.122	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1374.28	
26	0.6818	1111.4	1131.1	1130.1	0.855	3.670	76.448	17.041	1.798	0.061	0.114	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1369.83	
27	0.6876	1124.1	1144.0	1143.0	0.753	3.594	75.511	17.847	2.092	0.066	0.123	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1379.60	
28	0.6839	1115.2	1134.9	1134.0	0.856	3.638	76.136	17.280	1.896	0.063	0.118	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1372.32	
29	0.6802	1106.4	1126.0	1125.1	0.909	3.741	76.630	16.903	1.651	0.054	0.100	0.006	0.005	0.000	0.000	0.000	0.000	0.000	1365.28	
30	0.6802	1106.5	1126.1	1125.2	0.932	3.702	76.647	16.920	1.631	0.055	0.102	0.006	0.005	0.000	0.000	0.000	0.000	0.000	1365.35	
<b>Avg</b>	<b>0.6823</b>	<b>1114.0</b>	<b>1133.8</b>	<b>1133.2</b>	<b>0.776</b>	<b>3.676</b>	<b>76.327</b>	<b>17.180</b>	<b>1.852</b>	<b>0.061</b>	<b>0.114</b>	<b>0.007</b>	<b>0.006</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1372.56</b>	

# Source Daily Summary

November 2025

Source #: 111  
Name: LITTLE KNIFE PLANT

<b>Pressure Base:</b>	14.730	<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60	<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.6976	1139.3	1159.5	1157.7	1.172	2.990	71.916	23.462	0.445	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.22	-24.82
2	0.6978	1139.3	1159.4	1158.1	1.178	3.000	71.906	23.438	0.463	0.006	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1387.99	-24.71
3	0.6984	1140.5	1160.7	1158.9	1.166	2.997	71.780	23.571	0.470	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.94	-24.34
4	0.6979	1140.0	1160.2	1158.5	1.163	2.992	71.852	23.524	0.454	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.76	-24.60
5	0.6981	1140.2	1160.4	1158.5	1.168	2.985	71.834	23.539	0.459	0.006	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.87	-24.50
6	0.6967	1137.2	1157.4	1155.9	1.227	2.947	72.165	23.199	0.444	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.59	-25.34
7	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
8	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
9	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
10	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
11	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
12	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
13	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
14	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
15	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
16	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
17	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
18	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
19	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
20	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
21	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
22	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
23	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
24	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
25	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
26	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
27	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
28	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
29	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
30	0.6960	1136.4	1156.5	1155.0	1.259	2.887	72.318	23.103	0.417	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.24	-25.74
<b>Avg</b>	0.6964	1137.0	1157.1	1155.6	1.243	2.906	72.236	23.173	0.425	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1386.64	-25.53

# Source Daily Summary

November 2025

Source #: 011  
Name: BAKER STN-MARM/BOWMAN TRANSFER

<b>Pressure Base:</b>	14.730	<b>Contract Day:</b>	1
<b>Temperature Base:</b>	60	<b>Contract Hour:</b>	9

Day	Relative Density	Heating Value Wet	Heating Value Dry	Heating Value As Del	CO2	N2	C1	C2	C3	IC4	NC4	IC5	NC5	C6	C7	C8	C9	C10	Wobbe	CCT
1	0.6807	1125.7	1145.6	1144.0	1.018	2.438	77.216	17.233	1.849	0.072	0.149	0.011	0.011	0.002	0.000	0.000	0.000	0.000	1388.60	-21.50
2	0.6784	1118.8	1138.6	1137.2	1.051	2.599	77.502	16.891	1.745	0.063	0.129	0.009	0.009	0.002	0.000	0.000	0.000	0.000	1382.39	-24.13
3	0.6808	1124.1	1144.0	1142.6	1.030	2.530	77.121	17.263	1.832	0.066	0.136	0.010	0.010	0.003	0.000	0.000	0.000	0.000	1386.51	-22.16
4	0.6803	1123.2	1143.1	1141.8	1.013	2.564	77.183	17.199	1.822	0.064	0.133	0.009	0.010	0.002	0.000	0.000	0.000	0.000	1385.88	-22.59
5	0.6805	1125.1	1145.0	1143.6	0.936	2.585	77.130	17.245	1.878	0.066	0.137	0.010	0.010	0.002	0.000	0.000	0.000	0.000	1388.00	-21.98
6	0.6809	1126.9	1146.9	1145.2	0.874	2.609	77.036	17.318	1.937	0.067	0.138	0.010	0.010	0.002	0.000	0.000	0.000	0.000	1389.82	-21.48
7	0.6800	1124.6	1144.5	1143.1	0.910	2.615	77.193	17.174	1.883	0.066	0.137	0.010	0.010	0.002	0.000	0.000	0.000	0.000	1387.82	-22.18
8	0.6815	1125.4	1145.3	1144.3	0.940	2.658	76.987	17.243	1.940	0.068	0.143	0.010	0.010	0.002	0.000	0.000	0.000	0.000	1387.34	-21.22
9	0.6818	1126.3	1146.2	1145.1	0.909	2.680	76.838	17.443	1.905	0.066	0.138	0.009	0.009	0.002	0.000	0.000	0.000	0.000	1388.10	-21.47
10	0.6815	1125.3	1145.2	1143.8	0.916	2.694	76.988	17.205	1.969	0.066	0.141	0.009	0.009	0.002	0.000	0.000	0.000	0.000	1387.27	-21.31
11	0.6814	1119.8	1139.6	1138.2	0.949	2.975	76.947	16.970	1.938	0.065	0.135	0.009	0.009	0.002	0.000	0.000	0.000	0.000	1380.53	-22.26
12	0.6751	1105.9	1125.5	1124.1	1.030	3.107	77.906	16.130	1.655	0.052	0.104	0.007	0.007	0.001	0.000	0.000	0.000	0.000	1369.71	-28.35
13	0.6696	1096.2	1115.6	1114.0	1.055	3.142	78.780	15.433	1.449	0.043	0.086	0.006	0.006	0.001	0.000	0.000	0.000	0.000	1363.28	-33.27
14	0.6724	1110.9	1130.6	1129.0	0.857	2.809	78.295	16.207	1.696	0.041	0.085	0.005	0.004	0.001	0.000	0.000	0.000	0.000	1378.78	-29.04
15	0.6779	1118.8	1138.6	1137.4	0.942	2.717	77.640	16.572	1.918	0.058	0.133	0.008	0.008	0.002	0.000	0.000	0.000	0.000	1382.87	-23.68
16	0.6736	1107.9	1127.5	1126.1	1.061	2.795	78.363	15.889	1.715	0.049	0.112	0.007	0.007	0.002	0.000	0.000	0.000	0.000	1373.78	-27.84
17	0.6717	1110.8	1130.4	1129.2	0.843	2.770	78.725	15.619	1.836	0.062	0.127	0.008	0.008	0.002	0.000	0.000	0.000	0.000	1379.18	-27.82
18	0.6797	1121.8	1141.7	1140.2	0.923	2.727	77.328	16.827	1.985	0.063	0.129	0.008	0.008	0.002	0.000	0.000	0.000	0.000	1384.79	-22.72
19	0.6601	1086.3	1105.5	1104.3	0.919	3.061	80.565	13.904	1.408	0.045	0.084	0.006	0.006	0.002	0.000	0.000	0.000	0.000	1360.62	-37.38
20	0.6777	1120.0	1139.8	1138.5	0.924	2.653	77.722	16.539	1.947	0.063	0.133	0.008	0.009	0.002	0.000	0.000	0.000	0.000	1384.53	-23.31
21	0.6802	1124.4	1144.3	1142.7	0.908	2.640	77.263	16.965	2.006	0.064	0.135	0.009	0.009	0.002	0.000	0.000	0.000	0.000	1387.49	-21.88
22	0.6807	1123.7	1143.6	1142.0	0.937	2.682	77.157	17.029	1.981	0.063	0.131	0.008	0.008	0.002	0.000	0.000	0.000	0.000	1386.13	-22.06
23	0.6785	1120.6	1140.4	1138.7	0.888	2.748	77.385	16.917	1.861	0.061	0.123	0.008	0.008	0.002	0.000	0.000	0.000	0.000	1384.48	-23.81
24	0.6756	1116.8	1136.6	1135.3	0.912	2.669	77.993	16.390	1.834	0.060	0.123	0.008	0.008	0.002	0.000	0.000	0.000	0.000	1382.73	-25.08
25	0.6736	1113.2	1132.9	1131.9	0.936	2.663	78.349	16.085	1.771	0.059	0.120	0.008	0.008	0.002	0.000	0.000	0.000	0.000	1380.37	-26.40
26	0.6734	1114.3	1134.1	1133.0	0.869	2.677	78.363	16.086	1.808	0.058	0.121	0.008	0.008	0.002	0.000	0.000	0.000	0.000	1381.94	-26.12
27	0.6759	1119.0	1138.8	1137.9	0.839	2.672	77.911	16.484	1.893	0.060	0.122	0.008	0.008	0.002	0.000	0.000	0.000	0.000	1385.19	-24.51
28	0.6733	1114.8	1134.6	1133.8	0.856	2.655	78.399	16.064	1.830	0.058	0.119	0.008	0.008	0.002	0.000	0.000	0.000	0.000	1382.69	-26.10
29	0.6668	1099.8	1119.2	1118.3	0.883	2.918	79.576	14.741	1.687	0.058	0.118	0.008	0.008	0.002	0.000	0.000	0.000	0.000	1370.64	-30.57
30	0.6693	1104.1	1123.7	1121.8	0.916	2.843	79.123	15.212	1.710	0.057	0.119	0.008	0.008	0.002	0.000	0.000	0.000	0.000	1373.46	-28.88
<b>Avg</b>	<b>0.6764</b>	<b>1116.0</b>	<b>1136.2</b>	<b>1134.9</b>	<b>0.935</b>	<b>2.730</b>	<b>77.833</b>	<b>16.476</b>	<b>1.823</b>	<b>0.060</b>	<b>0.125</b>	<b>0.008</b>	<b>0.008</b>	<b>0.002</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1381.50</b>	<b>-25.04</b>



November-25

ZONE 550

**MANDAN BORDER**

NBPL - St Anthony

WBI - Mandan Border

**Weighted**

Start Date	End Date	MCF	DK	BTU	MCF	DK	BTU Zone 28	AVG BTU	
11/1/2025	11/2/2025	0	0	0	3474	3,880	1117.1	1117.100	11/1/2025
11/2/2025	11/3/2025	0	0	0	2685	3,142	1173.8	1173.800	11/2/2025
11/3/2025	11/4/2025	0	0	0	2604	3006	1154.8	1154.800	11/3/2025
11/4/2025	11/5/2025	0	0	0	3429	3,974	1160.6	1160.600	11/4/2025
11/5/2025	11/6/2025	0	0	0	2,927	3,498	1194.8	1194.800	11/5/2025
11/6/2025	11/7/2025	0	0	0	2,539	3,038	1192.5	1192.500	11/6/2025
11/7/2025	11/8/2025	0	0	0	4,004	4,557	1138.7	1138.700	11/7/2025
11/8/2025	11/9/2025	0	0	0	5,592	6,431	1147.6	1147.600	11/8/2025
11/9/2025	11/10/2025	0	0	0	5,315	6,033	1130.1	1130.100	11/9/2025
11/10/2025	11/11/2025	0	0	0	4,478	5,005	1118.2	1118.200	11/10/2025
11/11/2025	11/12/2025	0	0	0	3263	3,630	1113.2	1113.200	11/11/2025
11/12/2025	11/13/2025	0	0	0	3,305	3,661	1108.2	1108.200	11/12/2025
11/13/2025	11/14/2025	0	0	0	2,638	2,912	1103.9	1103.900	11/13/2025
11/14/2025	11/15/2025	38	41	1,089	2,156	2,365	1096	1095.879	11/14/2025
11/15/2025	11/16/2025	0	0	0	3,252	3,616	1112.1	1112.100	11/15/2025
11/16/2025	11/17/2025	0	0	0	3,499	3,830	1094.1	1094.100	11/16/2025
11/17/2025	11/18/2025	4,754	5,154	1,084	3,910	4,308	1101.6	1092.107	11/17/2025
11/18/2025	11/19/2025	6,665	7,222	1,084	3,386	3,702	1093.6	1087.035	11/18/2025
11/19/2025	11/20/2025	14	16	1,086	3,285	3,571	1086.7	1086.697	11/19/2025
11/20/2025	11/21/2025	1,387	1,502	1,084	4,057	4,432	1091.9	1089.811	11/20/2025
11/21/2025	11/22/2025	2,355	2,551	1,085	3,364	3,697	1099.4	1093.264	11/21/2025
11/22/2025	11/23/2025	0	0	0	3,358	3,683	1097.7	1097.700	11/22/2025
11/23/2025	11/24/2025	38	42	1,085	2,692	2,980	1109.8	1109.455	11/23/2025
11/24/2025	11/25/2025	0	0	0	3,578	3,981	1108.8	1108.800	11/24/2025
11/25/2025	11/26/2025	34	37	1,080	5,243	5,933	1132.3	1131.960	11/25/2025
11/26/2025	11/27/2025	0	0	0	5,489	6,446	1171.1	1171.100	11/26/2025
11/27/2025	11/28/2025	20	21	1,076	5,752	6,438	1119.2	1119.052	11/27/2025
11/28/2025	11/29/2025	4	4	1,083	6,097	6,849	1124.3	1124.273	11/28/2025
11/29/2025	11/30/2025	36	39	1,081	6,082	6,997	1150.4	1149.992	11/29/2025
11/30/2025	12/1/2025	13,949	15,056	1,079	7,298	8,452	1156.2	1105.648	11/30/2025
		29,294	31,685	433.1933	118,751	134,047	1126.6233	1124.0824	



# Alliance Pipeline

DAILY ANALYSIS --- USA  
 ND07MD1 --- Hankinson Sales  
 November 2025

DAY	Heating Value (BTU/ft3)	Relative Density	C1 Mol%	C2 Mol%	C3 Mol%	IC4 Mol%	NC4 Mol%	IC5 Mol%	NC5 Mol%	C6+ Mol%	N2 Mol%	CO2 Mol%	Hel Mol%
1	1,158.183	0.6638	83.9209	10.0762	3.5022	0.3706	0.6330	0.0622	0.0469	0.0209	0.8601	0.4974	0.0095
2	1,156.435	0.6628	84.0428	10.0276	3.4493	0.3637	0.6158	0.0622	0.0478	0.0206	0.8539	0.5067	0.0096
3	1,154.108	0.6608	84.2565	9.9795	3.3674	0.3503	0.5865	0.0604	0.0466	0.0199	0.8315	0.4916	0.0099
4	1,154.814	0.6611	84.1946	10.0260	3.3631	0.3499	0.6082	0.0596	0.0460	0.0193	0.8676	0.4567	0.0090
5	1,155.902	0.6621	83.9869	10.1744	3.4027	0.3476	0.5966	0.0591	0.0467	0.0192	0.8975	0.4592	0.0102
6	1,156.292	0.6621	83.9761	10.2203	3.3976	0.3460	0.5933	0.0606	0.0450	0.0187	0.8829	0.4496	0.0098
7	1,157.086	0.6625	83.8727	10.3196	3.4149	0.3469	0.5838	0.0589	0.0440	0.0193	0.8831	0.4481	0.0088
8	1,155.415	0.6615	84.0190	10.2320	3.3797	0.3388	0.5748	0.0577	0.0435	0.0179	0.8692	0.4573	0.0102
9	1,154.901	0.6603	84.1856	10.1909	3.3405	0.3386	0.5604	0.0573	0.0438	0.0181	0.8116	0.4432	0.0102
10	1,154.488	0.6601	84.1578	10.2501	3.3341	0.3285	0.5447	0.0546	0.0424	0.0178	0.8170	0.4428	0.0103
11	1,156.267	0.6617	83.9715	10.2810	3.4139	0.3397	0.5651	0.0555	0.0431	0.0174	0.8480	0.4543	0.0103
12	1,155.081	0.6610	84.0469	10.2595	3.3670	0.3342	0.5627	0.0536	0.0421	0.0176	0.8573	0.4487	0.0105
13	1,153.466	0.6595	84.2613	10.1702	3.3150	0.3291	0.5431	0.0524	0.0417	0.0175	0.8096	0.4492	0.0107
14	1,155.018	0.6608	84.0605	10.2688	3.3680	0.3322	0.5518	0.0528	0.0430	0.0181	0.8506	0.4435	0.0106
15	1,157.306	0.6628	83.8242	10.3462	3.4393	0.3403	0.5786	0.0576	0.0464	0.0184	0.8903	0.4481	0.0105
16	1,156.080	0.6622	83.8959	10.2978	3.4136	0.3383	0.5749	0.0542	0.0432	0.0188	0.8894	0.4636	0.0103
17	1,155.490	0.6616	84.0269	10.2027	3.3710	0.3430	0.5974	0.0541	0.0423	0.0189	0.8717	0.4619	0.0101
18	1,157.388	0.6626	83.9334	10.2228	3.4209	0.3518	0.6213	0.0557	0.0439	0.0192	0.8858	0.4356	0.0096
19	1,158.459	0.6639	83.6738	10.4204	3.4620	0.3443	0.6114	0.0529	0.0425	0.0166	0.9013	0.4642	0.0105
20	1,155.393	0.6608	84.0873	10.2575	3.3552	0.3358	0.5714	0.0520	0.0420	0.0169	0.8202	0.4512	0.0106
21	1,155.830	0.6611	84.0780	10.2320	3.3674	0.3414	0.5852	0.0512	0.0425	0.0180	0.8303	0.4440	0.0102
22	1,159.563	0.6637	83.7506	10.3875	3.4744	0.3513	0.6175	0.0534	0.0449	0.0176	0.8512	0.4406	0.0108
23	1,158.607	0.6632	83.8628	10.2672	3.4657	0.3498	0.6276	0.0530	0.0447	0.0179	0.8560	0.4453	0.0100
24	1,160.263	0.6642	83.7275	10.3145	3.5409	0.3558	0.6326	0.0523	0.0441	0.0172	0.8671	0.4377	0.0102
25	1,157.963	0.6623	83.9675	10.2567	3.4547	0.3456	0.6011	0.0508	0.0422	0.0171	0.8061	0.4472	0.0110
26	1,155.497	0.6603	84.2359	10.1353	3.3677	0.3401	0.5835	0.0507	0.0417	0.0165	0.7732	0.4443	0.0112
27	1,154.374	0.6601	84.1841	10.1948	3.3461	0.3330	0.5548	0.0532	0.0419	0.0157	0.8164	0.4491	0.0110
28	1,155.702	0.6608	84.1061	10.2410	3.3634	0.3360	0.5655	0.0567	0.0443	0.0190	0.8191	0.4381	0.0107
29	1,154.854	0.6603	84.1629	10.2072	3.3608	0.3319	0.5552	0.0548	0.0423	0.0165	0.8137	0.4438	0.0109
30	1,153.778	0.6594	84.2919	10.1395	3.3408	0.3268	0.5418	0.0541	0.0418	0.0163	0.7894	0.4470	0.0106
<b>Volume</b>	<b>1,156.162</b>	<b>0.6617</b>	<b>84.0227</b>	<b>10.2181</b>	<b>3.4001</b>	<b>0.3431</b>	<b>0.5857</b>	<b>0.0555</b>	<b>0.0438</b>	<b>0.0181</b>	<b>0.8483</b>	<b>0.4543</b>	<b>0.0102</b>
<b>Weight Avg Energy</b>	<b>1,156.165</b>	<b>0.6617</b>	<b>84.0224</b>	<b>10.2182</b>	<b>3.4002</b>	<b>0.3431</b>	<b>0.5858</b>	<b>0.0555</b>	<b>0.0438</b>	<b>0.0181</b>	<b>0.8484</b>	<b>0.4543</b>	<b>0.0102</b>



# Alliance Pipeline

DAILY ANALYSIS --- USA  
 ND14MD1 --- Milnor Sales  
 November 2025

DAY	Heating Value (BTU/ft3)	Relative Density	C1 Mol%	C2 Mol%	C3 Mol%	IC4 Mol%	NC4 Mol%	IC5 Mol%	NC5 Mol%	C6+ Mol%	N2 Mol%	CO2 Mol%	Hel Mol%
1	1,158.114	0.6638	83.9283	10.0755	3.5001	0.3702	0.6304	0.0624	0.0470	0.0211	0.8582	0.4973	0.0095
2	1,156.213	0.6626	84.0656	10.0242	3.4385	0.3625	0.6124	0.0625	0.0481	0.0207	0.8505	0.5053	0.0097
3	1,153.557	0.6604	84.3029	9.9612	3.3499	0.3484	0.5824	0.0598	0.0461	0.0197	0.8294	0.4903	0.0098
4	1,154.801	0.6612	84.1805	10.0278	3.3661	0.3497	0.6099	0.0594	0.0459	0.0189	0.8757	0.4569	0.0091
5	1,155.986	0.6621	83.9964	10.1797	3.4011	0.3472	0.5949	0.0591	0.0466	0.0193	0.8879	0.4576	0.0102
6	1,156.375	0.6621	83.9589	10.2392	3.3990	0.3451	0.5914	0.0603	0.0448	0.0187	0.8824	0.4505	0.0097
7	1,156.944	0.6624	83.8954	10.3045	3.4137	0.3462	0.5830	0.0587	0.0439	0.0191	0.8821	0.4449	0.0086
8	1,155.024	0.6611	84.0766	10.2118	3.3639	0.3375	0.5702	0.0575	0.0433	0.0177	0.8567	0.4545	0.0101
9	1,154.858	0.6603	84.1787	10.1997	3.3396	0.3374	0.5584	0.0571	0.0438	0.0181	0.8126	0.4443	0.0102
10	1,154.763	0.6603	84.1347	10.2644	3.3410	0.3290	0.5466	0.0545	0.0424	0.0178	0.8163	0.4429	0.0103
11	1,156.453	0.6618	83.9630	10.2911	3.4182	0.3395	0.5652	0.0553	0.0430	0.0175	0.8445	0.4525	0.0102
12	1,154.860	0.6607	84.0823	10.2490	3.3560	0.3326	0.5606	0.0535	0.0421	0.0178	0.8465	0.4490	0.0105
13	1,153.668	0.6596	84.2406	10.1917	3.3186	0.3286	0.5422	0.0521	0.0416	0.0175	0.8065	0.4498	0.0107
14	1,155.045	0.6608	84.0738	10.2492	3.3770	0.3319	0.5533	0.0521	0.0428	0.0184	0.8509	0.4402	0.0104
15	1,157.240	0.6628	83.8190	10.3390	3.4421	0.3408	0.5791	0.0577	0.0465	0.0185	0.8980	0.4487	0.0105
16	1,156.236	0.6624	83.8639	10.3268	3.4133	0.3377	0.5773	0.0534	0.0422	0.0185	0.8901	0.4667	0.0102
17	1,155.550	0.6616	84.0400	10.1842	3.3705	0.3452	0.6022	0.0546	0.0426	0.0190	0.8719	0.4598	0.0100
18	1,157.612	0.6628	83.8837	10.2651	3.4270	0.3489	0.6207	0.0552	0.0433	0.0187	0.8913	0.4364	0.0097
19	1,158.206	0.6636	83.7216	10.4034	3.4521	0.3442	0.6060	0.0528	0.0426	0.0167	0.8865	0.4638	0.0105
20	1,155.147	0.6607	84.1029	10.2509	3.3519	0.3343	0.5673	0.0516	0.0418	0.0170	0.8215	0.4502	0.0106
21	1,156.101	0.6613	84.0646	10.2374	3.3724	0.3428	0.5886	0.0514	0.0428	0.0181	0.8299	0.4420	0.0101
22	1,159.356	0.6635	83.7683	10.3787	3.4718	0.3494	0.6157	0.0529	0.0445	0.0176	0.8500	0.4405	0.0108
23	1,158.656	0.6632	83.8690	10.2523	3.4685	0.3512	0.6306	0.0534	0.0451	0.0181	0.8589	0.4432	0.0098
24	1,160.282	0.6643	83.7213	10.3176	3.5432	0.3555	0.6322	0.0523	0.0441	0.0172	0.8666	0.4399	0.0103
25	1,158.059	0.6622	83.9837	10.2475	3.4565	0.3467	0.6014	0.0509	0.0423	0.0171	0.7988	0.4443	0.0109
26	1,155.235	0.6602	84.2454	10.1370	3.3601	0.3387	0.5786	0.0511	0.0417	0.0164	0.7759	0.4439	0.0112
27	1,154.600	0.6603	84.1581	10.2105	3.3523	0.3335	0.5560	0.0531	0.0418	0.0158	0.8194	0.4486	0.0109
28	1,155.512	0.6607	84.1155	10.2370	3.3625	0.3356	0.5618	0.0565	0.0440	0.0184	0.8189	0.4391	0.0107
29	1,154.904	0.6604	84.1622	10.1996	3.3662	0.3323	0.5557	0.0550	0.0426	0.0167	0.8139	0.4449	0.0109
30	1,153.554	0.6592	84.3143	10.1353	3.3322	0.3254	0.5399	0.0537	0.0414	0.0159	0.7844	0.4470	0.0105
<b>Volume</b>	<b>1,155.941</b>	<b>0.6615</b>	<b>84.0436</b>	<b>10.2064</b>	<b>3.3940</b>	<b>0.3427</b>	<b>0.5834</b>	<b>0.0559</b>	<b>0.0438</b>	<b>0.0182</b>	<b>0.8470</b>	<b>0.4548</b>	<b>0.0101</b>
<b>Weight Avg Energy</b>	<b>1,155.943</b>	<b>0.6615</b>	<b>84.0436</b>	<b>10.2064</b>	<b>3.3940</b>	<b>0.3427</b>	<b>0.5835</b>	<b>0.0559</b>	<b>0.0438</b>	<b>0.0182</b>	<b>0.8470</b>	<b>0.4548</b>	<b>0.0101</b>

November-25

ZONE 610

Watford City

Watford City West Border

Watford City East Border

Weighted

Start Date	End Date	BTU			BTU			AVG BTU	
		MCF	DK	Zone 25	MCF	DK	Zone 43		
11/1/2025	11/2/2025	268	324	1205.3	313	328	1048.4	1120.774	11/1/2025
11/2/2025	11/3/2025	279	337	1205.3	398	417	1048.4	1113.060	11/2/2025
11/3/2025	11/4/2025	273	329	1205.3	375	393	1048.4	1114.501	11/3/2025
11/4/2025	11/5/2025	297	358	1205.3	526	551	1048.4	1105.021	11/4/2025
11/5/2025	11/6/2025	282	340	1205.3	445	466	1048.4	1109.261	11/5/2025
11/6/2025	11/7/2025	258	310	1205.3	317	333	1048.4	1118.800	11/6/2025
11/7/2025	11/8/2025	316	381	1205.3	578	606	1048.4	1103.859	11/7/2025
11/8/2025	11/9/2025	404	487	1205.3	846	887	1048.4	1099.110	11/8/2025
11/9/2025	11/10/2025	373	450	1205.3	730	765	1048.4	1101.459	11/9/2025
11/10/2025	11/11/2025	300	362	1205.3	421	441	1048.4	1113.684	11/10/2025
11/11/2025	11/12/2025	292	352	1205.3	450	472	1048.4	1110.145	11/11/2025
11/12/2025	11/13/2025	292	352	1205.3	547	574	1048.4	1103.006	11/12/2025
11/13/2025	11/14/2025	238	287	1205.3	333	349	1048.4	1113.798	11/13/2025
11/14/2025	11/15/2025	250	302	1205.3	465	488	1048.4	1103.260	11/14/2025
11/15/2025	11/16/2025	299	361	1205.3	536	562	1048.4	1104.583	11/15/2025
11/16/2025	11/17/2025	322	388	1205.3	589	617	1048.4	1103.858	11/16/2025
11/17/2025	11/18/2025	305	367	1205.3	631	662	1048.4	1099.527	11/17/2025
11/18/2025	11/19/2025	273	330	1205.3	477	500	1048.4	1105.512	11/18/2025
11/19/2025	11/20/2025	321	387	1205.3	635	666	1048.4	1101.083	11/19/2025
11/20/2025	11/21/2025	334	402	1205.3	764	801	1048.4	1096.127	11/20/2025
11/21/2025	11/22/2025	294	355	1205.3	461	484	1048.4	1109.497	11/21/2025
11/22/2025	11/23/2025	277	334	1205.3	464	487	1048.4	1107.052	11/22/2025
11/23/2025	11/24/2025	281	338	1205.3	422	443	1048.4	1111.115	11/23/2025
11/24/2025	11/25/2025	342	412	1205.3	679	712	1048.4	1100.956	11/24/2025
11/25/2025	11/26/2025	455	548	1205.3	1,037	1,087	1048.4	1096.248	11/25/2025
11/26/2025	11/27/2025	498	600	1205.3	1,127	1,182	1048.4	1096.484	11/26/2025
11/27/2025	11/28/2025	473	571	1205.3	1,130	1,185	1048.4	1094.697	11/27/2025
11/28/2025	11/29/2025	463	559	1205.3	992	1,040	1048.4	1098.328	11/28/2025
11/29/2025	11/30/2025	545	657	1205.3	1,253	1,314	1048.4	1095.959	11/29/2025
11/30/2025	12/1/2025	584	704	1205.3	1,306	1,369	1048.4	1096.881	11/30/2025
		10,188	12,284	1205.3000	19,247	20,181	1048.4000	1104.9216	



<b>NORTH DAKOTA HEATING VALUE ZONES</b>		
<b>ZONES</b>	<b>MEASURING DEVICE</b>	<b>LOCATION</b>
211	Chromatograph	Sidney Border
24	Chromatograph	Williston Border
241	Accumulated Sample	Fairview Border
25	Accumulated Sample	Watford City West Border
260	Chromatograph	North Tioga Transfer
261	Chromatograph	Tioga Comp Station – Robinson Lake Plant
262	Chromatograph	Minot Border
263	Accumulated Sample	Lignite Plant
264	Accumulated Sample	Epping Border
265	Chromatograph	Tioga Comp Station – County Line Plant
271	Chromatograph	Bismarck – Cleveland
272	Chromatograph	Cleveland – Mapleton
273	Chromatograph	Cleveland – Grafton
274	Chromatograph	Kindred – Wahpeton
28	Chromatograph	Bismarck Station
31	Chromatograph	Dickinson Border
32	Chromatograph	Cabin Creek Station
33	Chromatograph	Little Knife Plant
34	Chromatograph	Bowman Border
43	Accumulated Sample	Watford City East Border
550	Accumulated Sample & Chromatograph	Mandan Border
600	Chromatograph	Hankinson Area
601	Chromatograph	Milnor Area
610	Accumulated Sample & Chromatograph	Watford City
802	Chromatograph	Linton

MONTANA DAKOTA UTILITIES CO  
NORTH DAKOTA  
HEATING VALUE DATA

STATE	ZONE	ZONE BOUNDARY	12 MONTH AVERAGE	NOV25	OCT25	SEP25	AUG25	JUL25	JUN25	MAY25	APR25	MAR25	FEB25	JAN25	DEC24
MT/ND	211	Sidney Border - MonDak Tfr - Sidney Plt	1186	1191	1192	1190	1193	1186	1185	1181	1193	1186	1173	1183	1183
ND	24	Williston Border - Charbonneau Station	1193	1193	1197	1194	1202	1193	1191	1177	1194	1206	1197	1185	1182
ND	25	Watford City West Border	1201	1205	1190	1209	1206	1209	1202	1198	1198	1201	1206	1191	1193
ND	28	Bismarck Station - Glen Ullin Station	1168	1127	1195	1197	1208	1207	1205	1189	1172	1126	1116	1134	1136
ND	31	Dickinson Brd - Belfield Trf - G Ullin Stn	1123	1135	1149	1106	1087	1135	1110	1111	1110	1131	1129	1137	1139
ND/MT	32	Cabin Creek Station - Belfied Transfer	1128	1134	1115	1103	1130	1129	1136	1122	1135	1130	1133	1134	1130
ND	33	Little Knife Plant	1161	1157	1160	1161	1161	1160	1161	1163	1162	1162	1162	1164	1162
ND	34	Badlands Plant/Bowman Border	1086	1136	1087	1073	1071	1066	1065	1070	1067	1097	1097	1104	1104
ND	43	Watford City East Border	1060	1048	1044	1050	1052	1057	1044	1040	1041	1041	1094	1107	1107
ND/MT	241	Fairview Border	1188	1192	1181	1192	1199	1194	1186	1186	1186	1191	1182	1183	1181
ND	267	North Tioga Transfer - Nesson Plant	1185	1169	1173	1171	1171	1188	1183	1185	1188	1197	1197	1194	1204
ND	261	Tioga Comp Station - Robinson Lake Plant	1200	1187	1189	1204	1206	1206	1198	1197	1198	1204	1209	1198	1209
ND	262	Minot Bdr - Palermo Bdr - Bismarck Stn	1205	1206	1204	1205	1206	1206	1204	1203	1200	1205	1210	1207	1209
ND	263	Lignite Plant	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131
ND	264	Epping Border	1187	1183	1180	1191	1193	1192	1180	1186	1186	1201	1202	1174	1174
ND	265	Tioga Comp Station - County Line Plant	1193	1203	1203	1203	1201	1204	1183	1180	1181	1184	1190	1191	1191
ND	266	County Line Plant	1196	1203	1207	1207	1210	1211	1186	1182	1182	1186	1193	1189	1192
ND	271	Bismarck Station - Cleveland Station	1191	1201	1173	1161	1208	1207	1205	1205	1201	1195	1158	1182	1190
ND	272	Cleveland Station - Mapleton	1189	1201	1173	1149	1207	1205	1204	1203	1200	1194	1157	1182	1190
ND	273	Cleveland Station - Grafton Border	1187	1201	1163	1149	1208	1205	1205	1202	1193	1194	1157	1182	1189
ND	274	Felton(Viking) - Kindred-Wahpeton	0	1049	1043	1044	1043	1054	1047	1049	1046	1047	1050	1050	1050
ND	550	Mandan Border / NBPL-St Anthony	1141	1124	1194	1154	1147	1140	1155	1175	1165	1105	1102	1120	1115
ND	610	MDU-Watford City BTU	1102	1105	1105	1102	1113	1067	1055	1086	1100	1096	1131	1133	1135
ND	802	NBPL - Linton	1083	1084	1084	1082	1083	1086	1077	1077	1076	1080	1085	1093	1093
ND	903	Hettinger Propane	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549
ND	600	Alliance Pipeline - Hankinson	1154	1156	1158	1155	1155	1153	1151	1154	1153	1150	1153	1155	1155
ND	601	Alliance Pipeline - Milnor	1154	1156	1159	1155	1155	1153	1151	1155	1153	1150	1153	1154	1155

<b>THERMAL ZONE VARIANCE DOCUMENTATION</b>		
<b>November 2025</b>		
<b><i>ZONE</i></b>	<b><i>BTU VARIANCE</i></b>	<b><i>REASON</i></b>
34	49	Operational/Blend
271	28	Operational/Blend
272	28	Operational/Blend
273	38	Operational/Blend
550	70	Operational/Blend