



A Subsidiary of MDU Resources Group, Inc.

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October 30, 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 – August 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 September 2025.
2. Attachment B consists of copies of the monthly Heating Value Test Reports received from our suppliers for the month of August 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 August 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
Sep-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	1.1656
MDU-318-BEACH	032	1.0443
MDU-319-BELFIELD	032	1.0519
MDU-323-BERTHOLD	262	1.1391
MDU-327-BISMARCK	028	1.1656
MDU-330-BOWMAN	034	0.9825
MDU-337-BURLINGTON	262	1.1636
MDU-343-CARRINGTON	273	1.1656
MDU-719-CASSELTON	272	1.1728
MDU-344-CLEVELAND	272	1.1564
MDU-364-CAVALIER	273	1.1872
MDU-365-DAWSON	271	1.1574
MDU-368-DES LACS	262	1.1473
MDU-369-DICKINSON	031	1.0643
MDU-374-FT TOTTEN	273	1.1738
MDU-375-DEVILS LAKE	273	1.1738
MDU-379-BARLOW	273	1.1656
MDU-384-EPPING	264	1.1268
MDU-387-ELDRIDGE	272	1.1646
MDU-407-GLADSTONE	031	1.0193
MDU-411-GLEN ULLIN	031	1.0267
MDU-413-GOLVA	032	1.0289
MDU-416-GARRISON	262	1.1473
MDU-417-GRAFTON	273	1.9840
MDU-403-GWINNER	601	1.1379
MDU-429-HEBRON	031	1.0267
MDU-432-HETTINGER	903	2.4049
MDU-449-JAMESTOWN	272	1.1728
MDU-459-KILLDEER	033	1.0966
MDU-751-KINDRED	272	1.0134
MDU-463-LANGDON	273	1.1656
MDU-469-LEFOR	031	1.0193
MDU-474-LIGNITE	263	1.0759
MDU-475-LINTON	802	1.0450
MDU-478-LINCOLN	028	1.1656
MDU-488-MCKENZIE	271	1.1656
MDU-494-MEDINA	271	1.1574
MDU-498-MANDAN	028	1.1656
MDU-500-MARMARTH	034	0.9897
MDU-505-MINOT	262	1.1391
MDU-510-MOTT	031	1.0193
MDU-512-MAX	262	1.1391
MDU-513-MILNOR	601	1.1379
MDU-522-NEW ENGLAND	031	1.0119
MDU-524-NEW SALEM	028	1.1410
MDU-532-NEW ROCKFORD	273	1.1656
MDU-539-PARK RIVER	273	1.1902

MDU-540-PALERMO	262	1.1391
MDU-558-RAY	264	1.1268
MDU-561-REGENT	031	1.0119
MDU-563-RHAME	034	0.9752
MDU-564-RICHARDTON	031	1.0119
MDU-568-ROSS	261	1.1309
MDU-572-RUTHVILLE	262	1.1636
MDU-574-SANBORN	272	1.1728
MDU-583-SENTINEL BUTTE	032	1.0443
MDU-588-SOUTH HEART	031	1.0119
MDU-717-SPIRITWOOD	272	1.1728
MDU-590-SPRINGBROOK	264	1.1268
MDU-591-STANLEY	261	1.1391
MDU-593-STEELE	271	1.1574
MDU-594-STERLING	028	1.1656
MDU-598-SHEYENNE	273	1.1738
MDU-605-SURREY	262	1.1636
MDU-610-TAPPEN	271	1.1574
MDU-611-TAYLOR	031	1.0119
MDU-616-TIOGA	260	1.0981
MDU-619-TURTLE LAKE	262	1.1473
MDU-620-TRENTON	024	1.1435
MDU-624-UNDERWOOD	262	1.1473
MDU-625-VALLEY CITY	272	1.1810
MDU-629-WALHALLA	273	1.1902
MDU-632-WATFORD CITY	610	1.0512
MDU-104-WAHPETON	247	1.0232
MDU-636-WHEELLOCK	264	1.1187
MDU-637-WHITE EARTH	261	1.1391
MDU-642-WILLISTON	024	1.1435
MDU-646-WASHBURN	262	1.1554
MDU-647-WILTON	262	1.1391
MDU-664-RIVERDALE	262	1.1473
MDU-691-FAIRVIEW	241	1.1406
MDU-712-MINOT AFB	262	1.1636
MDU-718-FAIRMOUNT	600	1.1356
MDU-732-NEKOMA	273	1.1656
MDU-732-MSR SITE	273	1.1656

Source Daily Summary

August 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	0.7231	1174.4	1195.2	1194.2	1.190	3.190	70.818	20.826	3.425	0.154	0.333	0.025	0.026	0.013	0.000	0.000	0.000	0.000	1405.60	
2	0.7207	1171.1	1191.9	1190.8	1.193	3.165	70.949	20.995	3.223	0.136	0.286	0.021	0.021	0.011	0.000	0.000	0.000	0.000	1403.94	
3	0.7191	1170.4	1191.1	1190.0	1.138	3.144	70.959	21.280	3.045	0.125	0.261	0.019	0.019	0.010	0.000	0.000	0.000	0.000	1404.63	
4	0.7186	1169.8	1190.6	1189.4	1.151	3.113	71.067	21.200	3.027	0.126	0.266	0.019	0.020	0.011	0.000	0.000	0.000	0.000	1404.43	
5	0.7184	1169.2	1189.9	1188.8	1.182	3.081	71.016	21.388	2.896	0.124	0.262	0.019	0.020	0.011	0.000	0.000	0.000	0.000	1403.93	
6	0.7156	1164.3	1184.9	1183.7	1.171	3.118	71.201	21.031	3.019	0.129	0.276	0.021	0.022	0.012	0.000	0.000	0.000	0.000	1400.75	
7	0.7197	1167.4	1188.0	1187.0	1.222	3.255	70.675	21.330	3.061	0.131	0.274	0.020	0.019	0.011	0.000	0.000	0.000	0.000	1400.36	
8	0.7238	1171.9	1192.6	1191.6	1.267	3.302	70.010	22.037	2.948	0.125	0.263	0.019	0.018	0.011	0.000	0.000	0.000	0.000	1401.83	
9	0.7203	1171.6	1192.4	1191.5	1.161	3.147	70.814	21.356	3.060	0.131	0.279	0.021	0.021	0.011	0.000	0.000	0.000	0.000	1404.93	
10	0.7207	1172.3	1193.1	1192.0	1.083	3.259	70.588	21.578	3.054	0.125	0.265	0.019	0.019	0.010	0.000	0.000	0.000	0.000	1405.38	
11	0.7210	1163.6	1184.2	1183.0	1.256	3.556	70.453	21.396	2.940	0.118	0.238	0.017	0.016	0.011	0.000	0.000	0.000	0.000	1394.66	
12	0.7235	1167.0	1187.7	1186.4	1.291	3.530	70.116	21.534	3.086	0.129	0.264	0.019	0.018	0.011	0.000	0.000	0.000	0.000	1396.30	
13	0.7239	1172.2	1192.9	1191.7	1.208	3.385	70.309	21.362	3.261	0.135	0.285	0.021	0.022	0.012	0.000	0.000	0.000	0.000	1402.02	
14	0.7212	1173.6	1194.3	1193.3	1.145	3.131	70.898	21.064	3.272	0.139	0.296	0.022	0.022	0.011	0.000	0.000	0.000	0.000	1406.41	
15	0.7202	1172.0	1192.7	1191.7	1.172	3.098	71.067	20.958	3.210	0.140	0.299	0.022	0.023	0.011	0.000	0.000	0.000	0.000	1405.43	
16	0.7210	1174.2	1195.0	1193.8	1.146	3.082	70.950	21.071	3.235	0.144	0.311	0.024	0.025	0.012	0.000	0.000	0.000	0.000	1407.25	
17	0.7229	1176.5	1197.3	1196.2	1.128	3.138	70.639	21.260	3.315	0.145	0.312	0.024	0.025	0.013	0.000	0.000	0.000	0.000	1408.21	
18	0.7222	1175.7	1196.5	1195.4	1.151	3.090	70.908	20.943	3.359	0.152	0.331	0.025	0.027	0.013	0.000	0.000	0.000	0.000	1407.94	
19	0.7194	1171.3	1192.0	1190.7	1.162	3.079	71.292	20.713	3.247	0.142	0.305	0.023	0.024	0.013	0.000	0.000	0.000	0.000	1405.39	
20	0.7194	1169.4	1190.1	1188.7	1.200	3.124	71.028	20.784	3.384	0.136	0.290	0.021	0.021	0.013	0.000	0.000	0.000	0.000	1403.12	
21	0.7220	1172.3	1193.0	1192.0	1.220	3.183	70.658	21.175	3.273	0.140	0.297	0.021	0.021	0.012	0.000	0.000	0.000	0.000	1404.05	
22	0.7249	1172.4	1193.2	1192.2	1.294	3.333	69.816	22.148	2.982	0.125	0.258	0.017	0.016	0.011	0.000	0.000	0.000	0.000	1401.39	
23	0.7262	1175.4	1196.2	1195.2	1.225	3.378	70.015	21.522	3.352	0.145	0.308	0.022	0.022	0.011	0.000	0.000	0.000	0.000	1403.63	
24	0.7279	1178.5	1199.4	1198.4	1.230	3.333	69.692	21.873	3.373	0.142	0.303	0.021	0.021	0.011	0.000	0.000	0.000	0.000	1405.79	
25	0.7273	1173.2	1193.9	1193.0	1.311	3.480	69.309	22.357	3.130	0.121	0.247	0.017	0.015	0.012	0.000	0.000	0.000	0.000	1400.02	
26	0.7264	1176.6	1197.4	1196.4	1.225	3.310	70.078	21.279	3.580	0.149	0.319	0.023	0.024	0.012	0.000	0.000	0.000	0.000	1404.97	
27	0.7260	1176.6	1197.5	1196.4	1.221	3.283	70.346	21.055	3.557	0.152	0.328	0.023	0.024	0.012	0.000	0.000	0.000	0.000	1405.37	
28	0.7247	1173.5	1194.3	1193.2	1.232	3.330	70.341	21.175	3.408	0.145	0.313	0.022	0.023	0.012	0.000	0.000	0.000	0.000	1402.97	
29	0.7246	1172.0	1192.8	1191.7	1.263	3.367	70.357	21.131	3.362	0.146	0.316	0.022	0.022	0.012	0.000	0.000	0.000	0.000	1401.21	
30	0.7255	1174.6	1195.4	1194.3	1.248	3.322	70.185	21.365	3.373	0.144	0.309	0.021	0.022	0.012	0.000	0.000	0.000	0.000	1403.41	
31	0.7259	1174.9	1195.7	1194.6	1.242	3.349	70.104	21.444	3.357	0.143	0.307	0.021	0.021	0.011	0.000	0.000	0.000	0.000	1403.37	
Avg	0.7225	1172.0	1192.9	1191.9	1.204	3.247	70.537	21.311	3.220	0.137	0.290	0.021	0.021	0.012	0.000	0.000	0.000	0.000	1403.51	

Source Daily Summary

August 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	0.7176	1180.1	1201.0	1200.3	1.049	2.536	72.311	19.786	3.698	0.171	0.384	0.029	0.033	0.004	0.000	0.000	0.000	0.000	1417.77	
2	0.7138	1176.4	1197.2	1196.5	1.044	2.417	72.437	20.326	3.265	0.142	0.315	0.024	0.027	0.003	0.000	0.000	0.000	0.000	1417.04	
3	0.7127	1175.4	1196.2	1195.5	1.018	2.421	72.405	20.566	3.116	0.132	0.292	0.022	0.025	0.002	0.000	0.000	0.000	0.000	1416.86	
4	0.7122	1174.3	1195.1	1194.4	1.013	2.437	72.502	20.476	3.097	0.132	0.293	0.022	0.026	0.002	0.000	0.000	0.000	0.000	1416.18	
5	0.7090	1170.2	1191.0	1190.3	1.022	2.375	72.735	20.670	2.776	0.117	0.260	0.020	0.023	0.002	0.000	0.000	0.000	0.000	1414.43	
6	0.7135	1175.8	1196.6	1195.8	1.038	2.438	72.415	20.407	3.192	0.140	0.314	0.024	0.028	0.003	0.000	0.000	0.000	0.000	1416.58	
7	0.7170	1179.5	1200.4	1199.6	1.049	2.518	71.836	20.766	3.325	0.141	0.311	0.024	0.027	0.003	0.000	0.000	0.000	0.000	1417.65	
8	0.7160	1177.7	1198.6	1197.8	1.054	2.526	71.982	20.656	3.279	0.141	0.310	0.023	0.026	0.003	0.000	0.000	0.000	0.000	1416.50	
9	0.7194	1182.6	1203.5	1202.8	1.052	2.556	71.378	21.140	3.363	0.143	0.315	0.023	0.026	0.003	0.000	0.000	0.000	0.000	1418.93	
10	0.7245	1187.2	1208.2	1207.3	1.062	2.734	70.816	21.103	3.706	0.159	0.359	0.027	0.031	0.004	0.000	0.000	0.000	0.000	1419.46	
11	0.7271	1187.2	1208.2	1207.2	1.080	2.948	70.248	21.426	3.747	0.151	0.342	0.025	0.028	0.003	0.000	0.000	0.000	0.000	1416.99	
12	0.7292	1191.0	1212.1	1211.0	1.080	2.917	69.873	21.783	3.794	0.152	0.344	0.025	0.029	0.003	0.000	0.000	0.000	0.000	1419.42	
13	0.7198	1181.2	1202.1	1201.2	1.054	2.673	71.697	20.391	3.591	0.160	0.364	0.029	0.035	0.007	0.000	0.000	0.000	0.000	1416.84	
14	0.7158	1178.5	1199.4	1198.7	1.041	2.477	72.109	20.516	3.347	0.143	0.313	0.023	0.027	0.003	0.000	0.000	0.000	0.000	1417.63	
15	0.7129	1174.4	1195.2	1194.5	1.030	2.477	72.559	20.188	3.242	0.140	0.309	0.023	0.027	0.003	0.000	0.000	0.000	0.000	1415.50	
16	0.7168	1179.2	1200.0	1199.4	1.049	2.520	71.998	20.507	3.394	0.148	0.327	0.026	0.029	0.003	0.000	0.000	0.000	0.000	1417.42	
17	0.7196	1182.5	1203.4	1202.7	1.068	2.552	71.583	20.748	3.496	0.153	0.338	0.028	0.031	0.002	0.000	0.000	0.000	0.000	1418.65	
18	0.7186	1181.7	1202.6	1201.8	1.043	2.539	71.859	20.447	3.537	0.158	0.355	0.027	0.031	0.003	0.000	0.000	0.000	0.000	1418.72	
19	0.7114	1173.1	1193.9	1193.1	1.034	2.403	72.922	19.903	3.202	0.146	0.330	0.026	0.031	0.003	0.000	0.000	0.000	0.000	1415.52	
20	0.7120	1171.6	1192.3	1191.5	1.051	2.525	73.143	19.269	3.412	0.162	0.373	0.029	0.033	0.003	0.000	0.000	0.000	0.000	1413.05	
21	0.7164	1177.0	1197.9	1197.2	1.075	2.573	72.223	20.088	3.491	0.152	0.341	0.025	0.028	0.003	0.000	0.000	0.000	0.000	1415.23	
22	0.7248	1183.4	1204.4	1203.6	1.103	2.931	71.157	20.175	4.000	0.175	0.398	0.027	0.030	0.004	0.000	0.000	0.000	0.000	1414.62	
23	0.7261	1183.8	1204.7	1203.9	1.105	3.028	70.957	20.197	4.078	0.176	0.399	0.027	0.030	0.004	0.000	0.000	0.000	0.000	1413.77	
24	0.7271	1186.0	1207.0	1206.2	1.102	2.989	70.678	20.576	4.036	0.171	0.388	0.026	0.029	0.004	0.000	0.000	0.000	0.000	1415.50	
25	0.7252	1184.7	1205.7	1205.0	1.091	2.905	71.108	20.234	4.019	0.177	0.402	0.028	0.031	0.004	0.000	0.000	0.000	0.000	1415.79	
26	0.7239	1183.7	1204.6	1203.9	1.090	2.845	71.520	19.799	4.058	0.187	0.429	0.031	0.035	0.005	0.000	0.000	0.000	0.000	1415.83	
27	0.7238	1185.1	1206.1	1205.3	1.083	2.762	71.492	19.957	4.027	0.185	0.423	0.030	0.035	0.005	0.000	0.000	0.000	0.000	1417.64	
28	0.7269	1187.7	1208.7	1207.9	1.091	2.877	71.142	19.961	4.202	0.196	0.452	0.033	0.038	0.006	0.000	0.000	0.000	0.000	1417.71	
29	0.7255	1186.7	1207.8	1207.0	1.088	2.814	71.342	19.895	4.145	0.195	0.446	0.033	0.037	0.006	0.000	0.000	0.000	0.000	1417.91	
30	0.7259	1186.8	1207.8	1207.0	1.086	2.847	71.282	19.905	4.166	0.194	0.445	0.032	0.037	0.006	0.000	0.000	0.000	0.000	1417.60	
31	0.7272	1187.8	1208.9	1208.1	1.088	2.904	71.098	19.949	4.232	0.197	0.455	0.033	0.038	0.006	0.000	0.000	0.000	0.000	1417.58	
Avg	0.7197	1181.0	1202.0	1201.2	1.063	2.660	71.704	20.381	3.614	0.159	0.359	0.027	0.030	0.004	0.000	0.000	0.000	0.000	1416.78	

Source Daily Summary

August 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	0.6925	1148.7	1169.1	1168.6	1.005	2.177	74.725	20.060	1.808	0.063	0.136	0.011	0.012	0.002	0.000	0.000	0.000	0.000	1404.84	-16.32
2	0.6923	1147.6	1167.9	1167.5	1.014	2.213	74.777	19.962	1.810	0.063	0.136	0.011	0.013	0.002	0.000	0.000	0.000	0.000	1403.62	-16.50
3	0.6922	1147.4	1167.7	1167.2	0.999	2.247	74.782	19.901	1.845	0.063	0.138	0.011	0.013	0.002	0.000	0.000	0.000	0.000	1403.46	-16.32
4	0.6914	1145.1	1165.4	1164.9	0.997	2.298	75.011	19.600	1.861	0.064	0.142	0.011	0.013	0.002	0.000	0.000	0.000	0.000	1401.54	-16.70
5	0.7263	1173.2	1194.0	1185.4	1.015	3.830	70.132	20.800	3.677	0.141	0.343	0.025	0.029	0.007	0.000	0.000	0.000	0.000	1401.31	13.51
6	0.7031	1147.6	1167.9	1167.4	0.950	3.314	73.631	18.956	2.769	0.102	0.235	0.018	0.021	0.005	0.000	0.000	0.000	0.000	1393.03	-8.33
7	0.6898	1143.1	1163.4	1162.9	0.971	2.309	75.337	19.268	1.872	0.067	0.145	0.013	0.015	0.003	0.000	0.000	0.000	0.000	1400.74	-16.98
8	0.6907	1145.4	1165.6	1165.2	1.017	2.187	75.113	19.662	1.792	0.064	0.137	0.012	0.014	0.003	0.000	0.000	0.000	0.000	1402.56	-17.07
9	0.6915	1146.9	1167.2	1166.7	1.025	2.162	74.894	19.987	1.679	0.070	0.153	0.013	0.015	0.003	0.000	0.000	0.000	0.000	1403.57	-16.67
10	0.6956	1153.5	1173.9	1173.5	1.024	2.141	74.553	19.927	2.037	0.088	0.192	0.015	0.018	0.004	0.000	0.000	0.000	0.000	1407.52	-12.28
11	0.6967	1153.7	1174.1	1173.6	1.012	2.255	74.233	20.186	2.014	0.083	0.181	0.015	0.017	0.004	0.000	0.000	0.000	0.000	1406.59	-12.43
12	0.7040	1160.1	1180.6	1180.1	1.018	2.538	73.131	20.613	2.372	0.091	0.201	0.015	0.018	0.004	0.000	0.000	0.000	0.000	1407.11	-8.31
13	0.7027	1155.8	1176.3	1175.8	1.009	2.699	73.370	20.177	2.418	0.090	0.200	0.016	0.018	0.004	0.000	0.000	0.000	0.000	1403.33	-9.11
14	0.6908	1145.5	1165.8	1165.3	0.980	2.251	75.232	19.342	1.945	0.070	0.151	0.012	0.014	0.003	0.000	0.000	0.000	0.000	1402.55	-16.09
15	0.6847	1135.2	1155.3	1154.9	0.959	2.328	76.391	18.188	1.884	0.069	0.151	0.012	0.014	0.003	0.000	0.000	0.000	0.000	1396.21	-18.95
16	0.6874	1141.2	1161.4	1161.0	1.023	2.121	75.811	19.024	1.786	0.065	0.141	0.012	0.014	0.003	0.000	0.000	0.000	0.000	1400.83	-18.22
17	0.6875	1142.2	1162.5	1162.0	1.025	2.067	75.873	18.952	1.831	0.069	0.150	0.013	0.015	0.003	0.000	0.000	0.000	0.000	1401.94	-17.51
18	0.6889	1143.2	1163.4	1163.0	1.020	2.142	75.568	19.202	1.821	0.069	0.147	0.013	0.015	0.003	0.000	0.000	0.000	0.000	1401.76	-17.27
19	0.7251	1164.6	1185.2	1184.8	1.005	4.267	70.220	20.227	3.818	0.123	0.292	0.020	0.023	0.005	0.000	0.000	0.000	0.000	1392.42	1.94
20	0.6951	1146.8	1167.1	1166.6	0.994	2.545	74.742	19.158	2.274	0.079	0.174	0.014	0.017	0.004	0.000	0.000	0.000	0.000	1400.06	-13.34
21	0.6884	1142.8	1163.0	1162.5	1.002	2.150	75.661	19.097	1.847	0.067	0.145	0.012	0.015	0.003	0.000	0.000	0.000	0.000	1401.73	-17.39
22	0.6947	1152.5	1172.9	1172.4	1.001	2.145	75.183	18.902	2.409	0.101	0.217	0.017	0.020	0.004	0.000	0.000	0.000	0.000	1407.24	-10.57
23	0.7019	1161.4	1182.0	1181.5	1.032	2.234	74.192	19.365	2.757	0.118	0.255	0.020	0.023	0.005	0.000	0.000	0.000	0.000	1410.81	-5.53
24	0.6950	1152.6	1173.1	1172.6	0.993	2.172	75.369	18.481	2.591	0.110	0.237	0.019	0.022	0.005	0.000	0.000	0.000	0.000	1407.15	-8.87
25	0.6923	1149.0	1169.3	1168.9	0.974	2.176	75.543	18.619	2.342	0.097	0.208	0.017	0.019	0.005	0.000	0.000	0.000	0.000	1405.39	-11.73
26	0.6938	1152.9	1173.4	1172.9	0.975	2.081	74.942	19.569	2.131	0.085	0.181	0.015	0.017	0.004	0.000	0.000	0.000	0.000	1408.65	-12.71
27	0.6940	1152.3	1172.7	1172.2	0.976	2.142	74.710	19.883	2.019	0.076	0.163	0.013	0.015	0.003	0.000	0.000	0.000	0.000	1407.63	-13.78
28	0.6962	1154.1	1174.6	1174.1	0.972	2.237	74.521	19.750	2.210	0.086	0.187	0.015	0.017	0.004	0.000	0.000	0.000	0.000	1407.70	-11.58
29	0.6977	1156.4	1176.9	1176.4	0.971	2.243	74.283	19.924	2.260	0.089	0.193	0.015	0.018	0.004	0.000	0.000	0.000	0.000	1408.91	-10.70
30	0.6979	1155.9	1176.3	1175.9	0.979	2.277	74.129	20.134	2.182	0.083	0.180	0.014	0.017	0.004	0.000	0.000	0.000	0.000	1408.13	-11.36
31	0.6987	1157.9	1178.4	1177.9	0.977	2.242	74.047	20.158	2.261	0.088	0.190	0.015	0.017	0.004	0.000	0.000	0.000	0.000	1409.80	-10.34
Avg	0.6961	1151.0	1171.2	1170.4	0.997	2.393	74.520	19.583	2.204	0.084	0.184	0.015	0.017	0.004	0.000	0.000	0.000	0.000	1403.81	-12.18

Source Daily Summary

August 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	0.7583	1188.9	1209.9	1209.3	0.985	5.917	65.755	20.797	5.825	0.186	0.459	0.031	0.036	0.009	0.000	0.000	0.000	0.000	1389.44	
2	0.7589	1190.1	1211.2	1210.6	0.984	5.893	65.713	20.815	5.858	0.189	0.468	0.032	0.037	0.010	0.000	0.000	0.000	0.000	1390.40	
3	0.7596	1190.6	1211.7	1211.1	0.987	5.925	65.590	20.873	5.894	0.186	0.467	0.032	0.036	0.009	0.000	0.000	0.000	0.000	1390.32	
4	0.7589	1190.0	1211.1	1210.4	0.988	5.895	65.682	20.859	5.853	0.185	0.462	0.032	0.036	0.009	0.000	0.000	0.000	0.000	1390.25	
5	0.7532	1187.8	1208.9	1208.2	0.990	5.492	66.364	21.291	5.018	0.206	0.537	0.041	0.049	0.012	0.000	0.000	0.000	0.000	1392.92	
6	0.7340	1163.7	1184.3	1183.6	0.910	5.282	69.390	19.136	4.655	0.164	0.394	0.028	0.032	0.009	0.000	0.000	0.000	0.000	1382.42	
7	0.7564	1185.6	1206.6	1206.0	0.984	5.935	66.108	20.478	5.765	0.191	0.461	0.033	0.037	0.009	0.000	0.000	0.000	0.000	1387.42	
8	0.7577	1188.1	1209.2	1208.6	0.981	5.915	65.894	20.656	5.818	0.191	0.465	0.032	0.037	0.010	0.000	0.000	0.000	0.000	1389.07	
9	0.7587	1190.3	1211.4	1210.8	0.989	5.863	65.705	20.875	5.848	0.184	0.458	0.031	0.036	0.009	0.000	0.000	0.000	0.000	1390.70	
10	0.7581	1188.4	1209.5	1208.9	0.992	5.909	65.757	20.831	5.809	0.181	0.448	0.030	0.034	0.009	0.000	0.000	0.000	0.000	1389.16	
11	0.7569	1185.6	1206.6	1206.0	0.991	5.973	65.986	20.554	5.778	0.186	0.458	0.031	0.035	0.009	0.000	0.000	0.000	0.000	1386.94	
12	0.7571	1186.0	1207.0	1206.4	0.985	5.980	65.945	20.585	5.782	0.189	0.458	0.031	0.036	0.009	0.000	0.000	0.000	0.000	1387.17	
13	0.7579	1187.9	1209.0	1208.2	0.986	5.936	65.851	20.677	5.820	0.191	0.463	0.032	0.036	0.009	0.000	0.000	0.000	0.000	1388.68	
14	0.7579	1187.3	1208.3	1207.7	0.983	5.976	66.008	20.385	5.864	0.202	0.496	0.035	0.040	0.011	0.000	0.000	0.000	0.000	1387.96	
15	0.7557	1183.4	1204.3	1203.7	0.990	6.003	66.103	20.507	5.693	0.184	0.449	0.029	0.033	0.008	0.000	0.000	0.000	0.000	1385.36	
16	0.7581	1187.3	1208.3	1207.6	0.989	5.993	65.736	20.763	5.813	0.183	0.450	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1387.72	
17	0.7574	1185.6	1206.6	1205.9	0.986	6.031	65.842	20.646	5.794	0.182	0.447	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1386.43	
18	0.7592	1189.5	1210.5	1209.8	0.989	5.958	65.535	20.977	5.851	0.178	0.436	0.031	0.035	0.009	0.000	0.000	0.000	0.000	1389.31	
19	0.7568	1184.0	1205.0	1204.1	0.984	6.074	66.105	20.268	5.810	0.199	0.477	0.033	0.040	0.010	0.000	0.000	0.000	0.000	1385.11	
20	0.7544	1179.5	1200.4	1199.4	0.980	6.133	66.631	19.673	5.788	0.203	0.503	0.036	0.042	0.011	0.000	0.000	0.000	0.000	1381.99	
21	0.7562	1182.3	1203.3	1202.6	0.987	6.114	66.150	20.237	5.773	0.191	0.469	0.032	0.037	0.010	0.000	0.000	0.000	0.000	1383.71	
22	0.7551	1183.6	1204.6	1204.1	0.984	5.933	66.773	19.586	5.839	0.224	0.561	0.040	0.047	0.012	0.000	0.000	0.000	0.000	1386.23	
23	0.7555	1183.0	1203.9	1203.5	0.991	6.004	66.210	20.364	5.708	0.189	0.460	0.031	0.035	0.010	0.000	0.000	0.000	0.000	1385.11	
24	0.7552	1182.6	1203.5	1203.1	1.004	5.979	66.156	20.515	5.661	0.181	0.437	0.028	0.032	0.008	0.000	0.000	0.000	0.000	1384.95	
25	0.7553	1182.1	1203.1	1202.5	1.009	6.007	66.216	20.374	5.681	0.187	0.454	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1384.33	
26	0.7553	1182.4	1203.3	1202.7	1.008	5.993	66.140	20.520	5.650	0.181	0.439	0.029	0.032	0.008	0.000	0.000	0.000	0.000	1384.57	
27	0.7556	1182.6	1203.6	1202.9	1.010	6.006	66.112	20.497	5.680	0.182	0.443	0.029	0.033	0.008	0.000	0.000	0.000	0.000	1384.62	
28	0.7571	1185.7	1206.7	1206.0	0.998	5.978	65.930	20.609	5.772	0.186	0.454	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1386.82	
29	0.7574	1185.2	1206.1	1205.4	0.992	6.043	66.198	20.076	5.867	0.210	0.522	0.037	0.043	0.012	0.000	0.000	0.000	0.000	1385.93	
30	0.7555	1183.0	1203.9	1203.2	0.993	5.995	66.254	20.313	5.706	0.190	0.467	0.033	0.038	0.010	0.000	0.000	0.000	0.000	1385.16	
31	0.7571	1185.3	1206.2	1205.6	0.999	6.007	65.838	20.726	5.746	0.178	0.434	0.030	0.034	0.009	0.000	0.000	0.000	0.000	1386.27	
Avg	0.7561	1185.0	1206.1	1205.4	0.988	5.940	66.119	20.499	5.723	0.189	0.464	0.032	0.037	0.009	0.000	0.000	0.000	0.000	1386.98	

Source Daily Summary

August 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	0.7587	1186.7	1207.7	1207.2	1.007	6.048	65.687	20.695	5.850	0.187	0.453	0.031	0.035	0.006	0.000	0.000	0.000	0.000	1386.59	
2	0.7601	1189.7	1210.8	1210.2	1.006	6.005	65.534	20.776	5.947	0.192	0.466	0.032	0.036	0.007	0.000	0.000	0.000	0.000	1388.75	
3	0.7598	1188.8	1209.8	1209.3	1.009	6.031	65.542	20.779	5.913	0.190	0.462	0.032	0.037	0.006	0.000	0.000	0.000	0.000	1387.89	
4	0.7597	1188.6	1209.6	1209.1	1.008	6.028	65.557	20.778	5.911	0.188	0.457	0.031	0.036	0.006	0.000	0.000	0.000	0.000	1387.85	
5	0.7582	1185.9	1206.9	1206.3	1.009	6.054	65.734	20.683	5.815	0.184	0.449	0.031	0.036	0.006	0.000	0.000	0.000	0.000	1386.02	
6	0.7570	1183.2	1204.1	1203.6	1.008	6.105	65.781	20.711	5.746	0.175	0.416	0.026	0.030	0.003	0.000	0.000	0.000	0.000	1384.01	
7	0.7570	1182.1	1203.0	1202.5	1.001	6.185	66.013	20.211	5.876	0.191	0.458	0.030	0.032	0.003	0.000	0.000	0.000	0.000	1382.65	
8	0.7576	1184.9	1205.9	1205.4	1.005	6.062	65.891	20.495	5.822	0.191	0.461	0.032	0.036	0.006	0.000	0.000	0.000	0.000	1385.46	
9	0.7588	1188.1	1209.1	1208.6	1.008	5.981	65.723	20.682	5.877	0.191	0.463	0.032	0.036	0.007	0.000	0.000	0.000	0.000	1387.99	
10	0.7584	1186.8	1207.8	1207.2	1.011	6.017	65.711	20.723	5.834	0.185	0.448	0.031	0.035	0.006	0.000	0.000	0.000	0.000	1386.88	
11	0.7568	1183.4	1204.3	1203.8	1.010	6.072	66.008	20.408	5.786	0.189	0.456	0.031	0.035	0.006	0.000	0.000	0.000	0.000	1384.38	
12	0.7573	1183.7	1204.7	1204.1	1.008	6.098	65.930	20.445	5.796	0.191	0.459	0.031	0.035	0.007	0.000	0.000	0.000	0.000	1384.37	
13	0.7580	1185.4	1206.4	1205.8	1.008	6.069	65.825	20.538	5.833	0.192	0.463	0.031	0.036	0.006	0.000	0.000	0.000	0.000	1385.60	
14	0.7585	1185.9	1206.9	1206.4	1.006	6.083	65.941	20.267	5.910	0.206	0.504	0.035	0.041	0.007	0.000	0.000	0.000	0.000	1385.78	
15	0.7566	1182.3	1203.2	1202.7	1.011	6.115	66.007	20.403	5.753	0.189	0.451	0.030	0.034	0.007	0.000	0.000	0.000	0.000	1383.32	
16	0.7591	1186.9	1207.9	1207.3	1.010	6.079	65.602	20.722	5.878	0.187	0.451	0.030	0.034	0.006	0.000	0.000	0.000	0.000	1386.34	
17	0.7608	1189.8	1210.9	1210.4	1.009	6.059	65.376	20.864	5.976	0.189	0.457	0.031	0.034	0.006	0.000	0.000	0.000	0.000	1388.26	
18	0.7608	1190.0	1211.0	1210.5	1.011	6.043	65.315	20.998	5.938	0.183	0.444	0.031	0.035	0.004	0.000	0.000	0.000	0.000	1388.45	
19	0.7574	1183.4	1204.4	1203.8	1.010	6.125	65.921	20.400	5.821	0.190	0.458	0.032	0.037	0.004	0.000	0.000	0.000	0.000	1383.89	
20	0.7554	1178.3	1199.2	1198.5	1.004	6.255	66.382	19.790	5.801	0.201	0.488	0.034	0.040	0.004	0.000	0.000	0.000	0.000	1379.74	
21	0.7564	1183.1	1204.1	1203.5	0.999	6.067	66.337	19.935	5.856	0.211	0.512	0.035	0.040	0.007	0.000	0.000	0.000	0.000	1384.42	
22	0.7567	1182.8	1203.8	1203.2	1.000	6.112	66.110	20.225	5.796	0.199	0.479	0.033	0.038	0.008	0.000	0.000	0.000	0.000	1383.81	
23	0.7567	1182.4	1203.4	1202.8	1.025	6.093	65.979	20.450	5.752	0.187	0.445	0.029	0.032	0.007	0.000	0.000	0.000	0.000	1383.42	
24	0.7568	1182.1	1203.0	1202.5	1.032	6.117	65.988	20.394	5.754	0.190	0.455	0.030	0.033	0.007	0.000	0.000	0.000	0.000	1382.89	
25	0.7571	1179.4	1200.3	1199.7	1.027	6.315	65.842	20.389	5.724	0.186	0.446	0.029	0.033	0.009	0.000	0.000	0.000	0.000	1379.50	
26	0.7573	1183.1	1204.1	1203.5	1.017	6.122	65.864	20.516	5.784	0.186	0.445	0.029	0.032	0.005	0.000	0.000	0.000	0.000	1383.66	
27	0.7593	1186.5	1207.5	1206.9	1.019	6.099	65.756	20.441	5.912	0.203	0.492	0.034	0.038	0.007	0.000	0.000	0.000	0.000	1385.79	
28	0.7570	1183.2	1204.1	1203.6	1.014	6.097	66.050	20.289	5.802	0.196	0.475	0.033	0.037	0.007	0.000	0.000	0.000	0.000	1383.97	
29	0.7573	1183.3	1204.3	1203.7	1.018	6.116	65.933	20.410	5.794	0.192	0.463	0.032	0.036	0.007	0.000	0.000	0.000	0.000	1383.80	
30	0.7594	1186.5	1207.5	1206.9	1.021	6.112	65.528	20.767	5.874	0.184	0.444	0.030	0.034	0.006	0.000	0.000	0.000	0.000	1385.63	
31	0.7580	1184.3	1205.3	1204.7	1.025	6.108	65.705	20.682	5.796	0.180	0.435	0.029	0.033	0.005	0.000	0.000	0.000	0.000	1384.37	
Avg	0.7580	1185.0	1205.8	1205.3	1.011	6.093	65.825	20.512	5.836	0.190	0.460	0.031	0.035	0.006	0.000	0.000	0.000	0.000	1385.02	

Gas Composition and Properties

Effective October 1, 2021

Attachment B
Page 8 of 25

Source #: 2501030
Name: LIGNITE PLANT

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

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

Sample

Date: 10/01/2021 Type:

Tech: Wayne Sampson

Pressure: Temp.:

Gauge: H2O:

Atm. Pressure: H2S:

Remarks:

Analysis

Date: Instrument:

Tech: Cylinder:

Remarks:

Source Daily Summary

August 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	0.7344	1182.7	1203.7	1203.2	1.055	3.950	69.235	21.021	3.995	0.190	0.465	0.035	0.042	0.011	0.000	0.000	0.000	0.000	1404.50	
2	0.7358	1183.3	1204.2	1203.7	1.063	4.034	68.988	21.160	3.990	0.195	0.480	0.036	0.043	0.011	0.000	0.000	0.000	0.000	1403.84	
3	0.7341	1182.6	1203.6	1203.1	1.060	3.915	69.281	21.058	3.925	0.191	0.481	0.036	0.043	0.010	0.000	0.000	0.000	0.000	1404.74	
4	0.7336	1183.8	1204.8	1204.3	1.052	3.807	69.449	20.922	4.039	0.187	0.462	0.034	0.040	0.009	0.000	0.000	0.000	0.000	1406.62	
5	0.7372	1188.5	1209.5	1201.0	1.038	3.887	68.899	21.220	4.189	0.195	0.481	0.036	0.043	0.011	0.000	0.000	0.000	0.000	1408.64	
6	0.7318	1178.0	1198.9	1198.4	1.045	4.002	69.402	21.115	3.747	0.179	0.428	0.033	0.039	0.010	0.000	0.000	0.000	0.000	1401.48	
7	0.7323	1182.2	1203.1	1202.6	1.050	3.793	69.502	21.032	3.939	0.178	0.424	0.033	0.040	0.009	0.000	0.000	0.000	0.000	1405.91	
8	0.7368	1170.4	1191.1	1190.6	1.071	4.907	68.363	21.115	3.846	0.181	0.438	0.033	0.038	0.009	0.000	0.000	0.000	0.000	1387.65	
9	0.7330	1174.4	1195.2	1194.7	1.087	4.274	69.103	21.117	3.761	0.168	0.415	0.030	0.036	0.010	0.000	0.000	0.000	0.000	1396.02	
10	0.7322	1174.2	1195.0	1194.4	1.094	4.207	69.237	21.065	3.750	0.164	0.407	0.030	0.036	0.009	0.000	0.000	0.000	0.000	1396.47	
11	0.7305	1170.7	1191.4	1190.9	1.100	4.246	69.519	20.840	3.625	0.167	0.420	0.033	0.039	0.009	0.000	0.000	0.000	0.000	1393.97	
12	0.7342	1179.7	1200.6	1200.1	1.084	4.069	69.059	21.225	3.874	0.178	0.431	0.032	0.039	0.010	0.000	0.000	0.000	0.000	1401.16	
13	0.7338	1180.6	1201.5	1201.0	1.078	3.985	69.158	21.232	3.834	0.183	0.449	0.033	0.039	0.009	0.000	0.000	0.000	0.000	1402.59	
14	0.7325	1181.4	1202.3	1201.8	1.076	3.822	69.357	21.276	3.761	0.180	0.442	0.034	0.041	0.010	0.000	0.000	0.000	0.000	1404.74	
15	0.7316	1179.9	1200.8	1200.3	1.065	3.839	69.376	21.372	3.671	0.173	0.425	0.032	0.038	0.009	0.000	0.000	0.000	0.000	1403.94	
16	0.7294	1173.7	1194.4	1193.9	1.068	4.007	69.811	20.746	3.708	0.168	0.414	0.031	0.038	0.009	0.000	0.000	0.000	0.000	1398.61	
17	0.7295	1177.2	1198.1	1197.6	1.049	3.839	69.535	21.417	3.534	0.162	0.391	0.029	0.035	0.009	0.000	0.000	0.000	0.000	1402.65	
18	0.7305	1177.1	1197.9	1197.4	1.046	3.932	69.630	21.010	3.700	0.177	0.427	0.032	0.037	0.009	0.000	0.000	0.000	0.000	1401.60	
19	0.7330	1179.4	1200.3	1199.8	1.041	4.045	69.377	20.920	3.865	0.189	0.471	0.037	0.045	0.010	0.000	0.000	0.000	0.000	1401.90	
20	0.7380	1191.0	1212.1	1211.6	1.021	3.830	69.115	20.718	4.530	0.203	0.489	0.037	0.045	0.011	0.000	0.000	0.000	0.000	1410.87	
21	0.7364	1187.9	1208.9	1208.4	1.015	3.869	69.358	20.585	4.357	0.206	0.506	0.041	0.050	0.013	0.000	0.000	0.000	0.000	1408.76	
22	0.7317	1179.5	1200.4	1199.8	1.038	3.912	69.416	21.199	3.760	0.173	0.420	0.032	0.039	0.011	0.000	0.000	0.000	0.000	1403.35	
23	0.7314	1175.5	1196.3	1195.8	1.038	4.125	69.687	20.480	3.979	0.179	0.433	0.032	0.038	0.009	0.000	0.000	0.000	0.000	1398.89	
24	0.7365	1188.2	1209.2	1208.7	1.037	3.841	68.854	21.428	4.143	0.183	0.439	0.031	0.036	0.009	0.000	0.000	0.000	0.000	1408.99	
25	0.7351	1186.3	1207.3	1206.8	1.044	3.805	68.992	21.490	3.974	0.179	0.437	0.032	0.038	0.009	0.000	0.000	0.000	0.000	1408.20	
26	0.7282	1174.1	1194.9	1194.4	1.027	3.941	69.678	21.247	3.508	0.155	0.373	0.028	0.034	0.008	0.000	0.000	0.000	0.000	1400.17	
27	0.7336	1185.1	1206.0	1205.5	1.047	3.737	69.281	21.303	3.937	0.178	0.434	0.033	0.040	0.010	0.000	0.000	0.000	0.000	1408.13	
28	0.7344	1186.7	1207.7	1207.2	1.043	3.717	69.249	21.268	3.997	0.184	0.451	0.036	0.044	0.013	0.000	0.000	0.000	0.000	1409.35	
29	0.7332	1184.2	1205.2	1204.6	1.046	3.754	69.272	21.341	3.928	0.171	0.411	0.031	0.037	0.010	0.000	0.000	0.000	0.000	1407.50	
30	0.7292	1177.6	1198.5	1198.0	1.054	3.768	69.838	20.991	3.711	0.165	0.397	0.031	0.037	0.010	0.000	0.000	0.000	0.000	1403.54	
31	0.7295	1177.6	1198.4	1197.9	1.055	3.803	69.582	21.338	3.626	0.155	0.370	0.028	0.034	0.009	0.000	0.000	0.000	0.000	1403.13	
Avg	0.7330	1180.0	1201.3	1200.6	1.054	3.957	69.310	21.105	3.877	0.179	0.436	0.033	0.039	0.010	0.000	0.000	0.000	0.000	1403.16	

Source Daily Summary

August 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	0.7566	1187.4	1208.5	1207.4	0.946	5.903	66.086	20.493	5.850	0.185	0.465	0.030	0.033	0.009	0.000	0.000	0.000	0.000	1389.34	
2	0.7582	1190.8	1211.8	1210.7	0.946	5.854	65.934	20.561	5.951	0.192	0.485	0.032	0.035	0.010	0.000	0.000	0.000	0.000	1391.71	
3	0.7586	1191.3	1212.3	1211.2	0.947	5.856	65.870	20.603	5.974	0.191	0.482	0.032	0.035	0.010	0.000	0.000	0.000	0.000	1391.95	
4	0.7582	1190.5	1211.5	1210.4	0.949	5.870	65.886	20.614	5.942	0.189	0.476	0.031	0.034	0.010	0.000	0.000	0.000	0.000	1391.35	
5	0.7578	1189.7	1210.7	1209.7	0.947	5.879	65.919	20.616	5.909	0.186	0.469	0.031	0.034	0.009	0.000	0.000	0.000	0.000	1390.84	
6	0.7554	1185.4	1206.4	1205.7	0.952	5.910	66.146	20.543	5.778	0.175	0.434	0.026	0.028	0.008	0.000	0.000	0.000	0.000	1388.03	
7	0.7570	1186.5	1207.5	1206.8	0.945	6.007	65.956	20.496	5.907	0.181	0.447	0.027	0.028	0.007	0.000	0.000	0.000	0.000	1387.79	
8	0.7569	1187.7	1208.8	1207.8	0.948	5.911	65.964	20.629	5.858	0.180	0.446	0.027	0.029	0.008	0.000	0.000	0.000	0.000	1389.39	
9	0.7556	1185.2	1206.2	1205.2	0.945	5.942	66.329	20.198	5.841	0.193	0.479	0.031	0.034	0.009	0.000	0.000	0.000	0.000	1387.71	
10	0.7576	1190.6	1211.7	1210.7	0.948	5.808	65.962	20.649	5.903	0.187	0.470	0.031	0.034	0.010	0.000	0.000	0.000	0.000	1392.06	
11	0.7563	1187.4	1208.4	1207.4	0.949	5.874	66.105	20.530	5.835	0.182	0.455	0.029	0.031	0.009	0.000	0.000	0.000	0.000	1389.55	
12	0.7555	1185.6	1206.6	1205.6	0.949	5.911	66.308	20.269	5.828	0.190	0.473	0.030	0.033	0.009	0.000	0.000	0.000	0.000	1388.17	
13	0.7563	1186.6	1207.6	1206.6	0.946	5.927	66.204	20.316	5.862	0.192	0.479	0.031	0.034	0.009	0.000	0.000	0.000	0.000	1388.58	
14	0.7571	1188.2	1209.2	1208.2	0.946	5.906	66.144	20.322	5.915	0.197	0.493	0.032	0.035	0.010	0.000	0.000	0.000	0.000	1389.72	
15	0.7556	1185.0	1206.0	1205.0	0.947	5.957	66.365	20.132	5.829	0.198	0.495	0.032	0.035	0.010	0.000	0.000	0.000	0.000	1387.38	
16	0.7574	1188.3	1209.3	1208.3	0.949	5.923	65.953	20.571	5.883	0.186	0.464	0.030	0.032	0.009	0.000	0.000	0.000	0.000	1389.58	
17	0.7577	1188.6	1209.7	1208.7	0.948	5.930	65.897	20.606	5.902	0.185	0.461	0.030	0.032	0.009	0.000	0.000	0.000	0.000	1389.73	
18	0.7591	1191.5	1212.6	1211.5	0.950	5.888	65.678	20.803	5.966	0.182	0.459	0.030	0.033	0.010	0.000	0.000	0.000	0.000	1391.75	
19	0.7554	1184.0	1204.9	1203.8	0.948	5.996	66.392	20.063	5.847	0.193	0.482	0.032	0.036	0.011	0.000	0.000	0.000	0.000	1386.38	
20	0.7535	1179.6	1200.5	1199.4	0.943	6.097	66.838	19.490	5.827	0.205	0.517	0.035	0.038	0.011	0.000	0.000	0.000	0.000	1382.94	
21	0.7558	1186.6	1207.7	1206.6	0.946	5.878	66.631	19.755	5.919	0.220	0.559	0.038	0.042	0.012	0.000	0.000	0.000	0.000	1389.08	
22	0.7552	1184.4	1205.4	1204.2	0.949	5.958	66.431	20.068	5.819	0.199	0.499	0.032	0.035	0.010	0.000	0.000	0.000	0.000	1386.99	
23	0.7555	1184.5	1205.5	1204.3	0.973	5.939	66.269	20.300	5.799	0.188	0.465	0.029	0.031	0.008	0.000	0.000	0.000	0.000	1386.89	
24	0.7549	1183.2	1204.2	1203.1	0.971	5.965	66.366	20.204	5.767	0.190	0.469	0.029	0.032	0.008	0.000	0.000	0.000	0.000	1385.94	
25	0.7548	1183.2	1204.2	1203.1	0.970	5.961	66.335	20.269	5.753	0.186	0.460	0.029	0.031	0.008	0.000	0.000	0.000	0.000	1386.01	
26	0.7559	1185.1	1206.1	1205.0	0.956	5.965	66.236	20.274	5.835	0.189	0.472	0.030	0.032	0.009	0.000	0.000	0.000	0.000	1387.22	
27	0.7566	1186.1	1207.1	1206.0	0.957	5.968	66.331	20.017	5.921	0.206	0.519	0.034	0.038	0.011	0.000	0.000	0.000	0.000	1387.77	
28	0.7557	1185.5	1206.5	1205.4	0.952	5.931	66.394	20.083	5.867	0.198	0.497	0.033	0.036	0.010	0.000	0.000	0.000	0.000	1387.84	
29	0.7564	1186.4	1207.4	1206.3	0.957	5.939	66.172	20.332	5.857	0.191	0.477	0.031	0.034	0.010	0.000	0.000	0.000	0.000	1388.20	
30	0.7570	1186.8	1207.8	1206.8	0.959	5.966	65.968	20.545	5.855	0.182	0.455	0.029	0.032	0.009	0.000	0.000	0.000	0.000	1388.17	
31	0.7565	1186.3	1207.3	1206.2	0.963	5.948	66.022	20.549	5.820	0.181	0.450	0.029	0.031	0.008	0.000	0.000	0.000	0.000	1387.97	
Avg	0.7565	1187.0	1207.7	1206.7	0.952	5.928	66.164	20.352	5.865	0.190	0.476	0.031	0.033	0.009	0.000	0.000	0.000	0.000	1388.58	

Source Daily Summary

August 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	0.7579	1188.9	1210.0	1209.7	0.970	6.190	66.515	20.000	5.500	0.190	0.440	0.082	0.088	0.026	0.000	0.000	0.000	0.000	1389.89	
2	0.7579	1188.9	1210.0	1209.7	0.970	6.190	66.515	20.000	5.500	0.190	0.440	0.082	0.088	0.026	0.000	0.000	0.000	0.000	1389.89	
3	0.7579	1188.9	1210.0	1209.7	0.970	6.190	66.515	20.000	5.500	0.190	0.440	0.082	0.088	0.026	0.000	0.000	0.000	0.000	1389.89	
4	0.7679	1190.3	1211.3	1211.0	0.988	6.017	65.729	20.666	5.869	0.190	0.454	0.037	0.040	0.010	0.000	0.000	0.000	0.000	1383.42	
5	0.8093	1185.9	1206.9	1206.6	0.985	6.050	65.888	20.540	5.802	0.186	0.446	0.044	0.048	0.012	0.000	0.000	0.000	0.000	1349.20	
6	0.5531	1185.1	1206.1	1205.8	0.970	6.190	66.518	20.000	5.500	0.180	0.440	0.085	0.093	0.023	0.000	0.000	0.000	0.000	1621.75	
7	0.7569	1184.1	1205.0	1204.4	0.985	6.011	65.770	20.690	5.837	0.186	0.445	0.033	0.036	0.007	0.000	0.000	0.000	0.000	1385.05	
8	0.7583	1187.6	1208.7	1208.2	0.987	5.995	65.702	20.726	5.884	0.187	0.448	0.030	0.033	0.007	0.000	0.000	0.000	0.000	1387.95	
9	0.7581	1187.7	1208.7	1208.3	0.985	5.974	65.784	20.681	5.873	0.186	0.446	0.030	0.033	0.008	0.000	0.000	0.000	0.000	1388.21	
10	0.7581	1187.7	1208.7	1208.3	0.985	5.974	65.784	20.681	5.873	0.186	0.446	0.030	0.033	0.008	0.000	0.000	0.000	0.000	1388.21	
11	0.7581	1187.7	1208.7	1208.3	0.985	5.974	65.784	20.681	5.873	0.186	0.446	0.030	0.033	0.008	0.000	0.000	0.000	0.000	1388.21	
12	0.7585	1188.9	1209.9	1209.5	0.982	5.933	65.626	20.795	5.872	0.186	0.445	0.032	0.101	0.027	0.000	0.000	0.000	0.000	1389.29	
13	0.7585	1188.9	1210.0	1209.6	0.982	5.931	65.619	20.800	5.872	0.186	0.445	0.032	0.104	0.028	0.000	0.000	0.000	0.000	1389.34	
14	0.7585	1188.9	1210.0	1209.6	0.982	5.931	65.619	20.800	5.872	0.186	0.445	0.032	0.104	0.028	0.000	0.000	0.000	0.000	1389.34	
15	0.7585	1188.9	1210.0	1209.6	0.982	5.931	65.619	20.800	5.872	0.186	0.445	0.032	0.104	0.028	0.000	0.000	0.000	0.000	1389.34	
16	0.7585	1188.9	1210.0	1209.6	0.982	5.931	65.619	20.800	5.872	0.186	0.445	0.032	0.104	0.028	0.000	0.000	0.000	0.000	1389.34	
17	0.7573	1186.1	1207.1	1206.8	0.985	5.989	65.752	20.641	5.864	0.190	0.451	0.032	0.077	0.020	0.000	0.000	0.000	0.000	1387.12	
18	0.7600	1189.8	1210.9	1209.9	0.993	6.010	65.445	20.924	5.927	0.184	0.443	0.031	0.034	0.007	0.000	0.000	0.000	0.000	1388.99	
19	0.7584	1186.2	1207.2	1206.0	0.991	6.085	65.881	20.361	5.923	0.198	0.479	0.035	0.038	0.010	0.000	0.000	0.000	0.000	1386.17	
20	0.7552	1180.3	1201.2	1200.0	0.985	6.147	66.318	19.948	5.834	0.201	0.485	0.035	0.039	0.010	0.000	0.000	0.000	0.000	1382.27	
21	0.7555	1182.8	1203.7	1202.4	0.984	6.024	66.488	19.788	5.874	0.220	0.532	0.038	0.041	0.011	0.000	0.000	0.000	0.000	1384.86	
22	0.7549	1180.2	1201.1	1199.6	0.988	6.119	66.609	19.664	5.799	0.214	0.517	0.036	0.040	0.012	0.000	0.000	0.000	0.000	1382.40	
23	0.7551	1183.5	1204.4	1202.9	0.975	5.964	66.362	20.188	5.788	0.191	0.471	0.029	0.032	0.001	0.000	0.000	0.000	0.000	1386.03	
24	0.7549	1183.2	1204.2	1202.8	0.971	5.965	66.374	20.204	5.767	0.190	0.469	0.029	0.032	0.000	0.000	0.000	0.000	0.000	1385.94	
25	0.7547	1183.0	1204.0	1202.6	0.968	5.960	66.352	20.265	5.751	0.185	0.459	0.028	0.031	0.000	0.000	0.000	0.000	0.000	1385.88	
26	0.7571	1183.2	1204.1	1202.4	0.996	6.082	65.952	20.450	5.802	0.191	0.458	0.031	0.033	0.005	0.000	0.000	0.000	0.000	1383.89	
27	0.7566	1186.1	1207.1	1205.3	0.957	5.968	66.341	20.017	5.921	0.206	0.519	0.034	0.038	0.000	0.000	0.000	0.000	0.000	1387.77	
28	0.7547	1183.8	1204.8	1202.9	0.952	5.931	66.405	20.082	5.867	0.198	0.497	0.033	0.036	0.000	0.000	0.000	0.000	0.000	1386.86	
29	0.7564	1186.3	1207.3	1205.4	0.955	5.931	66.091	20.304	5.849	0.191	0.476	0.031	0.034	0.000	0.000	0.000	0.000	0.000	1388.19	
30	0.7570	1186.8	1207.8	1205.8	0.959	5.966	65.977	20.545	5.855	0.182	0.455	0.029	0.032	0.000	0.000	0.000	0.000	0.000	1388.17	
31	0.7565	1186.3	1207.3	1205.3	0.963	5.948	66.030	20.549	5.820	0.181	0.450	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1387.98	
Avg	0.7526	1186.0	1207.3	1206.4	0.978	6.016	66.032	20.406	5.807	0.191	0.461	0.039	0.055	0.012	0.000	0.000	0.000	0.000	1393.57	

Source Daily Summary

August 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	0.7579	1188.9	1210.0	1209.8	0.970	6.190	66.161	20.000	5.500	0.190	0.440	0.230	0.248	0.072	0.000	0.000	0.000	0.000	1389.89	
2	0.7579	1188.9	1210.0	1209.8	0.970	6.190	66.161	20.000	5.500	0.190	0.440	0.230	0.248	0.072	0.000	0.000	0.000	0.000	1389.89	
3	0.7579	1188.9	1210.0	1209.8	0.970	6.190	66.161	20.000	5.500	0.190	0.440	0.230	0.248	0.072	0.000	0.000	0.000	0.000	1389.89	
4	0.7754	1188.9	1209.9	1209.8	0.990	6.027	65.766	20.627	5.833	0.188	0.447	0.052	0.056	0.014	0.000	0.000	0.000	0.000	1375.70	
5	0.8388	1186.4	1207.4	1207.3	0.985	6.056	65.953	20.501	5.772	0.187	0.442	0.043	0.048	0.012	0.000	0.000	0.000	0.000	1327.04	
6	0.7490	1185.8	1206.8	1206.3	0.970	6.190	66.504	20.000	5.500	0.190	0.440	0.085	0.094	0.026	0.000	0.000	0.000	0.000	1394.35	
7	0.7559	1188.7	1209.8	1209.2	0.981	6.063	65.929	20.507	5.760	0.190	0.448	0.051	0.057	0.014	0.000	0.000	0.000	0.000	1391.50	
8	0.7562	1188.8	1209.8	1209.5	0.982	6.057	65.904	20.529	5.772	0.190	0.449	0.049	0.055	0.014	0.000	0.000	0.000	0.000	1391.29	
9	0.7562	1188.8	1209.8	1209.5	0.982	6.057	65.904	20.529	5.772	0.190	0.449	0.049	0.055	0.014	0.000	0.000	0.000	0.000	1391.29	
10	0.7562	1188.8	1209.8	1209.5	0.982	6.057	65.904	20.529	5.772	0.190	0.449	0.049	0.055	0.014	0.000	0.000	0.000	0.000	1391.29	
11	0.7562	1188.8	1209.8	1209.5	0.982	6.057	65.904	20.529	5.772	0.190	0.449	0.049	0.055	0.014	0.000	0.000	0.000	0.000	1391.29	
12	0.7562	1188.8	1209.8	1209.5	0.982	6.057	65.904	20.529	5.772	0.190	0.449	0.049	0.055	0.014	0.000	0.000	0.000	0.000	1391.29	
13	0.7562	1188.8	1209.8	1209.5	0.982	6.057	65.904	20.529	5.772	0.190	0.449	0.049	0.055	0.014	0.000	0.000	0.000	0.000	1391.29	
14	0.7562	1188.8	1209.8	1209.5	0.982	6.057	65.904	20.529	5.772	0.190	0.449	0.049	0.055	0.014	0.000	0.000	0.000	0.000	1391.29	
15	0.7562	1188.8	1209.8	1209.6	0.982	6.057	65.904	20.529	5.772	0.190	0.449	0.049	0.055	0.014	0.000	0.000	0.000	0.000	1391.29	
16	0.7562	1188.8	1209.8	1209.7	0.982	6.057	65.904	20.529	5.772	0.190	0.449	0.049	0.055	0.014	0.000	0.000	0.000	0.000	1391.29	
17	0.7564	1186.5	1207.5	1207.4	0.988	6.068	65.925	20.472	5.802	0.192	0.453	0.042	0.047	0.012	0.000	0.000	0.000	0.000	1388.42	
18	0.7596	1189.0	1210.1	1209.3	0.993	6.020	65.505	20.881	5.902	0.184	0.441	0.031	0.035	0.008	0.000	0.000	0.000	0.000	1388.40	
19	0.7584	1186.0	1207.0	1206.3	0.993	6.085	65.896	20.349	5.916	0.198	0.480	0.035	0.039	0.010	0.000	0.000	0.000	0.000	1386.03	
20	0.7550	1179.9	1200.8	1200.0	0.985	6.146	66.286	19.918	5.827	0.201	0.486	0.035	0.039	0.010	0.000	0.000	0.000	0.000	1381.95	
21	0.7560	1183.6	1204.6	1203.8	0.986	6.011	66.466	19.791	5.893	0.222	0.539	0.038	0.042	0.011	0.000	0.000	0.000	0.000	1385.44	
22	0.7571	1185.3	1206.3	1205.3	0.991	6.017	66.012	20.414	5.829	0.198	0.468	0.030	0.032	0.008	0.000	0.000	0.000	0.000	1386.31	
23	0.7555	1184.4	1205.4	1204.4	0.975	5.946	66.265	20.303	5.797	0.189	0.465	0.029	0.031	0.001	0.000	0.000	0.000	0.000	1386.76	
24	0.7549	1183.2	1204.2	1203.2	0.971	5.965	66.374	20.204	5.767	0.190	0.469	0.029	0.032	0.000	0.000	0.000	0.000	0.000	1385.94	
25	0.7547	1183.0	1204.0	1203.0	0.968	5.960	66.350	20.266	5.752	0.185	0.459	0.028	0.031	0.000	0.000	0.000	0.000	0.000	1385.90	
26	0.7561	1183.0	1204.0	1202.7	0.992	6.059	66.099	20.364	5.772	0.190	0.456	0.030	0.033	0.005	0.000	0.000	0.000	0.000	1384.61	
27	0.7566	1186.0	1207.0	1205.6	0.956	5.970	66.347	20.015	5.917	0.205	0.518	0.034	0.037	0.000	0.000	0.000	0.000	0.000	1387.70	
28	0.7557	1185.5	1206.5	1204.9	0.952	5.931	66.403	20.083	5.868	0.198	0.497	0.033	0.036	0.000	0.000	0.000	0.000	0.000	1387.85	
29	0.7564	1186.3	1207.3	1205.8	0.955	5.931	66.093	20.304	5.850	0.191	0.476	0.031	0.034	0.000	0.000	0.000	0.000	0.000	1388.18	
30	0.7571	1186.9	1207.9	1206.6	0.959	5.965	65.970	20.548	5.858	0.182	0.455	0.029	0.032	0.000	0.000	0.000	0.000	0.000	1388.23	
31	0.7565	1186.2	1207.2	1206.1	0.963	5.948	66.036	20.546	5.817	0.180	0.449	0.029	0.031	0.000	0.000	0.000	0.000	0.000	1387.92	
Avg	0.7595	1187.0	1207.8	1207.2	0.978	6.047	66.058	20.350	5.770	0.192	0.460	0.060	0.065	0.015	0.000	0.000	0.000	0.000	1386.44	

Source Daily Summary

August 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	0.5871	1027.0	1045.2	1044.9	0.538	0.370	93.868	5.103	0.111	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.11	-91.21
2	0.5851	1025.0	1043.2	1042.9	0.527	0.328	94.371	4.670	0.097	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.77	-93.42
3	0.5861	1026.3	1044.5	1044.2	0.538	0.326	94.179	4.850	0.100	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.37	-92.50
4	0.5853	1024.8	1042.9	1042.7	0.519	0.370	94.164	4.816	0.121	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.21	-92.37
5	0.5848	1024.1	1042.2	1042.0	0.510	0.374	94.130	4.739	0.111	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1362.82	-92.95
6	0.5844	1023.3	1041.5	1041.2	0.514	0.372	94.086	4.685	0.106	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1362.36	-93.23
7	0.5844	1023.5	1041.6	1041.4	0.515	0.370	94.260	4.744	0.104	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1362.51	-93.06
8	0.5839	1022.6	1040.7	1040.4	0.512	0.372	94.262	4.744	0.101	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1361.84	-93.09
9	0.5855	1025.7	1043.8	1043.5	0.504	0.365	94.258	4.764	0.101	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.13	-93.03
10	0.5864	1027.1	1045.3	1045.1	0.516	0.345	94.092	4.930	0.108	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.99	-92.09
11	0.5860	1027.2	1045.4	1045.2	0.487	0.338	94.165	4.893	0.108	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.68	-92.35
12	0.5842	1025.6	1043.7	1043.5	0.448	0.327	94.464	4.655	0.098	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.62	-93.73
13	0.5849	1026.2	1044.4	1044.1	0.462	0.337	94.340	4.757	0.097	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.58	-93.27
14	0.5850	1025.7	1043.9	1043.6	0.478	0.356	94.329	4.733	0.097	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.74	-93.32
15	0.5843	1023.8	1042.0	1041.6	0.496	0.368	94.506	4.525	0.097	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.19	-94.18
16	0.5849	1024.4	1042.6	1042.1	0.499	0.386	94.382	4.623	0.102	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.25	-93.67
17	0.5839	1023.9	1042.1	1041.6	0.487	0.342	94.563	4.517	0.085	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.74	-94.45
18	0.5848	1024.8	1043.0	1042.5	0.517	0.331	94.408	4.644	0.093	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.80	-93.65
19	0.5851	1025.0	1043.2	1042.8	0.513	0.350	94.352	4.683	0.095	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.78	-93.44
20	0.5842	1024.0	1042.1	1041.7	0.568	0.308	94.245	4.710	0.108	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.43	-93.25
21	0.5839	1023.5	1041.6	1041.2	0.517	0.315	94.433	4.629	0.097	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.11	-93.63
22	0.5845	1024.0	1042.1	1041.8	0.520	0.345	94.485	4.544	0.098	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.11	-93.99
23	0.5884	1030.4	1048.6	1048.3	0.522	0.320	93.912	4.969	0.232	0.019	0.020	0.004	0.003	0.000	0.000	0.000	0.000	0.000	1367.02	-87.98
24	0.5850	1025.3	1043.5	1043.1	0.504	0.342	94.357	4.688	0.102	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.20	-93.38
25	0.5853	1025.9	1044.1	1043.7	0.509	0.338	94.280	4.760	0.105	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.74	-92.95
26	0.5856	1026.0	1044.1	1043.8	0.509	0.346	94.248	4.784	0.104	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.43	-92.87
27	0.5856	1025.7	1043.9	1043.6	0.517	0.353	94.266	4.743	0.112	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.05	-92.86
28	0.5861	1026.4	1044.6	1044.3	0.521	0.351	94.145	4.857	0.116	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.42	-92.27
29	0.5844	1023.5	1041.6	1041.3	0.519	0.339	94.199	4.799	0.108	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1362.52	-92.65
30	0.5859	1026.2	1044.4	1044.0	0.521	0.340	94.209	4.814	0.108	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.45	-92.63
31	0.5859	1026.4	1044.6	1044.2	0.518	0.336	94.208	4.815	0.113	0.005	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.66	-92.51
Avg	0.5852	1025.0	1043.4	1043.1	0.510	0.347	94.263	4.748	0.107	0.005	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.99	-92.90

Source Daily Summary

August 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	0.7564	1187.2	1208.2	1207.1	0.947	5.906	66.103	20.482	5.840	0.185	0.464	0.030	0.033	0.009	0.000	0.000	0.000	0.000	1389.15	
2	0.7582	1190.7	1211.8	1210.8	0.946	5.853	65.940	20.556	5.949	0.192	0.485	0.032	0.035	0.010	0.000	0.000	0.000	0.000	1391.69	
3	0.7585	1191.2	1212.3	1211.2	0.947	5.854	65.883	20.598	5.970	0.191	0.482	0.032	0.035	0.010	0.000	0.000	0.000	0.000	1391.93	
4	0.7581	1190.1	1211.2	1210.1	0.949	5.876	65.903	20.603	5.931	0.188	0.475	0.031	0.034	0.010	0.000	0.000	0.000	0.000	1391.08	
5	0.7577	1189.4	1210.4	1209.5	0.947	5.885	65.933	20.607	5.901	0.186	0.468	0.030	0.033	0.009	0.000	0.000	0.000	0.000	1390.61	
6	0.7555	1185.8	1206.8	1205.6	0.952	5.895	66.143	20.549	5.785	0.176	0.437	0.027	0.029	0.008	0.000	0.000	0.000	0.000	1388.41	
7	0.7565	1185.4	1206.4	1205.2	0.945	6.025	66.001	20.474	5.877	0.178	0.439	0.026	0.028	0.006	0.000	0.000	0.000	0.000	1387.00	
8	0.7568	1187.8	1208.8	1207.9	0.948	5.903	65.968	20.635	5.857	0.180	0.446	0.027	0.029	0.007	0.000	0.000	0.000	0.000	1389.50	
9	0.7559	1185.6	1206.6	1205.7	0.945	5.950	66.292	20.204	5.859	0.194	0.482	0.031	0.034	0.009	0.000	0.000	0.000	0.000	1387.84	
10	0.7576	1190.5	1211.6	1210.6	0.948	5.806	65.973	20.644	5.899	0.187	0.470	0.031	0.034	0.010	0.000	0.000	0.000	0.000	1392.03	
11	0.7561	1187.1	1208.1	1207.0	0.949	5.877	66.129	20.516	5.824	0.182	0.454	0.029	0.031	0.009	0.000	0.000	0.000	0.000	1389.33	
12	0.7556	1185.8	1206.7	1205.7	0.949	5.909	66.297	20.280	5.831	0.189	0.473	0.030	0.033	0.009	0.000	0.000	0.000	0.000	1388.26	
13	0.7561	1186.3	1207.3	1206.1	0.947	5.930	66.214	20.318	5.850	0.191	0.476	0.031	0.033	0.009	0.000	0.000	0.000	0.000	1388.39	
14	0.7573	1188.7	1209.7	1208.6	0.947	5.894	66.086	20.396	5.917	0.195	0.489	0.032	0.035	0.010	0.000	0.000	0.000	0.000	1390.12	
15	0.7554	1184.5	1205.5	1204.3	0.946	5.967	66.436	20.036	5.831	0.201	0.503	0.033	0.036	0.011	0.000	0.000	0.000	0.000	1387.02	
16	0.7572	1188.1	1209.1	1207.9	0.949	5.923	65.971	20.562	5.874	0.186	0.464	0.030	0.032	0.009	0.000	0.000	0.000	0.000	1389.45	
17	0.7570	1187.4	1208.4	1207.2	0.949	5.940	66.012	20.511	5.872	0.185	0.461	0.030	0.032	0.009	0.000	0.000	0.000	0.000	1388.90	
18	0.7591	1191.5	1212.6	1211.3	0.950	5.890	65.682	20.795	5.967	0.183	0.460	0.030	0.033	0.010	0.000	0.000	0.000	0.000	1391.72	
19	0.7557	1184.6	1205.6	1204.1	0.948	5.991	66.349	20.089	5.864	0.193	0.485	0.033	0.036	0.011	0.000	0.000	0.000	0.000	1386.78	
20	0.7536	1179.9	1200.8	1198.7	0.944	6.086	66.793	19.558	5.823	0.202	0.511	0.034	0.038	0.011	0.000	0.000	0.000	0.000	1383.22	
21	0.7555	1186.0	1207.0	1205.9	0.946	5.882	66.682	19.720	5.901	0.220	0.558	0.037	0.042	0.012	0.000	0.000	0.000	0.000	1388.67	
22	0.7549	1183.6	1204.6	1203.4	0.948	5.972	66.505	19.989	5.807	0.200	0.501	0.032	0.035	0.010	0.000	0.000	0.000	0.000	1386.41	
23	0.7550	1183.7	1204.7	1203.7	0.973	5.943	66.323	20.275	5.774	0.186	0.460	0.028	0.030	0.007	0.000	0.000	0.000	0.000	1386.42	
24	0.7549	1183.2	1204.2	1203.2	0.971	5.966	66.367	20.201	5.768	0.190	0.469	0.029	0.032	0.008	0.000	0.000	0.000	0.000	1385.92	
25	0.7548	1183.2	1204.2	1203.2	0.970	5.961	66.338	20.265	5.753	0.186	0.460	0.029	0.031	0.008	0.000	0.000	0.000	0.000	1385.99	
26	0.7556	1184.6	1205.5	1204.5	0.957	5.967	66.244	20.304	5.809	0.186	0.464	0.029	0.031	0.008	0.000	0.000	0.000	0.000	1386.89	
27	0.7565	1185.9	1206.9	1205.8	0.957	5.972	66.333	20.023	5.913	0.205	0.515	0.034	0.037	0.011	0.000	0.000	0.000	0.000	1387.61	
28	0.7552	1184.6	1205.5	1204.5	0.952	5.941	66.448	20.051	5.843	0.196	0.492	0.032	0.035	0.010	0.000	0.000	0.000	0.000	1387.22	
29	0.7560	1185.5	1206.4	1205.4	0.956	5.953	66.266	20.230	5.843	0.193	0.482	0.032	0.035	0.010	0.000	0.000	0.000	0.000	1387.55	
30	0.7571	1186.9	1208.0	1207.0	0.959	5.965	65.961	20.548	5.859	0.182	0.456	0.029	0.032	0.009	0.000	0.000	0.000	0.000	1388.25	
31	0.7562	1185.7	1206.7	1205.7	0.963	5.955	66.059	20.525	5.803	0.180	0.447	0.028	0.031	0.008	0.000	0.000	0.000	0.000	1387.56	
Avg	0.7563	1186.0	1207.5	1206.3	0.952	5.930	66.182	20.340	5.858	0.190	0.475	0.031	0.033	0.009	0.000	0.000	0.000	0.000	1388.42	

Source Daily Summary

August 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	0.6488	1074.9	1093.9	1093.1	0.963	2.627	82.293	13.084	0.946	0.031	0.053	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1358.04	
2	0.6484	1073.7	1092.8	1091.9	0.974	2.647	82.398	13.023	0.879	0.028	0.048	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1357.05	
3	0.6459	1071.3	1090.2	1089.3	0.955	2.591	82.876	12.656	0.837	0.031	0.048	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1356.54	
4	0.6453	1069.6	1088.5	1087.6	0.961	2.627	82.912	12.623	0.822	0.020	0.036	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1355.04	
5	0.6459	1070.0	1088.9	1088.1	0.977	2.627	82.646	12.859	0.835	0.021	0.037	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1354.90	
6	0.6450	1069.9	1088.8	1087.9	0.957	2.571	82.736	12.646	0.885	0.023	0.042	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1355.76	
7	0.6466	1070.8	1089.7	1088.8	0.953	2.684	82.595	12.811	0.897	0.022	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1355.18	
8	0.6453	1067.4	1086.3	1085.5	0.969	2.731	82.438	12.861	0.923	0.023	0.042	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1352.21	
9	0.6463	1070.2	1089.2	1088.4	0.960	2.678	82.795	12.615	0.889	0.022	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1354.87	
10	0.6461	1071.4	1090.4	1089.4	0.941	2.619	82.811	12.691	0.875	0.022	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1356.52	
11	0.6465	1072.2	1091.1	1090.2	0.941	2.611	82.755	12.734	0.890	0.025	0.044	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1357.06	
12	0.6438	1069.9	1088.8	1087.7	0.905	2.546	83.253	12.341	0.878	0.027	0.049	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1357.04	
13	0.6451	1071.1	1090.1	1089.0	0.918	2.576	82.978	12.605	0.854	0.025	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1357.25	
14	0.6423	1066.5	1085.4	1084.6	0.924	2.593	83.427	12.250	0.749	0.020	0.037	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1354.24	
15	0.6411	1063.6	1082.4	1081.6	0.947	2.623	83.637	12.031	0.714	0.017	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1351.79	
16	0.6424	1064.8	1083.6	1082.8	0.963	2.642	83.490	12.053	0.800	0.018	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1352.02	
17	0.6420	1063.2	1082.0	1081.1	0.966	2.690	83.424	12.072	0.793	0.019	0.035	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1350.44	
18	0.6413	1064.3	1083.1	1082.2	0.939	2.605	83.625	12.047	0.734	0.018	0.032	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1352.56	
19	0.6393	1062.6	1081.4	1080.4	0.918	2.550	83.850	11.883	0.747	0.018	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1352.47	
20	0.6403	1064.5	1083.4	1082.2	0.908	2.518	83.358	12.164	0.851	0.023	0.041	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1353.87	
21	0.6429	1069.6	1088.6	1087.8	0.911	2.465	83.302	12.337	0.878	0.023	0.041	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1357.64	
22	0.6412	1066.3	1085.2	1084.5	0.917	2.500	83.699	12.051	0.779	0.019	0.034	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1355.31	
23	0.6378	1061.8	1080.6	1079.9	0.925	2.448	84.322	11.556	0.698	0.018	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1353.07	
24	0.6389	1063.6	1082.4	1081.8	0.917	2.453	84.135	11.703	0.742	0.018	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1354.21	
25	0.6389	1063.5	1082.4	1081.7	0.916	2.454	84.070	11.691	0.808	0.022	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1354.12	
26	0.6422	1067.5	1086.4	1085.6	0.925	2.508	83.594	12.062	0.849	0.022	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1355.71	
27	0.6413	1066.9	1085.8	1084.9	0.915	2.481	83.760	11.938	0.841	0.023	0.041	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1355.87	
28	0.6413	1067.3	1086.2	1085.4	0.907	2.469	83.699	11.958	0.898	0.024	0.044	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1356.27	
29	0.6381	1062.5	1081.3	1080.6	0.902	2.468	84.316	11.480	0.776	0.021	0.038	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1353.66	
30	0.6408	1065.2	1084.1	1083.5	0.924	2.520	83.740	11.907	0.847	0.022	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1354.25	
31	0.6438	1069.1	1088.1	1087.4	0.932	2.559	83.292	12.257	0.897	0.023	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1356.02	
Avg	0.6431	1068.0	1086.5	1085.6	0.936	2.570	83.298	12.290	0.833	0.022	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1354.87	

Source Daily Summary

August 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	0.6795	1118.4	1138.2	1137.6	0.648	3.338	76.763	17.144	1.914	0.063	0.117	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1380.81	
2	0.6810	1121.0	1140.9	1140.2	0.624	3.356	76.640	17.216	1.961	0.066	0.122	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1382.50	
3	0.6845	1127.3	1147.3	1146.6	0.526	3.449	76.012	17.651	2.155	0.069	0.124	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1386.73	
4	0.6862	1129.7	1149.7	1149.0	0.509	3.497	75.757	17.757	2.257	0.074	0.134	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1387.81	
5	0.6845	1126.2	1146.2	1145.5	0.554	3.477	76.047	17.535	2.171	0.072	0.131	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1385.33	
6	0.6775	1115.9	1135.6	1135.0	0.658	3.301	76.963	17.035	1.865	0.059	0.107	0.007	0.005	0.000	0.000	0.000	0.000	0.000	1379.66	
7	0.6798	1118.7	1138.5	1137.8	0.615	3.382	76.528	17.116	2.031	0.068	0.124	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1380.85	
8	0.6808	1119.8	1139.6	1138.9	0.453	3.627	76.022	17.538	2.074	0.063	0.112	0.007	0.005	0.000	0.000	0.000	0.000	0.000	1381.18	
9	0.6862	1128.6	1148.6	1147.9	0.554	3.489	75.666	17.955	2.123	0.069	0.128	0.009	0.007	0.000	0.000	0.000	0.000	0.000	1386.58	
10	0.6861	1127.2	1147.1	1146.4	0.555	3.564	75.782	17.672	2.202	0.072	0.135	0.009	0.008	0.000	0.000	0.000	0.000	0.000	1384.92	
11	0.6778	1112.5	1132.2	1131.5	0.477	3.799	77.012	16.578	1.962	0.059	0.102	0.006	0.005	0.000	0.000	0.000	0.000	0.000	1375.20	
12	0.6819	1119.5	1139.3	1138.5	0.488	3.744	76.234	17.354	2.002	0.061	0.107	0.006	0.005	0.000	0.000	0.000	0.000	0.000	1379.71	
13	0.6838	1121.6	1141.5	1140.8	0.520	3.738	76.036	17.401	2.111	0.065	0.115	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1380.45	
14	0.6856	1125.9	1145.9	1145.2	0.653	3.448	75.857	17.744	2.084	0.069	0.129	0.009	0.007	0.000	0.000	0.000	0.000	0.000	1383.86	
15	0.6844	1124.7	1144.6	1143.9	0.651	3.411	76.165	17.436	2.111	0.073	0.138	0.009	0.007	0.000	0.000	0.000	0.000	0.000	1383.56	
16	0.6834	1123.2	1143.1	1142.4	0.651	3.408	76.367	17.243	2.098	0.074	0.141	0.010	0.008	0.000	0.000	0.000	0.000	0.000	1382.75	
17	0.6822	1121.0	1140.9	1140.2	0.689	3.369	76.579	17.094	2.048	0.071	0.133	0.009	0.008	0.000	0.000	0.000	0.000	0.000	1381.25	
18	0.6757	1110.6	1130.2	1129.5	0.789	3.243	77.704	16.301	1.768	0.063	0.117	0.008	0.007	0.000	0.000	0.000	0.000	0.000	1374.99	
19	0.6739	1110.8	1130.5	1129.8	0.822	3.012	77.909	16.486	1.600	0.056	0.102	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.08	
20	0.6794	1119.3	1139.1	1138.4	0.721	3.153	76.873	17.046	1.999	0.069	0.125	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1381.99	
21	0.6799	1119.6	1139.4	1138.7	0.655	3.287	76.981	16.743	2.106	0.075	0.139	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1381.86	
22	0.6767	1113.9	1133.6	1133.0	0.672	3.313	77.524	16.370	1.910	0.070	0.127	0.007	0.005	0.000	0.000	0.000	0.000	0.000	1378.06	
23	0.6790	1115.7	1135.5	1134.8	0.678	3.410	77.289	16.305	2.069	0.082	0.152	0.009	0.006	0.000	0.000	0.000	0.000	0.000	1377.95	
24	0.6792	1115.9	1135.6	1134.9	0.703	3.381	77.288	16.302	2.075	0.081	0.154	0.009	0.006	0.000	0.000	0.000	0.000	0.000	1377.94	
25	0.6553	1077.4	1096.5	1095.8	1.062	2.940	80.992	14.072	0.868	0.025	0.038	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1354.49	
26	0.6517	1076.7	1095.7	1095.1	1.018	2.716	81.419	13.959	0.827	0.023	0.036	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1357.28	
27	0.6574	1086.6	1105.8	1105.2	0.996	2.674	80.578	14.799	0.882	0.026	0.041	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1363.87	
28	0.6562	1082.5	1101.7	1101.1	1.029	2.755	80.747	14.537	0.865	0.025	0.039	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1360.03	
29	0.6548	1071.6	1090.6	1090.0	1.092	3.194	81.088	13.684	0.882	0.024	0.035	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1347.80	
30	0.6544	1062.4	1081.2	1080.6	1.186	3.576	81.178	13.114	0.889	0.023	0.033	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1336.61	
31	0.6564	1068.2	1087.1	1086.5	1.164	3.451	80.857	13.525	0.943	0.024	0.034	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1341.77	
Avg	0.6753	1110.0	1129.7	1129.1	0.723	3.339	77.576	16.410	1.769	0.058	0.106	0.007	0.005	0.000	0.000	0.000	0.000	0.000	1374.67	

Source Daily Summary

August 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	0.6972	1139.5	1159.6	1158.1	1.172	2.945	72.078	23.270	0.520	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.79	-24.65
2	0.6975	1140.3	1160.5	1159.0	1.160	2.932	72.023	23.353	0.516	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.62	-24.50
3	0.6974	1140.3	1160.5	1158.9	1.157	2.935	72.012	23.372	0.509	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.62	-24.53
4	0.6973	1140.4	1160.5	1158.9	1.148	2.929	72.048	23.341	0.518	0.007	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.84	-24.53
5	0.6974	1140.4	1160.6	1158.9	1.153	2.933	72.005	23.382	0.512	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.78	-24.48
6	0.6975	1140.3	1160.5	1158.9	1.162	2.936	72.001	23.366	0.519	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.50	-24.44
7	0.6972	1140.0	1160.2	1158.6	1.159	2.933	72.053	23.325	0.515	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.42	-24.59
8	0.6970	1139.3	1159.5	1157.9	1.165	2.939	72.098	23.292	0.490	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.85	-24.87
9	0.6963	1138.7	1158.8	1157.6	1.157	2.930	72.225	23.180	0.491	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.72	-25.13
10	0.6966	1139.5	1159.7	1158.4	1.158	2.906	72.170	23.253	0.498	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.45	-24.91
11	0.6969	1140.0	1160.2	1158.8	1.168	2.883	72.149	23.273	0.511	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.81	-24.70
12	0.6977	1141.3	1161.6	1160.1	1.148	2.914	71.958	23.442	0.522	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.57	-24.23
13	0.6973	1140.2	1160.4	1159.0	1.158	2.927	72.057	23.316	0.525	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.62	-24.50
14	0.6976	1140.8	1161.0	1159.6	1.152	2.929	71.988	23.388	0.526	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.06	-24.32
15	0.6971	1139.9	1160.1	1158.8	1.159	2.929	72.072	23.317	0.507	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.42	-24.65
16	0.6968	1139.2	1159.3	1158.0	1.166	2.932	72.160	23.206	0.519	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.84	-24.82
17	0.6968	1138.8	1159.0	1157.5	1.177	2.938	72.161	23.193	0.514	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1388.41	-24.86
18	0.6982	1141.9	1162.2	1160.5	1.162	2.905	71.892	23.485	0.539	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.79	-23.93
19	0.6978	1141.6	1161.8	1160.1	1.143	2.918	71.957	23.417	0.548	0.007	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.74	-24.08
20	0.6980	1141.7	1162.0	1159.9	1.151	2.914	71.965	23.366	0.586	0.007	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.74	-23.86
21	0.6972	1140.0	1160.2	1158.7	1.163	2.926	72.055	23.337	0.503	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.44	-24.64
22	0.6970	1139.5	1159.7	1158.3	1.166	2.927	72.101	23.295	0.494	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.11	-24.80
23	0.6973	1139.8	1159.9	1158.5	1.170	2.933	72.039	23.351	0.491	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.11	-24.67
24	0.6971	1139.6	1159.8	1158.0	1.162	2.939	72.069	23.322	0.493	0.006	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.10	-24.77
25	0.6971	1139.9	1160.1	1158.5	1.160	2.926	72.051	23.371	0.478	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.44	-24.79
26	0.6985	1142.0	1162.2	1160.6	1.159	2.930	71.860	23.481	0.545	0.008	0.015	0.001	0.001	0.001	0.000	0.000	0.000	0.000	1390.60	-23.71
27	0.6978	1140.6	1160.8	1159.1	1.167	2.932	71.953	23.417	0.514	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.66	-24.34
28	0.6976	1140.1	1160.3	1158.7	1.167	2.950	71.964	23.405	0.498	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.19	-24.52
29	0.6982	1141.2	1161.4	1159.7	1.167	2.931	71.876	23.496	0.512	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1390.03	-24.11
30	0.6977	1140.6	1160.8	1159.3	1.155	2.942	71.965	23.407	0.514	0.006	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.72	-24.39
31	0.6978	1140.7	1160.9	1159.2	1.168	2.928	71.947	23.438	0.504	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.74	-24.38
Avg	0.6974	1140.0	1160.5	1158.9	1.161	2.928	72.031	23.350	0.514	0.007	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1389.60	-24.51

Source Daily Summary

August 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	0.6418	1051.4	1070.0	1062.8	1.275	2.927	83.968	10.895	0.883	0.019	0.029	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1335.62	-54.34
2	0.6409	1050.5	1069.1	1059.6	1.264	2.918	84.094	10.828	0.847	0.018	0.028	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1335.37	-55.11
3	0.6400	1049.3	1067.9	1059.5	1.260	2.907	84.272	10.673	0.838	0.018	0.028	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1334.85	-55.73
4	0.6424	1051.3	1069.9	1060.2	1.281	2.977	83.856	10.935	0.897	0.020	0.030	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1334.92	-54.11
5	0.6565	1075.3	1094.3	1085.5	1.268	2.865	81.600	12.717	1.465	0.032	0.048	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1350.54	-41.17
6	0.6403	1047.7	1066.3	1056.5	1.289	2.990	84.227	10.608	0.829	0.020	0.032	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1332.50	-55.63
7	0.6497	1065.3	1084.2	1075.3	1.274	2.825	82.641	12.048	1.150	0.023	0.035	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1345.02	-47.39
8	0.6466	1061.0	1079.7	1073.3	1.272	2.797	83.213	11.586	1.069	0.024	0.036	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1342.78	-49.60
9	0.6381	1047.8	1066.3	1060.4	1.249	2.837	84.615	10.464	0.784	0.019	0.029	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1334.91	-56.89
10	0.6433	1050.7	1069.4	1061.8	1.333	3.017	83.701	11.025	0.868	0.020	0.031	0.002	0.002	0.001	0.000	0.000	0.000	0.000	1333.28	-53.65
11	0.6390	1043.5	1062.0	1054.8	1.326	3.072	84.413	10.394	0.747	0.017	0.026	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1328.44	-57.65
12	0.6442	1052.3	1071.0	1062.4	1.314	3.038	83.571	11.067	0.958	0.020	0.030	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1334.30	-52.77
13	0.6389	1043.4	1061.9	1052.0	1.317	3.080	84.465	10.304	0.788	0.017	0.025	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1328.47	-57.60
14	0.6415	1047.9	1066.4	1058.5	1.322	3.044	84.025	10.697	0.860	0.019	0.029	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1331.47	-55.13
15	0.6406	1045.7	1064.3	1056.0	1.337	3.066	84.176	10.555	0.817	0.018	0.027	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1329.69	-56.19
16	0.6399	1045.5	1064.0	1055.8	1.320	3.040	84.310	10.457	0.824	0.018	0.027	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1330.13	-56.45
17	0.6540	1068.6	1087.5	1077.8	1.318	2.956	81.986	12.356	1.309	0.029	0.042	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1344.77	-44.20
18	0.6469	1055.7	1074.4	1068.3	1.356	3.027	83.031	11.598	0.935	0.020	0.030	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1335.73	-51.30
19	0.6487	1052.0	1070.7	1063.5	1.388	3.362	82.681	11.558	0.957	0.020	0.030	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1329.38	-51.12
20	0.6442	1043.2	1061.7	1054.1	1.426	3.424	83.397	10.957	0.753	0.016	0.024	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1322.78	-55.80
21	0.6434	1042.0	1060.5	1055.3	1.422	3.424	83.564	10.800	0.745	0.017	0.025	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1322.11	-56.31
22	0.6422	1047.2	1065.7	1061.6	1.387	3.052	83.863	10.873	0.778	0.017	0.026	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1329.86	-55.63
23	0.6418	1047.3	1065.9	1062.1	1.377	3.019	83.905	10.911	0.741	0.017	0.026	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1330.49	-55.91
24	0.6440	1050.7	1069.4	1065.7	1.391	2.999	83.499	11.292	0.773	0.018	0.026	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1332.53	-54.25
25	0.6412	1046.0	1064.6	1060.6	1.341	3.094	83.970	10.815	0.733	0.017	0.025	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1329.49	-56.50
26	0.6442	1051.4	1070.1	1065.6	1.378	2.996	83.470	11.308	0.799	0.018	0.027	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1333.19	-53.88
27	0.6479	1054.4	1073.1	1068.4	1.478	3.013	82.799	11.866	0.795	0.018	0.027	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1333.13	-51.90
28	0.6486	1056.2	1074.9	1070.0	1.478	2.969	82.732	11.921	0.850	0.018	0.028	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1334.64	-50.99
29	0.6472	1053.5	1072.1	1067.6	1.479	3.004	82.941	11.736	0.792	0.017	0.026	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1332.62	-52.35
30	0.6496	1058.7	1077.5	1073.5	1.464	2.927	82.557	12.111	0.888	0.019	0.029	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1336.86	-49.94
31	0.6475	1056.2	1074.9	1071.1	1.462	2.885	82.947	11.818	0.836	0.019	0.029	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1335.85	-51.46
Avg	0.6444	1052.0	1070.6	1063.9	1.350	3.018	83.500	11.199	0.881	0.019	0.029	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1333.73	-53.26

August-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	
8/1/2025	8/2/2025	0	0	0	927	1,120	1208.2	1208.200	8/1/2025
8/2/2025	8/3/2025	0	0	0	898	1,089	1211.8	1211.800	8/2/2025
8/3/2025	8/4/2025	0	0	0	861	1,044	1212.3	1212.300	8/3/2025
8/4/2025	8/5/2025	0	0	0	1,086	1,316	1211.2	1211.200	8/4/2025
8/5/2025	8/6/2025	3,952	4,291	1,086	1,017	1,231	1210.4	1111.699	8/5/2025
8/6/2025	8/7/2025	14,562	15,815	1,088	990	1,195	1206.8	1095.750	8/6/2025
8/7/2025	8/8/2025	0	0	0	934	1,126	1206.4	1206.400	8/7/2025
8/8/2025	8/9/2025	0	0	0	961	1,162	1208.8	1208.800	8/8/2025
8/9/2025	8/10/2025	0	0	0	924	1,115	1206.6	1206.600	8/9/2025
8/10/2025	8/11/2025	15,215	16,523	1,086	902	1,093	1211.6	1092.840	8/10/2025
8/11/2025	8/12/2025	13,397	14,581	1,088	975	1,178	1208.5	1095.709	8/11/2025
8/12/2025	8/13/2025	17,965	19,556	1,087	972	1,173	1206.7	1093.144	8/12/2025
8/13/2025	8/14/2025	0	0	0	949	1,146	1207.3	1207.300	8/13/2025
8/14/2025	8/15/2025	5,050	5,465	1,083	1,039	1,257	1209.7	1104.951	8/14/2025
8/15/2025	8/16/2025	4,743	5,124	1,080	909	1,096	1205.5	1100.436	8/15/2025
8/16/2025	8/17/2025	0	0	0	861	1,041	1209.1	1209.100	8/16/2025
8/17/2025	8/18/2025	5,282	5,698	1,079	865	1,045	1208.4	1096.951	8/17/2025
8/18/2025	8/19/2025	24,676	26,610	1,079	998	1,210	1212.6	1084.482	8/18/2025
8/19/2025	8/20/2025	20,898	22,513	1,077	856	1,032	1205.3	1082.433	8/19/2025
8/20/2025	8/21/2025	956	1,035	1,083	0	0	1200.8	1082.600	8/20/2025
8/21/2025	8/22/2025	7,416	8,015	1,085	820	990	1207.4	1096.916	8/21/2025
8/22/2025	8/23/2025	0	0	0	894	1,077	1204.6	1204.600	8/22/2025
8/23/2025	8/24/2025	0	0	0	830	1,000	1204.7	1204.700	8/23/2025
8/24/2025	8/25/2025	30	32	1,077	855	1,029	1204.2	1199.875	8/24/2025
8/25/2025	8/26/2025	2,358	2,540	1,078	964	1,161	1204.2	1114.905	8/25/2025
8/26/2025	8/27/2025	2,119	2,282	1,080	841	1,014	1205.5	1115.944	8/26/2025
8/27/2025	8/28/2025	10,543	11,405	1,082	840	1,013	1206.9	1091.124	8/27/2025
8/28/2025	8/29/2025	10,768	11,631	1,082	866	1,044	1205.5	1091.286	8/28/2025
8/29/2025	8/30/2025	5,205	5,628	1,079	789	951	1206.4	1096.117	8/29/2025
8/30/2025	8/31/2025	0	0	0	753	909	1208.0	1208.000	8/30/2025
8/31/2025	9/1/2025	0	0	0	677	817	1206.7	1206.700	8/31/2025
		165,135	178,744	628.3871	27,053	32,674	1207.4871	1146.8665	



Alliance Pipeline

DAILY ANALYSIS --- USA
 ND07MD1 --- Hankinson Sales
 August 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	1,153.156	0.6590	84.3647	10.0921	3.2464	0.3271	0.5673	0.0626	0.0518	0.0223	0.8541	0.4035	0.0082
2	1,154.098	0.6597	84.3562	10.0315	3.2625	0.3381	0.5872	0.0683	0.0576	0.0268	0.8539	0.4096	0.0082
3	1,155.094	0.6604	84.2672	10.0700	3.2978	0.3442	0.5965	0.0664	0.0567	0.0251	0.8620	0.4055	0.0085
4	1,154.605	0.6602	84.2483	10.1023	3.2940	0.3374	0.5894	0.0645	0.0531	0.0231	0.8657	0.4139	0.0082
5	1,156.144	0.6619	83.9798	10.2325	3.3654	0.3365	0.5971	0.0629	0.0526	0.0230	0.9174	0.4244	0.0084
6	1,156.314	0.6624	83.8779	10.3056	3.3786	0.3350	0.5927	0.0588	0.0511	0.0225	0.9290	0.4393	0.0093
7	1,156.400	0.6614	84.1074	10.1831	3.3547	0.3379	0.5999	0.0624	0.0523	0.0231	0.8388	0.4311	0.0094
8	1,154.511	0.6596	84.3136	10.1365	3.2908	0.3304	0.5626	0.0616	0.0520	0.0228	0.7990	0.4209	0.0097
9	1,154.649	0.6601	84.2722	10.1089	3.3095	0.3323	0.5730	0.0631	0.0537	0.0239	0.8270	0.4270	0.0096
10	1,153.741	0.6597	84.2441	10.1732	3.2834	0.3262	0.5544	0.0604	0.0508	0.0224	0.8455	0.4301	0.0096
11	1,155.196	0.6607	84.0959	10.2727	3.3248	0.3264	0.5583	0.0611	0.0506	0.0219	0.8529	0.4257	0.0097
12	1,154.741	0.6603	84.1518	10.2389	3.3116	0.3251	0.5524	0.0622	0.0522	0.0229	0.8479	0.4254	0.0097
13	1,154.483	0.6603	84.1156	10.2692	3.3046	0.3227	0.5570	0.0595	0.0496	0.0205	0.8631	0.4284	0.0097
14	1,154.720	0.6608	84.0511	10.2820	3.3167	0.3239	0.5669	0.0600	0.0494	0.0199	0.8845	0.4357	0.0097
15	1,153.271	0.6599	84.1553	10.2480	3.2658	0.3205	0.5551	0.0585	0.0490	0.0195	0.8903	0.4293	0.0088
16	1,154.606	0.6601	84.1146	10.3425	3.2573	0.3203	0.5530	0.0605	0.0514	0.0230	0.8552	0.4131	0.0090
17	1,153.046	0.6594	84.2167	10.2569	3.2369	0.3168	0.5494	0.0590	0.0480	0.0206	0.8622	0.4248	0.0087
18	1,153.521	0.6595	84.1828	10.2933	3.2533	0.3163	0.5433	0.0562	0.0485	0.0218	0.8600	0.4159	0.0084
19	1,154.798	0.6604	84.1270	10.2598	3.3072	0.3261	0.5619	0.0596	0.0492	0.0214	0.8614	0.4181	0.0084
20	1,152.933	0.6590	84.2587	10.2522	3.2407	0.3143	0.5382	0.0565	0.0479	0.0207	0.8447	0.4174	0.0087
21	1,152.992	0.6590	84.2726	10.2237	3.2387	0.3183	0.5489	0.0558	0.0484	0.0207	0.8578	0.4066	0.0084
22	1,152.522	0.6588	84.3250	10.1573	3.2349	0.3201	0.5538	0.0570	0.0485	0.0209	0.8596	0.4143	0.0087
23	1,152.403	0.6591	84.2623	10.1797	3.2489	0.3180	0.5521	0.0558	0.0476	0.0202	0.8918	0.4149	0.0086
24	1,151.957	0.6588	84.3225	10.1446	3.2307	0.3191	0.5491	0.0587	0.0479	0.0196	0.8740	0.4250	0.0088
25	1,153.185	0.6595	84.1962	10.2458	3.2572	0.3191	0.5487	0.0592	0.0483	0.0197	0.8832	0.4135	0.0090
26	1,155.886	0.6610	84.0832	10.2453	3.3296	0.3338	0.5783	0.0644	0.0531	0.0229	0.8672	0.4132	0.0090
27	1,157.338	0.6624	83.9078	10.3345	3.3560	0.3407	0.5923	0.0674	0.0551	0.0246	0.8887	0.4229	0.0099
28	1,155.640	0.6610	84.1687	10.1352	3.3198	0.3426	0.5903	0.0676	0.0571	0.0255	0.8647	0.4190	0.0095
29	1,156.317	0.6616	84.0448	10.2322	3.3390	0.3415	0.5914	0.0645	0.0554	0.0237	0.8765	0.4213	0.0098
30	1,158.315	0.6632	83.7986	10.3814	3.3829	0.3470	0.6048	0.0671	0.0551	0.0237	0.8970	0.4324	0.0100
31	1,157.902	0.6631	83.8300	10.3405	3.3814	0.3464	0.6064	0.0677	0.0545	0.0238	0.9113	0.4284	0.0096
Volume	1,154.657	0.6604	84.1517	10.2187	3.2974	0.3291	0.5700	0.0616	0.0516	0.0223	0.8675	0.4210	0.0091
Weight Avg Energy	1,154.659	0.6604	84.1515	10.2187	3.2974	0.3292	0.5700	0.0616	0.0516	0.0223	0.8676	0.4210	0.0091



Alliance Pipeline

DAILY ANALYSIS --- USA
 ND14MD1 --- Milnor Sales
 August 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	1,153.064	0.6589	84.3759	10.0837	3.2437	0.3274	0.5669	0.0625	0.0519	0.0227	0.8541	0.4032	0.0081
2	1,154.194	0.6598	84.3416	10.0282	3.2697	0.3391	0.5893	0.0685	0.0577	0.0269	0.8625	0.4082	0.0083
3	1,154.825	0.6601	84.3196	10.0366	3.2895	0.3452	0.5960	0.0667	0.0565	0.0249	0.8474	0.4089	0.0087
4	1,155.208	0.6607	84.1587	10.1718	3.3086	0.3361	0.5895	0.0638	0.0527	0.0229	0.8740	0.4137	0.0082
5	1,155.915	0.6619	83.9830	10.2307	3.3629	0.3355	0.5943	0.0622	0.0522	0.0230	0.9210	0.4267	0.0084
6	1,156.268	0.6622	83.9183	10.2864	3.3715	0.3354	0.5942	0.0588	0.0512	0.0226	0.9160	0.4360	0.0094
7	1,156.423	0.6615	84.0877	10.1862	3.3608	0.3380	0.6004	0.0624	0.0523	0.0230	0.8467	0.4332	0.0093
8	1,154.505	0.6596	84.3032	10.1452	3.2913	0.3296	0.5607	0.0618	0.0521	0.0231	0.8011	0.4223	0.0097
9	1,154.574	0.6601	84.2650	10.1153	3.3082	0.3315	0.5714	0.0629	0.0536	0.0239	0.8307	0.4280	0.0095
10	1,154.013	0.6599	84.2085	10.1960	3.2930	0.3261	0.5551	0.0602	0.0504	0.0221	0.8482	0.4306	0.0097
11	1,155.259	0.6607	84.0969	10.2736	3.3243	0.3265	0.5589	0.0614	0.0508	0.0221	0.8514	0.4244	0.0097
12	1,154.653	0.6603	84.1520	10.2397	3.3107	0.3247	0.5510	0.0618	0.0520	0.0228	0.8497	0.4259	0.0097
13	1,154.624	0.6604	84.1099	10.2691	3.3077	0.3234	0.5597	0.0600	0.0496	0.0203	0.8617	0.4289	0.0097
14	1,154.403	0.6607	84.0644	10.2723	3.3089	0.3236	0.5656	0.0596	0.0493	0.0199	0.8910	0.4358	0.0096
15	1,153.353	0.6599	84.1528	10.2543	3.2656	0.3206	0.5541	0.0587	0.0492	0.0197	0.8886	0.4277	0.0088
16	1,154.598	0.6601	84.1105	10.3462	3.2582	0.3196	0.5525	0.0604	0.0511	0.0230	0.8554	0.4140	0.0090
17	1,153.216	0.6594	84.2058	10.2715	3.2405	0.3158	0.5493	0.0584	0.0479	0.0205	0.8604	0.4213	0.0087
18	1,153.514	0.6595	84.1870	10.2804	3.2568	0.3175	0.5446	0.0564	0.0486	0.0218	0.8599	0.4185	0.0084
19	1,154.523	0.6601	84.1607	10.2455	3.2977	0.3253	0.5596	0.0593	0.0490	0.0213	0.8576	0.4155	0.0084
20	1,153.055	0.6591	84.2497	10.2504	3.2428	0.3157	0.5418	0.0567	0.0482	0.0209	0.8475	0.4176	0.0087
21	1,152.714	0.6587	84.3015	10.2111	3.2293	0.3174	0.5467	0.0557	0.0484	0.0207	0.8575	0.4033	0.0084
22	1,152.697	0.6589	84.3085	10.1733	3.2394	0.3195	0.5527	0.0567	0.0485	0.0211	0.8571	0.4146	0.0086
23	1,152.082	0.6589	84.2844	10.1713	3.2393	0.3163	0.5498	0.0557	0.0474	0.0202	0.8897	0.4174	0.0086
24	1,152.626	0.6592	84.2807	10.1613	3.2490	0.3224	0.5536	0.0594	0.0486	0.0199	0.8741	0.4222	0.0087
25	1,153.321	0.6596	84.1714	10.2729	3.2581	0.3179	0.5469	0.0590	0.0482	0.0196	0.8838	0.4132	0.0090
26	1,156.260	0.6613	84.0633	10.2502	3.3395	0.3356	0.5822	0.0651	0.0534	0.0232	0.8662	0.4123	0.0091
27	1,157.178	0.6623	83.9278	10.3180	3.3503	0.3413	0.5927	0.0677	0.0554	0.0250	0.8883	0.4236	0.0099
28	1,155.562	0.6609	84.1757	10.1312	3.3171	0.3425	0.5902	0.0674	0.0573	0.0255	0.8657	0.4179	0.0095
29	1,156.387	0.6616	84.0379	10.2393	3.3402	0.3414	0.5914	0.0642	0.0552	0.0238	0.8752	0.4217	0.0098
30	1,158.500	0.6634	83.7856	10.3799	3.3890	0.3478	0.6074	0.0678	0.0557	0.0243	0.9007	0.4319	0.0100
31	1,156.984	0.6624	83.9018	10.3111	3.3576	0.3427	0.5986	0.0665	0.0533	0.0230	0.9078	0.4282	0.0095
Volume	1,154.666	0.6604	84.1481	10.2223	3.2987	0.3287	0.5694	0.0613	0.0514	0.0223	0.8676	0.4211	0.0091
Weight Avg Energy	1,154.670	0.6604	84.1481	10.2223	3.2988	0.3288	0.5694	0.0613	0.0514	0.0223	0.8675	0.4210	0.0091

August-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		
8/1/2025	8/2/2025	32	39	1206.5	65	69	1052.4	1103.237	8/1/2025
8/2/2025	8/3/2025	21	26	1206.5	52	55	1052.4	1096.730	8/2/2025
8/3/2025	8/4/2025	33	40	1206.5	54	57	1052.4	1110.852	8/3/2025
8/4/2025	8/5/2025	27	33	1206.5	66	70	1052.4	1097.139	8/4/2025
8/5/2025	8/6/2025	48	58	1206.5	74	78	1052.4	1113.030	8/5/2025
8/6/2025	8/7/2025	40	48	1206.5	57	60	1052.4	1115.946	8/6/2025
8/7/2025	8/8/2025	51	61	1206.5	63	66	1052.4	1121.339	8/7/2025
8/8/2025	8/9/2025	61	74	1206.5	72	76	1052.4	1123.077	8/8/2025
8/9/2025	8/10/2025	68	82	1206.5	65	68	1052.4	1131.188	8/9/2025
8/10/2025	8/11/2025	74	89	1206.5	48	51	1052.4	1145.870	8/10/2025
8/11/2025	8/12/2025	83	101	1206.5	15	16	1052.4	1182.913	8/11/2025
8/12/2025	8/13/2025	70	84	1206.5	0	0	1052.4	1206.500	8/12/2025
8/13/2025	8/14/2025	46	55	1206.5	0	0	1052.4	1206.500	8/13/2025
8/14/2025	8/15/2025	43	52	1206.5	0	0	1052.4	1206.500	8/14/2025
8/15/2025	8/16/2025	14	17	1206.5	100	105	1052.4	1071.325	8/15/2025
8/16/2025	8/17/2025	0	0	1206.5	117	123	1052.4	1052.400	8/16/2025
8/17/2025	8/18/2025	1	1	1206.5	130	137	1052.4	1053.576	8/17/2025
8/18/2025	8/19/2025	14	17	1206.5	99	105	1052.4	1071.492	8/18/2025
8/19/2025	8/20/2025	19	22	1206.5	66	70	1052.4	1086.846	8/19/2025
8/20/2025	8/21/2025	21	25	1206.5	60	63	1052.4	1092.352	8/20/2025
8/21/2025	8/22/2025	28	33	1206.5	96	101	1052.4	1087.197	8/21/2025
8/22/2025	8/23/2025	38	45	1206.5	93	98	1052.4	1097.101	8/22/2025
8/23/2025	8/24/2025	43	52	1206.5	94	99	1052.4	1100.767	8/23/2025
8/24/2025	8/25/2025	64	77	1206.5	82	87	1052.4	1119.951	8/24/2025
8/25/2025	8/26/2025	31	38	1206.5	79	83	1052.4	1095.828	8/25/2025
8/26/2025	8/27/2025	24	29	1206.5	68	72	1052.4	1092.600	8/26/2025
8/27/2025	8/28/2025	40	49	1206.5	72	75	1052.4	1107.436	8/27/2025
8/28/2025	8/29/2025	32	39	1206.5	57	60	1052.4	1107.807	8/28/2025
8/29/2025	8/30/2025	27	33	1206.5	58	62	1052.4	1101.349	8/29/2025
8/30/2025	8/31/2025	34	41	1206.5	75	79	1052.4	1100.468	8/30/2025
8/31/2025	9/1/2025	26	31	1206.5	73	76	1052.4	1092.871	8/31/2025
		1,153	1,391	1206.5000	2,050	2,161	1052.4000	1112.6512	

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	AUG25	JUL25	JUN25	MAY25	APR25	MAR25	FEB25	JAN25	DEC24	NOV24	OCT24	SEP24
MT/ND	211	Sidney Border - MonDak Tfr - Sidney Plt	1185	1193	1186	1185	1181	1193	1186	1173	1183	1183	1184	1182	1191
ND	24	Williston Border - Charbonneau Station	1190	1202	1193	1191	1177	1194	1206	1197	1185	1182	1179	1187	1187
ND	25	Watford City West Border	1198	1206	1209	1202	1198	1198	1201	1206	1191	1193	1186	1194	1194
ND	28	Bismarck Station - Glen Ullin Station	1169	1208	1207	1205	1189	1172	1126	1116	1134	1136	1159	1171	1204
ND	31	Dickinson Brd - Belfield Trf - G Ullin Stn	1121	1087	1135	1110	1111	1110	1131	1129	1137	1139	1144	1111	1106
ND/MT	32	Cabin Creek Station - Belfied Transfer	1132	1130	1129	1136	1122	1135	1130	1133	1134	1130	1135	1139	1128
ND	33	Little Knife Plant	1162	1161	1160	1161	1163	1162	1162	1162	1164	1162	1163	1165	1162
ND	34	Badlands Plant/Bowman Border	1084	1071	1066	1065	1070	1067	1097	1097	1104	1104	1127	1110	1034
ND	43	Watford City East Border	1076	1052	1057	1044	1040	1041	1041	1094	1107	1107	1110	1112	1112
ND/MT	241	Fairview Border	1186	1199	1194	1186	1186	1186	1191	1182	1183	1181	1180	1185	1183
ND	267	North Tioga Transfer - Nesson Plant	1190	1171	1188	1183	1185	1188	1197	1197	1194	1204	1191	1191	1195
ND	261	Tioga Comp Station - Robinson Lake Plant	1203	1206	1206	1198	1197	1198	1204	1209	1198	1209	1208	1208	1195
ND	262	Minot Bdr - Palermo Bdr - Bismarck Stn	1206	1206	1206	1204	1203	1200	1205	1210	1207	1209	1207	1210	1203
ND	263	Lignite Plant	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131
ND	264	Epping Border	1185	1193	1192	1180	1186	1186	1201	1202	1174	1174	1166	1183	1188
ND	265	Tioga Comp Station - County Line Plant	1187	1201	1204	1183	1180	1181	1184	1190	1191	1191	1180	1175	1179
ND	266	County Line Plant	1189	1210	1211	1186	1182	1182	1186	1193	1189	1192	1182	1177	1181
ND	271	Bismarck Station - Cleveland Station	1197	1208	1207	1205	1205	1201	1195	1158	1182	1190	1200	1212	1204
ND	272	Cleveland Station - Mapleton	1196	1207	1205	1204	1203	1200	1194	1157	1182	1190	1200	1211	1202
ND	273	Cleveland Station - Grafton Border	1196	1208	1205	1205	1202	1193	1194	1157	1182	1189	1199	1211	1202
ND	274	Felton(Viking) - Kindred-Wahpeton	0	1043	1054	1047	1049	1046	1047	1050	1050	1050	0	0	0
ND	550	Mandan Border / NBPL-St Anthony	1145	1147	1140	1155	1175	1165	1105	1102	1120	1115	1156	1164	1198
ND	610	MDU-Watford City BTU	1108	1113	1067	1055	1086	1100	1096	1131	1133	1135	1139	1130	1115
ND	802	NBPL - Linton	1088	1083	1086	1077	1077	1076	1080	1085	1093	1093	1100	1099	1103
ND	903	Hettinger Propane	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549
ND	600	Alliance Pipeline - Hankinson	1154	1155	1153	1151	1154	1153	1150	1153	1155	1155	1155	1157	1159
ND	601	Alliance Pipeline - Milnor	1154	1155	1153	1151	1155	1153	1150	1153	1154	1155	1155	1157	1160

THERMAL ZONE VARIANCE DOCUMENTATION		
August 2025		
<i>ZONE</i>	<i>BTU VARIANCE</i>	<i>REASON</i>
31	-48	Operational/Blend
610	46	Operational/Blend