



A Subsidiary of MDU Resources Group, Inc.

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September 23, 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 – July 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 August 2025.
2. Attachment B consists of copies of the monthly Heating Value Test Reports received from our suppliers for the month of July 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 July 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
Aug-25

<u>Town</u>	<u>Heat Zone</u>	<u>Therm Factor</u>
MDU-303-ALEXANDER	025	1.1419
MDU-308-ARNEGARD	025	1.1419
MDU-314-APPLE VALLEY	271	1.1646
MDU-318-BEACH	032	1.0433
MDU-319-BELFIELD	032	1.0510
MDU-323-BERTHOLD	262	1.1391
MDU-327-BISMARCK	028	1.1646
MDU-330-BOWMAN	034	0.9779
MDU-337-BURLINGTON	262	1.1636
MDU-343-CARRINGTON	273	1.1627
MDU-719-CASSELTON	272	1.1708
MDU-344-CLEVELAND	272	1.1545
MDU-364-CAVALIER	273	1.1872
MDU-365-DAWSON	271	1.1564
MDU-368-DES LACS	262	1.1473
MDU-369-DICKINSON	031	1.0643
MDU-374-FT TOTTEN	273	1.1708
MDU-375-DEVILS LAKE	273	1.1708
MDU-379-BARLOW	273	1.1627
MDU-384-EPPING	264	1.1258
MDU-387-ELDRIDGE	272	1.1627
MDU-407-GLADSTONE	031	1.0409
MDU-411-GLEN ULLIN	031	1.0720
MDU-413-GOLVA	032	1.0280
MDU-416-GARRISON	262	1.1473
MDU-417-GRAFTON	273	1.1954
MDU-403-GWINNER	601	1.1360
MDU-429-HEBRON	031	1.0720
MDU-432-HETTINGER	903	2.4049
MDU-449-JAMESTOWN	272	1.1708
MDU-459-KILLDEER	033	1.0956
MDU-751-KINDRED	272	1.0241
MDU-463-LANGDON	273	1.1627
MDU-469-LEFOR	031	1.0643
MDU-474-LIGNITE	263	1.0759
MDU-475-LINTON	802	1.0478
MDU-478-LINCOLN	028	1.1646
MDU-488-MCKENZIE	271	1.1646
MDU-494-MEDINA	271	1.1564
MDU-498-MANDAN	028	1.1646
MDU-500-MARMARTH	034	0.9851
MDU-505-MINOT	262	1.1636
MDU-510-MOTT	031	1.0643
MDU-512-MAX	262	1.1636
MDU-513-MILNOR	601	1.1360
MDU-522-NEW ENGLAND	031	1.0566
MDU-524-NEW SALEM	028	1.1400
MDU-532-NEW ROCKFORD	273	1.1627
MDU-539-PARK RIVER	273	1.1872

MDU-540-PALERMO	262	1.1391
MDU-558-RAY	264	1.1258
MDU-561-REGENT	031	1.0566
MDU-563-RHAME	034	0.9707
MDU-564-RICHARDTON	031	1.0566
MDU-568-ROSS	261	1.1309
MDU-572-RUTHVILLE	262	1.1636
MDU-574-SANBORN	272	1.1708
MDU-583-SENTINEL BUTTE	032	1.0433
MDU-588-SOUTH HEART	031	1.0409
MDU-717-SPIRITWOOD	272	1.1872
MDU-590-SPRINGBROOK	264	1.1258
MDU-591-STANLEY	261	1.1391
MDU-593-STEELE	271	1.1564
MDU-594-STERLING	028	1.1646
MDU-598-SHEYENNE	273	1.1708
MDU-605-SURREY	262	1.1636
MDU-610-TAPPEN	271	1.1564
MDU-611-TAYLOR	031	1.0566
MDU-616-TIOGA	260	1.1140
MDU-619-TURTLE LAKE	262	1.1473
MDU-620-TRENTON	024	1.1349
MDU-624-UNDERWOOD	262	1.1473
MDU-625-VALLEY CITY	272	1.1790
MDU-629-WALHALLA	273	1.1872
MDU-632-WATFORD CITY	610	1.0078
MDU-104-WAHPETON	247	1.0340
MDU-636-WHEELLOCK	264	1.1178
MDU-637-WHITE EARTH	261	1.1391
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	1.1358
MDU-712-MINOT AFB	262	1.1636
MDU-718-FAIRMOUNT	600	1.1336
MDU-732-NEKOMA	273	1.1627
MDU-732-MSR SITE	273	1.1627

Source Daily Summary

July 2025

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

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.7166	1161.2	1181.8	1180.7	1.226	3.338	71.503	20.478	3.015	0.128	0.265	0.019	0.018	0.011	0.000	0.000	0.000	0.000	1396.00	
2	0.7170	1160.5	1181.0	1179.7	1.218	3.427	71.486	20.352	3.060	0.132	0.276	0.019	0.019	0.011	0.000	0.000	0.000	0.000	1394.78	
3	0.7141	1158.9	1179.5	1178.2	1.170	3.321	72.026	20.008	3.008	0.131	0.283	0.020	0.021	0.012	0.000	0.000	0.000	0.000	1395.75	
4	0.7185	1164.6	1185.2	1184.2	1.211	3.328	71.135	20.847	3.039	0.127	0.267	0.018	0.018	0.011	0.000	0.000	0.000	0.000	1398.29	
5	0.7194	1164.3	1184.9	1183.9	1.231	3.405	70.932	20.943	3.081	0.118	0.246	0.017	0.016	0.011	0.000	0.000	0.000	0.000	1396.98	
6	0.7160	1160.3	1180.8	1179.8	1.203	3.372	71.626	20.300	3.075	0.122	0.257	0.018	0.017	0.011	0.000	0.000	0.000	0.000	1395.45	
7	0.7197	1164.2	1184.8	1183.7	1.227	3.444	70.817	21.043	3.080	0.113	0.233	0.016	0.015	0.011	0.000	0.000	0.000	0.000	1396.58	
8	0.7188	1167.5	1188.2	1187.0	1.202	3.191	71.202	20.803	3.174	0.123	0.258	0.018	0.018	0.011	0.000	0.000	0.000	0.000	1401.46	
9	0.7221	1175.6	1196.4	1194.9	1.165	3.063	70.972	20.821	3.475	0.140	0.305	0.022	0.023	0.013	0.000	0.000	0.000	0.000	1407.94	
10	0.7295	1172.1	1192.9	1191.4	1.365	3.671	69.419	21.570	3.593	0.117	0.225	0.014	0.012	0.014	0.000	0.000	0.000	0.000	1396.61	
11	0.7245	1174.3	1195.1	1194.2	1.246	3.245	70.359	21.259	3.460	0.126	0.260	0.017	0.017	0.011	0.000	0.000	0.000	0.000	1404.11	
12	0.7186	1169.1	1189.8	1188.7	1.183	3.108	71.166	21.031	3.059	0.129	0.272	0.020	0.020	0.011	0.000	0.000	0.000	0.000	1403.52	
13	0.7200	1169.3	1190.0	1188.8	1.220	3.174	70.919	21.150	3.093	0.128	0.267	0.019	0.019	0.012	0.000	0.000	0.000	0.000	1402.38	
14	0.7197	1169.8	1190.5	1189.4	1.206	3.129	71.107	20.932	3.153	0.134	0.284	0.021	0.022	0.012	0.000	0.000	0.000	0.000	1403.35	
15	0.7156	1161.8	1182.4	1181.6	1.214	3.217	71.455	20.725	2.947	0.127	0.269	0.019	0.019	0.009	0.000	0.000	0.000	0.000	1397.72	
16	0.7185	1168.6	1189.3	1188.4	1.194	3.113	71.112	21.139	3.001	0.126	0.268	0.019	0.019	0.009	0.000	0.000	0.000	0.000	1403.01	
17	0.7202	1167.6	1188.2	1187.4	1.254	3.239	70.735	21.394	2.949	0.124	0.260	0.018	0.018	0.010	0.000	0.000	0.000	0.000	1400.21	
18	0.7185	1165.1	1185.7	1184.7	1.248	3.243	70.923	21.198	2.957	0.124	0.260	0.019	0.018	0.010	0.000	0.000	0.000	0.000	1398.79	
19	0.7177	1164.6	1185.3	1184.4	1.234	3.216	71.337	20.750	3.010	0.130	0.274	0.020	0.019	0.010	0.000	0.000	0.000	0.000	1399.09	
20	0.7210	1159.9	1180.4	1179.4	1.363	3.618	70.467	21.285	2.874	0.118	0.234	0.016	0.014	0.011	0.000	0.000	0.000	0.000	1390.24	
21	0.7199	1156.3	1176.8	1175.6	1.394	3.695	70.431	21.328	2.785	0.112	0.218	0.014	0.012	0.011	0.000	0.000	0.000	0.000	1386.88	
22	0.7212	1158.9	1179.5	1178.5	1.371	3.604	70.354	21.467	2.821	0.115	0.229	0.015	0.013	0.011	0.000	0.000	0.000	0.000	1388.85	
23	0.7207	1168.7	1189.4	1188.5	1.230	3.258	70.866	20.922	3.232	0.140	0.298	0.022	0.022	0.011	0.000	0.000	0.000	0.000	1401.01	
24	0.7193	1167.5	1188.2	1187.1	1.225	3.204	71.147	20.748	3.185	0.138	0.298	0.021	0.021	0.012	0.000	0.000	0.000	0.000	1400.92	
25	0.7181	1164.3	1184.9	1183.7	1.231	3.275	71.305	20.693	3.030	0.131	0.281	0.020	0.020	0.014	0.000	0.000	0.000	0.000	1398.32	
26	0.7207	1161.9	1182.5	1181.2	1.319	3.537	70.742	20.925	3.049	0.126	0.258	0.017	0.016	0.012	0.000	0.000	0.000	0.000	1392.88	
27	0.7224	1165.1	1185.7	1184.5	1.331	3.485	70.297	21.519	2.955	0.122	0.249	0.017	0.016	0.011	0.000	0.000	0.000	0.000	1395.06	
28	0.7199	1165.1	1185.8	1184.7	1.266	3.341	70.747	21.253	2.963	0.124	0.258	0.019	0.018	0.011	0.000	0.000	0.000	0.000	1397.58	
29	0.7194	1169.0	1189.7	1188.6	1.200	3.171	70.982	21.011	3.148	0.138	0.295	0.022	0.022	0.011	0.000	0.000	0.000	0.000	1402.60	
30	0.7158	1167.7	1188.4	1187.3	1.099	3.044	71.849	20.246	3.256	0.142	0.307	0.023	0.024	0.011	0.000	0.000	0.000	0.000	1404.63	
31	0.7217	1172.7	1193.4	1192.4	1.191	3.173	70.847	20.976	3.322	0.140	0.298	0.021	0.021	0.011	0.000	0.000	0.000	0.000	1404.77	
Avg	0.7195	1166.0	1186.3	1185.2	1.240	3.311	70.976	20.939	3.092	0.127	0.266	0.019	0.018	0.011	0.000	0.000	0.000	0.000	1398.57	

Source Daily Summary

July 2025

Source #: 571
Name: WILLISTON BDR-CHARBN STN

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.7040	1155.6	1176.0	1175.3	0.995	2.841	73.903	18.866	2.925	0.130	0.292	0.021	0.024	0.003	0.000	0.000	0.000	0.000	1401.60	
2	0.7042	1156.1	1176.6	1175.9	0.969	2.866	74.089	18.487	3.059	0.144	0.330	0.025	0.029	0.003	0.000	0.000	0.000	0.000	1402.06	
3	0.7056	1159.1	1179.6	1178.9	0.978	2.794	73.933	18.633	3.112	0.149	0.342	0.026	0.030	0.003	0.000	0.000	0.000	0.000	1404.35	
4	0.7026	1153.4	1173.9	1173.2	0.980	2.863	74.238	18.475	2.949	0.136	0.309	0.022	0.025	0.003	0.000	0.000	0.000	0.000	1400.40	
5	0.7015	1151.8	1172.2	1171.6	0.963	2.876	74.433	18.296	2.949	0.133	0.301	0.021	0.024	0.003	0.000	0.000	0.000	0.000	1399.64	
6	0.7010	1150.8	1171.2	1170.6	0.967	2.883	74.528	18.201	2.942	0.133	0.299	0.021	0.024	0.002	0.000	0.000	0.000	0.000	1398.92	
7	0.7086	1165.1	1185.8	1185.1	1.005	2.671	73.129	19.679	3.042	0.132	0.295	0.021	0.023	0.002	0.000	0.000	0.000	0.000	1408.66	
8	0.7127	1172.7	1193.4	1192.7	1.034	2.556	72.394	20.443	3.097	0.132	0.296	0.021	0.024	0.002	0.000	0.000	0.000	0.000	1413.67	
9	0.7175	1179.2	1200.1	1199.1	1.045	2.588	71.803	20.686	3.336	0.148	0.337	0.025	0.029	0.003	0.000	0.000	0.000	0.000	1416.79	
10	0.7178	1179.7	1200.6	1199.4	1.057	2.568	71.998	20.282	3.531	0.157	0.351	0.025	0.029	0.003	0.000	0.000	0.000	0.000	1417.08	
11	0.7128	1174.5	1195.3	1194.7	1.047	2.435	72.245	20.813	3.026	0.123	0.268	0.019	0.021	0.002	0.000	0.000	0.000	0.000	1415.77	
12	0.7156	1178.6	1199.4	1198.7	1.054	2.439	71.917	20.950	3.160	0.134	0.297	0.022	0.025	0.003	0.000	0.000	0.000	0.000	1417.89	
13	0.7169	1181.0	1201.9	1201.1	1.049	2.423	71.813	20.921	3.295	0.140	0.309	0.022	0.025	0.003	0.000	0.000	0.000	0.000	1419.49	
14	0.7154	1177.8	1198.6	1197.9	1.053	2.466	72.063	20.704	3.203	0.140	0.312	0.025	0.029	0.004	0.000	0.000	0.000	0.000	1417.17	
15	0.7149	1175.3	1196.1	1195.4	1.071	2.547	72.007	20.763	3.152	0.130	0.286	0.020	0.022	0.003	0.000	0.000	0.000	0.000	1414.63	
16	0.7129	1173.5	1194.3	1193.7	1.073	2.463	72.309	20.652	3.053	0.126	0.280	0.020	0.022	0.003	0.000	0.000	0.000	0.000	1414.51	
17	0.7118	1173.1	1193.9	1193.2	1.059	2.405	72.561	20.468	3.041	0.130	0.288	0.021	0.024	0.003	0.000	0.000	0.000	0.000	1415.10	
18	0.7132	1174.7	1195.5	1194.8	1.056	2.441	72.501	20.299	3.199	0.140	0.312	0.023	0.026	0.003	0.000	0.000	0.000	0.000	1415.63	
19	0.7128	1173.9	1194.7	1194.0	1.056	2.461	72.562	20.221	3.195	0.141	0.311	0.024	0.027	0.003	0.000	0.000	0.000	0.000	1415.00	
20	0.7124	1173.7	1194.4	1193.7	1.050	2.444	72.884	19.745	3.313	0.155	0.350	0.026	0.030	0.003	0.000	0.000	0.000	0.000	1415.12	
21	0.7115	1172.5	1193.3	1192.5	1.059	2.416	72.841	19.981	3.202	0.140	0.310	0.023	0.026	0.002	0.000	0.000	0.000	0.000	1414.62	
22	0.7182	1180.3	1201.2	1200.4	1.076	2.545	71.969	20.270	3.579	0.158	0.347	0.026	0.028	0.003	0.000	0.000	0.000	0.000	1417.32	
23	0.7215	1184.1	1205.1	1204.3	1.076	2.616	71.564	20.363	3.788	0.166	0.368	0.026	0.029	0.003	0.000	0.000	0.000	0.000	1418.72	
24	0.7124	1173.7	1194.5	1193.8	1.055	2.428	72.887	19.748	3.333	0.152	0.340	0.025	0.029	0.003	0.000	0.000	0.000	0.000	1415.25	
25	0.7113	1171.4	1192.2	1191.4	1.053	2.468	73.105	19.513	3.297	0.154	0.350	0.027	0.030	0.003	0.000	0.000	0.000	0.000	1413.55	
26	0.7190	1180.6	1201.6	1200.5	1.064	2.610	72.260	19.565	3.839	0.181	0.411	0.031	0.035	0.004	0.000	0.000	0.000	0.000	1417.02	
27	0.7167	1178.6	1199.5	1198.6	1.062	2.526	72.294	19.969	3.569	0.161	0.360	0.027	0.030	0.003	0.000	0.000	0.000	0.000	1416.82	
28	0.7159	1177.1	1198.0	1197.2	1.066	2.530	72.308	20.081	3.464	0.153	0.342	0.025	0.028	0.003	0.000	0.000	0.000	0.000	1415.87	
29	0.7164	1177.8	1198.6	1197.9	1.068	2.541	72.260	20.059	3.510	0.156	0.350	0.025	0.028	0.003	0.000	0.000	0.000	0.000	1416.09	
30	0.7176	1179.6	1200.5	1199.7	1.069	2.535	72.054	20.246	3.535	0.156	0.349	0.025	0.028	0.003	0.000	0.000	0.000	0.000	1417.17	
31	0.7181	1179.5	1200.4	1199.7	1.065	2.591	72.104	20.016	3.633	0.164	0.369	0.026	0.030	0.003	0.000	0.000	0.000	0.000	1416.62	
Avg	0.7127	1172.0	1192.8	1192.1	1.041	2.575	72.676	19.916	3.269	0.145	0.325	0.024	0.027	0.003	0.000	0.000	0.000	0.000	1412.98	

Gas Composition and Properties

Effective July 1, 2025

Attachment B
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Source #: 0602160
Name: FAIRVIEW BORDER

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide, CO2	1.0757		2.2953
Nitrogen, N2	2.6182		3.5560
Methane, C1	72.5768		56.4500
Ethane, C2	19.8070	5.3010	28.8757
Propane, C3	3.3494	0.9234	7.1607
iso-Butane, iC4	0.1541	0.0505	0.4342
n-Butane, nC4	0.3527	0.1113	0.9939
iso-Pentane, iC5	0.0294	0.0108	0.1028
n-Pentane, nC5	0.0323	0.0117	0.1130
Neo-Pentane, neo			
Hexanes Plus, C6+	0.0044	0.0018	0.0184
Argon, Ar			
Carbon Monoxide, CO			
Hydrogen, H2			
Oxygen, O2			
Helium, He			
Water, H2O			
Hydrogen Sulfide, H2S			
Totals	100.0000	6.4100	100.0000

Property	Total Sample	C6 Plus Fraction
Pressure Base	14.730	
Temperature Base	60.00	
HCDP @ Sample Pressure	-7.676	
Cricondentherm	2.664	
HV, Dry @ Base P, T	1193.67	
HV, Sat @ Base P, T	1172.90	
HV, Sat @ Sample P, T	1193.67	
Relative Density	0.7142	
C6+: 100		

Sample

Date: 07/01/2025 Type:

Tech: Tipton, Joshua

Pressure: 465 psi Temp.: °F

Gauge: Gauge H2O:

Atm. Pressure: H2S:

Remarks:

Analysis

Date: 07/01/2025 Instrument:

Tech: Tipton, Joshua Cylinder: 300

Remarks:

Source Daily Summary

July 2025

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

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.7386	1165.1	1185.7	1185.3	0.925	5.614	68.761	19.083	4.952	0.179	0.418	0.028	0.032	0.007	0.000	0.000	0.000	0.000	1379.57	12.17
2	0.7510	1181.6	1202.6	1202.2	0.988	5.666	67.004	20.134	5.443	0.203	0.479	0.034	0.039	0.010	0.000	0.000	0.000	0.000	1387.68	19.19
3	0.7702	1182.3	1203.2	1202.8	1.077	6.272	63.554	22.290	6.025	0.205	0.492	0.034	0.040	0.010	0.000	0.000	0.000	0.000	1373.42	24.34
4	0.7501	1181.2	1202.1	1201.7	0.993	5.602	67.110	20.166	5.380	0.195	0.471	0.034	0.040	0.010	0.000	0.000	0.000	0.000	1387.99	18.73
5	0.7517	1185.8	1206.8	1206.4	0.997	5.465	66.813	20.560	5.441	0.190	0.456	0.031	0.037	0.010	0.000	0.000	0.000	0.000	1391.95	19.07
6	0.7516	1185.4	1206.4	1206.0	0.996	5.484	66.819	20.515	5.478	0.186	0.448	0.030	0.035	0.008	0.000	0.000	0.000	0.000	1391.53	18.74
7	0.7141	1133.2	1153.3	1152.8	0.774	5.484	72.613	16.385	4.227	0.136	0.329	0.021	0.024	0.005	0.000	0.000	0.000	0.000	1364.56	-3.22
8	0.7052	1156.9	1177.4	1177.0	1.005	2.820	72.323	21.538	2.092	0.061	0.139	0.009	0.011	0.001	0.000	0.000	0.000	0.000	1402.19	-11.64
9	0.7133	1161.9	1182.5	1182.0	1.020	3.158	71.287	21.652	2.582	0.081	0.190	0.013	0.015	0.002	0.000	0.000	0.000	0.000	1400.27	-6.47
10	0.7088	1158.6	1179.1	1178.7	1.027	2.874	72.072	21.328	2.406	0.080	0.182	0.013	0.016	0.003	0.000	0.000	0.000	0.000	1400.72	-8.29
11	0.7294	1170.9	1191.6	1191.2	1.008	4.268	69.448	20.970	3.820	0.130	0.303	0.022	0.025	0.006	0.000	0.000	0.000	0.000	1395.62	4.44
12	0.7278	1168.6	1189.3	1188.8	1.000	4.187	69.573	21.094	3.696	0.121	0.281	0.020	0.023	0.006	0.000	0.000	0.000	0.000	1394.42	2.92
13	0.7016	1152.0	1172.4	1172.0	1.033	2.539	72.914	21.412	1.889	0.059	0.131	0.010	0.011	0.002	0.000	0.000	0.000	0.000	1399.84	-13.30
14	0.7110	1160.5	1181.0	1180.5	1.025	3.091	71.728	21.321	2.520	0.085	0.197	0.014	0.016	0.004	0.000	0.000	0.000	0.000	1400.77	-6.94
15	0.7083	1160.3	1180.9	1180.4	1.018	2.931	72.191	21.113	2.450	0.081	0.185	0.013	0.015	0.003	0.000	0.000	0.000	0.000	1403.20	-8.24
16	0.7519	1176.6	1197.4	1197.0	1.053	5.313	66.071	22.035	4.947	0.155	0.368	0.025	0.028	0.006	0.000	0.000	0.000	0.000	1382.68	13.82
17	0.7761	1186.7	1207.7	1207.3	1.004	5.504	66.637	20.857	5.310	0.181	0.436	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1373.74	18.05
18	0.8256	1189.0	1210.1	1209.6	1.002	5.546	66.626	20.786	5.352	0.181	0.434	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1339.99	18.17
19	0.8792	1186.0	1207.0	1206.6	1.002	5.546	66.626	20.786	5.352	0.181	0.434	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1300.65	18.17
20	0.8959	1185.2	1206.1	1205.7	1.002	5.546	66.626	20.786	5.352	0.181	0.434	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1288.37	18.17
21	0.8271	1183.5	1204.5	1204.0	1.002	5.546	66.626	20.786	5.352	0.181	0.434	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1332.31	18.17
22	0.7111	1156.5	1176.9	1176.5	1.022	3.319	72.341	19.942	2.994	0.102	0.236	0.018	0.021	0.005	0.000	0.000	0.000	0.000	1396.18	-5.34
23	0.6910	1145.4	1165.7	1165.3	1.032	2.185	75.208	19.429	1.907	0.067	0.143	0.012	0.014	0.003	0.000	0.000	0.000	0.000	1402.36	-16.37
24	0.7404	1177.6	1198.4	1198.0	1.000	4.908	68.302	20.401	4.779	0.160	0.384	0.027	0.031	0.007	0.000	0.000	0.000	0.000	1393.04	11.99
25	0.7523	1186.2	1207.3	1206.7	1.000	5.488	66.731	20.603	5.429	0.194	0.473	0.033	0.038	0.010	0.000	0.000	0.000	0.000	1391.90	19.48
26	0.7016	1153.7	1174.2	1173.7	1.010	2.706	73.706	19.769	2.476	0.090	0.205	0.016	0.019	0.004	0.000	0.000	0.000	0.000	1402.05	-9.88
27	0.6908	1145.8	1166.1	1165.6	1.008	2.189	75.013	19.819	1.751	0.061	0.133	0.011	0.013	0.002	0.000	0.000	0.000	0.000	1402.95	-17.36
28	0.6955	1149.7	1170.1	1169.6	0.996	2.405	74.188	20.279	1.903	0.064	0.141	0.011	0.013	0.002	0.000	0.000	0.000	0.000	1403.10	-15.15
29	0.6930	1149.1	1169.4	1169.0	0.990	2.218	74.557	20.251	1.770	0.060	0.130	0.010	0.012	0.002	0.000	0.000	0.000	0.000	1404.80	-16.57
30	0.6937	1149.7	1170.0	1169.6	1.003	2.226	74.499	20.231	1.819	0.062	0.136	0.011	0.012	0.002	0.000	0.000	0.000	0.000	1404.83	-15.96
31	0.6941	1150.6	1171.0	1170.5	0.992	2.227	74.417	20.305	1.831	0.064	0.138	0.011	0.012	0.002	0.000	0.000	0.000	0.000	1405.53	-15.63
Avg	0.7404	1167.0	1187.6	1187.2	1.000	4.140	70.077	20.536	3.765	0.128	0.302	0.021	0.025	0.006	0.000	0.000	0.000	0.000	1383.81	2.75

Source Daily Summary

July 2025

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

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.7672	1179.4	1200.3	1199.5	1.036	6.511	64.179	21.517	5.981	0.207	0.490	0.033	0.037	0.008	0.000	0.000	0.000	0.000	1371.35	
2	0.7876	1183.6	1204.6	1203.7	1.122	6.974	60.970	23.413	6.613	0.246	0.568	0.039	0.044	0.011	0.000	0.000	0.000	0.000	1360.75	
3	0.8527	1183.0	1203.9	1203.0	1.435	8.835	50.141	29.953	8.521	0.294	0.704	0.048	0.056	0.013	0.000	0.000	0.000	0.000	1316.72	
4	0.7599	1183.7	1204.7	1203.9	0.994	6.151	65.554	20.644	5.897	0.199	0.481	0.033	0.038	0.009	0.000	0.000	0.000	0.000	1382.20	
5	0.7563	1184.7	1205.7	1205.1	0.979	5.993	66.008	20.578	5.749	0.182	0.440	0.029	0.033	0.008	0.000	0.000	0.000	0.000	1386.39	
6	0.7594	1181.3	1202.2	1201.6	1.003	6.177	65.351	21.022	5.780	0.177	0.424	0.027	0.031	0.007	0.000	0.000	0.000	0.000	1380.00	
7	0.7442	1169.7	1190.4	1189.8	0.938	5.833	67.820	19.534	5.250	0.165	0.399	0.026	0.029	0.006	0.000	0.000	0.000	0.000	1379.91	
8	0.7814	1182.3	1203.2	1202.5	0.994	5.913	66.551	20.406	5.503	0.168	0.405	0.026	0.029	0.006	0.000	0.000	0.000	0.000	1364.45	
9	0.8033	1185.2	1206.2	1205.2	0.994	5.913	66.551	20.406	5.503	0.168	0.405	0.026	0.029	0.006	0.000	0.000	0.000	0.000	1350.15	
10	0.9130	1182.6	1203.6	1202.6	0.994	5.913	66.551	20.406	5.503	0.168	0.405	0.026	0.029	0.006	0.000	0.000	0.000	0.000	1275.32	
11	0.7533	1182.4	1203.3	1202.8	0.994	5.913	66.551	20.406	5.503	0.168	0.405	0.026	0.029	0.006	0.000	0.000	0.000	0.000	1386.40	
12	0.8150	1182.2	1203.2	1202.4	0.994	5.913	66.551	20.406	5.503	0.168	0.405	0.026	0.029	0.006	0.000	0.000	0.000	0.000	1340.79	
13	0.8996	1186.1	1207.1	1206.3	0.994	5.913	66.551	20.406	5.503	0.168	0.405	0.026	0.029	0.006	0.000	0.000	0.000	0.000	1284.03	
14	0.8099	1187.8	1208.8	1208.1	0.994	5.913	66.551	20.406	5.503	0.168	0.405	0.026	0.029	0.006	0.000	0.000	0.000	0.000	1350.49	
15	0.7584	1188.5	1209.5	1209.1	0.994	5.913	66.551	20.406	5.503	0.168	0.405	0.026	0.029	0.006	0.000	0.000	0.000	0.000	1388.94	
16	0.7611	1180.3	1201.2	1200.7	0.994	5.913	66.551	20.406	5.503	0.168	0.405	0.026	0.029	0.006	0.000	0.000	0.000	0.000	1377.29	
17	0.7971	1185.2	1206.2	1205.7	0.984	5.940	65.660	20.829	5.892	0.182	0.442	0.030	0.033	0.008	0.000	0.000	0.000	0.000	1354.77	
18	0.8767	1187.1	1208.2	1207.6	0.982	5.937	65.508	20.893	5.972	0.185	0.451	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1299.90	
19	0.8890	1185.3	1206.3	1205.7	0.982	5.937	65.508	20.893	5.972	0.185	0.451	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1290.83	
20	0.8828	1186.3	1207.4	1206.7	0.982	5.937	65.508	20.893	5.972	0.185	0.451	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1294.51	
21	0.8502	1187.6	1208.6	1207.9	0.982	5.937	65.508	20.893	5.972	0.185	0.451	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1318.91	
22	0.7563	1184.9	1205.9	1205.3	0.991	5.960	66.002	20.617	5.730	0.184	0.443	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1386.69	
23	0.7571	1186.6	1207.6	1207.0	0.989	5.934	65.851	20.794	5.748	0.179	0.434	0.029	0.033	0.008	0.000	0.000	0.000	0.000	1387.88	
24	0.7581	1188.0	1209.1	1208.4	0.982	5.945	65.726	20.855	5.794	0.182	0.442	0.030	0.035	0.009	0.000	0.000	0.000	0.000	1388.68	
25	0.7575	1187.5	1208.5	1207.7	0.987	5.923	65.855	20.740	5.785	0.184	0.451	0.031	0.035	0.009	0.000	0.000	0.000	0.000	1388.55	
26	0.7578	1186.9	1207.9	1207.1	0.982	5.992	65.853	20.630	5.819	0.188	0.460	0.032	0.036	0.009	0.000	0.000	0.000	0.000	1387.62	
27	0.7592	1189.0	1210.0	1209.3	0.977	6.009	65.815	20.469	5.936	0.204	0.504	0.035	0.040	0.011	0.000	0.000	0.000	0.000	1388.70	
28	0.7558	1182.7	1203.6	1203.0	0.978	6.061	66.112	20.441	5.693	0.186	0.456	0.030	0.035	0.009	0.000	0.000	0.000	0.000	1384.51	
29	0.7579	1187.4	1208.4	1207.8	0.985	5.965	65.794	20.745	5.797	0.185	0.457	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1388.12	
30	0.7602	1191.8	1212.9	1212.3	0.987	5.916	65.537	20.883	5.926	0.191	0.479	0.033	0.039	0.010	0.000	0.000	0.000	0.000	1391.09	
31	0.7584	1188.6	1209.6	1209.0	0.985	5.938	65.735	20.805	5.821	0.185	0.456	0.031	0.035	0.009	0.000	0.000	0.000	0.000	1389.01	
Avg	0.7934	1185.0	1205.7	1205.1	1.007	6.097	65.321	21.022	5.843	0.186	0.451	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1359.19	

Source Daily Summary

July 2025

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

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	1182.9	1203.9	1203.4	0.990	6.201	65.918	20.319	5.816	0.206	0.479	0.032	0.036	0.004	0.000	0.000	0.000	0.000	1383.17	
2	0.7579	1184.0	1205.0	1204.5	0.995	6.155	65.908	20.362	5.796	0.215	0.494	0.033	0.038	0.004	0.000	0.000	0.000	0.000	1384.17	
3	0.7576	1184.1	1205.1	1204.5	0.994	6.126	66.011	20.242	5.852	0.207	0.493	0.034	0.039	0.004	0.000	0.000	0.000	0.000	1384.50	
4	0.7576	1184.5	1205.5	1205.0	0.988	6.116	65.980	20.286	5.872	0.200	0.482	0.033	0.038	0.005	0.000	0.000	0.000	0.000	1384.93	
5	0.7574	1184.8	1205.8	1205.3	0.989	6.075	65.845	20.591	5.801	0.185	0.443	0.030	0.034	0.007	0.000	0.000	0.000	0.000	1385.50	
6	0.7558	1181.6	1202.6	1202.1	0.989	6.113	66.013	20.500	5.724	0.177	0.421	0.027	0.031	0.005	0.000	0.000	0.000	0.000	1383.31	
7	0.7551	1180.6	1201.5	1201.0	1.002	6.097	66.091	20.475	5.685	0.175	0.416	0.026	0.029	0.004	0.000	0.000	0.000	0.000	1382.69	
8	0.7551	1180.4	1201.3	1200.7	1.005	6.103	66.090	20.474	5.680	0.175	0.415	0.026	0.029	0.003	0.000	0.000	0.000	0.000	1382.45	
9	0.7580	1185.8	1206.8	1206.2	1.005	6.045	65.764	20.651	5.841	0.185	0.445	0.029	0.033	0.002	0.000	0.000	0.000	0.000	1386.14	
10	0.7585	1188.0	1209.1	1208.5	1.002	5.955	65.910	20.451	5.917	0.202	0.487	0.034	0.038	0.004	0.000	0.000	0.000	0.000	1388.32	
11	0.7557	1181.4	1202.3	1201.8	0.994	6.112	66.204	20.208	5.761	0.193	0.456	0.031	0.035	0.006	0.000	0.000	0.000	0.000	1383.06	
12	0.7555	1181.3	1202.2	1201.7	0.998	6.095	66.029	20.532	5.695	0.175	0.415	0.027	0.030	0.004	0.000	0.000	0.000	0.000	1383.15	
13	0.7603	1190.3	1211.4	1210.8	1.006	5.987	65.480	20.853	5.951	0.191	0.461	0.031	0.035	0.005	0.000	0.000	0.000	0.000	1389.25	
14	0.7592	1188.3	1209.4	1208.8	1.005	6.008	65.612	20.771	5.890	0.188	0.454	0.031	0.036	0.005	0.000	0.000	0.000	0.000	1387.94	
15	0.7572	1184.1	1205.1	1204.5	1.007	6.067	65.836	20.647	5.761	0.180	0.432	0.029	0.033	0.007	0.000	0.000	0.000	0.000	1384.90	
16	0.7564	1183.0	1203.9	1203.4	1.006	6.067	65.930	20.587	5.753	0.176	0.419	0.027	0.030	0.006	0.000	0.000	0.000	0.000	1384.28	
17	0.7583	1186.6	1207.6	1207.1	1.004	6.029	65.708	20.711	5.860	0.182	0.439	0.029	0.033	0.006	0.000	0.000	0.000	0.000	1386.77	
18	0.7573	1184.8	1205.7	1205.2	1.008	6.037	65.848	20.637	5.788	0.179	0.434	0.029	0.034	0.006	0.000	0.000	0.000	0.000	1385.57	
19	0.7571	1184.4	1205.4	1204.9	1.004	6.047	65.841	20.661	5.773	0.179	0.430	0.028	0.031	0.005	0.000	0.000	0.000	0.000	1385.32	
20	0.7581	1185.5	1206.5	1206.0	1.007	6.071	65.735	20.661	5.835	0.183	0.442	0.030	0.033	0.004	0.000	0.000	0.000	0.000	1385.65	
21	0.7576	1184.3	1205.3	1204.8	1.006	6.096	65.758	20.669	5.795	0.180	0.432	0.029	0.032	0.003	0.000	0.000	0.000	0.000	1384.76	
22	0.7571	1183.7	1204.7	1204.2	1.010	6.080	65.925	20.479	5.804	0.187	0.447	0.030	0.034	0.004	0.000	0.000	0.000	0.000	1384.52	
23	0.7568	1183.7	1204.6	1204.1	1.012	6.057	65.917	20.569	5.753	0.184	0.441	0.030	0.034	0.004	0.000	0.000	0.000	0.000	1384.68	
24	0.7587	1187.2	1208.2	1207.7	1.008	6.023	65.631	20.795	5.848	0.184	0.443	0.030	0.034	0.004	0.000	0.000	0.000	0.000	1387.11	
25	0.7576	1184.7	1205.7	1205.2	1.002	6.078	65.821	20.591	5.805	0.186	0.448	0.031	0.035	0.004	0.000	0.000	0.000	0.000	1385.25	
26	0.7594	1188.3	1209.3	1208.8	1.014	6.009	65.585	20.791	5.886	0.189	0.455	0.031	0.035	0.003	0.000	0.000	0.000	0.000	1387.77	
27	0.7591	1186.4	1207.4	1206.9	1.002	6.116	65.701	20.530	5.905	0.197	0.476	0.033	0.037	0.004	0.000	0.000	0.000	0.000	1385.83	
28	0.7590	1186.8	1207.8	1207.3	0.991	6.097	65.832	20.374	5.913	0.207	0.503	0.035	0.040	0.007	0.000	0.000	0.000	0.000	1386.34	
29	0.7560	1181.0	1201.9	1201.4	0.996	6.170	66.062	20.336	5.727	0.188	0.450	0.030	0.035	0.006	0.000	0.000	0.000	0.000	1382.25	
30	0.7599	1189.1	1210.1	1209.6	1.005	6.024	65.550	20.767	5.921	0.193	0.467	0.032	0.035	0.006	0.000	0.000	0.000	0.000	1388.19	
31	0.7595	1188.2	1209.2	1208.7	1.008	6.034	65.619	20.718	5.880	0.192	0.470	0.033	0.039	0.008	0.000	0.000	0.000	0.000	1387.57	
Avg	0.7576	1185.0	1205.8	1205.3	1.002	6.074	65.844	20.556	5.816	0.188	0.451	0.030	0.034	0.005	0.000	0.000	0.000	0.000	1385.33	

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		
Totals	100.0000	4.6490	100.0000			

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

July 2025

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

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.7295	1167.7	1188.4	1188.0	1.045	4.415	69.452	20.820	3.741	0.138	0.328	0.024	0.029	0.007	0.000	0.000	0.000	0.000	1391.45	
2	0.7291	1166.5	1187.2	1186.8	1.018	4.492	70.160	19.495	4.208	0.166	0.391	0.028	0.034	0.008	0.000	0.000	0.000	0.000	1390.32	
3	0.7314	1171.5	1192.2	1191.8	1.025	4.394	69.668	20.116	4.189	0.157	0.376	0.029	0.036	0.010	0.000	0.000	0.000	0.000	1394.08	
4	0.7285	1166.4	1187.0	1186.6	1.036	4.419	70.245	19.560	4.086	0.171	0.406	0.030	0.037	0.010	0.000	0.000	0.000	0.000	1390.71	
5	0.7373	1181.0	1201.9	1201.4	1.034	4.351	69.210	20.107	4.490	0.205	0.498	0.040	0.050	0.014	0.000	0.000	0.000	0.000	1399.73	
6	0.7386	1182.4	1203.3	1202.9	1.036	4.383	68.923	20.317	4.583	0.197	0.472	0.035	0.042	0.012	0.000	0.000	0.000	0.000	1400.19	
7	0.7413	1188.9	1209.9	1209.5	1.028	4.250	68.878	20.155	4.872	0.208	0.513	0.038	0.046	0.012	0.000	0.000	0.000	0.000	1405.28	
8	0.7381	1185.8	1206.8	1206.4	1.031	4.133	69.172	20.243	4.636	0.200	0.492	0.037	0.045	0.012	0.000	0.000	0.000	0.000	1404.75	
9	0.7414	1189.1	1210.1	1209.6	1.037	4.242	68.407	20.991	4.523	0.199	0.498	0.040	0.050	0.013	0.000	0.000	0.000	0.000	1405.39	
10	0.7357	1182.3	1203.3	1202.8	1.040	4.104	69.131	20.799	4.212	0.183	0.442	0.035	0.043	0.012	0.000	0.000	0.000	0.000	1402.90	
11	0.7378	1182.6	1203.6	1203.1	1.037	4.301	68.738	20.924	4.255	0.190	0.462	0.036	0.044	0.012	0.000	0.000	0.000	0.000	1401.17	
12	0.7403	1183.8	1204.8	1204.3	1.036	4.461	68.316	21.061	4.386	0.191	0.463	0.034	0.041	0.010	0.000	0.000	0.000	0.000	1400.26	
13	0.7383	1185.0	1206.0	1205.5	1.040	4.193	68.608	21.258	4.120	0.196	0.493	0.038	0.046	0.011	0.000	0.000	0.000	0.000	1403.58	
14	0.7344	1179.7	1200.6	1200.1	1.058	4.122	69.320	20.684	4.054	0.191	0.479	0.036	0.044	0.011	0.000	0.000	0.000	0.000	1401.00	
15	0.7358	1181.0	1201.9	1201.4	1.048	4.195	69.007	20.881	4.154	0.182	0.447	0.034	0.041	0.011	0.000	0.000	0.000	0.000	1401.15	
16	0.7342	1179.6	1200.5	1200.0	1.059	4.111	68.811	21.587	3.821	0.161	0.383	0.027	0.032	0.008	0.000	0.000	0.000	0.000	1401.09	
17	0.7388	1185.9	1206.9	1206.4	1.054	4.173	68.430	21.439	4.183	0.188	0.453	0.032	0.038	0.009	0.000	0.000	0.000	0.000	1404.07	
18	0.7465	1195.5	1216.6	1216.2	1.065	4.174	67.580	21.696	4.660	0.214	0.519	0.037	0.044	0.010	0.000	0.000	0.000	0.000	1408.17	
19	0.7462	1189.2	1210.2	1209.7	1.075	4.405	67.522	21.646	4.505	0.214	0.536	0.040	0.047	0.010	0.000	0.000	0.000	0.000	1401.13	
20	0.7486	1195.5	1216.7	1216.2	1.068	4.301	67.320	21.678	4.790	0.214	0.534	0.039	0.046	0.011	0.000	0.000	0.000	0.000	1406.36	
21	0.7438	1190.1	1211.2	1210.7	1.067	4.236	68.003	21.340	4.522	0.211	0.525	0.039	0.046	0.011	0.000	0.000	0.000	0.000	1404.41	
22	0.7410	1191.1	1212.2	1211.7	1.065	4.041	68.390	21.347	4.333	0.210	0.519	0.039	0.046	0.011	0.000	0.000	0.000	0.000	1408.16	
23	0.7364	1184.3	1205.2	1204.7	1.067	4.023	68.996	21.041	4.102	0.196	0.482	0.037	0.044	0.011	0.000	0.000	0.000	0.000	1404.44	
24	0.7396	1188.0	1209.0	1208.5	1.067	4.097	68.510	21.283	4.263	0.200	0.491	0.036	0.043	0.011	0.000	0.000	0.000	0.000	1405.81	
25	0.7383	1185.8	1206.7	1206.2	1.058	4.122	68.895	20.795	4.315	0.205	0.512	0.039	0.047	0.012	0.000	0.000	0.000	0.000	1404.42	
26	0.7377	1184.9	1205.9	1205.3	1.050	4.124	69.080	20.578	4.336	0.209	0.519	0.041	0.049	0.013	0.000	0.000	0.000	0.000	1404.01	
27	0.7375	1180.7	1201.6	1201.1	1.059	4.349	68.902	20.676	4.217	0.200	0.499	0.038	0.046	0.012	0.000	0.000	0.000	0.000	1399.21	
28	0.7355	1181.2	1202.1	1201.6	1.057	4.136	69.237	20.634	4.154	0.195	0.490	0.038	0.046	0.012	0.000	0.000	0.000	0.000	1401.72	
29	0.7328	1179.0	1199.9	1199.4	1.049	4.030	69.567	20.618	3.987	0.188	0.470	0.036	0.044	0.012	0.000	0.000	0.000	0.000	1401.64	
30	0.7341	1179.5	1200.3	1199.8	1.064	4.105	69.352	20.701	4.015	0.188	0.473	0.038	0.048	0.014	0.000	0.000	0.000	0.000	1400.93	
31	0.7339	1179.5	1200.4	1199.9	1.063	4.086	69.283	20.846	4.004	0.184	0.448	0.034	0.041	0.011	0.000	0.000	0.000	0.000	1401.18	
Avg	0.7375	1183.0	1203.6	1203.2	1.050	4.225	68.875	20.817	4.281	0.192	0.471	0.036	0.043	0.011	0.000	0.000	0.000	0.000	1401.57	

Source Daily Summary

July 2025

Source #: 043
Name: BISMARCK STN-CLEVELAND STN

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.7560	1184.5	1205.5	1204.3	0.932	6.050	66.273	20.108	5.868	0.203	0.492	0.031	0.034	0.009	0.000	0.000	0.000	0.000	1386.43	
2	0.7559	1184.8	1205.8	1204.7	0.937	6.016	66.342	20.080	5.814	0.218	0.514	0.033	0.036	0.010	0.000	0.000	0.000	0.000	1386.83	
3	0.7558	1185.1	1206.1	1205.0	0.938	5.977	66.432	19.972	5.882	0.208	0.510	0.033	0.037	0.011	0.000	0.000	0.000	0.000	1387.39	
4	0.7560	1185.6	1206.6	1205.6	0.938	5.975	66.339	20.082	5.887	0.201	0.501	0.033	0.036	0.010	0.000	0.000	0.000	0.000	1387.68	
5	0.7560	1186.4	1207.4	1206.4	0.940	5.921	66.139	20.469	5.821	0.184	0.458	0.029	0.031	0.008	0.000	0.000	0.000	0.000	1388.68	
6	0.7539	1182.4	1203.4	1202.4	0.940	5.966	66.357	20.361	5.709	0.174	0.432	0.026	0.028	0.007	0.000	0.000	0.000	0.000	1385.93	
7	0.7533	1181.7	1202.7	1201.6	0.942	5.947	66.463	20.289	5.696	0.174	0.429	0.026	0.027	0.007	0.000	0.000	0.000	0.000	1385.70	
8	0.7530	1181.1	1202.0	1201.0	0.945	5.961	66.495	20.262	5.676	0.174	0.428	0.026	0.027	0.007	0.000	0.000	0.000	0.000	1385.14	
9	0.7561	1186.8	1207.8	1206.6	0.944	5.900	66.180	20.401	5.858	0.185	0.461	0.029	0.032	0.009	0.000	0.000	0.000	0.000	1389.00	
10	0.7573	1190.1	1211.2	1210.0	0.947	5.802	66.285	20.166	5.993	0.207	0.517	0.034	0.038	0.011	0.000	0.000	0.000	0.000	1391.83	
11	0.7535	1181.4	1202.3	1201.3	0.939	5.990	66.654	19.908	5.770	0.194	0.475	0.030	0.032	0.008	0.000	0.000	0.000	0.000	1385.10	
12	0.7543	1183.5	1204.5	1203.5	0.944	5.935	66.312	20.399	5.738	0.175	0.433	0.027	0.029	0.008	0.000	0.000	0.000	0.000	1386.83	
13	0.7584	1191.2	1212.3	1211.3	0.945	5.842	65.883	20.631	5.959	0.190	0.475	0.031	0.034	0.010	0.000	0.000	0.000	0.000	1392.11	
14	0.7568	1188.3	1209.3	1208.2	0.945	5.870	66.081	20.505	5.880	0.185	0.463	0.030	0.033	0.009	0.000	0.000	0.000	0.000	1390.16	
15	0.7567	1187.8	1208.8	1207.8	0.947	5.891	66.024	20.592	5.842	0.182	0.453	0.029	0.032	0.009	0.000	0.000	0.000	0.000	1389.63	
16	0.7544	1183.9	1204.9	1203.8	0.946	5.911	66.282	20.470	5.730	0.173	0.427	0.026	0.028	0.007	0.000	0.000	0.000	0.000	1387.23	
17	0.7559	1186.6	1207.6	1206.6	0.944	5.894	66.160	20.465	5.841	0.180	0.449	0.028	0.031	0.008	0.000	0.000	0.000	0.000	1388.97	
18	0.7550	1185.2	1206.2	1205.1	0.948	5.889	66.280	20.401	5.796	0.178	0.441	0.028	0.030	0.008	0.000	0.000	0.000	0.000	1388.15	
19	0.7552	1185.5	1206.5	1205.9	0.948	5.885	66.246	20.426	5.814	0.177	0.439	0.027	0.029	0.007	0.000	0.000	0.000	0.000	1388.40	
20	0.7552	1185.2	1206.2	1205.7	0.947	5.907	66.226	20.450	5.783	0.178	0.443	0.028	0.030	0.008	0.000	0.000	0.000	0.000	1388.03	
21	0.7541	1183.8	1204.7	1204.1	0.942	5.900	66.356	20.409	5.718	0.177	0.435	0.027	0.029	0.008	0.000	0.000	0.000	0.000	1387.35	
22	0.7566	1187.5	1208.6	1208.0	0.946	5.903	66.045	20.539	5.863	0.182	0.453	0.029	0.031	0.008	0.000	0.000	0.000	0.000	1389.40	
23	0.7550	1184.3	1205.3	1204.8	0.948	5.939	66.222	20.459	5.753	0.177	0.438	0.027	0.029	0.008	0.000	0.000	0.000	0.000	1387.19	
24	0.7564	1186.7	1207.7	1207.2	0.949	5.924	66.096	20.473	5.848	0.183	0.457	0.029	0.032	0.009	0.000	0.000	0.000	0.000	1388.68	
25	0.7551	1185.0	1206.0	1205.3	0.952	5.908	66.278	20.381	5.776	0.183	0.453	0.029	0.031	0.009	0.000	0.000	0.000	0.000	1387.80	
26	0.7550	1185.2	1206.1	1205.4	0.951	5.892	66.240	20.472	5.757	0.178	0.443	0.028	0.031	0.008	0.000	0.000	0.000	0.000	1388.07	
27	0.7565	1187.5	1208.5	1207.9	0.943	5.902	66.050	20.560	5.832	0.183	0.457	0.029	0.032	0.009	0.000	0.000	0.000	0.000	1389.41	
28	0.7562	1186.7	1207.7	1207.2	0.942	5.922	66.122	20.466	5.829	0.186	0.463	0.030	0.033	0.009	0.000	0.000	0.000	0.000	1388.81	
29	0.7566	1187.6	1208.6	1208.0	0.950	5.891	66.146	20.404	5.872	0.190	0.475	0.031	0.033	0.009	0.000	0.000	0.000	0.000	1389.46	
30	0.7577	1188.5	1209.5	1209.0	0.936	5.963	66.074	20.293	5.942	0.202	0.507	0.034	0.038	0.011	0.000	0.000	0.000	0.000	1389.46	
31	0.7568	1187.6	1208.7	1207.6	0.943	5.919	66.088	20.442	5.866	0.191	0.477	0.031	0.034	0.009	0.000	0.000	0.000	0.000	1389.33	
Avg	0.7556	1186.0	1206.7	1205.8	0.944	5.922	66.231	20.366	5.820	0.186	0.461	0.029	0.032	0.009	0.000	0.000	0.000	0.000	1388.20	

Source Daily Summary

July 2025

Source #: 063
Name: CLEVELAND STN-MAPLETON

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.7583	1186.3	1207.3	1207.1	0.970	6.094	65.845	20.446	5.889	0.204	0.472	0.032	0.035	0.012	0.000	0.000	0.000	0.000	1386.47	
2	0.7571	1183.8	1204.7	1204.5	0.972	6.139	66.017	20.293	5.813	0.209	0.480	0.032	0.035	0.010	0.000	0.000	0.000	0.000	1384.54	
3	0.7576	1185.1	1206.1	1205.8	0.979	6.090	66.007	20.306	5.825	0.217	0.495	0.034	0.037	0.010	0.000	0.000	0.000	0.000	1385.68	
4	0.7572	1184.8	1205.7	1205.5	0.977	6.075	66.094	20.218	5.863	0.205	0.486	0.033	0.037	0.011	0.000	0.000	0.000	0.000	1385.64	
5	0.7564	1183.1	1204.0	1203.8	0.978	6.099	66.177	20.170	5.821	0.200	0.475	0.032	0.035	0.012	0.000	0.000	0.000	0.000	1384.43	
6	0.7573	1185.5	1206.5	1206.2	0.979	6.044	65.873	20.584	5.823	0.185	0.439	0.029	0.032	0.012	0.000	0.000	0.000	0.000	1386.35	
7	0.7556	1182.7	1203.6	1203.2	0.982	6.052	66.061	20.503	5.738	0.178	0.421	0.027	0.029	0.009	0.000	0.000	0.000	0.000	1384.63	
8	0.7553	1182.4	1203.3	1203.1	0.984	6.036	66.101	20.498	5.718	0.178	0.419	0.027	0.029	0.009	0.000	0.000	0.000	0.000	1384.58	
9	0.7547	1181.2	1202.1	1201.8	0.984	6.053	66.165	20.468	5.676	0.176	0.416	0.027	0.029	0.007	0.000	0.000	0.000	0.000	1383.72	
10	0.7577	1186.5	1207.6	1207.3	0.986	6.002	65.832	20.636	5.844	0.186	0.445	0.030	0.032	0.007	0.000	0.000	0.000	0.000	1387.27	
11	0.7581	1188.4	1209.5	1209.2	0.989	5.916	66.050	20.333	5.926	0.206	0.495	0.035	0.039	0.013	0.000	0.000	0.000	0.000	1389.12	
12	0.7546	1180.1	1201.0	1200.1	0.979	6.118	66.428	19.976	5.767	0.197	0.463	0.030	0.033	0.010	0.000	0.000	0.000	0.000	1382.51	
13	0.7568	1184.8	1205.8	1205.1	0.986	6.030	65.897	20.623	5.789	0.180	0.428	0.028	0.030	0.009	0.000	0.000	0.000	0.000	1385.98	
14	0.7602	1191.9	1213.1	1212.8	0.986	5.906	65.552	20.843	5.976	0.193	0.466	0.033	0.036	0.009	0.000	0.000	0.000	0.000	1391.29	
15	0.7580	1187.9	1208.9	1208.7	0.991	5.942	65.734	20.764	5.866	0.185	0.443	0.030	0.032	0.012	0.000	0.000	0.000	0.000	1388.56	
16	0.7722	1183.4	1204.4	1204.1	1.070	6.504	63.249	22.277	6.195	0.189	0.446	0.029	0.031	0.011	0.000	0.000	0.000	0.000	1372.47	
17	0.7572	1185.7	1206.7	1206.5	0.987	6.001	65.876	20.636	5.818	0.181	0.431	0.029	0.031	0.010	0.000	0.000	0.000	0.000	1386.80	
18	0.7586	1188.9	1210.0	1209.7	0.986	5.939	65.607	20.788	5.962	0.189	0.455	0.031	0.034	0.009	0.000	0.000	0.000	0.000	1389.25	
19	0.7529	1178.3	1199.2	1198.7	0.990	6.049	66.354	20.421	5.567	0.168	0.394	0.024	0.026	0.007	0.000	0.000	0.000	0.000	1382.05	
20	0.7525	1177.5	1198.3	1197.8	0.990	6.061	66.393	20.402	5.545	0.166	0.387	0.024	0.025	0.006	0.000	0.000	0.000	0.000	1381.43	
21	0.7528	1178.3	1199.1	1198.4	0.989	6.045	66.337	20.460	5.560	0.166	0.388	0.024	0.026	0.004	0.000	0.000	0.000	0.000	1382.06	
22	0.7537	1179.9	1200.8	1200.2	0.993	6.019	66.245	20.514	5.610	0.168	0.393	0.025	0.026	0.006	0.000	0.000	0.000	0.000	1383.19	
23	0.7551	1182.4	1203.3	1202.7	0.990	6.008	66.106	20.548	5.699	0.174	0.412	0.027	0.029	0.007	0.000	0.000	0.000	0.000	1384.78	
24	0.7565	1185.0	1206.0	1205.3	0.985	5.988	65.941	20.642	5.771	0.180	0.427	0.028	0.030	0.007	0.000	0.000	0.000	0.000	1386.52	
25	0.7565	1183.9	1204.9	1204.1	0.990	6.041	65.916	20.636	5.747	0.179	0.424	0.029	0.031	0.006	0.000	0.000	0.000	0.000	1385.32	
26	0.7585	1187.3	1208.3	1207.5	0.989	6.024	65.702	20.709	5.874	0.187	0.446	0.030	0.033	0.006	0.000	0.000	0.000	0.000	1387.45	
27	0.7571	1185.3	1206.3	1205.5	0.991	6.020	65.850	20.668	5.790	0.182	0.431	0.029	0.031	0.007	0.000	0.000	0.000	0.000	1386.30	
28	0.7578	1186.4	1207.4	1206.8	0.991	6.016	65.767	20.682	5.852	0.184	0.439	0.029	0.032	0.008	0.000	0.000	0.000	0.000	1387.00	
29	0.7552	1180.9	1201.8	1201.1	0.995	6.109	66.156	20.192	5.808	0.198	0.466	0.032	0.034	0.009	0.000	0.000	0.000	0.000	1382.95	
30	0.7532	1182.6	1203.5	1203.0	0.988	6.032	66.041	20.480	5.706	0.200	0.475	0.032	0.035	0.011	0.000	0.000	0.000	0.000	1386.86	
31	0.7514	1185.8	1206.8	1206.4	0.974	6.016	65.797	20.538	5.783	0.233	0.559	0.041	0.045	0.013	0.000	0.000	0.000	0.000	1392.38	
Avg	0.7566	1184.0	1205.0	1204.6	0.988	6.047	65.909	20.557	5.794	0.188	0.446	0.030	0.032	0.009	0.000	0.000	0.000	0.000	1385.41	

Source Daily Summary

July 2025

Source #: 061
Name: CLEVELAND STN-GRAFTON BDR

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.7584	1185.7	1206.7	1205.6	0.968	6.141	66.028	20.084	5.958	0.222	0.513	0.035	0.038	0.013	0.000	0.000	0.000	0.000	1385.68	
2	0.7587	1186.4	1207.4	1205.8	0.970	6.131	65.969	20.146	5.963	0.221	0.515	0.035	0.039	0.011	0.000	0.000	0.000	0.000	1386.12	
3	0.7574	1184.5	1205.5	1205.0	0.977	6.109	66.045	20.249	5.827	0.216	0.495	0.034	0.037	0.010	0.000	0.000	0.000	0.000	1385.20	
4	0.7565	1183.5	1204.4	1204.3	0.978	6.091	66.173	20.163	5.831	0.204	0.481	0.033	0.036	0.010	0.000	0.000	0.000	0.000	1384.74	
5	0.7556	1181.5	1202.5	1202.3	0.980	6.122	66.288	20.076	5.783	0.199	0.473	0.032	0.035	0.013	0.000	0.000	0.000	0.000	1383.30	
6	0.7564	1183.8	1204.7	1204.6	0.978	6.063	65.984	20.513	5.774	0.183	0.433	0.029	0.031	0.012	0.000	0.000	0.000	0.000	1385.19	
7	0.7601	1187.3	1208.3	1206.8	0.975	6.198	65.565	20.520	5.986	0.197	0.479	0.033	0.036	0.011	0.000	0.000	0.000	0.000	1385.94	
8	0.7593	1186.9	1207.9	1207.0	0.978	6.142	65.658	20.540	5.943	0.194	0.469	0.032	0.034	0.010	0.000	0.000	0.000	0.000	1386.22	
9	0.7543	1180.3	1201.2	1201.1	0.984	6.064	66.218	20.427	5.656	0.175	0.414	0.026	0.028	0.007	0.000	0.000	0.000	0.000	1383.13	
10	0.7574	1186.0	1207.0	1206.9	0.986	6.005	65.881	20.601	5.828	0.186	0.444	0.030	0.032	0.008	0.000	0.000	0.000	0.000	1386.91	
11	0.7577	1187.6	1208.6	1208.5	0.991	5.928	66.090	20.307	5.902	0.205	0.491	0.035	0.039	0.013	0.000	0.000	0.000	0.000	1388.51	
12	0.7543	1179.5	1200.4	1199.9	0.979	6.123	66.462	19.960	5.745	0.196	0.461	0.030	0.033	0.010	0.000	0.000	0.000	0.000	1382.12	
13	0.7562	1183.7	1204.6	1204.2	0.986	6.042	65.971	20.574	5.759	0.179	0.424	0.028	0.030	0.008	0.000	0.000	0.000	0.000	1385.22	
14	0.7598	1191.1	1212.2	1212.1	0.987	5.915	65.599	20.813	5.956	0.192	0.462	0.032	0.035	0.009	0.000	0.000	0.000	0.000	1390.73	
15	0.7567	1185.8	1206.8	1206.7	0.989	5.952	65.805	20.730	5.835	0.183	0.435	0.029	0.031	0.011	0.000	0.000	0.000	0.000	1387.27	
16	0.7638	1183.1	1204.0	1203.9	1.028	6.269	64.659	21.418	5.952	0.181	0.426	0.027	0.029	0.010	0.000	0.000	0.000	0.000	1378.28	
17	0.7570	1185.4	1206.4	1206.3	0.987	6.004	65.898	20.626	5.807	0.181	0.429	0.028	0.031	0.009	0.000	0.000	0.000	0.000	1386.57	
18	0.7589	1189.3	1210.3	1210.2	0.986	5.946	65.676	20.764	5.927	0.187	0.446	0.030	0.032	0.008	0.000	0.000	0.000	0.000	1389.37	
19	0.7529	1178.3	1199.1	1198.8	0.991	6.053	66.357	20.413	5.565	0.168	0.395	0.025	0.027	0.007	0.000	0.000	0.000	0.000	1381.97	
20	0.7524	1177.2	1198.1	1197.6	0.990	6.066	66.406	20.390	5.541	0.166	0.387	0.024	0.025	0.006	0.000	0.000	0.000	0.000	1381.24	
21	0.7528	1178.1	1199.0	1198.4	0.990	6.049	66.342	20.454	5.557	0.166	0.388	0.024	0.026	0.004	0.000	0.000	0.000	0.000	1381.94	
22	0.7538	1180.2	1201.1	1200.5	0.990	6.019	66.231	20.520	5.619	0.168	0.395	0.025	0.026	0.006	0.000	0.000	0.000	0.000	1383.38	
23	0.7633	1182.5	1203.4	1202.9	1.030	6.248	64.646	21.425	5.970	0.183	0.434	0.028	0.030	0.007	0.000	0.000	0.000	0.000	1378.03	
24	0.7570	1185.8	1206.8	1206.2	0.986	5.986	65.878	20.675	5.797	0.181	0.431	0.028	0.031	0.007	0.000	0.000	0.000	0.000	1386.99	
25	0.7564	1183.8	1204.7	1204.0	0.991	6.044	65.926	20.625	5.745	0.179	0.424	0.029	0.031	0.006	0.000	0.000	0.000	0.000	1385.19	
26	0.7590	1188.2	1209.3	1208.5	0.990	6.015	65.648	20.731	5.905	0.189	0.452	0.031	0.034	0.006	0.000	0.000	0.000	0.000	1388.06	
27	0.7572	1185.4	1206.4	1205.8	0.991	6.021	65.841	20.670	5.796	0.182	0.432	0.029	0.031	0.007	0.000	0.000	0.000	0.000	1386.37	
28	0.7574	1186.0	1207.0	1206.4	0.991	6.004	65.717	20.702	5.884	0.186	0.444	0.030	0.032	0.009	0.000	0.000	0.000	0.000	1386.82	
29	0.7547	1180.3	1201.2	1200.6	0.991	6.094	66.352	20.055	5.771	0.197	0.465	0.031	0.034	0.009	0.000	0.000	0.000	0.000	1382.68	
30	0.7563	1184.1	1205.1	1204.6	0.996	6.005	65.900	20.657	5.756	0.183	0.431	0.029	0.032	0.010	0.000	0.000	0.000	0.000	1385.67	
31	0.7520	1185.9	1206.9	1206.7	1.182	6.034	65.632	20.423	5.816	0.235	0.564	0.047	0.051	0.015	0.000	0.000	0.000	0.000	1391.99	
Avg	0.7569	1184.0	1205.1	1204.6	0.994	6.061	65.898	20.524	5.811	0.190	0.449	0.030	0.033	0.009	0.000	0.000	0.000	0.000	1385.19	

Source Daily Summary

July 2025

Source #: 662
Name: MAPLETON-WAHPETON

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.5869	1027.5	1045.7	1045.5	0.522	0.355	94.012	4.983	0.121	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.98	-91.71
2	0.5866	1027.5	1045.7	1045.5	0.510	0.344	94.049	4.982	0.108	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.34	-91.94
3	0.5865	1027.4	1045.6	1045.3	0.504	0.354	94.062	4.961	0.111	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.26	-92.02
4	0.5866	1027.4	1045.6	1045.2	0.507	0.355	94.061	4.951	0.119	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1365.19	-91.95
5	0.5866	1027.2	1045.4	1045.0	0.519	0.350	94.073	4.926	0.123	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.90	-91.95
6	0.5855	1025.9	1044.1	1043.7	0.510	0.342	94.266	4.769	0.106	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.44	-92.93
7	0.5854	1025.8	1043.9	1043.5	0.503	0.349	94.278	4.764	0.099	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.39	-93.10
8	0.5853	1025.8	1043.9	1043.6	0.496	0.349	94.295	4.753	0.101	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.51	-93.16
9	0.5852	1025.4	1043.6	1043.2	0.502	0.353	94.316	4.728	0.096	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.18	-93.33
10	0.5856	1025.8	1044.0	1043.6	0.510	0.349	94.266	4.758	0.108	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.28	-92.90
11	0.5869	1028.3	1046.5	1046.1	0.507	0.330	94.004	5.022	0.127	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1366.04	-91.43
12	0.5869	1027.7	1045.9	1045.4	0.513	0.354	94.036	4.947	0.137	0.006	0.005	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1365.29	-91.47
13	0.5864	1027.2	1045.4	1045.0	0.509	0.349	94.092	4.936	0.105	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.12	-92.09
14	0.5868	1027.0	1045.2	1044.9	0.519	0.378	94.012	4.981	0.100	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.47	-91.96
15	0.5859	1025.6	1043.8	1042.2	0.511	0.385	94.023	4.967	0.104	0.005	0.004	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1363.66	-91.92
16	0.5876	1028.3	1046.5	1046.2	0.520	0.378	93.859	5.116	0.117	0.005	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.17	-91.13
17	0.5870	1027.1	1045.3	1045.0	0.527	0.383	93.974	5.002	0.106	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.33	-91.81
18	0.5872	1027.7	1045.9	1045.7	0.528	0.362	93.961	4.992	0.143	0.007	0.005	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1364.87	-91.10
19	0.5890	1030.4	1048.7	1048.5	0.545	0.342	93.712	5.178	0.202	0.010	0.009	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1366.38	-88.98
20	0.5881	1029.3	1047.6	1047.3	0.544	0.319	93.836	5.142	0.147	0.006	0.005	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1366.05	-90.39
21	0.5882	1029.3	1047.5	1047.3	0.536	0.346	93.763	5.228	0.116	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.85	-90.52
22	0.5880	1029.6	1047.8	1047.5	0.516	0.338	93.777	5.256	0.105	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1366.48	-90.73
23	0.5875	1028.6	1046.8	1046.5	0.524	0.342	93.760	5.260	0.106	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.67	-90.65
24	0.5884	1029.6	1047.9	1047.5	0.537	0.340	93.726	5.278	0.110	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1366.12	-90.40
25	0.5888	1030.1	1048.4	1048.0	0.544	0.337	93.664	5.325	0.118	0.006	0.005	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1366.28	-89.96
26	0.6023	1039.8	1058.2	1057.7	0.653	0.855	91.165	6.973	0.326	0.010	0.015	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1363.85	-80.02
27	0.6484	1074.2	1093.3	1092.8	1.013	2.556	82.607	12.724	1.015	0.028	0.052	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1357.66	-46.52
28	0.6471	1071.8	1090.8	1090.3	1.011	2.580	82.765	12.472	1.082	0.029	0.055	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1355.97	-46.35
29	0.6481	1073.5	1092.5	1092.0	1.019	2.553	82.440	12.672	1.104	0.030	0.056	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1357.14	-45.57
30	0.6488	1075.3	1094.4	1093.9	1.011	2.521	82.475	12.854	1.052	0.028	0.054	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1358.62	-45.65
31	0.6459	1072.8	1091.8	1091.4	0.987	2.436	82.891	12.626	0.979	0.026	0.049	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1358.62	-47.89
Avg	0.5972	1035.0	1053.8	1053.4	0.602	0.719	92.072	6.307	0.274	0.009	0.012	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1363.91	-83.92

Source Daily Summary

July 2025

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

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.7559	1184.3	1205.3	1204.2	0.932	6.054	66.286	20.101	5.861	0.202	0.490	0.031	0.034	0.009	0.000	0.000	0.000	0.000	1386.27	
2	0.7558	1184.5	1205.5	1204.4	0.937	6.023	66.361	20.060	5.807	0.218	0.515	0.033	0.036	0.010	0.000	0.000	0.000	0.000	1386.60	
3	0.7556	1184.7	1205.7	1204.5	0.938	5.983	66.456	19.955	5.869	0.208	0.509	0.033	0.037	0.011	0.000	0.000	0.000	0.000	1387.08	
4	0.7557	1184.9	1205.9	1204.7	0.938	5.984	66.381	20.058	5.865	0.199	0.498	0.032	0.035	0.010	0.000	0.000	0.000	0.000	1387.18	
5	0.7558	1186.1	1207.1	1206.1	0.940	5.923	66.162	20.455	5.811	0.183	0.457	0.029	0.031	0.008	0.000	0.000	0.000	0.000	1388.47	
6	0.7539	1182.3	1203.3	1202.3	0.940	5.969	66.362	20.356	5.705	0.174	0.432	0.026	0.028	0.007	0.000	0.000	0.000	0.000	1385.86	
7	0.7530	1181.3	1202.2	1201.2	0.943	5.950	66.495	20.273	5.680	0.173	0.426	0.026	0.027	0.007	0.000	0.000	0.000	0.000	1385.40	
8	0.7529	1180.9	1201.8	1200.7	0.945	5.962	66.511	20.250	5.671	0.174	0.428	0.026	0.027	0.007	0.000	0.000	0.000	0.000	1384.99	
9	0.7560	1186.5	1207.5	1206.3	0.945	5.902	66.197	20.391	5.852	0.185	0.460	0.029	0.032	0.009	0.000	0.000	0.000	0.000	1388.85	
10	0.7568	1189.2	1210.3	1209.1	0.947	5.810	66.349	20.124	5.966	0.206	0.515	0.034	0.038	0.011	0.000	0.000	0.000	0.000	1391.23	
11	0.7534	1181.4	1202.3	1201.4	0.939	5.987	66.661	19.903	5.770	0.194	0.475	0.030	0.032	0.008	0.000	0.000	0.000	0.000	1385.11	
12	0.7539	1182.7	1203.6	1202.6	0.944	5.946	66.363	20.371	5.711	0.174	0.429	0.026	0.028	0.007	0.000	0.000	0.000	0.000	1386.22	
13	0.7583	1191.0	1212.1	1210.9	0.945	5.846	65.893	20.623	5.955	0.189	0.475	0.031	0.034	0.010	0.000	0.000	0.000	0.000	1391.95	
14	0.7566	1188.1	1209.1	1207.9	0.945	5.871	66.097	20.494	5.873	0.185	0.462	0.030	0.033	0.010	0.000	0.000	0.000	0.000	1390.03	
15	0.7569	1188.1	1209.2	1208.4	0.947	5.889	66.001	20.601	5.854	0.182	0.456	0.029	0.032	0.009	0.000	0.000	0.000	0.000	1389.87	
16	0.7541	1183.5	1204.5	1203.7	0.947	5.913	66.308	20.461	5.716	0.172	0.424	0.025	0.027	0.007	0.000	0.000	0.000	0.000	1386.98	
17	0.7553	1185.5	1206.5	1205.5	0.944	5.907	66.227	20.426	5.807	0.178	0.443	0.028	0.030	0.008	0.000	0.000	0.000	0.000	1388.21	
18	0.7552	1185.5	1206.5	1205.5	0.948	5.887	66.259	20.411	5.807	0.178	0.444	0.028	0.030	0.008	0.000	0.000	0.000	0.000	1388.37	
19	0.7552	1185.6	1206.6	1205.6	0.948	5.884	66.244	20.427	5.816	0.177	0.440	0.027	0.029	0.007	0.000	0.000	0.000	0.000	1388.46	
20	0.7552	1185.2	1206.2	1205.2	0.947	5.907	66.226	20.451	5.783	0.178	0.443	0.028	0.030	0.008	0.000	0.000	0.000	0.000	1388.02	
21	0.7540	1183.6	1204.6	1203.4	0.942	5.901	66.371	20.398	5.713	0.176	0.435	0.027	0.029	0.008	0.000	0.000	0.000	0.000	1387.23	
22	0.7566	1187.5	1208.5	1207.5	0.946	5.903	66.051	20.538	5.859	0.182	0.453	0.029	0.031	0.008	0.000	0.000	0.000	0.000	1389.35	
23	0.7550	1184.4	1205.4	1204.4	0.948	5.938	66.220	20.459	5.755	0.177	0.439	0.027	0.030	0.008	0.000	0.000	0.000	0.000	1387.25	
24	0.7565	1186.8	1207.9	1206.7	0.948	5.925	66.076	20.495	5.849	0.183	0.455	0.029	0.031	0.008	0.000	0.000	0.000	0.000	1388.76	
25	0.7551	1184.8	1205.8	1204.5	0.952	5.912	66.297	20.354	5.777	0.183	0.455	0.029	0.032	0.009	0.000	0.000	0.000	0.000	1387.66	
26	0.7552	1185.4	1206.4	1205.1	0.951	5.889	66.224	20.478	5.766	0.179	0.445	0.028	0.031	0.008	0.000	0.000	0.000	0.000	1388.25	
27	0.7565	1187.4	1208.4	1207.2	0.944	5.902	66.058	20.555	5.830	0.183	0.458	0.029	0.032	0.009	0.000	0.000	0.000	0.000	1389.35	
28	0.7563	1186.8	1207.8	1206.8	0.942	5.922	66.117	20.470	5.830	0.186	0.463	0.030	0.033	0.009	0.000	0.000	0.000	0.000	1388.83	
29	0.7565	1187.6	1208.6	1207.5	0.950	5.887	66.149	20.409	5.868	0.190	0.474	0.031	0.033	0.009	0.000	0.000	0.000	0.000	1389.50	
30	0.7581	1189.1	1210.2	1209.2	0.937	5.959	66.030	20.313	5.961	0.204	0.513	0.034	0.038	0.011	0.000	0.000	0.000	0.000	1389.88	
31	0.7561	1186.2	1207.2	1206.1	0.943	5.940	66.180	20.375	5.828	0.189	0.472	0.030	0.033	0.009	0.000	0.000	0.000	0.000	1388.30	
Avg	0.7555	1186.0	1206.5	1205.4	0.944	5.925	66.246	20.356	5.813	0.186	0.461	0.029	0.032	0.009	0.000	0.000	0.000	0.000	1388.05	

Source Daily Summary

July 2025

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

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.6952	1137.1	1157.2	1155.9	1.068	3.053	72.500	22.733	0.618	0.011	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1387.93	
2	0.6980	1143.3	1163.5	1162.0	1.063	2.950	71.830	23.605	0.535	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.66	
3	0.6981	1142.6	1162.8	1161.5	1.101	2.947	71.815	23.608	0.512	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.69	
4	0.6979	1142.4	1162.7	1161.7	1.080	2.962	71.889	23.504	0.548	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.78	
5	0.6980	1142.9	1163.2	1162.2	1.071	2.960	71.859	23.535	0.558	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.23	
6	0.6972	1141.6	1161.8	1160.6	1.082	2.948	71.991	23.445	0.517	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.44	
7	0.6975	1142.0	1162.2	1161.0	1.089	2.943	71.939	23.495	0.518	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.59	
8	0.6975	1141.9	1162.2	1160.9	1.080	2.957	71.921	23.518	0.508	0.007	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.57	
9	0.6983	1143.2	1163.4	1161.8	1.087	2.950	71.843	23.514	0.589	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.21	
10	0.6912	1128.6	1148.5	1147.0	1.077	3.182	73.385	21.634	0.692	0.012	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1381.50	
11	0.6878	1124.0	1143.9	1143.0	0.990	3.276	74.167	20.664	0.857	0.018	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1379.24	
12	0.6910	1129.5	1149.6	1148.4	1.015	3.200	73.703	21.048	0.963	0.025	0.044	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1382.85	
13	0.6891	1126.1	1146.0	1144.7	1.041	3.195	73.798	21.210	0.723	0.013	0.019	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1380.48	
14	0.6816	1111.5	1131.2	1129.7	1.019	3.410	75.582	18.956	0.973	0.022	0.037	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1370.05	
15	0.6885	1129.9	1149.9	1149.2	0.703	3.397	74.540	19.572	1.633	0.051	0.093	0.005	0.005	0.000	0.000	0.000	0.000	0.000	1385.87	
16	0.6824	1113.9	1133.6	1132.9	0.893	3.516	75.613	18.607	1.269	0.035	0.062	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1372.36	
17	0.6818	1110.2	1129.9	1129.2	1.049	3.451	75.554	18.940	0.944	0.022	0.038	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1368.41	
18	0.6951	1137.5	1157.6	1156.7	1.083	2.994	72.345	23.019	0.538	0.008	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.51	
19	0.6979	1142.3	1162.6	1161.6	1.100	2.946	71.824	23.631	0.483	0.007	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.58	
20	0.6983	1143.4	1163.6	1162.6	1.082	2.949	71.761	23.674	0.518	0.007	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.42	
21	0.6952	1137.1	1157.2	1156.0	1.086	3.027	72.478	22.801	0.585	0.010	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1387.91	
22	0.6573	1084.7	1103.9	1103.1	0.987	2.794	80.611	14.605	0.931	0.025	0.046	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1361.59	
23	0.6487	1073.1	1092.1	1091.3	0.962	2.730	82.430	12.769	1.027	0.028	0.052	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1355.90	
24	0.6499	1074.5	1093.6	1092.5	0.969	2.747	82.300	12.799	1.100	0.030	0.055	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1356.45	
25	0.6505	1077.3	1096.4	1095.2	0.961	2.641	82.098	13.214	1.006	0.028	0.052	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1359.41	
26	0.6517	1077.9	1097.0	1095.8	0.968	2.709	81.837	13.395	1.014	0.026	0.049	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1358.91	
27	0.6539	1082.2	1101.4	1100.3	0.966	2.659	81.679	13.412	1.131	0.044	0.094	0.007	0.009	0.000	0.000	0.000	0.000	0.000	1361.96	
28	0.6511	1077.1	1096.1	1095.5	0.973	2.691	81.943	13.334	0.984	0.026	0.048	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1358.48	
29	0.6504	1076.6	1095.7	1094.7	0.963	2.668	81.937	13.259	0.982	0.026	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1358.60	
30	0.6475	1072.2	1091.2	1090.4	0.970	2.655	82.380	12.964	0.948	0.029	0.051	0.001	0.002	0.000	0.000	0.000	0.000	0.000	1355.99	
31	0.6482	1072.2	1091.2	1090.5	0.982	2.686	82.121	13.075	0.921	0.029	0.050	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1355.40	
Avg	0.6796	1115.0	1135.2	1134.1	1.018	2.974	75.860	19.275	0.810	0.019	0.033	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1377.00	

Source Daily Summary

July 2025

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

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.6850	1127.8	1147.8	1147.1	0.474	3.543	76.007	17.476	2.274	0.075	0.136	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1386.82	
2	0.6842	1126.3	1146.3	1145.3	0.428	3.629	75.996	17.536	2.205	0.069	0.124	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1385.83	
3	0.6823	1120.3	1140.2	1139.3	0.522	3.680	76.368	17.104	2.128	0.066	0.119	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1380.28	
4	0.6855	1122.1	1142.0	1141.3	0.781	3.478	75.414	18.541	1.636	0.051	0.090	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1379.31	
5	0.6789	1106.1	1125.7	1125.1	0.912	3.634	76.618	17.264	1.452	0.042	0.071	0.004	0.003	0.000	0.000	0.000	0.000	0.000	1366.22	
6	0.6718	1093.6	1113.0	1112.4	0.871	3.792	77.949	15.855	1.424	0.038	0.064	0.004	0.003	0.000	0.000	0.000	0.000	0.000	1357.89	
7	0.6720	1093.9	1113.2	1113.0	0.875	3.786	77.929	15.869	1.430	0.039	0.065	0.004	0.003	0.000	0.000	0.000	0.000	0.000	1358.05	
8	0.6721	1094.1	1113.5	1112.9	0.879	3.779	77.906	15.896	1.428	0.039	0.066	0.004	0.003	0.000	0.000	0.000	0.000	0.000	1358.19	
9	0.6757	1101.4	1120.9	1120.1	0.864	3.695	77.509	16.112	1.660	0.053	0.097	0.006	0.005	0.000	0.000	0.000	0.000	0.000	1363.57	
10	0.6711	1093.5	1112.8	1112.5	0.851	3.759	78.440	15.116	1.682	0.050	0.091	0.006	0.005	0.000	0.000	0.000	0.000	0.000	1358.42	
11	0.6705	1094.1	1113.5	1113.2	0.765	3.801	78.274	15.455	1.598	0.039	0.062	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1359.80	
12	0.6707	1093.2	1112.6	1112.3	0.829	3.773	78.307	15.402	1.572	0.041	0.068	0.004	0.003	0.000	0.000	0.000	0.000	0.000	1358.52	
13	0.6714	1091.5	1110.8	1110.1	0.933	3.784	78.261	15.354	1.541	0.044	0.075	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1355.71	
14	0.6717	1091.5	1110.9	1109.4	0.950	3.782	78.215	15.389	1.534	0.044	0.076	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1355.48	
15	0.6706	1089.8	1109.1	1108.3	0.955	3.787	78.323	15.285	1.524	0.043	0.074	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1354.32	
16	0.6757	1101.8	1121.3	1120.9	0.833	3.717	77.552	15.999	1.737	0.054	0.097	0.006	0.005	0.000	0.000	0.000	0.000	0.000	1364.06	
17	0.6823	1119.5	1139.3	1139.0	0.585	3.627	76.439	17.042	2.101	0.068	0.124	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1379.32	
18	0.6838	1124.8	1144.7	1144.2	0.490	3.585	75.934	17.607	2.167	0.073	0.131	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1384.29	
19	0.6862	1129.8	1149.8	1149.1	0.473	3.539	75.709	17.816	2.242	0.074	0.133	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1388.06	
20	0.6820	1120.7	1140.6	1139.8	0.502	3.649	76.365	17.210	2.086	0.063	0.113	0.007	0.005	0.000	0.000	0.000	0.000	0.000	1381.18	
21	0.6747	1103.5	1123.0	1122.4	0.710	3.711	77.466	16.239	1.740	0.048	0.079	0.004	0.003	0.000	0.000	0.000	0.000	0.000	1367.17	
22	0.6840	1120.9	1140.8	1140.1	0.738	3.480	75.229	19.055	1.397	0.037	0.059	0.003	0.001	0.000	0.000	0.000	0.000	0.000	1379.32	
23	0.6866	1122.2	1142.1	1141.4	0.836	3.495	74.988	19.113	1.446	0.044	0.071	0.004	0.002	0.000	0.000	0.000	0.000	0.000	1378.29	
24	0.6863	1121.4	1141.3	1140.6	0.842	3.504	75.052	19.037	1.443	0.044	0.072	0.004	0.002	0.000	0.000	0.000	0.000	0.000	1377.66	
25	0.6813	1119.2	1139.0	1138.3	0.751	3.311	76.153	18.089	1.561	0.046	0.080	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1379.90	
26	0.6768	1113.8	1133.6	1132.9	0.734	3.238	77.017	17.363	1.516	0.045	0.078	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1377.86	
27	0.6715	1103.9	1123.5	1122.9	0.839	3.183	77.984	16.550	1.338	0.037	0.063	0.004	0.003	0.000	0.000	0.000	0.000	0.000	1371.01	
28	0.6693	1101.6	1121.1	1120.4	0.856	3.098	78.426	16.152	1.349	0.040	0.071	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1370.26	
29	0.6727	1105.9	1125.5	1124.9	0.733	3.337	77.609	16.520	1.565	0.045	0.079	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1372.22	
30	0.6784	1115.4	1135.2	1134.5	0.581	3.511	76.829	16.867	1.943	0.062	0.114	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1378.26	
31	0.6787	1116.2	1136.0	1135.3	0.620	3.441	76.836	17.009	1.907	0.061	0.112	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1378.87	
Avg	0.6775	1109.0	1128.7	1128.0	0.742	3.585	77.003	16.817	1.698	0.051	0.089	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1371.17	

Source Daily Summary

July 2025

Source #: 111
Name: LITTLE KNIFE PLANT

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.6977	1140.8	1161.0	1159.3	1.145	2.946	71.958	23.415	0.520	0.006	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.96	-24.34
2	0.6977	1140.7	1160.9	1159.0	1.148	2.950	71.988	23.349	0.547	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.82	-24.24
3	0.6975	1140.8	1161.0	1159.1	1.142	2.940	72.015	23.335	0.551	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.05	-24.27
4	0.6972	1140.1	1160.3	1158.8	1.152	2.934	72.068	23.309	0.520	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.57	-24.57
5	0.6968	1139.2	1159.3	1157.8	1.158	2.946	72.143	23.227	0.510	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.82	-24.87
6	0.6972	1139.8	1160.0	1158.3	1.154	2.947	72.074	23.284	0.525	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.22	-24.60
7	0.6969	1139.4	1159.6	1157.9	1.146	2.957	72.113	23.257	0.510	0.006	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.05	-24.80
8	0.6971	1139.9	1160.1	1158.4	1.146	2.949	72.077	23.288	0.523	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.40	-24.63
9	0.6989	1142.6	1162.9	1160.8	1.146	2.946	71.832	23.419	0.640	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.99	-23.31
10	0.6988	1141.3	1161.5	1158.9	1.180	2.972	71.772	23.523	0.538	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.40	-23.88
11	0.6972	1140.3	1160.5	1159.0	1.135	2.947	72.029	23.368	0.506	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.86	-24.60
12	0.6969	1140.8	1161.0	1159.7	1.100	2.940	72.041	23.416	0.488	0.006	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.78	-24.72
13	0.6969	1140.8	1161.0	1159.7	1.100	2.940	72.041	23.416	0.488	0.006	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.78	-24.72
14	0.6959	1138.2	1158.3	1156.8	1.133	2.958	72.291	23.100	0.503	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.52	-25.32
15	0.6966	1138.1	1158.3	1156.5	1.158	2.992	72.139	23.217	0.479	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1387.75	-25.19
16	0.6961	1137.5	1157.7	1156.3	1.156	2.979	72.251	23.119	0.481	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1387.57	-25.43
17	0.6962	1137.4	1157.6	1155.6	1.172	2.972	72.255	23.093	0.493	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1387.32	-25.35
18	0.6974	1140.2	1160.4	1158.7	1.158	2.943	71.986	23.409	0.490	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.45	-24.61
19	0.6971	1139.8	1160.0	1158.2	1.148	2.950	72.061	23.321	0.504	0.007	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.29	-24.70
20	0.6983	1141.5	1161.7	1159.8	1.156	2.947	71.838	23.521	0.522	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.20	-24.04
21	0.6973	1139.9	1160.1	1158.4	1.154	2.947	72.052	23.315	0.516	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.29	-24.61
22	0.6973	1139.6	1159.8	1158.1	1.167	2.957	72.040	23.307	0.513	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.81	-24.62
23	0.6971	1139.4	1159.6	1158.1	1.160	2.956	72.076	23.284	0.508	0.007	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.82	-24.74
24	0.6971	1139.5	1159.7	1158.2	1.154	2.955	72.091	23.264	0.520	0.007	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.00	-24.71
25	0.6976	1140.4	1160.6	1158.8	1.157	2.951	71.976	23.381	0.520	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.48	-24.42
26	0.6977	1140.8	1161.0	1159.2	1.152	2.939	71.971	23.385	0.537	0.007	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.94	-24.27
27	0.6974	1139.9	1160.0	1158.3	1.167	2.944	72.042	23.311	0.521	0.007	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.10	-24.55
28	0.6985	1142.2	1162.5	1160.9	1.144	2.938	71.797	23.575	0.528	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.89	-23.86
29	0.6974	1140.2	1160.4	1158.8	1.142	2.961	72.018	23.346	0.517	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.52	-24.54
30	0.6976	1141.4	1161.6	1159.9	1.142	2.910	71.961	23.460	0.512	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.74	-24.32
31	0.6970	1139.6	1159.8	1158.0	1.159	2.938	72.087	23.295	0.505	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.14	-24.75
Avg	0.6973	1140.0	1160.3	1158.6	1.149	2.950	72.035	23.333	0.517	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.44	-24.57

Source Daily Summary

July 2025

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

Pressure Base:	14.730	Contract Day:	1
Temperature Base:	60	Contract Hour:	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	0.6414	1043.9	1062.4	1053.3	1.306	3.299	83.896	10.700	0.740	0.021	0.034	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1326.54	-56.42
2	0.6390	1046.3	1064.9	1055.1	1.263	2.993	84.359	10.604	0.722	0.021	0.033	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1332.10	-57.11
3	0.6382	1046.1	1064.6	1054.0	1.246	2.957	84.518	10.502	0.719	0.021	0.034	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1332.63	-57.50
4	0.6398	1046.3	1064.9	1056.2	1.282	3.040	84.216	10.677	0.725	0.022	0.035	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1331.25	-56.66
5	0.6398	1048.2	1066.7	1060.0	1.307	2.889	84.311	10.664	0.763	0.023	0.037	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1333.58	-55.89
6	0.6411	1047.0	1065.6	1057.7	1.350	3.014	84.081	10.720	0.768	0.024	0.039	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1330.81	-55.55
7	0.6449	1055.0	1073.6	1065.9	1.319	2.935	83.492	11.215	0.972	0.025	0.039	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1336.92	-51.62
8	0.6412	1041.8	1060.3	1051.0	1.292	3.432	83.842	10.673	0.712	0.018	0.028	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1324.08	-57.34
9	0.6427	1044.2	1062.7	1051.2	1.279	3.447	83.594	10.851	0.780	0.018	0.028	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1325.55	-55.95
10	0.6411	1041.7	1060.1	1050.1	1.291	3.434	83.849	10.670	0.712	0.016	0.025	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1323.98	-57.60
11	0.6401	1045.6	1064.1	1057.9	1.325	3.044	84.182	10.679	0.725	0.017	0.026	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1330.04	-57.13
12	0.6402	1047.1	1065.7	1057.0	1.309	2.982	84.167	10.757	0.739	0.017	0.025	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1331.90	-56.73
13	0.6383	1044.8	1063.3	1053.2	1.273	3.003	84.492	10.468	0.717	0.017	0.026	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1330.89	-58.01
14	0.6410	1046.1	1064.6	1054.1	1.296	3.146	84.006	10.717	0.788	0.017	0.026	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1329.69	-56.28
15	0.6407	1045.4	1064.0	1059.6	1.308	3.134	84.077	10.660	0.776	0.018	0.026	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1329.25	-56.62
16	0.6385	1042.8	1061.2	1056.6	1.261	3.163	84.427	10.374	0.729	0.017	0.026	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1328.13	-58.20
17	0.6395	1047.5	1066.1	1060.4	1.159	3.124	84.190	10.683	0.795	0.018	0.027	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1333.10	-56.59
18	0.6377	1045.2	1063.7	1056.3	1.134	3.138	84.488	10.441	0.752	0.017	0.026	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1331.97	-57.99
19	0.6391	1048.1	1066.7	1059.7	1.130	3.087	84.290	10.623	0.821	0.018	0.028	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1334.37	-56.49
20	0.6390	1045.1	1063.6	1056.2	1.278	3.042	84.435	10.394	0.802	0.018	0.028	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1330.57	-57.01
21	0.6399	1047.8	1066.4	1058.5	1.260	2.986	84.294	10.565	0.845	0.019	0.029	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1333.10	-55.90
22	0.6435	1051.5	1070.2	1062.7	1.355	2.957	83.698	11.048	0.887	0.020	0.031	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1334.05	-53.49
23	0.6397	1047.0	1065.5	1058.5	1.279	2.995	84.338	10.499	0.838	0.019	0.029	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1332.18	-56.15
24	0.6414	1049.0	1067.5	1059.0	1.294	3.010	84.051	10.709	0.887	0.019	0.028	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1332.95	-54.91
25	0.6412	1049.9	1068.5	1059.1	1.256	2.985	84.094	10.706	0.907	0.019	0.030	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1334.42	-54.64
26	0.6442	1052.7	1071.3	1061.3	1.337	2.981	83.511	11.249	0.871	0.019	0.028	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1334.75	-53.33
27	0.6388	1047.3	1065.9	1056.5	1.276	2.890	84.553	10.374	0.857	0.019	0.028	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1333.60	-56.41
28	0.6389	1048.5	1067.1	1059.5	1.233	2.893	84.528	10.404	0.892	0.019	0.028	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1334.99	-55.98
29	0.6442	1053.7	1072.3	1064.0	1.335	2.920	83.623	11.100	0.969	0.020	0.030	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1336.07	-52.45
30	0.6432	1053.0	1071.6	1064.1	1.321	2.893	83.782	11.016	0.937	0.019	0.029	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1336.17	-53.18
31	0.6446	1056.4	1075.2	1067.5	1.292	2.852	83.521	11.309	0.973	0.020	0.030	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1339.17	-51.86
Avg	0.6407	1048.0	1066.1	1057.9	1.279	3.054	84.094	10.711	0.810	0.019	0.029	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1331.90	-55.84

July-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	
7/1/2025	7/2/2025	19,528	21,244	1,089	918	1,107	1205.3	1094.222	7/1/2025
7/2/2025	7/3/2025	15,151	16,491	1,091	931	1,122	1205.5	1097.157	7/2/2025
7/3/2025	7/4/2025	1,779	1,930	1,086	889	1,072	1205.7	1125.685	7/3/2025
7/4/2025	7/5/2025	0	0	0	778	939	1205.9	1205.900	7/4/2025
7/5/2025	7/6/2025	0	0	0	890	1,074	1207.1	1207.100	7/5/2025
7/6/2025	7/7/2025	4,543	4,923	1,084	896	1,079	1203.3	1103.235	7/6/2025
7/7/2025	7/8/2025	12,239	13,227	1,082	1,027	1,235	1202.2	1091.029	7/7/2025
7/8/2025	7/9/2025	18,170	19,663	1,082	1,004	1,206	1201.8	1087.989	7/8/2025
7/9/2025	7/10/2025	12,293	13,333	1,084	925	1,117	1207.5	1092.550	7/9/2025
7/10/2025	7/11/2025	15,268	16,603	1,088	840	1,017	1210.3	1094.093	7/10/2025
7/11/2025	7/12/2025	0	0	0	1,047	1,259	1202.3	1202.300	7/11/2025
7/12/2025	7/13/2025	0	0	0	809	974	1203.6	1203.600	7/12/2025
7/13/2025	7/14/2025	0	0	0	796	965	1212.1	1212.100	7/13/2025
7/14/2025	7/15/2025	13,361	14,613	1,093	1,009	1,221	1209.1	1101.431	7/14/2025
7/15/2025	7/16/2025	3,871	4,235	1,089	977	1,181	1209.2	1113.144	7/15/2025
7/16/2025	7/17/2025	610	659	1082.3	1,117	1,345	1204.5	1161.337	7/16/2025
7/17/2025	7/18/2025	0	0	0	980	1,182	1206.5	1206.500	7/17/2025
7/18/2025	7/19/2025	0	0	0	903	1,091	1206.5	1206.500	7/18/2025
7/19/2025	7/20/2025	0	0	0	882	1,065	1206.6	1206.600	7/19/2025
7/20/2025	7/21/2025	0	0	0	904	1,090	1206.2	1206.200	7/20/2025
7/21/2025	7/22/2025	4,802	5,191	1,086	1,022	1,231	1204.6	1106.812	7/21/2025
7/22/2025	7/23/2025	4,067	4,396	1,087	1,220	1,475	1208.5	1114.652	7/22/2025
7/23/2025	7/24/2025	6,092	6,585	1,086	1,039	1,252	1205.4	1103.055	7/23/2025
7/24/2025	7/25/2025	15,568	16,829	1,087	951	1,149	1207.9	1093.772	7/24/2025
7/25/2025	7/26/2025	7,326	7,928	1,089	748	902	1205.8	1099.549	7/25/2025
7/26/2025	7/27/2025	7,199	7,782	1,092	715	862	1206.4	1101.881	7/26/2025
7/27/2025	7/28/2025	6,643	7,182	1,090	801	968	1208.4	1102.383	7/27/2025
7/28/2025	7/29/2025	14,283	15,440	1,091	948	1,145	1207.8	1098.551	7/28/2025
7/29/2025	7/30/2025	18,581	20,087	1,091	955	1,154	1208.6	1097.034	7/29/2025
7/30/2025	7/31/2025	1	1	1091.1	960	1,162	1210.2	1210.076	7/30/2025
7/31/2025	8/1/2025	0	0	0	978	1,180	1207.2	1207.200	7/31/2025
		201,375	218,342	736.6645	28,859	34,821	1206.5161	1140.4399	



Alliance Pipeline

DAILY ANALYSIS --- USA
 ND07MD1 --- Hankinson Sales
 July 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	1,154.160	0.6609	84.1944	10.0033	3.3759	0.3409	0.5915	0.0611	0.0511	0.0194	0.8990	0.4535	0.0099
2	1,153.897	0.6603	84.2041	10.0989	3.3403	0.3306	0.5743	0.0593	0.0482	0.0181	0.8770	0.4397	0.0095
3	1,154.656	0.6608	84.1468	10.1242	3.3541	0.3337	0.5844	0.0602	0.0492	0.0188	0.8800	0.4393	0.0095
4	1,153.548	0.6594	84.3999	9.9611	3.3216	0.3348	0.5762	0.0620	0.0518	0.0210	0.8418	0.4208	0.0090
5	1,154.866	0.6606	84.2511	10.0233	3.3495	0.3417	0.5891	0.0635	0.0543	0.0251	0.8649	0.4285	0.0090
6	1,153.456	0.6599	84.2966	10.0386	3.3115	0.3335	0.5716	0.0600	0.0513	0.0237	0.8679	0.4357	0.0097
7	1,153.622	0.6600	84.2738	10.0523	3.3071	0.3325	0.5757	0.0637	0.0516	0.0236	0.8780	0.4322	0.0094
8	1,154.047	0.6603	84.2098	10.1177	3.3071	0.3327	0.5731	0.0636	0.0523	0.0228	0.8853	0.4263	0.0092
9	1,155.429	0.6613	84.0703	10.1935	3.3502	0.3346	0.5862	0.0639	0.0516	0.0202	0.8881	0.4321	0.0092
10	1,153.571	0.6598	84.3014	10.0628	3.2962	0.3334	0.5731	0.0623	0.0520	0.0207	0.8516	0.4371	0.0095
11	1,154.096	0.6601	84.2946	10.0267	3.3224	0.3394	0.5837	0.0615	0.0531	0.0209	0.8637	0.4248	0.0092
12	1,153.592	0.6599	84.2677	10.0860	3.2932	0.3314	0.5788	0.0615	0.0508	0.0204	0.8775	0.4237	0.0092
13	1,153.581	0.6599	84.2391	10.1275	3.2849	0.3289	0.5723	0.0620	0.0511	0.0206	0.8870	0.4178	0.0088
14	1,153.843	0.6596	84.2659	10.1398	3.2857	0.3295	0.5695	0.0600	0.0501	0.0194	0.8626	0.4087	0.0088
15	1,151.617	0.6579	84.4672	10.0753	3.2130	0.3186	0.5495	0.0574	0.0479	0.0181	0.8322	0.4119	0.0088
16	1,149.385	0.6560	84.7564	9.9138	3.1467	0.3133	0.5395	0.0560	0.0469	0.0181	0.7916	0.4087	0.0090
17	1,151.019	0.6578	84.4601	10.0886	3.1997	0.3120	0.5430	0.0582	0.0471	0.0182	0.8465	0.4174	0.0091
18	1,152.594	0.6591	84.2654	10.1816	3.2615	0.3178	0.5464	0.0587	0.0477	0.0178	0.8754	0.4190	0.0088
19	1,153.404	0.6599	84.2039	10.1601	3.2981	0.3244	0.5635	0.0598	0.0482	0.0186	0.8908	0.4237	0.0088
20	1,154.460	0.6604	84.1867	10.1475	3.3135	0.3339	0.5763	0.0633	0.0514	0.0200	0.8818	0.4169	0.0087
21	1,154.278	0.6605	84.1204	10.2079	3.3103	0.3269	0.5701	0.0612	0.0499	0.0215	0.9074	0.4155	0.0090
22	1,154.972	0.6614	83.9507	10.3097	3.3422	0.3266	0.5674	0.0601	0.0491	0.0208	0.9354	0.4290	0.0090
23	1,155.882	0.6616	83.9591	10.2886	3.3748	0.3286	0.5756	0.0611	0.0488	0.0209	0.9166	0.4167	0.0091
24	1,154.882	0.6614	83.9543	10.2910	3.3646	0.3250	0.5633	0.0580	0.0468	0.0208	0.9400	0.4270	0.0092
25	1,153.944	0.6605	84.0822	10.2422	3.3222	0.3226	0.5607	0.0581	0.0465	0.0184	0.9146	0.4233	0.0092
26	1,152.882	0.6585	84.3161	10.2448	3.2206	0.3138	0.5352	0.0572	0.0484	0.0222	0.8355	0.3971	0.0090
27	1,152.115	0.6578	84.5280	10.0455	3.2060	0.3188	0.5528	0.0598	0.0507	0.0236	0.8020	0.4043	0.0085
28	1,151.758	0.6581	84.4324	10.1118	3.1940	0.3173	0.5566	0.0574	0.0482	0.0207	0.8434	0.4102	0.0080
29	1,151.126	0.6578	84.4420	10.1179	3.1949	0.3157	0.5392	0.0562	0.0464	0.0182	0.8503	0.4110	0.0081
30	1,151.657	0.6582	84.3794	10.1668	3.1959	0.3168	0.5449	0.0571	0.0467	0.0183	0.8556	0.4104	0.0082
31	1,152.526	0.6587	84.3590	10.1286	3.2346	0.3226	0.5550	0.0598	0.0484	0.0197	0.8465	0.4174	0.0083
Volume	1,153.387	0.6596	84.2660	10.1221	3.2872	0.3269	0.5658	0.0601	0.0496	0.0203	0.8710	0.4220	0.0090
Weight Avg Energy	1,153.389	0.6596	84.2657	10.1222	3.2873	0.3269	0.5658	0.0601	0.0496	0.0203	0.8710	0.4220	0.0090



Alliance Pipeline

DAILY ANALYSIS --- USA
 ND14MD1 --- Milnor Sales
 July 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	1,154.534	0.6611	84.1580	10.0372	3.3845	0.3404	0.5911	0.0609	0.0506	0.0190	0.8985	0.4500	0.0098
2	1,153.628	0.6601	84.2255	10.0945	3.3288	0.3297	0.5722	0.0592	0.0481	0.0180	0.8734	0.4412	0.0095
3	1,154.911	0.6610	84.1210	10.1331	3.3639	0.3343	0.5861	0.0605	0.0494	0.0189	0.8857	0.4376	0.0096
4	1,153.646	0.6593	84.4331	9.9348	3.3216	0.3371	0.5783	0.0625	0.0525	0.0217	0.8310	0.4184	0.0089
5	1,154.791	0.6607	84.2204	10.0529	3.3483	0.3395	0.5851	0.0628	0.0538	0.0250	0.8717	0.4315	0.0091
6	1,153.573	0.6600	84.2835	10.0433	3.3157	0.3337	0.5737	0.0602	0.0510	0.0235	0.8701	0.4358	0.0097
7	1,153.586	0.6600	84.2770	10.0545	3.3029	0.3325	0.5750	0.0639	0.0520	0.0236	0.8781	0.4311	0.0094
8	1,154.272	0.6604	84.1928	10.1285	3.3130	0.3330	0.5748	0.0636	0.0523	0.0226	0.8857	0.4246	0.0091
9	1,155.384	0.6613	84.0722	10.1886	3.3491	0.3349	0.5870	0.0641	0.0517	0.0202	0.8880	0.4348	0.0093
10	1,153.480	0.6597	84.3210	10.0355	3.2991	0.3350	0.5750	0.0621	0.0522	0.0209	0.8538	0.4360	0.0095
11	1,154.046	0.6600	84.3026	10.0278	3.3174	0.3390	0.5834	0.0614	0.0531	0.0209	0.8614	0.4237	0.0092
12	1,153.583	0.6599	84.2526	10.0997	3.2913	0.3308	0.5780	0.0613	0.0506	0.0205	0.8817	0.4244	0.0091
13	1,154.290	0.6603	84.1801	10.1598	3.3023	0.3316	0.5769	0.0627	0.0517	0.0206	0.8875	0.4181	0.0088
14	1,153.448	0.6592	84.3156	10.1183	3.2732	0.3279	0.5659	0.0596	0.0499	0.0193	0.8549	0.4066	0.0088
15	1,151.287	0.6577	84.4905	10.0660	3.2036	0.3176	0.5470	0.0569	0.0475	0.0180	0.8307	0.4134	0.0089
16	1,149.466	0.6560	84.7549	9.9160	3.1471	0.3135	0.5400	0.0562	0.0470	0.0183	0.7894	0.4085	0.0090
17	1,151.261	0.6580	84.4208	10.1125	3.2086	0.3122	0.5428	0.0583	0.0471	0.0180	0.8545	0.4163	0.0090
18	1,152.451	0.6591	84.2749	10.1684	3.2628	0.3174	0.5459	0.0585	0.0476	0.0179	0.8754	0.4223	0.0088
19	1,153.373	0.6599	84.2081	10.1498	3.2989	0.3252	0.5648	0.0601	0.0484	0.0186	0.8931	0.4242	0.0087
20	1,154.904	0.6606	84.1578	10.1597	3.3228	0.3354	0.5810	0.0640	0.0518	0.0206	0.8830	0.4150	0.0090
21	1,154.196	0.6605	84.1020	10.2200	3.3114	0.3260	0.5679	0.0609	0.0496	0.0212	0.9131	0.4190	0.0089
22	1,155.056	0.6614	83.9598	10.3095	3.3408	0.3264	0.5674	0.0605	0.0494	0.0209	0.9286	0.4276	0.0090
23	1,156.095	0.6618	83.9323	10.2990	3.3869	0.3289	0.5761	0.0607	0.0486	0.0208	0.9203	0.4173	0.0092
24	1,154.769	0.6613	83.9599	10.2910	3.3569	0.3251	0.5637	0.0582	0.0468	0.0208	0.9416	0.4266	0.0092
25	1,154.266	0.6607	84.0430	10.2738	3.3281	0.3227	0.5610	0.0579	0.0464	0.0185	0.9162	0.4232	0.0091
26	1,152.935	0.6586	84.3129	10.2418	3.2239	0.3140	0.5367	0.0571	0.0484	0.0223	0.8334	0.4003	0.0091
27	1,152.261	0.6581	84.4989	10.0337	3.2168	0.3215	0.5612	0.0605	0.0508	0.0233	0.8201	0.4050	0.0083
28	1,151.488	0.6579	84.4467	10.1241	3.1832	0.3150	0.5504	0.0569	0.0476	0.0200	0.8376	0.4107	0.0080
29	1,151.324	0.6579	84.4276	10.1281	3.1989	0.3166	0.5396	0.0563	0.0466	0.0184	0.8495	0.4102	0.0081
30	1,151.808	0.6583	84.3555	10.1840	3.1994	0.3168	0.5449	0.0572	0.0466	0.0183	0.8565	0.4127	0.0083
31	1,152.513	0.6587	84.3803	10.1083	3.2355	0.3229	0.5568	0.0602	0.0488	0.0200	0.8469	0.4124	0.0081
Volume	1,153.258	0.6595	84.2687	10.1367	3.2784	0.3251	0.5630	0.0597	0.0492	0.0201	0.8707	0.4195	0.0089
Weight Avg Energy	1,153.260	0.6595	84.2685	10.1368	3.2785	0.3252	0.5630	0.0597	0.0492	0.0201	0.8707	0.4195	0.0089

July-25

ZONE 610

Watford City

Watford City West Border

Watford City East Border

Weighted

Start Date	End Date	Watford City West Border			Watford City East Border			AVG BTU	
		MCF	DK	BTU Zone 25	MCF	DK	BTU Zone 43		
7/1/2025	7/2/2025	0	0	1209.1	108	114	1056.9	1056.900	7/1/2025
7/2/2025	7/3/2025	0	0	1209.1	86	90	1056.9	1056.900	7/2/2025
7/3/2025	7/4/2025	0	0	1209.1	84	89	1056.9	1056.900	7/3/2025
7/4/2025	7/5/2025	0	0	1209.1	100	105	1056.9	1056.900	7/4/2025
7/5/2025	7/6/2025	0	0	1209.1	101	107	1056.9	1056.900	7/5/2025
7/6/2025	7/7/2025	0	0	1209.1	114	121	1056.9	1056.900	7/6/2025
7/7/2025	7/8/2025	1	1	1209.1	129	136	1056.9	1058.071	7/7/2025
7/8/2025	7/9/2025	0	0	1209.1	107	113	1056.9	1056.900	7/8/2025
7/9/2025	7/10/2025	3	4	1209.1	99	105	1056.9	1061.376	7/9/2025
7/10/2025	7/11/2025	5	6	1209.1	125	132	1056.9	1062.754	7/10/2025
7/11/2025	7/12/2025	9	10	1209.1	127	134	1056.9	1066.972	7/11/2025
7/12/2025	7/13/2025	0	0	1209.1	99	105	1056.9	1056.900	7/12/2025
7/13/2025	7/14/2025	0	0	1209.1	102	107	1056.9	1056.900	7/13/2025
7/14/2025	7/15/2025	0	0	1209.1	121	127	1056.9	1056.900	7/14/2025
7/15/2025	7/16/2025	7	8	1209.1	183	193	1056.9	1062.507	7/15/2025
7/16/2025	7/17/2025	1	2	1209.1	157	166	1056.9	1057.863	7/16/2025
7/17/2025	7/18/2025	1	1	1209.1	127	134	1056.9	1058.089	7/17/2025
7/18/2025	7/19/2025	1	1	1209.1	112	118	1056.9	1058.247	7/18/2025
7/19/2025	7/20/2025	3	4	1209.1	119	125	1056.9	1060.643	7/19/2025
7/20/2025	7/21/2025	0	0	1209.1	156	165	1056.9	1056.900	7/20/2025
7/21/2025	7/22/2025	1	2	1209.1	107	113	1056.9	1058.309	7/21/2025
7/22/2025	7/23/2025	0	0	1209.1	120	127	1056.9	1056.900	7/22/2025
7/23/2025	7/24/2025	1	1	1209.1	128	135	1056.9	1058.080	7/23/2025
7/24/2025	7/25/2025	2	2	1209.1	127	134	1056.9	1059.260	7/24/2025
7/25/2025	7/26/2025	0	0	1209.1	91	97	1056.9	1056.900	7/25/2025
7/26/2025	7/27/2025	2	2	1209.1	96	101	1056.9	1060.006	7/26/2025
7/27/2025	7/28/2025	1	1	1209.1	84	88	1056.9	1058.691	7/27/2025
7/28/2025	7/29/2025	48	58	1209.1	70	74	1056.9	1118.812	7/28/2025
7/29/2025	7/30/2025	59	72	1209.1	60	64	1056.9	1132.361	7/29/2025
7/30/2025	7/31/2025	75	90	1209.1	72	76	1056.9	1134.553	7/30/2025
7/31/2025	8/1/2025	59	72	1209.1	94	100	1056.9	1115.592	7/31/2025
		279	337	1209.1000	3,405	3,595	1056.9000	1067.1576	

NORTH DAKOTA HEATING VALUE ZONES		
ZONES	MEASURING DEVICE	LOCATION
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	JUL25	JUN25	MAY25	APR25	MAR25	FEB25	JAN25	DEC24	NOV24	OCT24	SEP24	AUG24
MT/ND	211	Sidney Border - MonDak Tfr - Sidney Plt	1185	1186	1185	1181	1193	1186	1173	1183	1183	1184	1182	1191	1194
ND	24	Williston Border - Charbonneau Station	1189	1193	1191	1177	1194	1206	1197	1185	1182	1179	1187	1187	1185
ND	25	Watford City West Border	1197	1209	1202	1198	1198	1201	1206	1191	1193	1186	1194	1194	1197
ND	28	Bismarck Station - Glen Ullin Station	1169	1207	1205	1189	1172	1126	1116	1134	1136	1159	1171	1204	1203
ND	31	Dickinson Brd - Belfield Trf - G Ullin Stn	1123	1135	1110	1111	1110	1131	1129	1137	1139	1144	1111	1106	1111
ND/MT	32	Cabin Creek Station - Belfied Transfer	1132	1129	1136	1122	1135	1130	1133	1134	1130	1135	1139	1128	1135
ND	33	Little Knife Plant	1163	1160	1161	1163	1162	1162	1162	1164	1162	1163	1165	1162	1165
ND	34	Badlands Plant/Bowman Border	1077	1066	1065	1070	1067	1097	1097	1104	1104	1127	1110	1034	980
ND	43	Watford City East Border	1082	1057	1044	1040	1041	1041	1094	1107	1107	1110	1112	1112	1117
ND/MT	241	Fairview Border	1185	1194	1186	1186	1186	1191	1182	1183	1181	1180	1185	1183	1182
ND	267	North Tioga Transfer - Nesson Plant	1193	1188	1183	1185	1188	1197	1197	1194	1204	1191	1191	1195	1199
ND	261	Tioga Comp Station - Robinson Lake Plant	1203	1206	1198	1197	1198	1204	1209	1198	1209	1208	1208	1195	1200
ND	262	Minot Bdr - Palermo Bdr - Bismarck Stn	1205	1206	1204	1203	1200	1205	1210	1207	1209	1207	1210	1203	1201
ND	263	Lignite Plant	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131
ND	264	Epping Border	1185	1192	1180	1186	1186	1201	1202	1174	1174	1166	1183	1188	1182
ND	265	Tioga Comp Station - County Line Plant	1185	1204	1183	1180	1181	1184	1190	1191	1191	1180	1175	1179	1181
ND	266	County Line Plant	1187	1211	1186	1182	1182	1186	1193	1189	1192	1182	1177	1181	1183
ND	271	Bismarck Station - Cleveland Station	1197	1207	1205	1205	1201	1195	1158	1182	1190	1200	1212	1204	1203
ND	272	Cleveland Station - Mapleton	1196	1205	1204	1203	1200	1194	1157	1182	1190	1200	1211	1202	1202
ND	273	Cleveland Station - Grafton Border	1195	1205	1205	1202	1193	1194	1157	1182	1189	1199	1211	1202	1202
ND	274	Felton(Viking) - Kindred-Wahpeton	0	1054	1047	1049	1046	1047	1050	1050	1050	0	0	0	0
ND	550	Mandan Border / NBPL-St Anthony	1148	1140	1155	1175	1165	1105	1102	1120	1115	1156	1164	1198	1179
ND	610	MDU-Watford City BTU	1110	1067	1055	1086	1100	1096	1131	1133	1135	1139	1130	1115	1127
ND	802	NBPL - Linton	1090	1086	1077	1077	1076	1080	1085	1093	1093	1100	1099	1103	1108
ND	903	Hettinger Propane	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549
ND	600	Alliance Pipeline - Hankinson	1154	1153	1151	1154	1153	1150	1153	1155	1155	1155	1157	1159	1157
ND	601	Alliance Pipeline - Milnor	1154	1153	1151	1155	1153	1150	1153	1154	1155	1155	1157	1160	1157

THERMAL ZONE VARIANCE DOCUMENTATION		
July 2025		
<i>ZONE</i>	<i>BTU VARIANCE</i>	<i>REASON</i>
265	21	Operational
266	25	Operational