



A Subsidiary of MDU Resources Group, Inc.

400 North Fourth Street  
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April 17, 2025

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 – February 2025

Mr. Kahl,

Montana-Dakota Utilities Co. 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 reflect the BTU values shown on Attachment B and were used for billing purposes in March 2025.
2. Attachment B consists of copies of the monthly Heating Value Test Reports received from our suppliers for the month of February 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 February 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/ Travis R. Jacobson*

Travis R. Jacobson  
Vice President of Regulatory Affairs

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

<u>Town</u>	<u>Heat Zone</u>	<u>Therm Factor</u>
MDU-303-ALEXANDER	025	1.1249
MDU-308-ARNEGARD	025	1.1249
MDU-314-APPLE VALLEY	271	1.1405
MDU-318-BEACH	032	1.0480
MDU-319-BELFIELD	032	1.0557
MDU-323-BERTHOLD	262	1.1400
MDU-327-BISMARCK	028	1.0942
MDU-330-BOWMAN	034	1.0128
MDU-337-BURLINGTON	262	1.1646
MDU-343-CARRINGTON	273	1.1405
MDU-719-CASSELTON	272	1.1485
MDU-344-CLEVELAND	272	1.1324
MDU-364-CAVALIER	273	1.1645
MDU-365-DAWSON	271	1.1324
MDU-368-DES LACS	262	1.1482
MDU-369-DICKINSON	031	1.0662
MDU-374-FT TOTTEN	273	1.1485
MDU-375-DEVILS LAKE	273	1.1485
MDU-379-BARLOW	273	1.1405
MDU-384-EPPING	264	1.1088
MDU-387-ELDRIDGE	272	1.1405
MDU-407-GLADSTONE	031	1.0660
MDU-411-GLEN ULLIN	031	1.0739
MDU-413-GOLVA	032	1.0326
MDU-416-GARRISON	262	1.1501
MDU-417-GRAFTON	273	1.1795
MDU-403-GWINNER	601	1.1370
MDU-429-HEBRON	031	1.0739
MDU-432-HETTINGER	903	2.4049
MDU-449-JAMESTOWN	272	1.1485
MDU-459-KILLDEER	033	1.0994
MDU-751-KINDRED	272	1.1485
MDU-463-LANGDON	273	1.1405
MDU-469-LEFOR	031	1.0662
MDU-474-LIGNITE	263	1.0759
MDU-475-LINTON	802	1.0546
MDU-478-LINCOLN	028	1.0942
MDU-488-MCKENZIE	271	1.1405
MDU-494-MEDINA	271	1.1324
MDU-498-MANDAN	028	1.0942
MDU-500-MARMARTH	034	1.0202
MDU-505-MINOT	262	1.1646
MDU-510-MOTT	031	1.0662
MDU-512-MAX	262	1.1400
MDU-513-MILNOR	601	1.1370
MDU-522-NEW ENGLAND	031	1.0585
MDU-524-NEW SALEM	028	1.0711
MDU-532-NEW ROCKFORD	273	1.1405
MDU-539-PARK RIVER	273	1.1645

MDU-540-PALERMO	262	1.1400
MDU-558-RAY	264	1.1088
MDU-561-REGENT	031	1.0585
MDU-563-RHAME	034	1.0053
MDU-564-RICHARDTON	031	1.0585
MDU-568-ROSS	261	1.1234
MDU-572-RUTHVILLE	262	1.1646
MDU-574-SANBORN	272	1.1485
MDU-583-SENTINEL BUTTE	032	1.0480
MDU-588-SOUTH HEART	031	1.0585
MDU-717-SPIRITWOOD	272	1.1485
MDU-590-SPRINGBROOK	264	1.1088
MDU-591-STANLEY	261	1.1315
MDU-593-STEELE	271	1.1324
MDU-594-STERLING	028	1.0942
MDU-598-SHEYENNE	273	1.1485
MDU-605-SURREY	262	1.1646
MDU-610-TAPPEN	271	1.1324
MDU-611-TAYLOR	031	1.0603
MDU-616-TIOGA	260	1.1196
MDU-619-TURTLE LAKE	262	1.1482
MDU-620-TRENTON	024	1.1273
MDU-624-UNDERWOOD	262	1.1501
MDU-625-VALLEY CITY	272	1.1565
MDU-629-WALHALLA	273	1.1645
MDU-632-WATFORD CITY	610	1.0701
MDU-104-WAHPETON	247	1.0302
MDU-636-WHEELLOCK	264	1.1009
MDU-637-WHITE EARTH	261	1.1419
MDU-642-WILLISTON	024	1.1273
MDU-646-WASHBURN	262	1.1564
MDU-647-WILTON	262	1.1400
MDU-664-RIVERDALE	262	1.1501
MDU-691-FAIRVIEW	241	1.1254
MDU-712-MINOT AFB	262	1.1646
MDU-718-FAIRMOUNT	600	1.1356
MDU-732-NEKOMA	273	1.1405
MDU-732-MSR SITE	273	1.1405

# Source Daily Summary

February 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	0.6903	1153.5	1173.9	1173.6	0.037	3.147	73.950	20.806	1.974	0.034	0.050	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1412.92
2	0.6909	1155.1	1175.6	1175.4	0.037	3.108	73.701	21.205	1.874	0.031	0.044	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1414.30
3	0.6885	1151.0	1171.4	1171.1	0.036	3.137	74.069	20.910	1.789	0.025	0.034	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1411.69
4	0.6877	1149.2	1169.6	1169.3	0.040	3.157	74.175	20.848	1.721	0.024	0.034	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1410.41
5	0.6891	1151.3	1171.6	1171.4	0.038	3.174	73.945	20.996	1.785	0.026	0.037	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1411.39
6	0.6897	1151.5	1171.9	1171.7	0.037	3.215	73.843	21.032	1.807	0.027	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1411.13
7	0.6849	1141.9	1162.1	1161.8	0.144	3.189	74.923	19.903	1.762	0.030	0.045	0.001	0.001	0.002	0.000	0.000	0.000	0.000	0.000	1404.15
8	0.6816	1134.7	1154.8	1154.6	0.216	3.207	75.523	19.334	1.658	0.023	0.033	0.002	0.001	0.003	0.000	0.000	0.000	0.000	0.000	1398.73
9	0.6840	1139.8	1160.0	1159.8	0.192	3.151	75.116	19.744	1.725	0.027	0.039	0.002	0.001	0.003	0.000	0.000	0.000	0.000	0.000	1402.59
10	0.6885	1150.3	1170.7	1170.5	0.034	3.175	74.196	20.628	1.904	0.026	0.036	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1410.93
11	0.6926	1156.6	1177.1	1176.8	0.027	3.192	73.670	20.845	2.169	0.039	0.057	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1414.33
12	0.6930	1156.5	1176.9	1176.7	0.031	3.226	73.482	21.100	2.075	0.034	0.049	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1413.86
13	0.6922	1155.6	1176.0	1175.8	0.024	3.226	73.427	21.329	1.938	0.024	0.031	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1413.47
14	0.6904	1152.2	1172.6	1172.3	0.030	3.256	73.788	20.943	1.921	0.026	0.036	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1411.14
15	0.6915	1154.2	1174.6	1174.4	0.028	3.233	73.599	21.134	1.946	0.025	0.034	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1412.57
16	0.6900	1152.5	1172.9	1172.6	0.031	3.188	73.927	20.846	1.946	0.026	0.035	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1412.03
17	0.7125	1158.3	1178.8	1178.5	0.946	3.555	71.377	21.136	2.711	0.093	0.164	0.006	0.005	0.007	0.000	0.000	0.000	0.000	0.000	1396.70
18	0.7169	1166.3	1186.9	1186.7	0.937	3.501	70.711	21.633	2.932	0.099	0.169	0.007	0.005	0.007	0.000	0.000	0.000	0.000	0.000	1401.95
19	0.6964	1162.1	1182.7	1182.4	0.033	3.203	73.213	20.991	2.449	0.044	0.065	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1417.19
20	0.6945	1159.4	1180.0	1179.7	0.028	3.195	73.232	21.325	2.135	0.033	0.050	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1415.90
21	0.6937	1158.3	1178.9	1178.6	0.033	3.178	73.464	21.054	2.176	0.036	0.056	0.001	0.000	0.002	0.000	0.000	0.000	0.000	0.000	1415.40
22	0.6898	1151.6	1172.0	1171.8	0.030	3.224	73.887	20.921	1.880	0.024	0.033	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1411.18
23	0.6881	1148.8	1169.1	1168.8	0.030	3.239	74.160	20.703	1.804	0.025	0.036	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1409.41
24	0.7044	1155.8	1176.2	1175.9	0.610	3.466	72.434	20.714	2.551	0.077	0.133	0.005	0.004	0.005	0.000	0.000	0.000	0.000	0.000	1401.61
25	0.6875	1147.9	1168.2	1168.0	0.030	3.244	74.162	20.782	1.741	0.017	0.022	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1408.89
26	0.6870	1146.9	1167.2	1166.9	0.032	3.250	74.165	20.699	1.793	0.024	0.035	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1408.14
27	0.6904	1149.9	1170.3	1170.0	0.107	3.275	73.909	20.697	1.930	0.031	0.047	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1408.45
28	0.6897	1152.3	1172.7	1172.4	0.035	3.172	73.944	20.875	1.909	0.026	0.037	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	1412.07
<b>Avg</b>	<b>0.6920</b>	<b>1152.0</b>	<b>1172.7</b>	<b>1172.4</b>	<b>0.137</b>	<b>3.232</b>	<b>73.714</b>	<b>20.826</b>	<b>2.000</b>	<b>0.035</b>	<b>0.053</b>	<b>0.001</b>	<b>0.001</b>	<b>0.002</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1409.73</b>

# Source Daily Summary

February 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	0.7190	1174.5	1195.3	1195.1	1.122	2.900	71.225	21.102	3.178	0.131	0.292	0.021	0.024	0.005	0.000	0.000	0.000	0.000	1409.72	
2	0.7161	1164.7	1185.3	1185.0	0.916	3.541	71.772	20.007	3.167	0.166	0.358	0.031	0.033	0.009	0.000	0.000	0.000	0.000	1400.70	
3	0.7236	1178.6	1199.5	1199.2	1.030	3.228	70.380	21.549	3.267	0.151	0.333	0.026	0.028	0.007	0.000	0.000	0.000	0.000	1410.06	
4	0.7177	1174.3	1195.0	1194.7	0.820	3.258	71.141	21.186	3.067	0.148	0.319	0.026	0.028	0.007	0.000	0.000	0.000	0.000	1410.63	
5	0.7140	1169.3	1190.0	1189.6	0.693	3.403	71.649	20.770	2.960	0.148	0.312	0.027	0.029	0.008	0.000	0.000	0.000	0.000	1408.33	
6	0.7024	1146.7	1167.0	1166.7	0.717	3.656	73.795	18.520	2.812	0.142	0.298	0.026	0.028	0.008	0.000	0.000	0.000	0.000	1392.41	
7	0.6971	1152.9	1173.3	1173.0	0.364	3.321	73.600	20.124	2.317	0.082	0.161	0.013	0.014	0.003	0.000	0.000	0.000	0.000	1405.30	
8	0.7130	1168.5	1189.2	1188.9	0.688	3.365	71.872	20.566	2.984	0.147	0.314	0.027	0.029	0.008	0.000	0.000	0.000	0.000	1408.37	
9	0.7183	1174.4	1195.2	1195.0	0.775	3.367	71.161	20.965	3.151	0.163	0.349	0.030	0.032	0.008	0.000	0.000	0.000	0.000	1410.28	
10	0.7125	1169.8	1190.5	1190.2	0.640	3.310	71.836	20.767	2.956	0.141	0.295	0.024	0.025	0.006	0.000	0.000	0.000	0.000	1410.45	
11	0.7181	1176.5	1197.4	1197.1	0.802	3.179	71.084	21.247	3.217	0.138	0.287	0.021	0.021	0.004	0.000	0.000	0.000	0.000	1413.05	
12	0.7217	1178.8	1199.6	1199.3	0.904	3.229	70.620	21.430	3.301	0.149	0.313	0.024	0.025	0.006	0.000	0.000	0.000	0.000	1412.15	
13	0.7166	1174.9	1195.7	1195.4	0.754	3.214	71.343	21.034	3.144	0.148	0.307	0.025	0.025	0.005	0.000	0.000	0.000	0.000	1412.48	
14	0.7157	1177.2	1198.1	1197.8	0.784	2.943	71.628	20.979	3.138	0.152	0.319	0.025	0.026	0.006	0.000	0.000	0.000	0.000	1416.15	
15	0.7186	1179.5	1200.4	1200.1	0.865	2.956	70.988	21.595	3.116	0.136	0.294	0.022	0.023	0.005	0.000	0.000	0.000	0.000	1416.03	
16	0.7286	1188.1	1209.1	1208.8	1.139	2.954	69.275	22.940	3.248	0.123	0.276	0.018	0.020	0.004	0.000	0.000	0.000	0.000	1416.52	
17	0.7138	1174.4	1195.2	1194.9	0.738	3.003	71.824	20.859	3.092	0.143	0.295	0.022	0.021	0.004	0.000	0.000	0.000	0.000	1414.67	
18	0.7187	1178.7	1199.6	1199.4	0.859	3.020	70.969	21.508	3.185	0.135	0.281	0.019	0.019	0.003	0.000	0.000	0.000	0.000	1415.05	
19	0.7303	1189.5	1210.6	1210.3	1.179	2.969	69.134	22.872	3.377	0.131	0.293	0.019	0.021	0.005	0.000	0.000	0.000	0.000	1416.55	
20	0.7260	1184.6	1205.6	1205.3	1.100	2.981	69.799	22.429	3.219	0.132	0.292	0.021	0.023	0.006	0.000	0.000	0.000	0.000	1414.91	
21	0.7196	1179.3	1200.2	1199.9	0.850	3.083	71.131	21.053	3.319	0.160	0.343	0.027	0.028	0.006	0.000	0.000	0.000	0.000	1414.77	
22	0.7281	1187.1	1208.1	1207.8	1.134	2.976	69.617	22.403	3.360	0.139	0.316	0.023	0.026	0.006	0.000	0.000	0.000	0.000	1415.81	
23	0.7263	1183.5	1204.5	1204.2	1.155	2.999	69.621	22.640	3.156	0.119	0.268	0.018	0.020	0.003	0.000	0.000	0.000	0.000	1413.25	
24	0.7235	1182.2	1203.1	1202.9	1.130	2.848	70.070	22.477	3.065	0.115	0.256	0.017	0.019	0.003	0.000	0.000	0.000	0.000	1414.49	
25	0.7243	1182.4	1203.4	1203.1	1.143	2.888	69.765	22.850	2.973	0.106	0.237	0.016	0.018	0.003	0.000	0.000	0.000	0.000	1414.02	
26	0.7188	1180.5	1201.4	1201.2	1.077	2.591	71.096	21.713	3.077	0.125	0.275	0.020	0.022	0.004	0.000	0.000	0.000	0.000	1417.06	
27	0.7197	1180.3	1201.2	1200.9	1.088	2.670	70.860	21.902	3.053	0.120	0.264	0.019	0.021	0.004	0.000	0.000	0.000	0.000	1415.91	
28	0.7260	1186.6	1207.6	1207.3	1.129	2.820	69.873	22.462	3.240	0.130	0.295	0.021	0.024	0.005	0.000	0.000	0.000	0.000	1417.23	
Avg	0.7189	1176.0	1197.2	1196.9	0.914	3.095	70.969	21.427	3.112	0.136	0.294	0.022	0.024	0.005	0.000	0.000	0.000	0.000	1412.01	

# Gas Composition and Properties

Effective February 1, 2025

Attachment B  
Page 3 of 25

Source #: 0602160  
Name: FAIRVIEW BORDER

Component	Mole %	Liquid Content	Mass %	Property	Total Sample	C6 Plus Fraction
Carbon Dioxide, CO2	0.6857		1.4776	Pressure Base	14.730	
Nitrogen, N2	3.2416		4.4462	Temperature Base	60.00	
Methane, C1	71.9938		56.5505	HCDP @ Sample Pressure	-21.378	
Ethane, C2	21.2958	5.6990	31.3532	Cricondentherm	-9.166	
Propane, C3	2.5589	0.7054	5.5248	HV, Dry @ Base P, T	1182.30	
iso-Butane, iC4	0.0763	0.0250	0.2171	HV, Sat @ Base P, T	1161.72	
n-Butane, nC4	0.1348	0.0425	0.3836	HV, Sat @ Sample P, T	1182.30	
iso-Pentane, iC5	0.0064	0.0023	0.0226	Relative Density	0.7072	
n-Pentane, nC5	0.0056	0.0020	0.0198			
Neo-Pentane, neo						
Hexanes Plus, C6+	0.0011	0.0005	0.0046			
Argon, Ar						
Carbon Monoxide, CO						
Hydrogen, H2						
Oxygen, O2						
Helium, He						
Water, H2O						
Hydrogen Sulfide, H2S						
				C6+: 100		
<b>Totals</b>	<b>100.0000</b>	<b>6.4760</b>	<b>100.0000</b>			

**Sample**

Date: 02/01/2025                      Type:

Tech: Tipton, Joshua

Pressure:                      480 psi                      Temp.:                      °F

Gauge:                      Gauge                      H2O:

Atm. Pressure:                      H2S:

Remarks:

**Analysis**

Date: 02/01/2025                      Instrument:

Tech: Tipton, Joshua                      Cylinder:                      319

Remarks:



# Source Daily Summary

February 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	0.7091	1172.2	1192.9	1192.7	0.947	2.379	72.960	20.230	3.042	0.122	0.269	0.020	0.024	0.006	0.000	0.000	0.000	0.000	1416.65	-1.65
2	0.7149	1177.4	1198.2	1198.0	1.003	2.523	72.037	20.765	3.191	0.133	0.294	0.022	0.026	0.006	0.000	0.000	0.000	0.000	1417.14	1.24
3	0.7068	1157.9	1178.4	1178.2	0.911	3.102	73.382	19.082	3.017	0.133	0.304	0.025	0.032	0.011	0.000	0.000	0.000	0.000	1401.38	-1.58
4	0.7151	1176.8	1197.7	1197.5	1.002	2.578	71.918	20.875	3.160	0.129	0.284	0.021	0.025	0.007	0.000	0.000	0.000	0.000	1416.32	1.00
5	0.7201	1176.8	1197.6	1197.4	1.122	2.871	70.848	21.595	3.150	0.115	0.256	0.018	0.021	0.005	0.000	0.000	0.000	0.000	1411.30	0.94
6	0.7164	1177.1	1198.0	1197.8	1.046	2.612	71.661	21.075	3.155	0.126	0.276	0.020	0.023	0.006	0.000	0.000	0.000	0.000	1415.42	0.84
7	0.7127	1172.2	1193.0	1192.8	0.917	2.761	72.038	20.875	2.988	0.118	0.255	0.019	0.022	0.006	0.000	0.000	0.000	0.000	1413.14	-1.43
8	0.7158	1177.1	1197.9	1197.8	1.002	2.631	71.800	20.900	3.201	0.130	0.284	0.022	0.025	0.006	0.000	0.000	0.000	0.000	1415.89	1.19
9	0.7171	1177.6	1198.4	1198.2	1.045	2.652	71.617	20.985	3.237	0.130	0.283	0.021	0.024	0.006	0.000	0.000	0.000	0.000	1415.24	1.55
10	0.7169	1177.7	1198.6	1198.4	1.050	2.623	71.667	20.951	3.241	0.131	0.286	0.021	0.024	0.006	0.000	0.000	0.000	0.000	1415.54	1.56
11	0.7163	1177.9	1198.8	1198.6	1.036	2.578	71.805	20.852	3.250	0.134	0.292	0.022	0.025	0.006	0.000	0.000	0.000	0.000	1416.45	1.72
12	0.7153	1178.0	1198.8	1198.7	1.024	2.489	72.094	20.628	3.267	0.139	0.304	0.023	0.026	0.007	0.000	0.000	0.000	0.000	1417.54	1.92
13	0.7170	1178.8	1199.7	1199.5	1.053	2.561	71.631	21.082	3.198	0.132	0.289	0.022	0.025	0.007	0.000	0.000	0.000	0.000	1416.76	1.75
14	0.7195	1182.3	1203.3	1203.1	1.041	2.592	71.289	21.267	3.308	0.138	0.306	0.023	0.027	0.007	0.000	0.000	0.000	0.000	1418.61	3.39
15	0.7184	1181.6	1202.5	1202.4	1.035	2.550	71.463	21.169	3.287	0.138	0.303	0.023	0.026	0.007	0.000	0.000	0.000	0.000	1418.74	2.90
16	0.7150	1179.7	1200.6	1200.4	0.993	2.400	72.214	20.578	3.298	0.144	0.315	0.024	0.027	0.007	0.000	0.000	0.000	0.000	1419.90	2.36
17	0.7196	1182.5	1203.4	1203.2	1.042	2.596	71.200	21.393	3.283	0.136	0.298	0.022	0.025	0.006	0.000	0.000	0.000	0.000	1418.63	2.93
18	0.7187	1181.9	1202.8	1202.7	1.039	2.545	71.425	21.205	3.290	0.138	0.303	0.022	0.026	0.006	0.000	0.000	0.000	0.000	1418.89	2.91
19	0.7109	1174.5	1195.3	1195.1	0.996	2.328	72.880	20.137	3.168	0.137	0.299	0.023	0.026	0.007	0.000	0.000	0.000	0.000	1417.73	0.25
20	0.7115	1177.0	1197.9	1197.7	0.976	2.263	72.881	20.128	3.224	0.146	0.321	0.025	0.029	0.008	0.000	0.000	0.000	0.000	1420.14	1.61
21	0.7199	1183.3	1204.3	1204.1	1.042	2.568	71.311	21.190	3.368	0.142	0.320	0.024	0.028	0.007	0.000	0.000	0.000	0.000	1419.39	4.01
22	0.7171	1181.2	1202.1	1201.9	1.023	2.463	71.854	20.809	3.325	0.144	0.320	0.025	0.029	0.008	0.000	0.000	0.000	0.000	1419.58	3.29
23	0.7145	1177.4	1198.3	1198.1	1.017	2.458	72.235	20.559	3.225	0.140	0.308	0.024	0.028	0.007	0.000	0.000	0.000	0.000	1417.63	1.76
24	0.7251	1177.2	1198.1	1197.9	1.007	3.480	70.684	20.348	3.933	0.151	0.337	0.024	0.028	0.007	0.000	0.000	0.000	0.000	1407.29	6.05
25	0.7064	1170.0	1190.8	1190.6	0.973	2.210	73.733	19.489	3.107	0.136	0.292	0.024	0.028	0.008	0.000	0.000	0.000	0.000	1416.82	-1.07
26	0.7055	1166.8	1187.5	1187.3	0.981	2.318	73.260	20.332	2.755	0.102	0.213	0.016	0.019	0.004	0.000	0.000	0.000	0.000	1413.80	-5.50
27	0.7090	1163.7	1184.3	1184.1	0.921	2.925	72.982	19.535	3.232	0.115	0.247	0.018	0.021	0.005	0.000	0.000	0.000	0.000	1406.53	-2.69
28	0.7071	1171.5	1192.2	1192.0	0.960	2.220	73.393	19.949	3.031	0.125	0.270	0.021	0.025	0.006	0.000	0.000	0.000	0.000	1417.74	-1.95
Avg	0.7147	1176.0	1196.8	1196.6	1.007	2.581	72.081	20.642	3.212	0.132	0.290	0.022	0.025	0.007	0.000	0.000	0.000	0.000	1415.72	1.05

# Source Daily Summary

February 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	0.7564	1181.9	1202.8	1202.7	0.939	6.228	66.165	20.042	5.877	0.200	0.471	0.031	0.036	0.010	0.000	0.000	0.000	0.000	1383.07	
2	0.7554	1180.6	1201.6	1201.4	0.941	6.209	66.202	20.109	5.864	0.180	0.429	0.027	0.031	0.009	0.000	0.000	0.000	0.000	1382.50	
3	0.7400	1153.0	1173.5	1173.3	0.954	6.435	67.857	19.407	4.912	0.127	0.275	0.014	0.015	0.004	0.000	0.000	0.000	0.000	1364.15	
4	0.7514	1174.3	1195.1	1195.0	0.954	6.205	66.393	20.340	5.602	0.149	0.323	0.015	0.016	0.004	0.000	0.000	0.000	0.000	1378.70	
5	0.7602	1189.5	1210.6	1210.5	0.945	6.118	65.624	20.420	6.172	0.196	0.461	0.028	0.030	0.006	0.000	0.000	0.000	0.000	1388.43	
6	0.7477	1166.8	1187.4	1187.3	0.951	6.313	67.142	19.600	5.396	0.165	0.375	0.023	0.027	0.008	0.000	0.000	0.000	0.000	1373.23	
7	0.7502	1172.0	1192.7	1192.6	0.950	6.246	66.792	19.850	5.559	0.171	0.380	0.022	0.024	0.008	0.000	0.000	0.000	0.000	1377.00	
8	0.7571	1183.0	1203.9	1203.8	0.949	6.217	65.986	20.193	5.966	0.185	0.436	0.028	0.031	0.008	0.000	0.000	0.000	0.000	1383.66	
9	0.7570	1182.6	1203.6	1203.4	0.959	6.212	65.991	20.211	5.941	0.188	0.433	0.028	0.031	0.008	0.000	0.000	0.000	0.000	1383.35	
10	0.7565	1182.0	1202.9	1202.7	0.960	6.210	66.022	20.220	5.921	0.181	0.424	0.027	0.029	0.007	0.000	0.000	0.000	0.000	1382.97	
11	0.7549	1179.9	1200.8	1200.7	0.966	6.173	66.214	20.180	5.825	0.176	0.409	0.025	0.027	0.006	0.000	0.000	0.000	0.000	1382.07	
12	0.7635	1195.7	1216.9	1216.8	0.976	6.000	65.272	20.663	6.303	0.213	0.502	0.031	0.034	0.007	0.000	0.000	0.000	0.000	1392.67	
13	0.7638	1195.9	1217.1	1217.0	0.975	6.010	65.235	20.689	6.299	0.214	0.500	0.033	0.036	0.008	0.000	0.000	0.000	0.000	1392.69	
14	0.7667	1199.8	1221.1	1220.9	0.967	6.054	64.911	20.737	6.502	0.218	0.526	0.036	0.039	0.009	0.000	0.000	0.000	0.000	1394.60	
15	0.7649	1197.6	1218.8	1218.6	0.971	6.020	65.118	20.704	6.394	0.209	0.504	0.033	0.037	0.010	0.000	0.000	0.000	0.000	1393.52	
16	0.7670	1201.6	1222.9	1222.7	0.973	5.974	64.915	20.775	6.515	0.220	0.538	0.037	0.043	0.011	0.000	0.000	0.000	0.000	1396.29	
17	0.7652	1197.9	1219.1	1219.0	0.973	6.029	65.118	20.640	6.426	0.211	0.515	0.036	0.041	0.011	0.000	0.000	0.000	0.000	1393.65	
18	0.7668	1201.0	1222.2	1222.1	0.970	5.993	64.924	20.753	6.544	0.212	0.519	0.035	0.039	0.011	0.000	0.000	0.000	0.000	1395.80	
19	0.7688	1204.0	1225.3	1225.2	0.967	6.002	64.732	20.762	6.674	0.222	0.551	0.037	0.042	0.011	0.000	0.000	0.000	0.000	1397.46	
20	0.7673	1200.8	1222.1	1222.0	0.967	6.051	64.908	20.663	6.556	0.218	0.543	0.039	0.044	0.011	0.000	0.000	0.000	0.000	1395.20	
21	0.7660	1199.2	1220.4	1220.3	0.974	6.020	64.980	20.751	6.473	0.208	0.511	0.034	0.038	0.010	0.000	0.000	0.000	0.000	1394.49	
22	0.7682	1201.8	1223.1	1222.9	0.967	6.072	64.874	20.589	6.604	0.227	0.562	0.042	0.050	0.014	0.000	0.000	0.000	0.000	1395.50	
23	0.7633	1193.7	1214.8	1214.6	0.977	6.103	65.349	20.464	6.308	0.212	0.504	0.034	0.039	0.011	0.000	0.000	0.000	0.000	1390.46	
24	0.7626	1193.3	1214.4	1214.3	0.980	6.059	65.447	20.453	6.258	0.214	0.506	0.034	0.039	0.010	0.000	0.000	0.000	0.000	1390.63	
25	0.7596	1185.9	1206.9	1206.8	0.966	6.238	65.773	20.180	6.087	0.207	0.473	0.032	0.036	0.009	0.000	0.000	0.000	0.000	1384.80	
26	0.7571	1181.0	1201.9	1201.7	0.980	6.290	66.141	19.868	5.971	0.207	0.471	0.030	0.033	0.008	0.000	0.000	0.000	0.000	1381.30	
27	0.7562	1178.6	1199.5	1199.3	0.979	6.351	66.366	19.554	5.977	0.215	0.486	0.031	0.034	0.008	0.000	0.000	0.000	0.000	1379.34	
28	0.7593	1185.0	1206.0	1205.8	0.970	6.263	66.009	19.793	6.149	0.222	0.515	0.034	0.037	0.008	0.000	0.000	0.000	0.000	1384.02	
Avg	0.7597	1188.0	1208.8	1208.7	0.964	6.146	65.731	20.307	6.110	0.199	0.469	0.030	0.034	0.009	0.000	0.000	0.000	0.000	1386.84	

# Source Daily Summary

February 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	0.7576	1182.3	1203.2	1203.0	0.949	6.309	65.967	20.041	6.019	0.194	0.455	0.029	0.031	0.007	0.000	0.000	0.000	0.000	1382.35	
2	0.7583	1182.8	1203.7	1203.5	0.945	6.348	65.838	20.115	6.040	0.196	0.452	0.029	0.032	0.007	0.000	0.000	0.000	0.000	1382.32	
3	0.7581	1182.6	1203.6	1203.3	0.950	6.328	65.859	20.124	6.045	0.189	0.440	0.028	0.031	0.007	0.000	0.000	0.000	0.000	1382.34	
4	0.7598	1186.2	1207.2	1207.0	0.961	6.259	65.686	20.227	6.137	0.199	0.463	0.029	0.033	0.007	0.000	0.000	0.000	0.000	1384.91	
5	0.7598	1185.9	1206.9	1206.7	0.958	6.278	65.688	20.209	6.136	0.198	0.463	0.030	0.033	0.008	0.000	0.000	0.000	0.000	1384.60	
6	0.7591	1184.7	1205.7	1205.5	0.960	6.285	65.777	20.146	6.116	0.193	0.455	0.029	0.032	0.007	0.000	0.000	0.000	0.000	1383.80	
7	0.7586	1183.2	1204.1	1203.9	0.964	6.324	65.829	20.098	6.073	0.193	0.452	0.029	0.032	0.007	0.000	0.000	0.000	0.000	1382.48	
8	0.7579	1181.7	1202.6	1202.4	0.966	6.341	65.902	20.074	6.014	0.192	0.445	0.028	0.031	0.007	0.000	0.000	0.000	0.000	1381.44	
9	0.7585	1182.9	1203.8	1203.6	0.967	6.330	65.798	20.157	6.049	0.191	0.442	0.028	0.031	0.007	0.000	0.000	0.000	0.000	1382.22	
10	0.7551	1176.8	1197.7	1197.4	0.967	6.375	66.211	19.921	5.878	0.178	0.411	0.025	0.027	0.006	0.000	0.000	0.000	0.000	1378.28	
11	0.7614	1189.1	1210.2	1210.0	0.977	6.199	65.501	20.371	6.206	0.203	0.475	0.029	0.032	0.006	0.000	0.000	0.000	0.000	1386.91	
12	0.7665	1198.0	1219.2	1219.0	0.980	6.130	64.978	20.593	6.458	0.231	0.542	0.037	0.042	0.010	0.000	0.000	0.000	0.000	1392.61	
13	0.7683	1200.9	1222.2	1222.0	0.977	6.132	64.732	20.707	6.583	0.230	0.549	0.037	0.042	0.010	0.000	0.000	0.000	0.000	1394.30	
14	0.7664	1197.1	1218.3	1218.1	0.975	6.185	64.958	20.546	6.507	0.219	0.525	0.036	0.040	0.010	0.000	0.000	0.000	0.000	1391.68	
15	0.7667	1198.4	1219.7	1219.5	0.980	6.128	64.928	20.616	6.515	0.220	0.528	0.036	0.040	0.010	0.000	0.000	0.000	0.000	1392.90	
16	0.7661	1196.9	1218.1	1217.9	0.979	6.168	64.998	20.542	6.485	0.219	0.523	0.036	0.040	0.010	0.000	0.000	0.000	0.000	1391.63	
17	0.7660	1197.0	1218.2	1218.0	0.978	6.153	65.001	20.546	6.517	0.214	0.512	0.034	0.037	0.008	0.000	0.000	0.000	0.000	1391.84	
18	0.7673	1199.1	1220.3	1220.1	0.978	6.146	64.863	20.597	6.585	0.219	0.528	0.036	0.040	0.009	0.000	0.000	0.000	0.000	1393.13	
19	0.7663	1196.6	1217.8	1217.7	0.977	6.197	65.002	20.476	6.519	0.217	0.524	0.036	0.041	0.010	0.000	0.000	0.000	0.000	1391.24	
20	0.7674	1198.8	1220.1	1219.9	0.976	6.169	64.852	20.587	6.581	0.219	0.528	0.036	0.041	0.010	0.000	0.000	0.000	0.000	1392.77	
21	0.7657	1195.3	1216.4	1216.2	0.981	6.221	65.030	20.490	6.470	0.213	0.511	0.034	0.039	0.010	0.000	0.000	0.000	0.000	1390.16	
22	0.7640	1191.7	1212.8	1212.6	0.973	6.290	65.278	20.253	6.403	0.214	0.508	0.034	0.038	0.009	0.000	0.000	0.000	0.000	1387.56	
23	0.7648	1193.1	1214.2	1214.1	0.978	6.272	65.191	20.304	6.431	0.221	0.521	0.035	0.039	0.009	0.000	0.000	0.000	0.000	1388.48	
24	0.7637	1192.0	1213.1	1212.9	0.980	6.242	65.333	20.270	6.354	0.221	0.518	0.035	0.039	0.009	0.000	0.000	0.000	0.000	1388.08	
25	0.7602	1184.2	1205.2	1205.0	0.983	6.380	65.707	20.019	6.140	0.213	0.482	0.032	0.036	0.009	0.000	0.000	0.000	0.000	1382.27	
26	0.7571	1178.1	1199.0	1198.8	0.997	6.435	66.256	19.504	6.021	0.220	0.495	0.031	0.034	0.007	0.000	0.000	0.000	0.000	1378.00	
27	0.7591	1182.0	1202.9	1202.7	0.990	6.404	65.970	19.711	6.123	0.223	0.505	0.032	0.035	0.007	0.000	0.000	0.000	0.000	1380.63	
28	0.7579	1180.2	1201.1	1200.9	0.980	6.415	66.057	19.730	6.051	0.217	0.479	0.031	0.034	0.007	0.000	0.000	0.000	0.000	1379.66	
Avg	0.7621	1189.0	1210.3	1210.1	0.972	6.266	65.471	20.249	6.266	0.209	0.490	0.032	0.036	0.008	0.000	0.000	0.000	0.000	1386.38	

# Gas Composition and Properties

Effective October 1, 2021

Attachment B  
Page 8 of 25

Source #: 2501030  
Name: LIGNITE PLANT

Component	Mole %	Liquid Content	Mass %	Property	Total Sample	C6 Plus Fraction
Carbon Dioxide, CO2	0.2283		0.5237	Pressure Base	14.730	
Nitrogen, N2	2.9631		4.3268	Temperature Base	60.00	
Methane, C1	79.4957		66.4767	HCDP @ Sample Pressure		
Ethane, C2	15.2390	4.0765	23.8852	Cricondentherm	-32.804	
Propane, C3	2.0456	0.5637	4.7019	HV, Dry @ Base P, T	1130.73	
iso-Butane, iC4	0.0244	0.0080	0.0739	HV, Sat @ Base P, T	1111.05	
n-Butane, nC4	0.0039	0.0012	0.0118	HV, Sat @ Sample P, T	1130.73	
iso-Pentane, iC5				Relative Density	0.6640	
n-Pentane, nC5						
Neo-Pentane, neo						
Hexanes Plus, C6+						
Argon, Ar						
Carbon Monoxide, CO						
Hydrogen, H2						
Oxygen, O2						
Helium, He						
Water, H2O						
Hydrogen Sulfide, H2S						
				C6+: 100		
<b>Totals</b>	<b>100.0000</b>	<b>4.6490</b>	<b>100.0000</b>			

**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

February 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	0.7329	1172.6	1193.3	1193.1	1.007	4.495	70.112	19.471	3.856	0.215	0.597	0.073	0.108	0.065	0.000	0.000	0.000	0.000	1393.87	
2	0.7343	1171.1	1191.8	1191.6	1.016	4.694	70.045	19.238	3.851	0.229	0.648	0.083	0.124	0.070	0.000	0.000	0.000	0.000	1390.84	
3	0.7347	1167.5	1188.2	1188.0	1.010	4.969	69.733	19.452	3.678	0.229	0.652	0.083	0.123	0.072	0.000	0.000	0.000	0.000	1386.16	
4	0.7262	1158.4	1179.0	1178.7	0.948	4.811	71.458	17.997	3.592	0.231	0.661	0.088	0.130	0.082	0.000	0.000	0.000	0.000	1383.40	
5	0.7458	1193.3	1214.4	1214.2	1.004	4.437	69.193	19.404	4.382	0.305	0.904	0.122	0.173	0.075	0.000	0.000	0.000	0.000	1406.19	
6	0.7423	1198.0	1219.2	1219.0	1.104	3.669	68.944	21.241	3.761	0.227	0.688	0.105	0.165	0.096	0.000	0.000	0.000	0.000	1415.14	
7	0.7285	1179.9	1200.8	1200.5	1.164	3.401	69.874	21.785	3.073	0.129	0.342	0.050	0.085	0.096	0.000	0.000	0.000	0.000	1406.86	
8	0.7301	1184.9	1205.9	1205.7	1.197	3.199	69.422	22.179	3.503	0.125	0.291	0.024	0.030	0.031	0.000	0.000	0.000	0.000	1411.28	
9	0.7208	1169.6	1190.3	1190.1	1.198	3.264	70.240	22.142	2.815	0.089	0.201	0.016	0.021	0.012	0.000	0.000	0.000	0.000	1402.02	
10	0.7185	1165.7	1186.4	1186.2	1.208	3.267	70.520	22.008	2.690	0.084	0.184	0.013	0.016	0.010	0.000	0.000	0.000	0.000	1399.60	
11	0.7227	1172.3	1193.0	1192.8	1.210	3.264	69.894	22.460	2.818	0.093	0.213	0.017	0.022	0.009	0.000	0.000	0.000	0.000	1403.33	
12	0.7291	1184.3	1205.3	1205.1	1.181	3.172	69.467	22.243	3.455	0.129	0.299	0.021	0.025	0.008	0.000	0.000	0.000	0.000	1411.47	
13	0.7147	1158.6	1179.1	1178.9	1.229	3.318	70.994	21.731	2.451	0.077	0.170	0.012	0.014	0.005	0.000	0.000	0.000	0.000	1394.70	
14	0.7161	1162.0	1182.6	1182.4	1.226	3.247	70.537	22.443	2.273	0.072	0.163	0.014	0.018	0.007	0.000	0.000	0.000	0.000	1397.48	
15	0.7137	1158.4	1179.0	1178.8	1.217	3.252	70.808	22.332	2.165	0.064	0.138	0.009	0.010	0.005	0.000	0.000	0.000	0.000	1395.53	
16	0.7216	1171.2	1191.9	1191.7	1.209	3.221	70.063	22.394	2.768	0.091	0.207	0.017	0.022	0.007	0.000	0.000	0.000	0.000	1403.17	
17	0.7190	1166.5	1187.2	1187.0	1.212	3.261	70.300	22.376	2.528	0.085	0.198	0.016	0.019	0.006	0.000	0.000	0.000	0.000	1400.08	
18	0.7176	1165.4	1186.0	1185.8	1.193	3.228	70.497	22.253	2.542	0.081	0.177	0.011	0.013	0.005	0.000	0.000	0.000	0.000	1400.08	
19	0.7216	1171.7	1192.4	1192.2	1.192	3.215	70.147	22.264	2.805	0.098	0.231	0.018	0.022	0.007	0.000	0.000	0.000	0.000	1403.76	
20	0.7126	1157.4	1177.9	1177.7	1.184	3.264	71.088	22.001	2.214	0.069	0.154	0.010	0.012	0.004	0.000	0.000	0.000	0.000	1395.33	
21	0.7147	1160.2	1180.8	1180.6	1.199	3.263	70.810	22.174	2.282	0.072	0.163	0.013	0.017	0.007	0.000	0.000	0.000	0.000	1396.71	
22	0.7214	1170.3	1191.0	1190.8	1.198	3.272	70.258	21.987	2.934	0.095	0.214	0.016	0.019	0.006	0.000	0.000	0.000	0.000	1402.32	
23	0.7201	1166.9	1187.6	1187.4	1.228	3.312	70.354	21.977	2.813	0.085	0.190	0.014	0.018	0.009	0.000	0.000	0.000	0.000	1399.51	
24	0.7238	1171.9	1192.7	1192.5	1.197	3.412	69.984	21.871	3.166	0.099	0.222	0.017	0.022	0.010	0.000	0.000	0.000	0.000	1401.88	
25	0.7217	1172.0	1192.8	1192.6	1.169	3.237	70.332	21.832	3.069	0.099	0.219	0.016	0.020	0.008	0.000	0.000	0.000	0.000	1404.10	
26	0.7222	1171.9	1192.7	1192.5	1.192	3.259	70.236	21.897	3.056	0.098	0.218	0.016	0.020	0.010	0.000	0.000	0.000	0.000	1403.44	
27	0.7042	1125.4	1145.3	1145.1	0.963	4.749	73.670	17.119	3.030	0.120	0.282	0.021	0.027	0.019	0.000	0.000	0.000	0.000	1364.83	
28	0.7207	1160.7	1181.2	1181.0	0.915	4.217	71.463	18.825	4.040	0.147	0.333	0.024	0.027	0.009	0.000	0.000	0.000	0.000	1391.37	
Avg	0.7233	1169.0	1189.6	1189.4	1.142	3.620	70.373	21.253	3.057	0.126	0.320	0.034	0.047	0.027	0.000	0.000	0.000	0.000	1398.73	

# Source Daily Summary

February 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	0.7271	1158.3	1178.8	1178.1	0.809	5.131	70.167	18.994	4.395	0.136	0.323	0.019	0.021	0.006	0.000	0.000	0.000	0.000	1382.39	
2	0.7260	1155.8	1176.3	1175.6	0.813	5.165	70.345	18.833	4.338	0.137	0.322	0.020	0.021	0.006	0.000	0.000	0.000	0.000	1380.56	
3	0.7216	1152.5	1173.0	1172.3	0.832	4.928	70.950	18.756	4.061	0.130	0.300	0.018	0.019	0.006	0.000	0.000	0.000	0.000	1380.79	
4	0.7200	1151.6	1172.0	1171.3	0.796	4.891	71.168	18.667	4.020	0.125	0.291	0.018	0.019	0.006	0.000	0.000	0.000	0.000	1381.19	
5	0.7238	1155.3	1175.8	1175.1	0.829	4.963	70.809	18.597	4.295	0.137	0.321	0.020	0.021	0.007	0.000	0.000	0.000	0.000	1382.07	
6	0.7191	1150.4	1170.8	1170.1	0.827	4.829	71.417	18.448	4.009	0.128	0.298	0.019	0.020	0.006	0.000	0.000	0.000	0.000	1380.64	
7	0.7165	1147.0	1167.3	1166.6	0.855	4.756	71.950	17.983	3.991	0.126	0.294	0.019	0.019	0.007	0.000	0.000	0.000	0.000	1378.95	
8	0.7052	1132.7	1152.8	1152.0	0.913	4.470	73.707	17.047	3.468	0.108	0.251	0.016	0.016	0.006	0.000	0.000	0.000	0.000	1372.76	
9	0.7021	1130.6	1150.6	1149.9	0.902	4.330	74.064	17.085	3.251	0.101	0.232	0.014	0.015	0.005	0.000	0.000	0.000	0.000	1373.16	
10	0.6733	1102.7	1122.2	1121.6	0.873	3.369	78.215	15.590	1.772	0.052	0.114	0.007	0.007	0.003	0.000	0.000	0.000	0.000	1367.70	
11	0.6781	1106.0	1125.6	1125.0	0.885	3.599	77.610	15.585	2.106	0.061	0.136	0.008	0.008	0.003	0.000	0.000	0.000	0.000	1366.93	
12	0.7039	1135.2	1155.3	1154.6	0.841	4.306	73.787	17.334	3.342	0.107	0.248	0.015	0.016	0.005	0.000	0.000	0.000	0.000	1377.06	
13	0.7018	1133.7	1153.8	1153.1	0.857	4.172	74.125	17.255	3.195	0.108	0.248	0.016	0.017	0.006	0.000	0.000	0.000	0.000	1377.33	
14	0.7085	1142.8	1163.0	1162.3	0.813	4.318	73.031	17.940	3.467	0.116	0.272	0.018	0.019	0.006	0.000	0.000	0.000	0.000	1381.74	
15	0.7069	1137.9	1158.0	1157.2	0.897	4.340	73.511	17.278	3.543	0.114	0.275	0.018	0.019	0.006	0.000	0.000	0.000	0.000	1377.35	
16	0.6928	1122.8	1142.7	1141.9	0.912	3.914	75.733	16.122	2.965	0.094	0.225	0.014	0.015	0.005	0.000	0.000	0.000	0.000	1372.83	
17	0.6853	1115.8	1135.6	1134.9	0.885	3.676	76.817	15.718	2.592	0.084	0.198	0.013	0.013	0.004	0.000	0.000	0.000	0.000	1371.75	
18	0.6837	1114.0	1133.7	1133.0	0.886	3.634	77.105	15.504	2.571	0.081	0.190	0.012	0.012	0.004	0.000	0.000	0.000	0.000	1371.13	
19	0.6859	1117.4	1137.1	1136.5	0.858	3.678	76.656	15.911	2.593	0.082	0.193	0.012	0.013	0.004	0.000	0.000	0.000	0.000	1373.07	
20	0.7107	1142.9	1163.1	1162.4	0.858	4.455	72.815	17.773	3.655	0.118	0.282	0.019	0.020	0.006	0.000	0.000	0.000	0.000	1379.65	
21	0.6868	1117.6	1137.4	1136.7	0.837	3.788	76.109	16.642	2.357	0.074	0.167	0.011	0.011	0.005	0.000	0.000	0.000	0.000	1372.50	
22	0.6868	1119.7	1139.5	1138.7	0.761	3.771	75.895	17.089	2.229	0.071	0.157	0.011	0.011	0.005	0.000	0.000	0.000	0.000	1375.07	
23	0.6885	1120.7	1140.5	1139.7	0.783	3.837	75.519	17.408	2.213	0.069	0.150	0.009	0.010	0.004	0.000	0.000	0.000	0.000	1374.60	
24	0.7318	1163.6	1184.2	1183.2	0.884	5.126	69.728	19.020	4.664	0.153	0.369	0.024	0.026	0.008	0.000	0.000	0.000	0.000	1384.39	
25	0.7284	1158.1	1178.6	1177.6	0.929	5.080	70.169	18.846	4.420	0.150	0.351	0.023	0.025	0.008	0.000	0.000	0.000	0.000	1380.91	
26	0.7220	1150.1	1170.4	1169.6	0.883	5.039	71.010	18.455	4.112	0.138	0.316	0.020	0.021	0.007	0.000	0.000	0.000	0.000	1377.44	
27	0.7469	1172.5	1193.3	1192.4	0.937	5.912	67.738	19.157	5.532	0.199	0.460	0.028	0.029	0.008	0.000	0.000	0.000	0.000	1380.79	
28	0.7242	1152.0	1172.4	1171.6	0.909	5.081	70.946	18.165	4.332	0.155	0.359	0.022	0.024	0.007	0.000	0.000	0.000	0.000	1377.68	
Avg	0.7074	1138.0	1158.0	1157.3	0.859	4.448	73.253	17.543	3.482	0.113	0.262	0.016	0.017	0.006	0.000	0.000	0.000	0.000	1376.87	

# Source Daily Summary

February 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	0.7230	1152.0	1172.4	1171.9	0.853	5.059	70.631	18.970	4.009	0.133	0.296	0.019	0.020	0.010	0.000	0.000	0.000	0.000	1378.84	
2	0.7287	1158.4	1178.9	1178.2	0.840	5.228	69.891	19.116	4.417	0.140	0.316	0.020	0.021	0.010	0.000	0.000	0.000	0.000	1380.96	
3	0.7268	1154.8	1175.3	1174.5	0.857	5.232	70.164	18.959	4.295	0.137	0.306	0.020	0.021	0.010	0.000	0.000	0.000	0.000	1378.63	
4	0.7221	1151.4	1171.8	1171.1	0.858	5.005	70.838	18.796	4.037	0.130	0.288	0.019	0.020	0.010	0.000	0.000	0.000	0.000	1378.93	
5	0.7213	1151.1	1171.5	1171.0	0.831	4.987	70.954	18.730	4.039	0.127	0.284	0.018	0.019	0.010	0.000	0.000	0.000	0.000	1379.38	
6	0.7252	1155.2	1175.7	1175.0	0.863	5.053	70.541	18.748	4.288	0.139	0.314	0.021	0.022	0.011	0.000	0.000	0.000	0.000	1380.56	
7	0.7190	1148.5	1168.9	1168.2	0.860	4.881	71.376	18.488	3.940	0.126	0.281	0.018	0.019	0.010	0.000	0.000	0.000	0.000	1378.50	
8	0.7163	1144.7	1165.0	1164.5	0.901	4.799	71.939	17.998	3.912	0.125	0.279	0.019	0.019	0.010	0.000	0.000	0.000	0.000	1376.52	
9	0.7050	1130.8	1150.8	1150.4	0.953	4.512	73.684	17.066	3.401	0.107	0.237	0.015	0.016	0.009	0.000	0.000	0.000	0.000	1370.59	
10	0.6961	1123.4	1143.3	1143.0	0.928	4.164	74.877	16.840	2.871	0.090	0.197	0.013	0.013	0.008	0.000	0.000	0.000	0.000	1370.40	
11	0.6742	1101.4	1121.0	1120.7	0.923	3.456	78.051	15.633	1.756	0.052	0.109	0.007	0.007	0.005	0.000	0.000	0.000	0.000	1365.20	
12	0.6803	1106.7	1126.3	1126.0	0.912	3.721	77.247	15.729	2.169	0.063	0.136	0.008	0.008	0.006	0.000	0.000	0.000	0.000	1365.60	
13	0.7056	1135.7	1155.8	1155.4	0.873	4.393	73.453	17.548	3.343	0.109	0.242	0.015	0.016	0.007	0.000	0.000	0.000	0.000	1375.91	
14	0.7021	1132.5	1152.6	1152.2	0.895	4.219	73.996	17.380	3.128	0.106	0.235	0.016	0.017	0.008	0.000	0.000	0.000	0.000	1375.57	
15	0.7106	1143.5	1163.7	1163.6	0.841	4.436	72.650	18.133	3.508	0.118	0.267	0.019	0.020	0.009	0.000	0.000	0.000	0.000	1380.47	
16	0.7019	1131.3	1151.3	1151.0	0.916	4.243	74.179	17.030	3.248	0.104	0.241	0.016	0.017	0.007	0.000	0.000	0.000	0.000	1374.27	
17	0.6853	1115.8	1135.6	1135.1	0.885	3.676	76.817	15.718	2.592	0.084	0.198	0.013	0.013	0.004	0.000	0.000	0.000	0.000	1371.75	
18	0.6837	1114.0	1133.7	1133.3	0.886	3.634	77.105	15.504	2.571	0.081	0.190	0.012	0.012	0.004	0.000	0.000	0.000	0.000	1371.13	
19	0.6857	1117.1	1136.9	1136.4	0.860	3.676	76.686	15.885	2.589	0.082	0.192	0.012	0.013	0.004	0.000	0.000	0.000	0.000	1372.90	
20	0.6869	1116.8	1136.6	1136.1	0.896	3.752	76.443	16.036	2.571	0.083	0.186	0.012	0.013	0.008	0.000	0.000	0.000	0.000	1371.37	
21	0.7118	1142.3	1162.6	1162.0	0.894	4.536	72.587	17.909	3.634	0.119	0.272	0.019	0.020	0.010	0.000	0.000	0.000	0.000	1377.94	
22	0.6870	1116.5	1136.3	1135.7	0.869	3.825	75.991	16.794	2.266	0.071	0.154	0.011	0.011	0.008	0.000	0.000	0.000	0.000	1370.96	
23	0.6885	1120.3	1140.2	1139.4	0.792	3.846	75.552	17.346	2.211	0.071	0.151	0.011	0.011	0.008	0.000	0.000	0.000	0.000	1374.11	
24	0.6900	1120.8	1140.7	1140.0	0.816	3.922	75.238	17.569	2.211	0.069	0.145	0.010	0.010	0.008	0.000	0.000	0.000	0.000	1373.22	
25	0.7315	1161.2	1181.7	1180.9	0.923	5.185	69.668	19.118	4.549	0.151	0.347	0.024	0.026	0.010	0.000	0.000	0.000	0.000	1381.81	
26	0.7291	1157.3	1177.7	1176.8	0.963	5.141	69.998	18.978	4.375	0.150	0.336	0.023	0.025	0.010	0.000	0.000	0.000	0.000	1379.32	
27	0.7245	1150.3	1170.7	1169.8	0.934	5.179	70.604	18.607	4.170	0.142	0.313	0.020	0.022	0.009	0.000	0.000	0.000	0.000	1375.39	
28	0.7473	1171.5	1192.3	1191.6	0.973	5.963	67.658	19.172	5.513	0.202	0.449	0.029	0.031	0.011	0.000	0.000	0.000	0.000	1379.18	
Avg	0.7075	1137.0	1156.8	1156.2	0.886	4.490	73.172	17.636	3.415	0.111	0.249	0.016	0.017	0.008	0.000	0.000	0.000	0.000	1375.34	

# Source Daily Summary

February 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	0.7234	1152.4	1172.8	1172.4	0.856	5.067	70.575	18.998	4.023	0.134	0.298	0.019	0.020	0.010	0.000	0.000	0.000	0.000	1378.94	
2	0.7287	1158.2	1178.7	1178.5	0.840	5.229	69.902	19.111	4.410	0.139	0.317	0.020	0.021	0.010	0.000	0.000	0.000	0.000	1380.87	
3	0.7267	1154.6	1175.1	1174.9	0.859	5.234	70.180	18.940	4.293	0.137	0.307	0.020	0.021	0.010	0.000	0.000	0.000	0.000	1378.46	
4	0.7222	1151.4	1171.8	1171.6	0.857	5.008	70.826	18.800	4.042	0.130	0.288	0.019	0.020	0.010	0.000	0.000	0.000	0.000	1378.94	
5	0.7211	1151.0	1171.3	1171.2	0.831	4.981	70.981	18.722	4.029	0.127	0.283	0.018	0.019	0.009	0.000	0.000	0.000	0.000	1379.36	
6	0.7252	1155.1	1175.5	1175.4	0.865	5.061	70.543	18.723	4.301	0.139	0.313	0.021	0.022	0.010	0.000	0.000	0.000	0.000	1380.37	
7	0.7189	1148.3	1168.6	1168.4	0.862	4.891	71.379	18.480	3.933	0.126	0.281	0.019	0.019	0.010	0.000	0.000	0.000	0.000	1378.22	
8	0.7171	1145.7	1166.0	1165.6	0.897	4.827	71.816	18.046	3.956	0.127	0.283	0.019	0.019	0.010	0.000	0.000	0.000	0.000	1376.83	
9	0.7058	1131.6	1151.7	1151.3	0.953	4.532	73.571	17.122	3.432	0.108	0.241	0.016	0.017	0.009	0.000	0.000	0.000	0.000	1370.86	
10	0.6999	1126.9	1146.9	1146.6	0.937	4.292	74.343	17.013	3.069	0.097	0.213	0.014	0.014	0.008	0.000	0.000	0.000	0.000	1370.91	
11	0.6750	1102.6	1122.2	1121.9	0.915	3.467	77.943	15.686	1.802	0.054	0.113	0.007	0.007	0.005	0.000	0.000	0.000	0.000	1365.91	
12	0.6794	1105.9	1125.4	1125.2	0.920	3.678	77.379	15.699	2.109	0.062	0.132	0.008	0.008	0.005	0.000	0.000	0.000	0.000	1365.43	
13	0.7049	1134.7	1154.8	1154.5	0.876	4.381	73.570	17.476	3.313	0.107	0.238	0.015	0.016	0.008	0.000	0.000	0.000	0.000	1375.40	
14	0.7030	1133.6	1153.7	1153.4	0.896	4.239	73.871	17.426	3.178	0.108	0.240	0.016	0.018	0.008	0.000	0.000	0.000	0.000	1375.95	
15	0.7102	1143.0	1163.3	1163.2	0.847	4.412	72.738	18.079	3.491	0.119	0.268	0.019	0.020	0.008	0.000	0.000	0.000	0.000	1380.39	
16	0.7027	1131.9	1152.0	1151.8	0.917	4.281	74.020	17.129	3.268	0.105	0.241	0.016	0.016	0.007	0.000	0.000	0.000	0.000	1374.23	
17	0.6853	1115.8	1135.6	1135.3	0.885	3.676	76.817	15.718	2.592	0.084	0.198	0.013	0.013	0.004	0.000	0.000	0.000	0.000	1371.75	
18	0.6837	1114.0	1133.7	1133.4	0.886	3.634	77.105	15.504	2.571	0.081	0.190	0.012	0.012	0.004	0.000	0.000	0.000	0.000	1371.13	
19	0.6857	1117.1	1136.8	1136.6	0.860	3.676	76.689	15.884	2.588	0.082	0.192	0.012	0.013	0.004	0.000	0.000	0.000	0.000	1372.89	
20	0.6873	1117.3	1137.1	1136.8	0.896	3.760	76.393	16.050	2.595	0.084	0.188	0.013	0.013	0.007	0.000	0.000	0.000	0.000	1371.53	
21	0.7133	1144.0	1164.3	1163.9	0.894	4.576	72.365	18.011	3.704	0.121	0.278	0.020	0.021	0.010	0.000	0.000	0.000	0.000	1378.50	
22	0.6877	1117.3	1137.1	1136.6	0.871	3.840	75.897	16.825	2.305	0.073	0.158	0.011	0.011	0.008	0.000	0.000	0.000	0.000	1371.21	
23	0.6891	1121.1	1140.9	1140.4	0.792	3.860	75.470	17.373	2.247	0.073	0.154	0.011	0.012	0.008	0.000	0.000	0.000	0.000	1374.40	
24	0.6901	1121.0	1140.8	1140.3	0.818	3.917	75.230	17.572	2.218	0.070	0.146	0.010	0.010	0.008	0.000	0.000	0.000	0.000	1373.33	
25	0.7325	1162.8	1183.4	1182.8	0.921	5.186	69.547	19.155	4.622	0.154	0.355	0.024	0.026	0.010	0.000	0.000	0.000	0.000	1382.76	
26	0.7296	1158.0	1178.5	1177.9	0.963	5.144	69.936	18.996	4.410	0.152	0.340	0.023	0.025	0.010	0.000	0.000	0.000	0.000	1379.74	
27	0.7250	1150.8	1171.2	1170.7	0.934	5.189	70.546	18.626	4.196	0.142	0.315	0.021	0.022	0.009	0.000	0.000	0.000	0.000	1375.58	
28	0.7482	1172.3	1193.1	1192.6	0.974	5.993	67.529	19.223	5.554	0.203	0.453	0.029	0.031	0.011	0.000	0.000	0.000	0.000	1379.35	
Avg	0.7079	1137.0	1157.2	1156.9	0.887	4.501	73.113	17.657	3.438	0.112	0.251	0.017	0.017	0.008	0.000	0.000	0.000	0.000	1375.47	

# Source Daily Summary

February 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	0.5908	1033.1	1051.4	1051.1	0.518	0.388	93.196	5.778	0.112	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1367.84	-88.38
2	0.5898	1031.4	1049.7	1049.4	0.517	0.400	93.386	5.580	0.110	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1366.75	-89.30
3	0.5888	1028.8	1047.0	1046.8	0.531	0.436	93.606	5.320	0.100	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.57	-90.54
4	0.5890	1029.3	1047.5	1047.3	0.530	0.434	93.563	5.353	0.111	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.88	-90.19
5	0.5889	1028.8	1047.0	1046.7	0.536	0.448	93.574	5.337	0.100	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.29	-90.51
6	0.5888	1028.1	1046.3	1046.0	0.542	0.467	93.600	5.292	0.093	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1363.57	-90.76
7	0.5890	1028.6	1046.8	1046.6	0.545	0.454	93.565	5.324	0.104	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1363.96	-90.41
8	0.5891	1029.3	1047.5	1047.3	0.538	0.432	93.548	5.369	0.105	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.75	-90.18
9	0.5896	1030.6	1048.8	1048.7	0.535	0.405	93.463	5.466	0.121	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.89	-89.47
10	0.5898	1031.1	1049.4	1049.2	0.527	0.403	93.406	5.539	0.118	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1366.38	-89.33
11	0.5898	1031.3	1049.6	1049.4	0.526	0.387	93.420	5.543	0.117	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1366.69	-89.33
12	0.5895	1031.5	1049.8	1049.6	0.519	0.362	93.465	5.531	0.115	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1367.28	-89.37
13	0.5905	1032.4	1050.7	1050.5	0.514	0.403	93.336	5.564	0.162	0.009	0.008	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1367.36	-88.06
14	0.5901	1032.2	1050.5	1050.3	0.517	0.383	93.353	5.606	0.133	0.005	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1367.43	-88.78
15	0.5899	1031.5	1049.8	1049.6	0.521	0.393	93.407	5.535	0.135	0.005	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1366.84	-89.03
16	0.5904	1032.7	1051.0	1050.8	0.511	0.387	93.294	5.658	0.141	0.005	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1367.78	-88.45
17	0.5903	1032.2	1050.5	1050.3	0.520	0.387	93.331	5.617	0.136	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1367.35	-88.67
18	0.5903	1032.7	1050.9	1050.8	0.517	0.366	93.329	5.649	0.131	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1367.90	-88.59
19	0.5902	1032.7	1051.0	1050.7	0.520	0.357	93.339	5.643	0.131	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1367.96	-88.59
20	0.5905	1033.1	1051.4	1051.2	0.517	0.362	93.298	5.663	0.149	0.006	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1368.20	-88.21
21	0.5906	1033.1	1051.4	1051.1	0.519	0.367	93.297	5.646	0.160	0.006	0.005	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1368.09	-88.10
22	0.5916	1033.7	1052.0	1051.8	0.535	0.394	93.155	5.708	0.190	0.009	0.007	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1367.82	-87.06
23	0.5917	1033.9	1052.2	1052.0	0.537	0.396	93.086	5.807	0.164	0.006	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1367.87	-87.31
24	0.5904	1031.9	1050.2	1050.0	0.533	0.397	93.321	5.606	0.136	0.005	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1366.80	-88.73
25	0.5900	1031.7	1049.9	1049.7	0.521	0.395	93.376	5.573	0.128	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1366.89	-89.04
26	0.5899	1031.5	1049.8	1049.6	0.528	0.388	93.393	5.560	0.124	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1366.76	-89.13
27	0.5902	1031.8	1050.1	1049.9	0.532	0.384	93.413	5.495	0.156	0.009	0.008	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1366.91	-88.38
28	0.5895	1030.3	1048.5	1048.4	0.533	0.411	93.457	5.496	0.097	0.003	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1365.69	-89.84
Avg	0.5900	1031.0	1049.7	1049.5	0.526	0.400	93.392	5.545	0.128	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1366.59	-89.06

# Source Daily Summary

February 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	0.6808	1116.2	1135.9	1135.7	0.676	3.556	76.440	17.393	1.756	0.053	0.107	0.007	0.007	0.004	0.000	0.000	0.000	0.000	1376.81	
2	0.6822	1117.5	1137.3	1137.0	0.655	3.643	76.291	17.321	1.886	0.060	0.124	0.008	0.008	0.004	0.000	0.000	0.000	0.000	1376.97	
3	0.6753	1109.2	1128.8	1128.6	0.746	3.360	77.275	17.032	1.440	0.045	0.086	0.006	0.006	0.003	0.000	0.000	0.000	0.000	1373.69	
4	0.6746	1109.7	1129.4	1129.1	0.659	3.394	77.388	16.924	1.483	0.047	0.090	0.006	0.006	0.003	0.000	0.000	0.000	0.000	1375.04	
5	0.6713	1105.5	1125.0	1124.8	0.707	3.269	78.075	16.367	1.431	0.046	0.088	0.007	0.006	0.004	0.000	0.000	0.000	0.000	1373.13	
6	0.6707	1104.4	1123.9	1123.7	0.728	3.253	78.125	16.386	1.366	0.044	0.083	0.006	0.006	0.004	0.000	0.000	0.000	0.000	1372.34	
7	0.6663	1099.1	1118.6	1118.4	0.773	3.079	79.089	15.585	1.325	0.045	0.084	0.007	0.006	0.005	0.000	0.000	0.000	0.000	1370.43	
8	0.6554	1083.3	1102.4	1102.2	0.917	2.813	80.969	14.282	0.928	0.028	0.052	0.004	0.004	0.004	0.000	0.000	0.000	0.000	1361.73	
9	0.6562	1085.2	1104.4	1104.2	0.901	2.789	80.756	14.574	0.899	0.025	0.048	0.003	0.003	0.003	0.000	0.000	0.000	0.000	1363.42	
10	0.6558	1085.6	1104.8	1104.6	0.870	2.783	80.759	14.633	0.879	0.024	0.045	0.003	0.002	0.002	0.000	0.000	0.000	0.000	1364.21	
11	0.6533	1082.0	1101.2	1101.0	0.878	2.748	81.238	14.226	0.840	0.022	0.042	0.002	0.002	0.002	0.000	0.000	0.000	0.000	1362.41	
12	0.6723	1103.7	1123.3	1123.1	0.802	3.320	78.299	15.685	1.713	0.052	0.112	0.007	0.007	0.003	0.000	0.000	0.000	0.000	1370.06	
13	0.6613	1091.6	1110.9	1110.7	0.810	3.021	79.770	15.239	1.059	0.031	0.058	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1366.09	
14	0.6669	1099.8	1119.2	1119.0	0.741	3.150	78.736	16.049	1.207	0.037	0.070	0.005	0.004	0.003	0.000	0.000	0.000	0.000	1370.59	
15	0.6640	1092.8	1112.2	1112.0	0.873	3.103	79.573	15.029	1.288	0.039	0.082	0.005	0.006	0.003	0.000	0.000	0.000	0.000	1364.89	
16	0.6507	1077.6	1096.7	1096.5	0.907	2.729	81.818	13.621	0.850	0.023	0.045	0.003	0.003	0.002	0.000	0.000	0.000	0.000	1359.54	
17	0.6504	1079.1	1098.2	1098.0	0.867	2.666	81.867	13.675	0.842	0.026	0.050	0.003	0.002	0.002	0.000	0.000	0.000	0.000	1361.79	
18	0.6500	1079.0	1098.1	1097.9	0.864	2.637	82.026	13.485	0.898	0.028	0.055	0.003	0.003	0.002	0.000	0.000	0.000	0.000	1362.08	
19	0.6539	1083.9	1103.1	1102.9	0.832	2.755	81.258	14.093	0.967	0.029	0.057	0.003	0.003	0.002	0.000	0.000	0.000	0.000	1364.17	
20	0.6645	1094.8	1114.2	1114.0	0.810	3.126	79.231	15.560	1.159	0.035	0.067	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1366.82	
21	0.6653	1094.9	1114.2	1114.0	0.806	3.203	79.072	15.631	1.175	0.035	0.066	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1366.08	
22	0.6698	1102.3	1121.8	1121.5	0.728	3.288	78.191	16.393	1.275	0.039	0.073	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1370.75	
23	0.6726	1104.8	1124.4	1124.0	0.751	3.366	77.647	16.814	1.296	0.039	0.073	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1370.99	
24	0.6729	1103.7	1123.3	1123.0	0.818	3.361	77.606	16.827	1.267	0.037	0.071	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1369.34	
25	0.6699	1098.2	1117.7	1117.4	0.942	3.228	78.057	16.657	1.027	0.028	0.052	0.003	0.003	0.003	0.000	0.000	0.000	0.000	1365.53	
26	0.6676	1096.7	1116.1	1115.7	0.799	3.317	78.434	16.289	1.066	0.030	0.055	0.004	0.003	0.003	0.000	0.000	0.000	0.000	1365.99	
27	0.6715	1102.5	1122.0	1121.3	0.853	3.255	77.838	16.755	1.188	0.034	0.065	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1369.19	
28	0.6593	1087.9	1107.2	1106.9	0.855	2.991	80.113	14.984	0.970	0.027	0.052	0.003	0.003	0.002	0.000	0.000	0.000	0.000	1363.53	
<b>Avg</b>	<b>0.6652</b>	<b>1096.0</b>	<b>1115.5</b>	<b>1115.3</b>	<b>0.806</b>	<b>3.114</b>	<b>79.141</b>	<b>15.625</b>	<b>1.196</b>	<b>0.036</b>	<b>0.070</b>	<b>0.005</b>	<b>0.004</b>	<b>0.003</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1367.77</b>	

# Source Daily Summary

February 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	0.6765	1114.6	1134.3	1134.1	0.578	3.406	76.774	17.705	1.411	0.043	0.076	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1379.06	
2	0.6767	1110.4	1130.1	1129.9	0.767	3.383	76.914	17.429	1.376	0.044	0.078	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1373.78	
3	0.6767	1112.4	1132.1	1132.0	0.670	3.411	76.896	17.437	1.444	0.047	0.085	0.005	0.005	0.000	0.000	0.000	0.000	0.000	1376.24	
4	0.6758	1111.2	1130.9	1130.7	0.656	3.422	77.050	17.294	1.439	0.046	0.084	0.005	0.005	0.000	0.000	0.000	0.000	0.000	1375.67	
5	0.6717	1107.4	1127.0	1126.8	0.711	3.184	77.927	16.662	1.373	0.047	0.084	0.006	0.005	0.000	0.000	0.000	0.000	0.000	1375.12	
6	0.6728	1107.4	1127.0	1126.8	0.715	3.283	77.695	16.786	1.381	0.046	0.083	0.006	0.005	0.000	0.000	0.000	0.000	0.000	1373.96	
7	0.6683	1100.4	1119.8	1119.7	0.858	3.076	78.573	16.162	1.206	0.042	0.072	0.006	0.005	0.000	0.000	0.000	0.000	0.000	1369.79	
8	0.6761	1111.4	1131.1	1130.9	0.820	3.193	76.856	17.856	1.164	0.037	0.066	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1375.58	
9	0.6794	1115.6	1135.3	1135.2	0.738	3.367	76.218	18.275	1.282	0.040	0.072	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1377.45	
10	0.6772	1110.4	1130.1	1130.0	0.811	3.368	76.647	17.845	1.218	0.037	0.067	0.004	0.003	0.000	0.000	0.000	0.000	0.000	1373.28	
11	0.6780	1115.0	1134.7	1134.6	0.672	3.381	76.522	17.932	1.362	0.043	0.078	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1378.02	
12	0.6760	1111.1	1130.8	1130.6	0.695	3.389	76.938	17.505	1.344	0.043	0.077	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1375.32	
13	0.6763	1112.2	1131.9	1131.7	0.685	3.368	76.862	17.621	1.337	0.042	0.076	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1376.34	
14	0.6745	1107.8	1127.4	1127.3	0.733	3.392	77.224	17.225	1.303	0.041	0.074	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1372.76	
15	0.6751	1107.4	1127.0	1126.8	0.856	3.289	76.973	17.695	1.092	0.032	0.057	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1371.62	
16	0.6768	1110.9	1130.6	1130.5	0.835	3.268	76.603	18.103	1.095	0.033	0.057	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1374.25	
17	0.6753	1109.0	1128.7	1128.5	0.771	3.333	77.036	17.499	1.245	0.038	0.069	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1373.48	
18	0.6756	1110.2	1129.9	1129.7	0.717	3.371	76.994	17.489	1.305	0.041	0.073	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1374.64	
19	0.6742	1107.4	1127.1	1126.9	0.758	3.346	77.252	17.280	1.248	0.039	0.069	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1372.62	
20	0.6714	1103.0	1122.5	1122.4	0.764	3.345	77.834	16.684	1.255	0.039	0.070	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1369.94	
21	0.6716	1104.3	1123.8	1123.7	0.753	3.308	77.745	16.857	1.224	0.038	0.068	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1371.30	
22	0.6743	1107.8	1127.4	1127.2	0.728	3.382	77.241	17.242	1.286	0.040	0.072	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1372.92	
23	0.6742	1106.4	1126.0	1125.8	0.787	3.365	77.238	17.284	1.217	0.037	0.065	0.004	0.003	0.000	0.000	0.000	0.000	0.000	1371.35	
24	0.6745	1104.6	1124.2	1124.0	0.924	3.302	77.071	17.584	1.035	0.029	0.051	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1368.79	
25	0.6714	1102.0	1121.5	1121.4	0.766	3.404	77.599	17.061	1.079	0.031	0.054	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1368.67	
26	0.6765	1110.3	1130.0	1129.8	0.801	3.327	76.720	17.878	1.172	0.035	0.061	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1373.82	
27	0.6814	1119.3	1139.1	1139.0	0.798	3.246	75.525	19.330	1.022	0.028	0.048	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1379.96	
28	0.6753	1109.3	1129.0	1128.8	0.706	3.418	76.829	17.793	1.157	0.033	0.058	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1373.79	
Avg	0.6751	1109.0	1128.9	1128.7	0.753	3.333	77.063	17.483	1.253	0.039	0.069	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1373.91	

# Source Daily Summary

February 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	0.6782	1115.1	1134.8	1133.9	0.575	3.534	77.028	16.790	1.880	0.063	0.116	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1377.96	
2	0.6782	1115.0	1134.8	1134.1	0.572	3.537	77.029	16.787	1.881	0.064	0.115	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1377.96	
3	0.6781	1114.9	1134.7	1133.8	0.571	3.537	77.047	16.776	1.878	0.063	0.115	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1377.92	
4	0.6778	1114.5	1134.3	1133.4	0.567	3.538	77.101	16.725	1.876	0.063	0.115	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1377.72	
5	0.6775	1114.1	1133.8	1132.9	0.566	3.538	77.152	16.679	1.873	0.063	0.114	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.50	
6	0.6776	1114.3	1134.0	1133.1	0.564	3.540	77.128	16.708	1.869	0.063	0.114	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1377.63	
7	0.6775	1114.0	1133.7	1132.9	0.563	3.545	77.156	16.674	1.870	0.063	0.115	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.44	
8	0.6772	1113.8	1133.5	1132.5	0.557	3.545	77.195	16.646	1.867	0.063	0.114	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.40	
9	0.6772	1113.8	1133.5	1132.6	0.558	3.548	77.192	16.643	1.867	0.063	0.114	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.33	
10	0.6772	1113.9	1133.6	1132.7	0.554	3.542	77.189	16.667	1.859	0.063	0.113	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.52	
11	0.6770	1113.6	1133.3	1132.4	0.553	3.540	77.231	16.632	1.856	0.063	0.113	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.39	
12	0.6769	1113.5	1133.2	1132.5	0.551	3.544	77.235	16.625	1.857	0.062	0.113	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.35	
13	0.6769	1113.5	1133.2	1132.3	0.549	3.542	77.244	16.624	1.853	0.063	0.113	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.40	
14	0.6767	1113.2	1132.9	1132.4	0.545	3.546	77.272	16.599	1.850	0.062	0.112	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.26	
15	0.6767	1113.1	1132.8	1131.9	0.548	3.551	77.276	16.588	1.848	0.063	0.113	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.06	
16	0.6770	1113.8	1133.5	1132.6	0.543	3.544	77.207	16.667	1.849	0.063	0.113	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.66	
17	0.6770	1114.0	1133.7	1133.0	0.540	3.536	77.195	16.701	1.839	0.062	0.112	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.88	
18	0.6767	1113.6	1133.3	1132.6	0.539	3.539	77.236	16.665	1.835	0.062	0.111	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.67	
19	0.6763	1113.0	1132.7	1132.2	0.539	3.538	77.311	16.596	1.830	0.062	0.111	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.32	
20	0.6759	1112.4	1132.1	1131.4	0.537	3.540	77.394	16.515	1.828	0.062	0.111	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1376.95	
21	0.6760	1112.5	1132.2	1131.3	0.543	3.528	77.367	16.569	1.808	0.061	0.109	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.06	
22	0.6756	1112.2	1131.9	1131.0	0.539	3.516	77.418	16.554	1.791	0.060	0.108	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.09	
23	0.6760	1112.7	1132.4	1131.8	0.528	3.539	77.361	16.568	1.819	0.061	0.110	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.29	
24	0.6719	1105.0	1124.5	1123.7	0.591	3.530	78.045	16.023	1.648	0.054	0.097	0.006	0.005	0.000	0.000	0.000	0.000	0.000	1371.87	
25	0.6751	1111.4	1131.1	1130.3	0.560	3.489	77.466	16.576	1.734	0.058	0.104	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1376.59	
26	0.6752	1112.1	1131.8	1130.7	0.533	3.501	77.360	16.666	1.763	0.059	0.106	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.32	
27	0.6745	1111.2	1130.9	1129.8	0.545	3.464	77.562	16.545	1.713	0.057	0.101	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1376.99	
28	0.6744	1111.0	1130.7	1129.6	0.546	3.468	77.579	16.517	1.720	0.056	0.101	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1376.81	
Avg	0.6765	1113.0	1132.7	1131.9	0.553	3.531	77.285	16.619	1.827	0.061	0.111	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.19	

# Source Daily Summary

February 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	1142.5	1162.7	1160.6	1.088	2.929	71.858	23.642	0.468	0.006	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.02	-24.36
2	0.6976	1142.3	1162.6	1160.6	1.092	2.930	71.847	23.663	0.454	0.006	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.88	-24.43
3	0.6980	1142.8	1163.0	1160.8	1.105	2.915	71.805	23.697	0.463	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.09	-24.22
4	0.6978	1142.7	1162.9	1160.5	1.088	2.926	71.833	23.674	0.464	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.18	-24.30
5	0.6977	1142.8	1163.0	1161.4	1.085	2.920	71.833	23.689	0.459	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.38	-24.32
6	0.6974	1142.1	1162.3	1160.1	1.086	2.932	71.897	23.608	0.463	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.82	-24.50
7	0.6975	1141.7	1161.9	1159.6	1.095	2.953	71.887	23.580	0.469	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.22	-24.49
8	0.6976	1141.6	1161.9	1160.0	1.110	2.938	71.891	23.582	0.465	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.11	-24.49
9	0.6973	1141.6	1161.9	1159.7	1.098	2.933	71.934	23.554	0.466	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.36	-24.57
10	0.6973	1142.0	1162.2	1160.3	1.095	2.912	71.923	23.606	0.450	0.006	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.84	-24.59
11	0.6972	1141.6	1161.8	1159.4	1.100	2.925	71.937	23.571	0.453	0.006	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.39	-24.65
12	0.6972	1141.7	1161.9	1159.4	1.096	2.920	71.946	23.576	0.449	0.006	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.54	-24.68
13	0.6987	1144.2	1164.4	1162.5	1.113	2.891	71.664	23.851	0.467	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1393.01	-23.79
14	0.6983	1143.4	1163.7	1161.8	1.105	2.908	71.731	23.781	0.459	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.51	-24.05
15	0.6979	1142.7	1163.0	1161.0	1.108	2.911	71.822	23.673	0.471	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.04	-24.21
16	0.6974	1142.2	1162.5	1160.2	1.098	2.907	71.891	23.646	0.443	0.006	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.97	-24.54
17	0.6980	1142.8	1163.0	1160.5	1.103	2.916	71.842	23.628	0.496	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.10	-24.11
18	0.6976	1141.7	1162.0	1159.5	1.120	2.918	71.901	23.584	0.463	0.006	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.22	-24.48
19	0.6971	1141.3	1161.5	1159.3	1.110	2.919	71.977	23.526	0.454	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.08	-24.72
20	0.6982	1143.1	1163.4	1161.4	1.105	2.915	71.752	23.755	0.457	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.28	-24.13
21	0.6976	1142.5	1162.8	1160.5	1.094	2.909	71.890	23.613	0.479	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.17	-24.32
22	0.6974	1141.8	1162.0	1159.9	1.105	2.920	71.941	23.543	0.477	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.45	-24.50
23	0.6977	1142.2	1162.4	1160.5	1.114	2.905	71.900	23.584	0.482	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.71	-24.33
24	0.6973	1142.2	1162.4	1160.5	1.104	2.890	71.953	23.565	0.474	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.03	-24.46
25	0.6971	1141.3	1161.5	1159.6	1.109	2.915	72.002	23.486	0.474	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.18	-24.65
26	0.6974	1142.4	1162.6	1161.1	1.099	2.897	71.934	23.575	0.480	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.13	-24.39
27	0.6968	1141.0	1161.2	1159.6	1.108	2.910	72.049	23.451	0.468	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.07	-24.80
28	0.6971	1140.9	1161.1	1159.5	1.114	2.928	72.003	23.473	0.468	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.75	-24.73
Avg	0.6976	1142.0	1162.4	1160.4	1.102	2.918	71.887	23.614	0.466	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.77	-24.42

# Source Daily Summary

February 2025

Source #: 351  
Name: BADLANDS 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	0.6549	1079.5	1098.7	1098.3	0.715	3.301	80.933	13.907	1.041	0.032	0.060	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1357.58	
2	0.6543	1078.4	1097.5	1097.3	0.726	3.289	81.047	13.826	1.011	0.032	0.058	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1356.88	
3	0.6550	1079.6	1098.7	1098.5	0.724	3.286	80.923	13.938	1.026	0.032	0.060	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1357.63	
4	0.6549	1079.7	1098.9	1098.6	0.719	3.284	80.922	13.945	1.026	0.032	0.060	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1357.81	
5	0.6539	1077.8	1096.9	1096.7	0.715	3.304	81.124	13.741	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.55	
6	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
7	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
8	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
9	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
10	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
11	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
12	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
13	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
14	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
15	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
16	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
17	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
18	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
19	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
20	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
21	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
22	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
23	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
24	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
25	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
26	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
27	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
28	0.6538	1077.8	1096.9	1096.6	0.714	3.305	81.130	13.736	1.012	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.52	
Avg	0.6540	1078.0	1097.1	1096.8	0.715	3.302	81.105	13.760	1.014	0.032	0.059	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1356.66	



February-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	
2/1/2025	2/2/2025	2,403	2,619	1089.9	2,452	2,803	1136.1	1113.233	2/1/2025
2/2/2025	2/3/2025	2,413	2,629	1089.3	5,043	5,734	1137.3	1121.766	2/2/2025
2/3/2025	2/4/2025	2,409	2,626	1090.1	6,802	7,678	1128.8	1118.679	2/3/2025
2/4/2025	2/5/2025	2,433	2,649	1,089	6,154	6,950	1129.4	1117.812	2/4/2025
2/5/2025	2/6/2025	2,419	2,636	1089.7	5,726	6,438	1125	1114.516	2/5/2025
2/6/2025	2/7/2025	2,388	2,593	1085.7	5,762	6,475	1123.9	1112.707	2/6/2025
2/7/2025	2/8/2025	2,427	2,628	1,083	5,179	5,793	1118.6	1107.304	2/7/2025
2/8/2025	2/9/2025	2,437	2,640	1083.3	5,439	5,991	1102.4	1096.490	2/8/2025
2/9/2025	2/10/2025	2,444	2,648	1,084	5,637	6,228	1104.4	1098.079	2/9/2025
2/10/2025	2/11/2025	2,440	2,646	1,085	7,184	7,934	1104.8	1099.653	2/10/2025
2/11/2025	2/12/2025	3,718	4,029	1083.6	7,459	8,214	1101.2	1095.345	2/11/2025
2/12/2025	2/13/2025	5,678	6,146	1082.2	7,817	8,781	1123.3	1106.007	2/12/2025
2/13/2025	2/14/2025	2,258	2,444	1,082	6,145	6,827	1110.9	1103.242	2/13/2025
2/14/2025	2/15/2025	2,385	2,588	1085.4	6,339	7,096	1119.2	1109.960	2/14/2025
2/15/2025	2/16/2025	2,364	2,564	1084.4	6,880	7,645	1112.2	1105.091	2/15/2025
2/16/2025	2/17/2025	2,354	2,554	1,085	7,908	8,667	1096.7	1094.039	2/16/2025
2/17/2025	2/18/2025	2,173	2,349	1080.9	9,227	10,132	1098.2	1094.902	2/17/2025
2/18/2025	2/19/2025	2,480	2,683	1081.4	8,737	9,594	1098.1	1094.408	2/18/2025
2/19/2025	2/20/2025	6,931	7,517	1,085	7,777	8,579	1103.1	1094.429	2/19/2025
2/20/2025	2/21/2025	11,704	12,684	1084.1	6,337	7,061	1114.2	1094.673	2/20/2025
2/21/2025	2/22/2025	2,549	2,749	1,078	3,432	3,824	1114.2	1098.857	2/21/2025
2/22/2025	2/23/2025	2,456	2,656	1,081	1,903	2,135	1121.8	1098.925	2/22/2025
2/23/2025	2/24/2025	2,429	2,635	1084.6	1,158	1,302	1124.5	1097.481	2/23/2025
2/24/2025	2/25/2025	3,935	4,270	1084.7	1,665	1,870	1123.3	1096.177	2/24/2025
2/25/2025	2/26/2025	2,413	2,627	1,089	1,640	1,833	1117.7	1100.494	2/25/2025
2/26/2025	2/27/2025	2,358	2,562	1086.6	1,148	1,284	1116.2	1096.292	2/26/2025
2/27/2025	2/28/2025	2,629	2,846	1082.7	640	712	1118.3	1089.670	2/27/2025
2/28/2025	3/1/2025	2,416	2,619	1,084	2,538	2,814	1107.2	1095.886	2/28/2025
		87,443	94,836	1084.7393	144,128	160,394	1115.3929	1102.3613	



# Alliance Pipeline

DAILY ANALYSIS --- USA  
 ND07MD1 --- Hankinson Sales  
 February 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	1,154.373	0.6598	84.4092	9.9086	3.3438	0.3500	0.5931	0.0655	0.0509	0.0199	0.8353	0.4148	0.0091
2	1,151.922	0.6575	84.6522	9.8786	3.2506	0.3337	0.5583	0.0619	0.0480	0.0184	0.7843	0.4046	0.0095
3	1,151.734	0.6579	84.5566	9.9308	3.2583	0.3312	0.5551	0.0606	0.0457	0.0181	0.8276	0.4065	0.0095
4	1,152.356	0.6579	84.5335	9.9753	3.2729	0.3302	0.5484	0.0602	0.0453	0.0176	0.8062	0.4008	0.0096
5	1,153.333	0.6588	84.3981	10.0493	3.3029	0.3320	0.5535	0.0610	0.0454	0.0178	0.8326	0.3980	0.0094
6	1,153.106	0.6587	84.4210	10.0306	3.2879	0.3331	0.5564	0.0616	0.0470	0.0185	0.8361	0.3984	0.0094
7	1,153.521	0.6589	84.3598	10.0913	3.2860	0.3326	0.5576	0.0615	0.0466	0.0184	0.8441	0.3922	0.0099
8	1,153.316	0.6588	84.3630	10.0984	3.2859	0.3309	0.5536	0.0600	0.0448	0.0177	0.8412	0.3948	0.0098
9	1,153.761	0.6594	84.3431	10.0597	3.2970	0.3381	0.5686	0.0632	0.0481	0.0189	0.8452	0.4087	0.0093
10	1,152.288	0.6586	84.4440	9.9844	3.2717	0.3337	0.5603	0.0624	0.0475	0.0181	0.8528	0.4155	0.0095
11	1,152.008	0.6583	84.4997	9.9390	3.2784	0.3340	0.5596	0.0613	0.0456	0.0167	0.8507	0.4054	0.0096
12	1,152.104	0.6586	84.4430	9.9846	3.2818	0.3328	0.5553	0.0609	0.0449	0.0165	0.8519	0.4185	0.0096
13	1,151.320	0.6575	84.5952	9.9306	3.2355	0.3320	0.5494	0.0609	0.0455	0.0167	0.8156	0.4087	0.0098
14	1,150.796	0.6573	84.6404	9.8820	3.2405	0.3327	0.5425	0.0600	0.0454	0.0168	0.8090	0.4212	0.0095
15	1,150.725	0.6570	84.6985	9.8429	3.2412	0.3320	0.5443	0.0596	0.0455	0.0167	0.7986	0.4115	0.0092
16	1,152.112	0.6582	84.5069	9.9583	3.2841	0.3317	0.5502	0.0593	0.0450	0.0173	0.8143	0.4232	0.0097
17	1,151.367	0.6570	84.7049	9.8634	3.2605	0.3327	0.5367	0.0580	0.0457	0.0167	0.7525	0.4194	0.0094
18	1,151.766	0.6572	84.6658	9.9093	3.2563	0.3321	0.5419	0.0582	0.0443	0.0164	0.7494	0.4167	0.0098
19	1,151.917	0.6577	84.5974	9.9258	3.2869	0.3309	0.5384	0.0568	0.0444	0.0160	0.7658	0.4282	0.0095
20	1,152.707	0.6583	84.5289	9.9463	3.2968	0.3364	0.5538	0.0596	0.0454	0.0165	0.7845	0.4223	0.0095
21	1,154.091	0.6598	84.3210	10.0296	3.3396	0.3423	0.5729	0.0620	0.0456	0.0164	0.8255	0.4351	0.0099
22	1,152.974	0.6587	84.4862	9.9331	3.3055	0.3416	0.5655	0.0613	0.0464	0.0175	0.8168	0.4164	0.0096
23	1,155.470	0.6609	84.2209	10.0262	3.3965	0.3495	0.5917	0.0634	0.0475	0.0167	0.8482	0.4296	0.0096
24	1,154.870	0.6607	84.2274	10.0362	3.3746	0.3455	0.5871	0.0626	0.0479	0.0171	0.8563	0.4359	0.0094
25	1,153.939	0.6600	84.2919	10.0293	3.3464	0.3424	0.5721	0.0587	0.0477	0.0173	0.8486	0.4360	0.0095
26	1,154.179	0.6607	84.1323	10.1244	3.3629	0.3406	0.5719	0.0557	0.0463	0.0171	0.8956	0.4435	0.0096
27	1,155.909	0.6624	83.9914	10.0887	3.4471	0.3568	0.5951	0.0604	0.0489	0.0185	0.9366	0.4468	0.0096
28	1,154.447	0.6612	84.1571	10.0291	3.3787	0.3522	0.5893	0.0611	0.0483	0.0184	0.8992	0.4573	0.0092
<b>Volume</b>	<b>1,152.935</b>	<b>0.6588</b>	<b>84.4364</b>	<b>9.9816</b>	<b>3.3020</b>	<b>0.3372</b>	<b>0.5614</b>	<b>0.0606</b>	<b>0.0464</b>	<b>0.0175</b>	<b>0.8293</b>	<b>0.4180</b>	<b>0.0095</b>
<b>Weight Avg Energy</b>	<b>1,152.937</b>	<b>0.6588</b>	<b>84.4363</b>	<b>9.9816</b>	<b>3.3021</b>	<b>0.3372</b>	<b>0.5614</b>	<b>0.0606</b>	<b>0.0464</b>	<b>0.0175</b>	<b>0.8293</b>	<b>0.4180</b>	<b>0.0095</b>



# Alliance Pipeline

DAILY ANALYSIS --- USA  
 ND14MD1 --- Milnor Sales  
 February 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	1,154.526	0.6598	84.3987	9.9177	3.3463	0.3502	0.5935	0.0656	0.0509	0.0200	0.8339	0.4141	0.0091
2	1,151.523	0.6573	84.6678	9.8755	3.2403	0.3321	0.5545	0.0612	0.0474	0.0181	0.7889	0.4047	0.0095
3	1,151.598	0.6576	84.5930	9.9174	3.2518	0.3307	0.5528	0.0605	0.0456	0.0180	0.8171	0.4034	0.0096
4	1,152.608	0.6581	84.5068	9.9890	3.2798	0.3308	0.5501	0.0606	0.0455	0.0177	0.8102	0.3999	0.0096
5	1,153.353	0.6588	84.3931	10.0495	3.3048	0.3321	0.5540	0.0610	0.0454	0.0178	0.8336	0.3994	0.0094
6	1,153.158	0.6587	84.4144	10.0374	3.2862	0.3332	0.5571	0.0617	0.0471	0.0186	0.8370	0.3977	0.0095
7	1,153.481	0.6589	84.3591	10.0943	3.2856	0.3320	0.5565	0.0613	0.0464	0.0184	0.8442	0.3923	0.0099
8	1,153.547	0.6590	84.3551	10.0991	3.2898	0.3327	0.5566	0.0603	0.0453	0.0178	0.8388	0.3949	0.0096
9	1,153.723	0.6594	84.3499	10.0479	3.2978	0.3384	0.5700	0.0635	0.0482	0.0191	0.8467	0.4092	0.0094
10	1,151.981	0.6584	84.4718	9.9634	3.2662	0.3333	0.5591	0.0624	0.0473	0.0179	0.8542	0.4149	0.0096
11	1,152.258	0.6584	84.4722	9.9640	3.2838	0.3338	0.5589	0.0611	0.0454	0.0166	0.8499	0.4049	0.0096
12	1,151.951	0.6585	84.4637	9.9679	3.2779	0.3332	0.5558	0.0610	0.0450	0.0165	0.8489	0.4204	0.0097
13	1,151.354	0.6575	84.6041	9.9245	3.2361	0.3323	0.5495	0.0609	0.0459	0.0169	0.8108	0.4094	0.0097
14	1,150.693	0.6573	84.6360	9.8886	3.2364	0.3322	0.5413	0.0598	0.0453	0.0167	0.8149	0.4193	0.0095
15	1,151.126	0.6573	84.6603	9.8576	3.2568	0.3329	0.5470	0.0598	0.0455	0.0167	0.8019	0.4122	0.0093
16	1,151.573	0.6577	84.5727	9.9309	3.2680	0.3300	0.5445	0.0585	0.0445	0.0170	0.8022	0.4219	0.0096
17	1,151.130	0.6569	84.7213	9.8598	3.2507	0.3320	0.5351	0.0578	0.0457	0.0167	0.7505	0.4211	0.0095
18	1,152.096	0.6575	84.6373	9.9195	3.2691	0.3329	0.5444	0.0584	0.0442	0.0164	0.7505	0.4176	0.0097
19	1,151.978	0.6577	84.5973	9.9271	3.2869	0.3313	0.5385	0.0569	0.0446	0.0162	0.7658	0.4259	0.0095
20	1,152.709	0.6583	84.5251	9.9454	3.2949	0.3368	0.5560	0.0600	0.0455	0.0165	0.7868	0.4235	0.0095
21	1,154.135	0.6599	84.3172	10.0276	3.3422	0.3427	0.5733	0.0621	0.0458	0.0166	0.8272	0.4353	0.0099
22	1,153.134	0.6589	84.4513	9.9581	3.3122	0.3409	0.5648	0.0608	0.0461	0.0171	0.8209	0.4182	0.0096
23	1,155.455	0.6608	84.2382	10.0140	3.3945	0.3498	0.5933	0.0636	0.0477	0.0169	0.8457	0.4269	0.0095
24	1,154.924	0.6606	84.2294	10.0399	3.3744	0.3454	0.5862	0.0625	0.0481	0.0171	0.8523	0.4353	0.0095
25	1,153.994	0.6601	84.2739	10.0353	3.3498	0.3428	0.5732	0.0584	0.0478	0.0175	0.8559	0.4360	0.0095
26	1,154.269	0.6608	84.1103	10.1407	3.3654	0.3402	0.5716	0.0557	0.0462	0.0169	0.9006	0.4428	0.0097
27	1,156.189	0.6626	83.9776	10.0671	3.4617	0.3613	0.6008	0.0613	0.0497	0.0192	0.9403	0.4515	0.0096
28	1,154.232	0.6608	84.1873	10.0425	3.3621	0.3488	0.5847	0.0605	0.0477	0.0179	0.8873	0.4520	0.0092
<b>Volume</b>	<b>1,152.777</b>	<b>0.6587</b>	<b>84.4536</b>	<b>9.9780</b>	<b>3.2963</b>	<b>0.3363</b>	<b>0.5591</b>	<b>0.0605</b>	<b>0.0462</b>	<b>0.0174</b>	<b>0.8258</b>	<b>0.4172</b>	<b>0.0096</b>
<b>Weight Avg Energy</b>	<b>1,152.779</b>	<b>0.6587</b>	<b>84.4534</b>	<b>9.9782</b>	<b>3.2964</b>	<b>0.3363</b>	<b>0.5591</b>	<b>0.0605</b>	<b>0.0462</b>	<b>0.0174</b>	<b>0.8259</b>	<b>0.4172</b>	<b>0.0096</b>

February-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		
2/1/2025	2/2/2025	449	542	1206.1	935	1,023	1094.5	1130.705	2/1/2025
2/2/2025	2/3/2025	633	764	1206.1	1,464	1,603	1094.5	1128.188	2/2/2025
2/3/2025	2/4/2025	701	846	1206.1	1,603	1,755	1094.5	1128.455	2/3/2025
2/4/2025	2/5/2025	651	785	1206.1	1,502	1,644	1094.5	1128.244	2/4/2025
2/5/2025	2/6/2025	665	802	1206.1	1,474	1,613	1094.5	1129.196	2/5/2025
2/6/2025	2/7/2025	672	810	1206.1	1,485	1,625	1094.5	1129.268	2/6/2025
2/7/2025	2/8/2025	607	732	1206.1	1,364	1,492	1094.5	1128.869	2/7/2025
2/8/2025	2/9/2025	584	704	1206.1	1,331	1,456	1094.5	1128.534	2/8/2025
2/9/2025	2/10/2025	616	743	1206.1	1,323	1,448	1094.5	1129.954	2/9/2025
2/10/2025	2/11/2025	747	901	1206.1	1,601	1,752	1094.5	1130.005	2/10/2025
2/11/2025	2/12/2025	704	850	1206.1	1,620	1,773	1094.5	1128.307	2/11/2025
2/12/2025	2/13/2025	705	851	1206.1	1,520	1,663	1094.5	1129.861	2/12/2025
2/13/2025	2/14/2025	626	755	1206.1	1,411	1,545	1094.5	1128.796	2/13/2025
2/14/2025	2/15/2025	658	793	1206.1	1,657	1,814	1094.5	1126.220	2/14/2025
2/15/2025	2/16/2025	649	782	1206.1	1,603	1,755	1094.5	1126.662	2/15/2025
2/16/2025	2/17/2025	761	918	1206.1	1,573	1,721	1094.5	1130.887	2/16/2025
2/17/2025	2/18/2025	799	964	1206.1	1,629	1,783	1094.5	1131.225	2/17/2025
2/18/2025	2/19/2025	786	948	1206.1	1,715	1,877	1094.5	1129.573	2/18/2025
2/19/2025	2/20/2025	716	863	1206.1	1,643	1,798	1094.5	1128.373	2/19/2025
2/20/2025	2/21/2025	608	733	1206.1	1,347	1,474	1094.5	1129.207	2/20/2025
2/21/2025	2/22/2025	442	533	1206.1	898	983	1094.5	1131.311	2/21/2025
2/22/2025	2/23/2025	373	450	1206.1	677	741	1094.5	1134.145	2/22/2025
2/23/2025	2/24/2025	337	406	1206.1	539	590	1094.5	1137.433	2/23/2025
2/24/2025	2/25/2025	336	405	1206.1	577	632	1094.5	1135.571	2/24/2025
2/25/2025	2/26/2025	340	410	1206.1	630	690	1094.5	1133.618	2/25/2025
2/26/2025	2/27/2025	327	394	1206.1	586	642	1094.5	1134.471	2/26/2025
2/27/2025	2/28/2025	307	371	1206.1	477	522	1094.5	1138.201	2/27/2025
2/28/2025	3/1/2025	352	424	1206.1	691	756	1094.5	1132.164	2/28/2025
		16,151	19,479	1206.1000	34,875	38,170	1094.5000	1130.6229	

Tsp	EffDate	EndDate	Device	GasDay	EndDt	BTU	SpecGrav	CriconTherm	WobbeIndex	CO2	N2	Methane	Ethane	Propane	iButane	nButane	iPentane	nPentane	NeoPentane	CSPlus	Hydrogen	Helium	WaterVapor	TotalSulfur	HydrogenSulfur	Oxygen
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/1/2025	2/2/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0145	0.0053	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/2/2025	2/3/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0163	0.0054	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/3/2025	2/4/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0173	0.0046	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/4/2025	2/5/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0177	0.0059	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/5/2025	2/6/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0182	0.0061	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/6/2025	2/7/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0183	0.0046	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/7/2025	2/8/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0168	0.0052	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/8/2025	2/9/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0163	0.0045	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/9/2025	2/10/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0173	0.0046	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/10/2025	2/11/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0164	0.0047	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/11/2025	2/12/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0171	0.0048	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/11/2025	2/13/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0171	0.0048	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/13/2025	2/14/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0154	0.0051	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/14/2025	2/15/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0165	0.0049	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/15/2025	2/16/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0146	0.0053	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/16/2025	2/17/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0144	0.0044	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/17/2025	2/18/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0109	0.0029	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/18/2025	2/19/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0069	0.0012	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/19/2025	2/20/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0076	0.0012	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/20/2025	2/21/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0085	0.0015	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/21/2025	2/22/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0084	0.0015	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/22/2025	2/23/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0069	0.0022	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/23/2025	2/24/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0068	0.0023	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/24/2025	2/25/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0073	0.0017	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/25/2025	2/26/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0071	0.002	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/26/2025	2/27/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.0068	0.0018	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/27/2025	2/28/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.006	0.0017	N/A
NBPL	1/30/2025 0:00	4/3/2025 0:00	GLNU1 - GLEN ULLIN	2/27/2025	3/1/2025	1104	0.6537	-44.4	1365.462668	0.9491	2.5125	80.8579	14.5931	0.8578	0.016	0.0284	0	0.0027	0	0	0.1606	0.0219	N/A	0.006	0.0017	N/A

<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	FEB25	JAN25	DEC24	NOV24	OCT24	SEP24	AUG24	JUL24	JUN24	MAY24	APR24	MAR24
MT/ND	211	Sidney Border - MonDak Tfr - Sidney Plt	1186	1173	1183	1183	1184	1182	1191	1194	1192	1190	1187	1184	1185
ND	24	Williston Border - Charbonneau Station	1185	1197	1185	1182	1179	1187	1187	1185	1191	1186	1184	1181	1181
ND	25	Watford City West Border	1194	1206	1191	1193	1186	1194	1194	1197	1192	1187	1201	1193	1194
ND	28	Bismarck Station - Glen Ullin Station	1169	1116	1134	1136	1159	1171	1204	1203	1200	1202	1200	1160	1147
ND	31	Dickinson Brd - Belfield Trf - G Ullin Stn	1124	1129	1137	1139	1144	1111	1106	1111	1115	1108	1106	1133	1147
ND/MT	32	Cabin Creek Station - Belfied Transfer	1132	1133	1134	1130	1135	1139	1128	1135	1110	1135	1144	1144	1116
ND	33	Little Knife Plant	1167	1162	1164	1162	1163	1165	1162	1165	1173	1170	1170	1173	1173
ND	34	Badlands Plant/Bowman Border	1054	1097	1104	1104	1127	1110	1034	980	981	1040	1043	1005	1027
ND	43	Watford City East Border	1096	1094	1107	1107	1110	1112	1112	1117	1085	1081	1075	1066	1085
ND/MT	241	Fairview Border	1182	1182	1183	1181	1180	1185	1183	1182	1185	1181	1172	1182	1186
ND	267	North Tioga Transfer - Nesson Plant	1193	1197	1194	1204	1191	1191	1195	1199	1191	1191	1193	1183	1187
ND	261	Tioga Comp Station - Robinson Lake Plant	1200	1209	1198	1209	1208	1208	1195	1200	1195	1197	1195	1196	1195
ND	262	Minot Bdr - Palermo Bdr - Bismarck Stn	1203	1210	1207	1209	1207	1210	1203	1201	1199	1200	1199	1195	1195
ND	263	Lignite Plant	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131
ND	264	Epping Border	1178	1202	1174	1174	1166	1183	1188	1182	1179	1172	1168	1176	1172
ND	265	Tioga Comp Station - County Line Plant	1185	1190	1191	1191	1180	1175	1179	1181	1183	1174	1188	1195	1192
ND	266	County Line Plant	1186	1193	1189	1192	1182	1177	1181	1183	1187	1174	1188	1195	1193
ND	271	Bismarck Station - Cleveland Station	1195	1158	1182	1190	1200	1212	1204	1203	1200	1202	1201	1198	1192
ND	272	Cleveland Station - Mapleton	1194	1157	1182	1190	1200	1211	1202	1202	1200	1201	1200	1197	1191
ND	273	Cleveland Station - Grafton Border	1194	1157	1182	1189	1199	1211	1202	1202	1200	1202	1199	1198	1191
ND	274	Felton(Viking) - Kindred-Wahpeton	0	1050	1050	1050	0	0	0	0	0	0	0	0	0
ND	550	Mandan Border / NBPL-St Anthony	1155	1102	1120	1115	1156	1164	1198	1179	1168	1160	1192	1157	1146
ND	610	MDU-Watford City BTU	1123	1131	1133	1135	1139	1130	1115	1127	1108	1111	1121	1112	1118
ND	802	NBPL - Linton	1101	1085	1093	1093	1100	1099	1103	1108	1100	1100	1104	1109	1114
ND	903	Hettinger Propane	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549
ND	600	Alliance Pipeline - Hankinson	1152	1153	1155	1155	1155	1157	1159	1157	1148	1147	1148	1148	1146
ND	601	Alliance Pipeline - Milnor	1153	1153	1154	1155	1155	1157	1160	1157	1149	1147	1149	1148	1146

<b>THERMAL ZONE VARIANCE DOCUMENTATION</b>		
<b>February 2025</b>		
<b><i>ZONE</i></b>	<b><i>BTU VARIANCE</i></b>	<b><i>REASON</i></b>
264	-28	Operational
271	24	Operational/Blend
272	25	Operational/Blend
273	25	Operational/Blend