



A Subsidiary of MDU Resources Group, Inc.

400 North Fourth Street
Bismarck, ND 58501
701-222-7900
www.montana-dakota.com

May 19, 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 – March 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 April 2025.
2. Attachment B consists of copies of the monthly Heating Value Test Reports received from our suppliers for the month of March 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 March 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
Apr-25

Town	Heat Zone	Therm Factor
MDU-303-ALEXANDER	025	1.1391
MDU-308-ARNEGARD	025	1.1391
MDU-314-APPLE VALLEY	271	1.1173
MDU-318-BEACH	032	1.0470
MDU-319-BELFIELD	032	1.0547
MDU-323-BERTHOLD	262	1.1428
MDU-327-BISMARCK	028	1.0768
MDU-330-BOWMAN	034	1.0063
MDU-337-BURLINGTON	262	1.1675
MDU-343-CARRINGTON	273	1.1164
MDU-719-CASSELTON	272	1.1242
MDU-344-CLEVELAND	272	1.1085
MDU-364-CAVALIER	273	1.1399
MDU-365-DAWSON	271	1.1095
MDU-368-DES LACS	262	1.1510
MDU-369-DICKINSON	031	1.0587
MDU-374-FT TOTTEN	273	1.1242
MDU-375-DEVILS LAKE	273	1.1242
MDU-379-BARLOW	273	1.1164
MDU-384-EPPING	264	1.1353
MDU-387-ELDRIDGE	272	1.1164
MDU-407-GLADSTONE	031	1.0587
MDU-411-GLEN ULLIN	031	1.0663
MDU-413-GOLVA	032	1.0317
MDU-416-GARRISON	262	1.1511
MDU-417-GRAFTON	273	1.1478
MDU-403-GWINNER	601	1.1360
MDU-429-HEBRON	031	1.0663
MDU-432-HETTINGER	903	2.4049
MDU-449-JAMESTOWN	272	1.1242
MDU-459-KILLDEER	033	1.0975
MDU-751-KINDRED	272	1.1242
MDU-463-LANGDON	273	1.1164
MDU-469-LEFOR	031	1.0587
MDU-474-LIGNITE	263	1.0759
MDU-475-LINTON	802	1.0469
MDU-478-LINCOLN	028	1.0768
MDU-488-MCKENZIE	271	1.1173
MDU-494-MEDINA	271	1.1095
MDU-498-MANDAN	028	1.0768
MDU-500-MARMARTH	034	1.0138
MDU-505-MINOT	262	1.1675
MDU-510-MOTT	031	1.0587
MDU-512-MAX	262	1.1675
MDU-513-MILNOR	601	1.1360
MDU-522-NEW ENGLAND	031	1.0510
MDU-524-NEW SALEM	028	1.0541
MDU-532-NEW ROCKFORD	273	1.1164
MDU-539-PARK RIVER	273	1.1399

MDU-540-PALERMO	262	1.1428
MDU-558-RAY	264	1.1353
MDU-561-REGENT	031	1.0510
MDU-563-RHAME	034	0.9989
MDU-564-RICHARDTON	031	1.0510
MDU-568-ROSS	261	1.1337
MDU-572-RUTHVILLE	262	1.1627
MDU-574-SANBORN	272	1.1242
MDU-583-SENTINEL BUTTE	032	1.0470
MDU-588-SOUTH HEART	031	1.0510
MDU-717-SPIRITWOOD	272	1.1242
MDU-590-SPRINGBROOK	264	1.1353
MDU-591-STANLEY	261	1.1419
MDU-593-STEELE	271	1.1095
MDU-594-STERLING	028	1.0768
MDU-598-SHEYENNE	273	1.1242
MDU-605-SURREY	262	1.1675
MDU-610-TAPPEN	271	1.1095
MDU-611-TAYLOR	031	1.0510
MDU-616-TIOGA	260	1.1224
MDU-619-TURTLE LAKE	262	1.1511
MDU-620-TRENTON	024	1.1387
MDU-624-UNDERWOOD	262	1.1511
MDU-625-VALLEY CITY	272	1.1321
MDU-629-WALHALLA	273	1.1399
MDU-632-WATFORD CITY	610	1.0682
MDU-104-WAHPETON	247	1.0302
MDU-636-WHEELLOCK	264	1.1271
MDU-637-WHITE EARTH	261	1.1419
MDU-642-WILLISTON	024	1.1387
MDU-646-WASHBURN	262	1.1511
MDU-647-WILTON	262	1.1428
MDU-664-RIVERDALE	262	1.1511
MDU-691-FAIRVIEW	241	1.1244
MDU-712-MINOT AFB	262	1.1675
MDU-718-FAIRMOUNT	600	1.1336
MDU-732-NEKOMA	273	1.1164
MDU-732-MSR SITE	273	1.1164

Source Daily Summary

March 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	0.6932	1154.4	1174.9	1174.6	0.144	3.200	73.472	21.104	1.998	0.031	0.047	0.001	0.001	0.002	0.000	0.000	0.000	0.000	1411.18	
2	0.7304	1173.4	1194.2	1193.8	1.359	3.691	69.362	21.544	3.573	0.154	0.283	0.013	0.010	0.011	0.000	0.000	0.000	0.000	1397.22	
3	0.6909	1151.4	1171.8	1171.5	0.118	3.207	73.848	20.818	1.925	0.031	0.048	0.001	0.001	0.002	0.000	0.000	0.000	0.000	1409.83	
4	0.6992	1157.6	1178.1	1177.8	0.352	3.254	72.831	21.173	2.237	0.053	0.091	0.003	0.002	0.003	0.000	0.000	0.000	0.000	1409.05	
5	0.6921	1149.5	1169.9	1169.6	0.231	3.261	73.588	20.864	1.950	0.038	0.063	0.002	0.001	0.002	0.000	0.000	0.000	0.000	1406.37	
6	0.7016	1156.8	1177.3	1177.0	0.463	3.359	72.582	21.092	2.316	0.064	0.111	0.005	0.004	0.004	0.000	0.000	0.000	0.000	1405.72	
7	0.7130	1162.8	1183.4	1183.1	0.866	3.451	71.307	21.320	2.751	0.100	0.182	0.009	0.006	0.007	0.000	0.000	0.000	0.000	1401.65	
8	0.7243	1167.9	1188.5	1188.2	1.258	3.610	70.105	21.335	3.279	0.136	0.246	0.012	0.008	0.009	0.000	0.000	0.000	0.000	1396.57	
9	0.7302	1173.5	1194.2	1193.9	1.382	3.628	69.439	21.506	3.583	0.151	0.277	0.014	0.011	0.010	0.000	0.000	0.000	0.000	1397.55	
10	0.7297	1172.4	1193.2	1192.9	1.382	3.645	69.299	21.857	3.369	0.145	0.270	0.013	0.010	0.010	0.000	0.000	0.000	0.000	1396.79	
11	0.7303	1174.7	1195.5	1195.2	1.373	3.579	69.150	22.093	3.370	0.141	0.262	0.013	0.010	0.010	0.000	0.000	0.000	0.000	1398.89	
12	0.7191	1168.4	1189.1	1188.7	1.004	3.472	70.494	21.718	2.971	0.110	0.204	0.010	0.008	0.008	0.000	0.000	0.000	0.000	1402.38	
13	0.7319	1176.8	1197.7	1197.3	1.376	3.591	69.007	22.062	3.507	0.147	0.273	0.014	0.011	0.011	0.000	0.000	0.000	0.000	1399.95	
14	0.6988	1156.1	1176.6	1176.3	0.367	3.288	72.924	21.020	2.250	0.053	0.088	0.003	0.003	0.004	0.000	0.000	0.000	0.000	1407.63	
15	0.7280	1176.6	1197.4	1197.1	1.189	3.527	69.191	22.481	3.239	0.121	0.224	0.010	0.008	0.011	0.000	0.000	0.000	0.000	1403.48	
16	0.7226	1170.4	1191.1	1190.8	1.088	3.556	70.024	21.851	3.129	0.114	0.211	0.010	0.007	0.010	0.000	0.000	0.000	0.000	1401.23	
17	0.7058	1159.2	1179.8	1179.5	0.589	3.411	72.224	20.927	2.624	0.075	0.133	0.006	0.004	0.006	0.000	0.000	0.000	0.000	1404.51	
18	0.7137	1165.3	1185.9	1185.6	0.802	3.462	71.234	21.293	2.930	0.091	0.166	0.008	0.006	0.009	0.000	0.000	0.000	0.000	1403.96	
19	0.7101	1160.3	1180.8	1180.5	0.763	3.489	71.801	20.866	2.793	0.095	0.172	0.008	0.006	0.007	0.000	0.000	0.000	0.000	1401.53	
20	0.7201	1166.8	1187.4	1187.1	1.061	3.573	70.552	21.335	3.096	0.125	0.231	0.011	0.009	0.008	0.000	0.000	0.000	0.000	1399.51	
21	0.6967	1151.8	1172.2	1171.9	0.378	3.337	73.226	20.778	2.136	0.050	0.084	0.004	0.003	0.004	0.000	0.000	0.000	0.000	1404.53	
22	0.7121	1160.7	1181.2	1180.9	0.864	3.493	71.517	21.035	2.795	0.097	0.176	0.009	0.007	0.007	0.000	0.000	0.000	0.000	1400.08	
23	0.7267	1174.1	1194.9	1194.6	1.222	3.506	69.768	21.697	3.352	0.141	0.274	0.016	0.014	0.010	0.000	0.000	0.000	0.000	1401.68	
24	0.7246	1171.6	1192.4	1192.0	1.196	3.491	70.156	21.378	3.327	0.140	0.272	0.016	0.014	0.010	0.000	0.000	0.000	0.000	1400.82	
25	0.7301	1173.7	1194.5	1194.1	1.351	3.654	69.487	21.415	3.611	0.155	0.290	0.015	0.012	0.011	0.000	0.000	0.000	0.000	1397.91	
26	0.7048	1157.7	1178.2	1177.7	0.586	3.418	72.397	20.786	2.586	0.077	0.134	0.007	0.005	0.006	0.000	0.000	0.000	0.000	1403.62	
27	0.7299	1180.2	1201.1	1200.6	1.156	3.535	68.960	22.569	3.388	0.125	0.236	0.011	0.009	0.011	0.000	0.000	0.000	0.000	1405.95	
28	0.7116	1164.7	1185.4	1185.0	0.706	3.445	71.465	21.275	2.831	0.091	0.166	0.008	0.006	0.007	0.000	0.000	0.000	0.000	1405.39	
29	0.7208	1168.7	1189.4	1189.0	1.024	3.583	70.289	21.678	3.061	0.119	0.219	0.010	0.008	0.008	0.000	0.000	0.000	0.000	1401.01	
30	0.7181	1168.4	1189.1	1188.8	0.907	3.519	70.581	21.688	2.978	0.108	0.194	0.010	0.007	0.008	0.000	0.000	0.000	0.000	1403.48	
31	0.7015	1156.6	1177.1	1176.7	0.459	3.373	72.645	20.964	2.367	0.066	0.114	0.005	0.003	0.004	0.000	0.000	0.000	0.000	1405.53	
Avg	0.7149	1165.0	1185.9	1185.5	0.872	3.471	71.062	21.404	2.881	0.101	0.185	0.009	0.007	0.007	0.000	0.000	0.000	0.000	1402.74	

Source Daily Summary

March 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	0.7262	1183.1	1204.1	1203.8	1.165	2.998	69.481	22.908	3.048	0.110	0.250	0.017	0.020	0.004	0.000	0.000	0.000	0.000	1412.91	
2	0.7256	1184.3	1205.3	1205.0	1.135	2.913	69.857	22.451	3.180	0.126	0.288	0.021	0.024	0.004	0.000	0.000	0.000	0.000	1414.89	
3	0.7266	1184.0	1204.9	1204.7	1.158	2.995	69.444	22.917	3.073	0.113	0.257	0.018	0.021	0.004	0.000	0.000	0.000	0.000	1413.52	
4	0.7284	1186.5	1207.5	1207.2	1.162	3.001	69.241	22.983	3.178	0.119	0.272	0.018	0.021	0.004	0.000	0.000	0.000	0.000	1414.79	
5	0.7299	1188.7	1209.8	1209.5	1.165	2.995	69.107	22.990	3.283	0.126	0.289	0.020	0.022	0.005	0.000	0.000	0.000	0.000	1416.07	
6	0.7287	1187.0	1208.0	1207.7	1.169	2.990	69.216	22.987	3.199	0.120	0.275	0.019	0.021	0.004	0.000	0.000	0.000	0.000	1415.07	
7	0.7278	1185.5	1206.5	1206.2	1.170	2.991	69.263	23.051	3.111	0.113	0.258	0.018	0.020	0.004	0.000	0.000	0.000	0.000	1414.22	
8	0.7286	1186.7	1207.7	1207.4	1.171	2.995	69.214	22.992	3.194	0.119	0.272	0.018	0.021	0.004	0.000	0.000	0.000	0.000	1414.83	
9	0.7284	1186.3	1207.3	1207.0	1.173	3.000	69.288	22.878	3.223	0.121	0.274	0.018	0.020	0.004	0.000	0.000	0.000	0.000	1414.52	
10	0.7281	1185.3	1206.3	1206.0	1.172	3.026	69.246	22.986	3.150	0.116	0.262	0.018	0.020	0.004	0.000	0.000	0.000	0.000	1413.74	
11	0.7259	1181.3	1202.2	1201.9	1.197	3.037	69.430	22.991	2.974	0.104	0.232	0.015	0.017	0.003	0.000	0.000	0.000	0.000	1410.97	
12	0.7265	1182.3	1203.2	1202.9	1.188	3.038	69.454	22.856	3.067	0.110	0.248	0.016	0.018	0.003	0.000	0.000	0.000	0.000	1411.64	
13	0.7282	1185.4	1206.4	1206.0	1.182	3.021	69.404	22.681	3.262	0.124	0.283	0.019	0.021	0.003	0.000	0.000	0.000	0.000	1413.66	
14	0.7266	1183.7	1204.7	1204.4	1.130	3.044	70.017	21.894	3.351	0.154	0.346	0.027	0.030	0.006	0.000	0.000	0.000	0.000	1413.26	
15	0.7291	1187.0	1208.0	1207.7	1.178	3.007	69.124	23.078	3.176	0.119	0.273	0.019	0.022	0.005	0.000	0.000	0.000	0.000	1414.78	
16	0.7265	1183.2	1204.2	1203.9	1.103	3.109	69.961	21.951	3.315	0.154	0.343	0.028	0.030	0.007	0.000	0.000	0.000	0.000	1412.75	
17	0.7293	1186.4	1207.4	1207.2	1.186	3.050	69.356	22.582	3.331	0.134	0.308	0.022	0.025	0.005	0.000	0.000	0.000	0.000	1413.85	
18	0.7294	1186.9	1207.9	1207.6	1.192	3.021	69.206	22.852	3.274	0.124	0.284	0.020	0.022	0.005	0.000	0.000	0.000	0.000	1414.34	
19	0.7291	1186.5	1207.5	1207.2	1.193	3.012	69.304	22.733	3.302	0.126	0.285	0.019	0.022	0.005	0.000	0.000	0.000	0.000	1414.20	
20	0.7292	1186.8	1207.8	1207.5	1.192	3.008	69.404	22.536	3.383	0.131	0.298	0.020	0.023	0.005	0.000	0.000	0.000	0.000	1414.39	
21	0.7273	1183.1	1204.1	1203.8	1.204	3.040	69.458	22.706	3.171	0.117	0.263	0.018	0.020	0.004	0.000	0.000	0.000	0.000	1411.84	
22	0.7293	1186.7	1207.7	1207.4	1.201	3.015	69.252	22.770	3.308	0.125	0.284	0.019	0.022	0.004	0.000	0.000	0.000	0.000	1414.16	
23	0.7274	1186.3	1207.4	1207.1	1.167	2.909	69.647	22.506	3.306	0.128	0.290	0.020	0.023	0.005	0.000	0.000	0.000	0.000	1415.59	
24	0.7312	1190.2	1211.3	1211.0	1.185	2.996	69.155	22.666	3.500	0.136	0.312	0.021	0.024	0.005	0.000	0.000	0.000	0.000	1416.54	
25	0.7198	1181.7	1202.6	1202.3	1.092	2.590	71.095	21.543	3.209	0.130	0.291	0.021	0.024	0.005	0.000	0.000	0.000	0.000	1417.45	
26	0.7202	1181.5	1202.4	1202.1	1.086	2.648	71.074	21.462	3.237	0.137	0.303	0.022	0.025	0.005	0.000	0.000	0.000	0.000	1416.84	
27	0.7288	1186.7	1207.7	1207.4	1.181	2.994	69.385	22.655	3.318	0.128	0.292	0.020	0.023	0.004	0.000	0.000	0.000	0.000	1414.69	
28	0.7286	1185.5	1206.5	1206.2	1.190	3.036	69.254	22.871	3.217	0.118	0.271	0.018	0.020	0.004	0.000	0.000	0.000	0.000	1413.44	
29	0.7291	1186.2	1207.2	1206.9	1.190	3.036	69.157	22.973	3.213	0.118	0.271	0.018	0.021	0.004	0.000	0.000	0.000	0.000	1413.86	
30	0.7289	1186.1	1207.1	1206.8	1.193	3.024	69.172	22.986	3.196	0.117	0.269	0.018	0.020	0.004	0.000	0.000	0.000	0.000	1413.85	
31	0.7294	1187.1	1208.1	1207.8	1.189	3.015	69.153	22.944	3.258	0.121	0.276	0.019	0.021	0.004	0.000	0.000	0.000	0.000	1414.56	
Avg	0.7277	1185.0	1206.4	1206.1	1.170	2.986	69.478	22.690	3.226	0.124	0.281	0.019	0.022	0.004	0.000	0.000	0.000	0.000	1414.23	

Gas Composition and Properties

Effective March 1, 2025

Source #: 0602160
Name: FAIRVIEW BORDER

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide, CO2	1.3368		2.8053
Nitrogen, N2	3.4927		4.6654
Methane, C1	69.9724		53.5254
Ethane, C2	21.3554	5.7157	30.6187
Propane, C3	3.4129	0.9410	7.1759
iso-Butane, iC4	0.1411	0.0462	0.3910
n-Butane, nC4	0.2615	0.0825	0.7247
iso-Pentane, iC5	0.0152	0.0056	0.0523
n-Pentane, nC5	0.0120	0.0044	0.0413
Neo-Pentane, neo			
Hexanes Plus, C6+			
Argon, Ar			
Carbon Monoxide, CO			
Hydrogen, H2			
Oxygen, O2			
Helium, He			
Water, H2O			
Hydrogen Sulfide, H2S			
Totals	100.0000	6.7960	100.0000

Property	Total Sample	C6 Plus Fraction
Pressure Base	14.730	
Temperature Base	60.00	
HCDP @ Sample Pressure	-12.947	
Cricondentherm	1.967	
HV, Dry @ Base P, T	1191.43	
HV, Sat @ Base P, T	1170.69	
HV, Sat @ Sample P, T	1191.43	
Relative Density	0.7262	
C6+: 100		

Sample

Date: 03/01/2025 Type:

Tech: Tipton, Joshua

Pressure: 440 psi Temp.: °F

Gauge: Gauge H2O:

Atm. Pressure: H2S:

Remarks:

Analysis

Date: 03/01/2025 Instrument:

Tech: Tipton, Joshua Cylinder: 383

Remarks:

Source Daily Summary

March 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	0.7081	1174.3	1195.1	1194.9	0.946	2.151	73.501	19.708	3.177	0.144	0.311	0.025	0.029	0.008	0.000	0.000	0.000	0.000	1420.26	0.31
2	0.7076	1172.9	1193.7	1193.5	0.957	2.172	73.471	19.806	3.112	0.134	0.290	0.023	0.027	0.007	0.000	0.000	0.000	0.000	1419.10	-0.77
3	0.7096	1175.3	1196.1	1195.9	0.951	2.230	73.253	19.802	3.234	0.147	0.319	0.026	0.030	0.008	0.000	0.000	0.000	0.000	1419.90	1.13
4	0.7144	1178.0	1198.8	1198.7	0.999	2.447	72.261	20.529	3.255	0.141	0.308	0.024	0.028	0.007	0.000	0.000	0.000	0.000	1418.34	1.95
5	0.7126	1176.2	1197.0	1196.8	0.994	2.389	72.513	20.451	3.166	0.136	0.295	0.023	0.027	0.007	0.000	0.000	0.000	0.000	1418.02	0.75
6	0.7137	1177.2	1198.1	1197.9	0.999	2.428	72.346	20.511	3.216	0.138	0.304	0.023	0.027	0.007	0.000	0.000	0.000	0.000	1418.22	1.46
7	0.7143	1177.1	1198.0	1197.8	1.010	2.471	72.175	20.677	3.181	0.135	0.296	0.023	0.026	0.007	0.000	0.000	0.000	0.000	1417.47	1.21
8	0.7130	1176.4	1197.2	1197.0	0.992	2.427	72.396	20.541	3.158	0.135	0.296	0.023	0.027	0.007	0.000	0.000	0.000	0.000	1417.77	0.82
9	0.7109	1175.5	1196.3	1196.2	0.964	2.315	72.853	20.210	3.161	0.139	0.300	0.023	0.027	0.007	0.000	0.000	0.000	0.000	1418.91	0.48
10	0.7159	1178.4	1199.3	1199.1	1.015	2.539	71.828	20.957	3.179	0.134	0.293	0.022	0.026	0.007	0.000	0.000	0.000	0.000	1417.37	1.55
11	0.7144	1177.8	1198.6	1198.5	0.996	2.463	72.157	20.701	3.194	0.137	0.297	0.023	0.026	0.007	0.000	0.000	0.000	0.000	1418.13	1.39
12	0.7116	1175.2	1196.0	1195.9	0.978	2.384	72.713	20.256	3.171	0.137	0.303	0.023	0.027	0.007	0.000	0.000	0.000	0.000	1417.82	0.67
13	0.7132	1176.6	1197.4	1197.2	0.992	2.423	72.451	20.430	3.202	0.139	0.307	0.023	0.027	0.007	0.000	0.000	0.000	0.000	1417.93	1.25
14	0.7167	1179.0	1199.9	1199.7	1.027	2.552	71.853	20.775	3.277	0.141	0.316	0.024	0.028	0.007	0.000	0.000	0.000	0.000	1417.36	2.63
15	0.7143	1177.8	1198.6	1198.4	0.998	2.446	72.225	20.629	3.202	0.139	0.304	0.023	0.027	0.007	0.000	0.000	0.000	0.000	1418.26	1.55
16	0.7165	1179.5	1200.4	1200.2	1.033	2.501	71.808	20.934	3.225	0.139	0.304	0.023	0.026	0.007	0.000	0.000	0.000	0.000	1418.08	2.17
17	0.7135	1177.6	1198.4	1198.2	1.015	2.357	72.500	20.366	3.241	0.144	0.316	0.025	0.029	0.007	0.000	0.000	0.000	0.000	1418.81	1.90
18	0.7107	1175.8	1196.7	1196.5	0.983	2.246	73.115	19.855	3.264	0.149	0.324	0.026	0.030	0.008	0.000	0.000	0.000	0.000	1419.52	1.57
19	0.7121	1176.8	1197.7	1197.5	1.000	2.293	72.756	20.210	3.224	0.144	0.314	0.024	0.028	0.007	0.000	0.000	0.000	0.000	1419.31	1.37
20	0.7130	1175.9	1196.7	1196.5	1.021	2.402	72.493	20.402	3.189	0.137	0.300	0.023	0.027	0.007	0.000	0.000	0.000	0.000	1417.24	0.93
21	0.7124	1175.6	1196.5	1196.3	1.004	2.394	72.532	20.431	3.153	0.135	0.295	0.023	0.026	0.007	0.000	0.000	0.000	0.000	1417.52	0.56
22	0.7105	1174.6	1195.4	1195.2	0.972	2.325	72.874	20.219	3.126	0.135	0.294	0.022	0.026	0.006	0.000	0.000	0.000	0.000	1418.19	-0.06
23	0.7062	1170.9	1191.6	1191.5	0.949	2.191	73.532	19.875	3.004	0.126	0.272	0.021	0.025	0.006	0.000	0.000	0.000	0.000	1418.05	-2.24
24	0.7062	1171.8	1192.6	1192.4	0.942	2.136	73.647	19.765	3.034	0.133	0.288	0.023	0.026	0.007	0.000	0.000	0.000	0.000	1419.11	-1.58
25	0.7302	1180.0	1200.9	1200.7	0.934	3.895	70.090	20.115	4.339	0.168	0.389	0.029	0.033	0.008	0.000	0.000	0.000	0.000	1405.86	9.78
26	0.7122	1175.0	1195.8	1195.6	1.021	2.386	72.457	20.554	3.172	0.114	0.250	0.019	0.021	0.005	0.000	0.000	0.000	0.000	1416.99	-0.97
27	0.7144	1178.3	1199.2	1199.0	1.010	2.404	72.332	20.443	3.307	0.140	0.307	0.023	0.027	0.007	0.000	0.000	0.000	0.000	1418.82	1.96
28	0.7076	1174.2	1195.0	1194.8	0.918	2.151	73.529	19.751	3.134	0.145	0.312	0.024	0.028	0.007	0.000	0.000	0.000	0.000	1420.67	-0.06
29	0.7079	1175.2	1196.0	1195.8	0.906	2.143	73.488	19.783	3.156	0.147	0.317	0.025	0.029	0.008	0.000	0.000	0.000	0.000	1421.52	0.36
30	0.7082	1175.6	1196.4	1196.2	0.905	2.150	73.460	19.773	3.182	0.148	0.320	0.025	0.029	0.008	0.000	0.000	0.000	0.000	1421.64	0.62
31	0.7077	1175.2	1196.0	1195.9	0.906	2.122	73.541	19.743	3.159	0.148	0.320	0.025	0.029	0.008	0.000	0.000	0.000	0.000	1421.74	0.40
Avg	0.7122	1176.0	1196.9	1196.8	0.979	2.385	72.650	20.265	3.219	0.140	0.305	0.024	0.027	0.007	0.000	0.000	0.000	0.000	1418.32	1.07

Source Daily Summary

March 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	0.7566	1180.3	1201.3	1201.1	0.964	6.311	66.165	19.851	5.985	0.205	0.452	0.028	0.031	0.007	0.000	0.000	0.000	0.000	1380.98	
2	0.7553	1178.9	1199.7	1199.6	0.953	6.292	66.229	19.938	5.943	0.179	0.409	0.025	0.027	0.006	0.000	0.000	0.000	0.000	1380.49	
3	0.7562	1180.0	1200.9	1200.7	0.941	6.331	66.099	19.960	6.020	0.179	0.411	0.025	0.028	0.006	0.000	0.000	0.000	0.000	1380.93	
4	0.7577	1183.4	1204.4	1204.2	0.943	6.254	65.975	20.032	6.120	0.183	0.429	0.027	0.030	0.007	0.000	0.000	0.000	0.000	1383.61	
5	0.7567	1181.3	1202.3	1202.1	0.942	6.289	66.060	20.000	6.063	0.176	0.411	0.025	0.028	0.007	0.000	0.000	0.000	0.000	1382.12	
6	0.7583	1183.8	1204.7	1204.6	0.937	6.299	65.813	20.198	6.061	0.185	0.442	0.028	0.030	0.007	0.000	0.000	0.000	0.000	1383.48	
7	0.7563	1180.3	1201.2	1201.0	0.938	6.319	66.009	20.201	5.850	0.182	0.438	0.027	0.030	0.007	0.000	0.000	0.000	0.000	1381.18	
8	0.7558	1180.6	1201.5	1201.3	0.945	6.251	66.072	20.237	5.809	0.184	0.438	0.027	0.030	0.007	0.000	0.000	0.000	0.000	1382.00	
9	0.7579	1183.9	1204.9	1204.7	0.947	6.239	65.847	20.304	5.955	0.189	0.451	0.029	0.032	0.008	0.000	0.000	0.000	0.000	1384.01	
10	0.7572	1182.6	1203.6	1203.4	0.948	6.252	65.918	20.267	5.919	0.186	0.443	0.028	0.031	0.007	0.000	0.000	0.000	0.000	1383.12	
11	0.7598	1187.3	1208.3	1208.1	0.946	6.215	65.615	20.436	6.052	0.195	0.466	0.031	0.035	0.009	0.000	0.000	0.000	0.000	1386.17	
12	0.7577	1183.0	1203.9	1203.7	0.944	6.278	65.869	20.269	5.928	0.186	0.454	0.029	0.033	0.009	0.000	0.000	0.000	0.000	1383.11	
13	0.7565	1181.6	1202.6	1202.3	0.947	6.247	66.015	20.228	5.867	0.183	0.444	0.028	0.032	0.008	0.000	0.000	0.000	0.000	1382.61	
14	0.7572	1182.7	1203.6	1203.5	0.954	6.233	65.910	20.349	5.836	0.188	0.459	0.030	0.033	0.008	0.000	0.000	0.000	0.000	1383.25	
15	0.7559	1179.9	1200.8	1200.6	0.955	6.287	65.996	20.357	5.697	0.186	0.451	0.030	0.033	0.008	0.000	0.000	0.000	0.000	1381.11	
16	0.7568	1181.4	1202.3	1202.1	0.953	6.272	65.905	20.416	5.735	0.189	0.457	0.030	0.034	0.009	0.000	0.000	0.000	0.000	1382.08	
17	0.7585	1184.1	1205.1	1204.9	0.947	6.278	65.705	20.474	5.853	0.195	0.474	0.031	0.035	0.009	0.000	0.000	0.000	0.000	1383.76	
18	0.7566	1180.8	1201.7	1201.5	0.944	6.314	65.914	20.357	5.755	0.189	0.457	0.029	0.033	0.008	0.000	0.000	0.000	0.000	1381.51	
19	0.7584	1185.0	1205.9	1205.8	0.942	6.233	65.723	20.499	5.852	0.196	0.479	0.032	0.036	0.009	0.000	0.000	0.000	0.000	1384.74	
20	0.7585	1184.5	1205.4	1205.2	0.946	6.267	65.717	20.455	5.864	0.196	0.480	0.032	0.036	0.009	0.000	0.000	0.000	0.000	1384.06	
21	0.7542	1176.4	1197.2	1197.1	0.944	6.354	66.184	20.227	5.609	0.181	0.435	0.028	0.031	0.008	0.000	0.000	0.000	0.000	1378.62	
22	0.7576	1183.4	1204.4	1204.2	0.948	6.238	65.868	20.372	5.825	0.195	0.478	0.031	0.035	0.009	0.000	0.000	0.000	0.000	1383.71	
23	0.7571	1182.3	1203.2	1203.0	0.947	6.260	65.905	20.367	5.786	0.192	0.469	0.031	0.035	0.008	0.000	0.000	0.000	0.000	1382.86	
24	0.7563	1181.5	1202.4	1202.2	0.947	6.236	65.954	20.432	5.716	0.187	0.456	0.030	0.034	0.009	0.000	0.000	0.000	0.000	1382.66	
25	0.7594	1186.8	1207.8	1207.6	0.945	6.203	65.599	20.608	5.883	0.197	0.485	0.033	0.037	0.010	0.000	0.000	0.000	0.000	1386.04	
26	0.7553	1178.9	1199.8	1199.6	0.941	6.312	66.046	20.337	5.662	0.184	0.447	0.029	0.033	0.009	0.000	0.000	0.000	0.000	1380.51	
27	0.7569	1182.0	1202.9	1202.7	0.944	6.269	65.880	20.432	5.746	0.190	0.465	0.031	0.035	0.009	0.000	0.000	0.000	0.000	1382.66	
28	0.7559	1179.6	1200.5	1200.4	0.942	6.318	65.990	20.340	5.702	0.186	0.452	0.029	0.032	0.008	0.000	0.000	0.000	0.000	1380.85	
29	0.7580	1183.7	1204.7	1204.5	0.940	6.267	65.772	20.470	5.804	0.195	0.477	0.032	0.036	0.009	0.000	0.000	0.000	0.000	1383.66	
30	0.7597	1187.3	1208.3	1208.1	0.941	6.215	65.573	20.576	5.927	0.200	0.490	0.032	0.036	0.009	0.000	0.000	0.000	0.000	1386.25	
31	0.7636	1193.5	1214.7	1214.5	0.939	6.192	65.136	20.767	6.138	0.211	0.525	0.037	0.042	0.011	0.000	0.000	0.000	0.000	1390.08	
Avg	0.7574	1183.0	1203.5	1203.4	0.946	6.269	65.886	20.315	5.870	0.189	0.456	0.030	0.033	0.008	0.000	0.000	0.000	0.000	1382.98	

Source Daily Summary

March 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	0.7564	1178.3	1199.2	1199.0	0.958	6.424	66.108	19.803	6.048	0.184	0.416	0.025	0.027	0.006	0.000	0.000	0.000	0.000	1378.80	
2	0.7571	1179.4	1200.3	1200.1	0.949	6.435	65.994	19.887	6.076	0.185	0.416	0.025	0.027	0.006	0.000	0.000	0.000	0.000	1379.45	
3	0.7588	1183.0	1203.9	1203.7	0.953	6.367	65.833	19.974	6.185	0.188	0.436	0.027	0.030	0.006	0.000	0.000	0.000	0.000	1382.11	
4	0.7579	1181.2	1202.1	1201.9	0.950	6.393	65.928	19.915	6.150	0.182	0.420	0.026	0.029	0.006	0.000	0.000	0.000	0.000	1380.90	
5	0.7592	1183.0	1203.9	1203.7	0.946	6.413	65.711	20.091	6.149	0.188	0.440	0.027	0.029	0.006	0.000	0.000	0.000	0.000	1381.79	
6	0.7576	1180.5	1201.4	1201.2	0.947	6.416	65.865	20.120	5.951	0.189	0.447	0.028	0.031	0.007	0.000	0.000	0.000	0.000	1380.30	
7	0.7570	1180.0	1200.9	1200.7	0.950	6.389	65.932	20.127	5.898	0.190	0.449	0.028	0.031	0.006	0.000	0.000	0.000	0.000	1380.26	
8	0.7581	1182.3	1203.2	1203.0	0.950	6.356	65.809	20.190	5.985	0.191	0.452	0.028	0.031	0.007	0.000	0.000	0.000	0.000	1381.89	
9	0.7585	1182.4	1203.3	1203.1	0.954	6.379	65.767	20.186	5.995	0.193	0.458	0.029	0.033	0.007	0.000	0.000	0.000	0.000	1381.66	
10	0.7593	1183.9	1204.9	1204.7	0.953	6.359	65.671	20.256	6.029	0.195	0.465	0.031	0.034	0.008	0.000	0.000	0.000	0.000	1382.74	
11	0.7587	1182.6	1203.6	1203.4	0.951	6.383	65.743	20.199	6.005	0.192	0.457	0.029	0.033	0.008	0.000	0.000	0.000	0.000	1381.79	
12	0.7585	1182.1	1203.1	1202.8	0.956	6.391	65.754	20.196	5.987	0.191	0.456	0.029	0.032	0.007	0.000	0.000	0.000	0.000	1381.36	
13	0.7583	1182.1	1203.1	1202.8	0.959	6.366	65.762	20.258	5.933	0.193	0.459	0.030	0.033	0.007	0.000	0.000	0.000	0.000	1381.55	
14	0.7579	1180.5	1201.4	1201.2	0.957	6.437	65.728	20.328	5.821	0.193	0.463	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1379.97	
15	0.7596	1184.1	1205.0	1204.8	0.953	6.381	65.548	20.431	5.939	0.198	0.476	0.031	0.034	0.008	0.000	0.000	0.000	0.000	1382.61	
16	0.7605	1186.0	1207.0	1206.8	0.952	6.347	65.468	20.476	5.987	0.203	0.491	0.032	0.036	0.008	0.000	0.000	0.000	0.000	1384.08	
17	0.7604	1185.9	1206.9	1206.7	0.955	6.339	65.486	20.469	5.980	0.203	0.492	0.032	0.036	0.008	0.000	0.000	0.000	0.000	1384.08	
18	0.7590	1183.2	1204.1	1203.9	0.957	6.371	65.667	20.343	5.903	0.200	0.483	0.032	0.036	0.008	0.000	0.000	0.000	0.000	1382.15	
19	0.7586	1182.4	1203.3	1203.1	0.958	6.381	65.706	20.318	5.893	0.199	0.475	0.030	0.033	0.007	0.000	0.000	0.000	0.000	1381.56	
20	0.7591	1184.0	1204.9	1204.7	0.959	6.333	65.658	20.377	5.912	0.201	0.484	0.032	0.036	0.008	0.000	0.000	0.000	0.000	1382.93	
21	0.7588	1183.5	1204.5	1204.3	0.955	6.331	65.662	20.423	5.892	0.196	0.470	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1382.76	
22	0.7627	1190.8	1211.9	1211.7	0.956	6.257	65.235	20.633	6.113	0.210	0.513	0.035	0.039	0.009	0.000	0.000	0.000	0.000	1387.64	
23	0.7608	1186.9	1207.9	1207.7	0.956	6.317	65.433	20.522	6.000	0.203	0.491	0.033	0.037	0.009	0.000	0.000	0.000	0.000	1384.81	
24	0.7615	1187.7	1208.8	1208.5	0.954	6.332	65.352	20.552	6.016	0.207	0.503	0.035	0.039	0.009	0.000	0.000	0.000	0.000	1385.18	
25	0.7581	1181.5	1202.4	1202.2	0.956	6.393	65.728	20.349	5.839	0.195	0.466	0.031	0.035	0.008	0.000	0.000	0.000	0.000	1380.99	
26	0.7569	1179.0	1199.9	1199.6	0.954	6.438	65.862	20.253	5.775	0.191	0.456	0.030	0.033	0.008	0.000	0.000	0.000	0.000	1379.12	
27	0.7595	1183.9	1204.8	1204.6	0.950	6.384	65.589	20.387	5.933	0.200	0.483	0.032	0.035	0.008	0.000	0.000	0.000	0.000	1382.51	
28	0.7559	1177.6	1198.5	1198.2	0.952	6.432	66.006	20.166	5.733	0.190	0.452	0.029	0.033	0.007	0.000	0.000	0.000	0.000	1378.41	
29	0.7633	1191.9	1213.1	1212.8	0.953	6.246	65.158	20.677	6.158	0.213	0.516	0.034	0.038	0.008	0.000	0.000	0.000	0.000	1388.44	
30	0.7654	1194.3	1215.4	1215.2	0.952	6.302	64.915	20.725	6.258	0.220	0.539	0.038	0.043	0.010	0.000	0.000	0.000	0.000	1389.27	
31	0.7604	1184.9	1205.9	1205.6	0.951	6.406	65.477	20.414	5.985	0.202	0.487	0.032	0.037	0.009	0.000	0.000	0.000	0.000	1382.87	
Avg	0.7592	1184.0	1204.5	1204.3	0.953	6.371	65.663	20.292	5.985	0.196	0.468	0.030	0.034	0.008	0.000	0.000	0.000	0.000	1382.39	

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
iso-Butane, iC4	0.0244	0.0080	0.0739
n-Butane, nC4	0.0039	0.0012	0.0118
iso-Pentane, iC5			
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			
Totals	100.0000	4.6490	100.0000

Property	Total Sample	C6 Plus Fraction
Pressure Base	14.730	
Temperature Base	60.00	
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

March 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	0.7332	1175.9	1196.8	1196.5	0.971	4.375	69.555	19.959	4.547	0.163	0.368	0.025	0.028	0.008	0.000	0.000	0.000	0.000	1397.64	
2	0.7252	1176.8	1197.6	1197.4	1.175	3.272	69.953	21.868	3.323	0.112	0.252	0.017	0.020	0.006	0.000	0.000	0.000	0.000	1406.29	
3	0.7284	1177.6	1198.4	1198.2	1.081	3.657	69.969	20.945	3.763	0.154	0.365	0.026	0.031	0.008	0.000	0.000	0.000	0.000	1404.21	
4	0.7296	1178.6	1199.5	1199.3	1.050	3.758	69.863	20.839	3.860	0.163	0.395	0.028	0.034	0.009	0.000	0.000	0.000	0.000	1404.22	
5	0.7256	1176.6	1197.4	1197.2	1.159	3.345	69.930	21.780	3.360	0.113	0.260	0.020	0.024	0.009	0.000	0.000	0.000	0.000	1405.68	
6	0.7265	1173.0	1193.7	1193.5	1.062	3.790	70.139	20.779	3.699	0.138	0.332	0.025	0.029	0.008	0.000	0.000	0.000	0.000	1400.54	
7	0.7252	1171.1	1191.8	1191.6	1.087	3.746	70.078	21.238	3.309	0.138	0.337	0.026	0.032	0.008	0.000	0.000	0.000	0.000	1399.57	
8	0.7284	1181.4	1202.3	1202.1	1.188	3.263	69.597	21.993	3.518	0.121	0.273	0.019	0.022	0.006	0.000	0.000	0.000	0.000	1408.73	
9	0.7255	1177.7	1198.5	1198.3	1.199	3.200	70.029	21.761	3.403	0.113	0.250	0.018	0.021	0.005	0.000	0.000	0.000	0.000	1407.12	
10	0.7209	1169.8	1190.6	1190.4	1.210	3.234	70.514	21.627	3.061	0.097	0.214	0.015	0.019	0.008	0.000	0.000	0.000	0.000	1402.24	
11	0.7204	1168.8	1189.4	1189.2	1.218	3.235	70.815	21.185	3.148	0.106	0.240	0.019	0.024	0.009	0.000	0.000	0.000	0.000	1401.40	
12	0.7131	1157.1	1177.6	1177.4	1.206	3.281	71.632	20.893	2.660	0.089	0.203	0.014	0.016	0.005	0.000	0.000	0.000	0.000	1394.59	
13	0.7129	1159.3	1179.8	1179.6	1.124	3.260	71.880	20.529	2.830	0.095	0.225	0.020	0.026	0.010	0.000	0.000	0.000	0.000	1397.34	
14	0.7193	1165.9	1186.5	1186.3	1.195	3.351	71.016	20.869	3.156	0.108	0.253	0.020	0.024	0.008	0.000	0.000	0.000	0.000	1398.98	
15	0.7138	1158.0	1178.6	1178.4	1.223	3.274	71.598	20.812	2.766	0.090	0.202	0.014	0.017	0.005	0.000	0.000	0.000	0.000	1394.92	
16	0.7152	1159.2	1179.7	1179.5	1.193	3.383	71.319	20.971	2.794	0.094	0.209	0.014	0.017	0.006	0.000	0.000	0.000	0.000	1394.91	
17	0.7260	1171.0	1191.7	1191.5	1.065	3.862	70.145	20.795	3.588	0.144	0.341	0.025	0.028	0.007	0.000	0.000	0.000	0.000	1398.62	
18	0.7291	1173.6	1194.4	1194.2	1.012	4.069	69.985	20.394	3.863	0.175	0.427	0.031	0.036	0.008	0.000	0.000	0.000	0.000	1398.81	
19	0.7190	1156.2	1176.7	1176.5	1.026	4.166	70.675	20.767	2.876	0.127	0.307	0.023	0.027	0.007	0.000	0.000	0.000	0.000	1387.72	
20	0.7197	1158.5	1179.0	1178.8	1.030	4.094	70.396	21.174	2.881	0.112	0.265	0.020	0.023	0.006	0.000	0.000	0.000	0.000	1389.71	
21	0.7161	1152.7	1173.1	1172.9	1.026	4.116	70.888	20.884	2.683	0.105	0.250	0.019	0.023	0.006	0.000	0.000	0.000	0.000	1386.24	
22	0.7165	1151.7	1172.1	1171.9	1.025	4.208	70.895	20.681	2.797	0.103	0.245	0.018	0.022	0.006	0.000	0.000	0.000	0.000	1384.72	
23	0.7161	1150.2	1170.6	1170.4	1.021	4.268	70.996	20.478	2.851	0.102	0.240	0.018	0.021	0.005	0.000	0.000	0.000	0.000	1383.32	
24	0.7156	1151.1	1171.5	1171.3	1.017	4.174	70.964	20.740	2.729	0.100	0.233	0.017	0.020	0.005	0.000	0.000	0.000	0.000	1384.88	
25	0.7161	1150.6	1171.0	1170.8	1.029	4.235	70.668	21.144	2.558	0.096	0.228	0.017	0.020	0.005	0.000	0.000	0.000	0.000	1383.80	
26	0.7161	1149.1	1169.4	1169.2	1.026	4.334	70.828	20.760	2.645	0.107	0.253	0.019	0.023	0.006	0.000	0.000	0.000	0.000	1381.91	
27	0.7232	1162.9	1183.5	1183.3	1.029	4.146	70.066	21.176	3.070	0.133	0.320	0.024	0.029	0.007	0.000	0.000	0.000	0.000	1391.70	
28	0.7250	1161.8	1182.3	1182.1	1.026	4.395	69.823	21.024	3.188	0.139	0.338	0.026	0.031	0.008	0.000	0.000	0.000	0.000	1388.54	
29	0.7214	1155.3	1175.8	1175.6	1.023	4.456	70.160	20.970	2.893	0.129	0.310	0.023	0.028	0.007	0.000	0.000	0.000	0.000	1384.29	
30	0.7180	1150.4	1170.7	1170.5	1.021	4.439	70.771	20.476	2.787	0.130	0.317	0.024	0.029	0.007	0.000	0.000	0.000	0.000	1381.64	
31	0.7206	1154.5	1174.9	1174.7	1.028	4.422	70.376	20.748	2.927	0.129	0.311	0.023	0.028	0.008	0.000	0.000	0.000	0.000	1384.07	
Avg	0.7213	1164.0	1184.4	1184.2	1.089	3.833	70.501	20.976	3.146	0.120	0.283	0.021	0.025	0.007	0.000	0.000	0.000	0.000	1394.46	

Source Daily Summary

March 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	0.7222	1150.2	1170.6	1169.8	0.853	5.095	70.926	18.480	4.170	0.134	0.299	0.018	0.019	0.005	0.000	0.000	0.000	0.000	1377.42	
2	0.7408	1167.5	1188.2	1187.4	0.871	5.751	68.345	19.203	5.260	0.156	0.365	0.021	0.022	0.006	0.000	0.000	0.000	0.000	1380.53	
3	0.7417	1169.2	1189.9	1189.1	0.869	5.736	68.305	19.134	5.362	0.160	0.380	0.023	0.024	0.007	0.000	0.000	0.000	0.000	1381.65	
4	0.7371	1167.5	1188.2	1187.3	0.848	5.446	68.845	19.280	5.031	0.148	0.352	0.021	0.022	0.006	0.000	0.000	0.000	0.000	1383.89	
5	0.7331	1162.0	1182.6	1181.8	0.830	5.427	69.363	19.051	4.812	0.140	0.330	0.019	0.020	0.006	0.000	0.000	0.000	0.000	1381.20	
6	0.7397	1168.9	1189.6	1188.7	0.834	5.620	68.419	19.468	5.062	0.159	0.383	0.023	0.024	0.007	0.000	0.000	0.000	0.000	1383.17	
7	0.7394	1166.7	1187.3	1186.4	0.853	5.698	68.438	19.389	5.031	0.157	0.379	0.023	0.024	0.007	0.000	0.000	0.000	0.000	1380.82	
8	0.7364	1163.8	1184.4	1183.5	0.866	5.571	68.910	19.192	4.881	0.155	0.371	0.022	0.024	0.007	0.000	0.000	0.000	0.000	1380.25	
9	0.7425	1171.5	1192.2	1191.3	0.863	5.687	68.046	19.583	5.198	0.165	0.400	0.025	0.026	0.008	0.000	0.000	0.000	0.000	1383.54	
10	0.7509	1179.6	1200.5	1199.6	0.894	5.924	66.978	19.822	5.687	0.183	0.445	0.028	0.030	0.009	0.000	0.000	0.000	0.000	1385.38	
11	0.7438	1171.9	1192.6	1191.8	0.884	5.743	67.845	19.670	5.234	0.165	0.400	0.025	0.027	0.008	0.000	0.000	0.000	0.000	1382.92	
12	0.7450	1172.9	1193.6	1192.8	0.904	5.774	67.706	19.659	5.323	0.167	0.408	0.025	0.027	0.008	0.000	0.000	0.000	0.000	1382.88	
13	0.7510	1178.3	1199.2	1198.4	0.905	5.997	66.916	19.821	5.674	0.181	0.441	0.027	0.029	0.009	0.000	0.000	0.000	0.000	1383.80	
14	0.7457	1172.8	1193.6	1192.8	0.904	5.841	67.493	19.894	5.212	0.171	0.421	0.026	0.028	0.009	0.000	0.000	0.000	0.000	1382.20	
15	0.7473	1175.6	1196.4	1195.6	0.883	5.854	67.286	19.980	5.330	0.176	0.429	0.027	0.028	0.009	0.000	0.000	0.000	0.000	1383.99	
16	0.7452	1175.4	1196.2	1195.4	0.852	5.714	67.615	19.917	5.234	0.175	0.429	0.027	0.029	0.009	0.000	0.000	0.000	0.000	1385.71	
17	0.7459	1175.4	1196.2	1195.5	0.872	5.746	67.548	19.887	5.271	0.176	0.434	0.027	0.030	0.009	0.000	0.000	0.000	0.000	1385.11	
18	0.7439	1172.9	1193.7	1192.9	0.891	5.683	67.883	19.693	5.181	0.174	0.430	0.027	0.030	0.009	0.000	0.000	0.000	0.000	1383.98	
19	0.7401	1167.6	1188.3	1187.6	0.880	5.671	68.304	19.567	4.959	0.163	0.397	0.025	0.026	0.008	0.000	0.000	0.000	0.000	1381.25	
20	0.7539	1183.6	1204.6	1203.7	0.889	5.967	66.513	20.149	5.733	0.194	0.481	0.030	0.033	0.010	0.000	0.000	0.000	0.000	1387.36	
21	0.7479	1176.4	1197.2	1196.4	0.869	5.882	67.228	19.949	5.396	0.177	0.433	0.027	0.029	0.009	0.000	0.000	0.000	0.000	1384.34	
22	0.7516	1182.9	1203.9	1203.1	0.881	5.805	66.883	20.066	5.621	0.191	0.476	0.031	0.034	0.011	0.000	0.000	0.000	0.000	1388.66	
23	0.7566	1185.8	1206.8	1205.9	0.900	6.073	66.122	20.270	5.871	0.197	0.490	0.031	0.034	0.011	0.000	0.000	0.000	0.000	1387.40	
24	0.7607	1191.2	1212.3	1211.3	0.903	6.126	65.607	20.464	6.086	0.208	0.523	0.034	0.038	0.012	0.000	0.000	0.000	0.000	1389.93	
25	0.7561	1182.5	1203.5	1202.5	0.904	6.217	66.103	20.214	5.825	0.192	0.473	0.030	0.032	0.010	0.000	0.000	0.000	0.000	1384.07	
26	0.7555	1181.0	1201.9	1201.0	0.903	6.257	66.180	20.130	5.798	0.191	0.469	0.029	0.031	0.012	0.000	0.000	0.000	0.000	1382.83	
27	0.7566	1184.1	1205.1	1204.2	0.900	6.178	66.098	20.184	5.882	0.197	0.487	0.030	0.033	0.011	0.000	0.000	0.000	0.000	1385.42	
28	0.7453	1171.9	1192.7	1191.9	0.902	5.859	67.573	19.801	5.208	0.172	0.421	0.026	0.028	0.009	0.000	0.000	0.000	0.000	1381.53	
29	0.7481	1177.4	1198.3	1197.4	0.896	5.797	67.276	19.935	5.400	0.182	0.446	0.028	0.030	0.010	0.000	0.000	0.000	0.000	1385.37	
30	0.7549	1186.9	1208.0	1207.1	0.907	5.832	66.531	20.122	5.815	0.202	0.508	0.034	0.038	0.012	0.000	0.000	0.000	0.000	1390.31	
31	0.7496	1177.6	1198.4	1197.6	0.917	5.897	67.185	19.723	5.556	0.187	0.464	0.030	0.032	0.010	0.000	0.000	0.000	0.000	1384.17	
Avg	0.7461	1175.0	1195.4	1194.5	0.882	5.802	67.564	19.732	5.358	0.174	0.425	0.026	0.028	0.009	0.000	0.000	0.000	0.000	1383.91	

Source Daily Summary

March 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	0.7244	1150.4	1170.8	1170.1	0.948	5.142	70.796	18.330	4.243	0.152	0.335	0.022	0.023	0.010	0.000	0.000	0.000	0.000	1375.57	
2	0.7232	1149.5	1169.8	1169.1	0.880	5.187	70.726	18.582	4.159	0.133	0.286	0.018	0.019	0.009	0.000	0.000	0.000	0.000	1375.62	
3	0.7437	1168.9	1189.6	1189.0	0.911	5.884	67.858	19.435	5.337	0.161	0.361	0.022	0.023	0.009	0.000	0.000	0.000	0.000	1379.42	
4	0.7432	1169.2	1189.9	1189.2	0.908	5.823	68.001	19.334	5.347	0.161	0.368	0.023	0.025	0.010	0.000	0.000	0.000	0.000	1380.20	
5	0.7373	1165.6	1186.3	1185.5	0.882	5.528	68.744	19.340	4.967	0.147	0.336	0.021	0.023	0.010	0.000	0.000	0.000	0.000	1381.48	
6	0.7346	1161.9	1182.5	1181.7	0.865	5.521	69.094	19.197	4.805	0.143	0.324	0.020	0.021	0.010	0.000	0.000	0.000	0.000	1379.67	
7	0.7408	1168.2	1188.9	1188.0	0.870	5.719	68.175	19.600	5.044	0.161	0.371	0.024	0.025	0.011	0.000	0.000	0.000	0.000	1381.26	
8	0.7408	1166.4	1187.1	1186.2	0.890	5.791	68.164	19.543	5.026	0.159	0.370	0.023	0.024	0.010	0.000	0.000	0.000	0.000	1379.21	
9	0.7379	1163.9	1184.5	1183.6	0.902	5.655	68.625	19.357	4.883	0.157	0.362	0.023	0.025	0.010	0.000	0.000	0.000	0.000	1378.92	
10	0.7453	1172.5	1193.3	1192.3	0.904	5.816	67.594	19.792	5.264	0.169	0.397	0.026	0.028	0.011	0.000	0.000	0.000	0.000	1382.28	
11	0.7514	1178.2	1199.1	1198.1	0.933	5.996	66.829	19.926	5.635	0.183	0.430	0.028	0.030	0.011	0.000	0.000	0.000	0.000	1383.34	
12	0.7454	1171.9	1192.7	1191.7	0.922	5.842	67.524	19.859	5.232	0.167	0.390	0.025	0.027	0.011	0.000	0.000	0.000	0.000	1381.38	
13	0.7468	1172.8	1193.5	1192.6	0.944	5.886	67.372	19.835	5.333	0.170	0.397	0.026	0.027	0.010	0.000	0.000	0.000	0.000	1381.13	
14	0.7521	1177.9	1198.8	1197.9	0.945	6.068	66.651	20.037	5.622	0.181	0.426	0.028	0.030	0.011	0.000	0.000	0.000	0.000	1382.26	
15	0.7470	1172.0	1192.8	1191.8	0.943	5.949	67.251	19.997	5.213	0.173	0.407	0.027	0.029	0.011	0.000	0.000	0.000	0.000	1380.08	
16	0.7481	1174.9	1195.7	1194.7	0.917	5.921	67.132	20.046	5.322	0.178	0.417	0.027	0.029	0.012	0.000	0.000	0.000	0.000	1382.41	
17	0.7457	1174.1	1194.9	1193.9	0.887	5.793	67.486	19.969	5.205	0.175	0.417	0.027	0.029	0.011	0.000	0.000	0.000	0.000	1383.63	
18	0.7477	1175.6	1196.4	1195.5	0.910	5.849	67.230	20.039	5.295	0.179	0.427	0.029	0.031	0.012	0.000	0.000	0.000	0.000	1383.62	
19	0.7434	1170.2	1190.9	1190.0	0.932	5.747	67.885	19.689	5.095	0.172	0.412	0.028	0.030	0.012	0.000	0.000	0.000	0.000	1381.18	
20	0.7420	1167.6	1188.3	1187.4	0.916	5.792	67.984	19.692	4.998	0.166	0.390	0.025	0.027	0.011	0.000	0.000	0.000	0.000	1379.51	
21	0.7555	1183.4	1204.4	1203.5	0.927	6.070	66.197	20.336	5.728	0.196	0.468	0.031	0.034	0.012	0.000	0.000	0.000	0.000	1385.68	
22	0.7481	1174.4	1195.2	1194.3	0.907	5.971	67.100	20.038	5.328	0.176	0.414	0.027	0.029	0.011	0.000	0.000	0.000	0.000	1381.76	
23	0.7531	1182.5	1203.4	1202.7	0.920	5.915	66.580	20.236	5.615	0.193	0.462	0.032	0.035	0.013	0.000	0.000	0.000	0.000	1386.77	
24	0.7578	1185.0	1205.9	1205.2	0.939	6.176	65.868	20.410	5.855	0.199	0.475	0.032	0.034	0.012	0.000	0.000	0.000	0.000	1385.35	
25	0.7615	1189.6	1210.7	1209.8	0.942	6.238	65.390	20.585	6.047	0.209	0.502	0.034	0.038	0.013	0.000	0.000	0.000	0.000	1387.37	
26	0.7570	1181.3	1202.2	1201.3	0.943	6.326	65.881	20.324	5.805	0.193	0.456	0.030	0.032	0.011	0.000	0.000	0.000	0.000	1381.73	
27	0.7567	1180.3	1201.2	1200.3	0.941	6.357	65.920	20.273	5.790	0.192	0.455	0.030	0.032	0.010	0.000	0.000	0.000	0.000	1380.87	
28	0.7583	1184.4	1205.4	1204.5	0.938	6.260	65.781	20.379	5.889	0.200	0.477	0.032	0.034	0.011	0.000	0.000	0.000	0.000	1384.24	
29	0.7459	1170.4	1191.1	1190.3	0.940	5.947	67.394	19.927	5.154	0.171	0.402	0.026	0.028	0.010	0.000	0.000	0.000	0.000	1379.22	
30	0.7503	1178.1	1199.0	1198.1	0.936	5.896	66.909	20.118	5.443	0.186	0.440	0.029	0.031	0.011	0.000	0.000	0.000	0.000	1384.21	
31	0.7558	1186.0	1207.0	1206.1	0.947	5.922	66.314	20.246	5.790	0.203	0.491	0.034	0.038	0.014	0.000	0.000	0.000	0.000	1388.28	
Avg	0.7465	1173.0	1193.9	1193.0	0.919	5.871	67.434	19.822	5.305	0.174	0.409	0.027	0.029	0.011	0.000	0.000	0.000	0.000	1381.86	

Source Daily Summary

March 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	0.7247	1150.6	1171.0	1170.6	0.949	5.151	70.772	18.321	4.261	0.153	0.338	0.022	0.023	0.010	0.000	0.000	0.000	0.000	1375.57	
2	0.7235	1150.0	1170.4	1169.9	0.883	5.183	70.670	18.634	4.162	0.134	0.288	0.018	0.019	0.009	0.000	0.000	0.000	0.000	1375.92	
3	0.7439	1169.1	1189.8	1189.3	0.912	5.885	67.840	19.439	5.345	0.161	0.362	0.022	0.023	0.009	0.000	0.000	0.000	0.000	1379.50	
4	0.7436	1169.7	1190.4	1190.0	0.908	5.828	67.951	19.347	5.373	0.163	0.371	0.024	0.025	0.010	0.000	0.000	0.000	0.000	1380.46	
5	0.7372	1165.5	1186.1	1185.6	0.882	5.525	68.762	19.334	4.959	0.147	0.337	0.022	0.023	0.010	0.000	0.000	0.000	0.000	1381.43	
6	0.7347	1162.0	1182.5	1182.0	0.865	5.527	69.077	19.197	4.815	0.143	0.325	0.020	0.021	0.010	0.000	0.000	0.000	0.000	1379.65	
7	0.7409	1168.3	1189.0	1188.4	0.870	5.714	68.175	19.602	5.045	0.161	0.373	0.024	0.025	0.011	0.000	0.000	0.000	0.000	1381.36	
8	0.7408	1166.4	1187.1	1186.7	0.892	5.789	68.171	19.533	5.025	0.160	0.371	0.023	0.025	0.010	0.000	0.000	0.000	0.000	1379.19	
9	0.7373	1162.9	1183.5	1183.3	0.902	5.657	68.710	19.310	4.852	0.156	0.357	0.023	0.024	0.010	0.000	0.000	0.000	0.000	1378.33	
10	0.7452	1171.9	1192.6	1192.3	0.906	5.845	67.603	19.754	5.261	0.169	0.396	0.026	0.028	0.011	0.000	0.000	0.000	0.000	1381.58	
11	0.7514	1177.7	1198.6	1198.2	0.933	6.026	66.818	19.907	5.635	0.183	0.429	0.028	0.030	0.011	0.000	0.000	0.000	0.000	1382.76	
12	0.7455	1171.7	1192.5	1191.9	0.923	5.857	67.511	19.856	5.232	0.167	0.390	0.025	0.027	0.011	0.000	0.000	0.000	0.000	1381.11	
13	0.7472	1173.3	1194.0	1193.4	0.944	5.893	67.324	19.846	5.358	0.171	0.400	0.026	0.027	0.010	0.000	0.000	0.000	0.000	1381.33	
14	0.7517	1177.4	1198.3	1197.9	0.947	6.058	66.705	20.018	5.597	0.181	0.424	0.028	0.030	0.011	0.000	0.000	0.000	0.000	1382.06	
15	0.7466	1171.5	1192.2	1192.0	0.941	5.955	67.290	19.973	5.196	0.172	0.405	0.027	0.029	0.011	0.000	0.000	0.000	0.000	1379.73	
16	0.7477	1174.1	1194.9	1194.7	0.916	5.931	67.197	19.996	5.299	0.177	0.416	0.027	0.029	0.012	0.000	0.000	0.000	0.000	1381.84	
17	0.7454	1173.4	1194.1	1194.0	0.889	5.799	67.540	19.929	5.186	0.175	0.416	0.027	0.029	0.011	0.000	0.000	0.000	0.000	1383.15	
18	0.7476	1175.1	1195.9	1195.8	0.910	5.865	67.248	20.010	5.290	0.179	0.427	0.029	0.031	0.012	0.000	0.000	0.000	0.000	1383.20	
19	0.7424	1168.6	1189.3	1189.1	0.933	5.746	68.025	19.605	5.044	0.170	0.407	0.027	0.029	0.012	0.000	0.000	0.000	0.000	1380.26	
20	0.7423	1167.7	1188.4	1188.1	0.915	5.813	67.947	19.693	5.011	0.167	0.392	0.025	0.027	0.011	0.000	0.000	0.000	0.000	1379.37	
21	0.7551	1182.5	1203.5	1203.3	0.928	6.093	66.235	20.299	5.708	0.195	0.465	0.031	0.034	0.012	0.000	0.000	0.000	0.000	1384.93	
22	0.7480	1173.9	1194.7	1194.3	0.906	5.980	67.129	20.008	5.321	0.176	0.414	0.027	0.029	0.010	0.000	0.000	0.000	0.000	1381.44	
23	0.7534	1182.9	1203.9	1203.6	0.921	5.920	66.538	20.246	5.636	0.195	0.465	0.032	0.035	0.013	0.000	0.000	0.000	0.000	1386.96	
24	0.7582	1185.5	1206.5	1206.1	0.940	6.187	65.810	20.422	5.883	0.201	0.479	0.032	0.035	0.011	0.000	0.000	0.000	0.000	1385.53	
25	0.7617	1189.8	1210.9	1210.4	0.943	6.239	65.375	20.587	6.056	0.210	0.505	0.035	0.038	0.013	0.000	0.000	0.000	0.000	1387.48	
26	0.7566	1180.5	1201.4	1200.9	0.943	6.337	65.933	20.287	5.782	0.192	0.454	0.030	0.032	0.011	0.000	0.000	0.000	0.000	1381.15	
27	0.7563	1179.7	1200.5	1200.3	0.941	6.361	65.970	20.243	5.770	0.191	0.453	0.029	0.031	0.010	0.000	0.000	0.000	0.000	1380.47	
28	0.7579	1183.8	1204.8	1204.7	0.937	6.259	65.844	20.337	5.869	0.200	0.477	0.032	0.034	0.011	0.000	0.000	0.000	0.000	1383.93	
29	0.7445	1168.4	1189.1	1188.9	0.940	5.941	67.570	19.850	5.076	0.168	0.393	0.026	0.027	0.010	0.000	0.000	0.000	0.000	1378.11	
30	0.7508	1178.7	1199.6	1199.5	0.937	5.908	66.856	20.112	5.479	0.188	0.447	0.030	0.032	0.011	0.000	0.000	0.000	0.000	1384.43	
31	0.7553	1184.8	1205.8	1205.6	0.947	5.937	66.396	20.179	5.765	0.202	0.489	0.034	0.038	0.014	0.000	0.000	0.000	0.000	1387.49	
Avg	0.7464	1173.0	1193.6	1193.2	0.920	5.878	67.451	19.802	5.300	0.174	0.409	0.027	0.029	0.011	0.000	0.000	0.000	0.000	1381.60	

Source Daily Summary

March 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	0.5897	1030.4	1048.7	1048.4	0.542	0.408	93.441	5.497	0.102	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.61	-89.60
2	0.5903	1031.0	1049.3	1049.1	0.549	0.416	93.331	5.585	0.110	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1365.74	-89.11
3	0.5902	1030.9	1049.1	1048.9	0.545	0.428	93.326	5.586	0.108	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1365.59	-89.22
4	0.5895	1029.6	1047.8	1047.6	0.535	0.454	93.448	5.461	0.097	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.74	-90.01
5	0.5892	1029.0	1047.3	1047.0	0.546	0.439	93.526	5.389	0.094	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.38	-90.32
6	0.5890	1028.8	1047.0	1046.8	0.544	0.438	93.568	5.350	0.093	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.29	-90.48
7	0.5896	1029.4	1047.6	1047.3	0.567	0.428	93.460	5.447	0.091	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.30	-90.00
8	0.5892	1029.0	1047.2	1047.0	0.564	0.413	93.542	5.389	0.086	0.003	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.35	-90.33
9	0.5895	1029.1	1047.3	1047.1	0.575	0.423	93.494	5.412	0.091	0.003	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.05	-90.13
10	0.5892	1029.2	1047.5	1047.3	0.560	0.407	93.567	5.343	0.114	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.60	-90.11
11	0.5888	1028.5	1046.7	1046.5	0.559	0.415	93.623	5.300	0.096	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.12	-90.60
12	0.5887	1027.5	1045.7	1045.5	0.563	0.467	93.640	5.222	0.102	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1362.83	-90.86
13	0.5890	1027.8	1046.0	1045.8	0.570	0.467	93.586	5.267	0.104	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1362.87	-90.63
14	0.5889	1027.6	1045.8	1045.6	0.570	0.462	93.620	5.241	0.102	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1362.81	-90.80
15	0.5885	1027.3	1045.4	1045.2	0.561	0.458	93.687	5.193	0.095	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1362.83	-91.11
16	0.5885	1026.9	1045.1	1044.9	0.559	0.484	93.676	5.177	0.098	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1362.38	-91.16
17	0.5884	1026.0	1044.1	1043.9	0.569	0.516	93.711	5.097	0.100	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1361.24	-91.45
18	0.5884	1026.0	1044.2	1043.9	0.568	0.513	93.714	5.097	0.102	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1361.30	-91.44
19	0.5883	1026.6	1044.8	1044.5	0.548	0.507	93.708	5.124	0.107	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1362.10	-91.30
20	0.5882	1026.7	1044.9	1044.6	0.541	0.500	93.718	5.133	0.102	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1362.37	-91.37
21	0.5888	1028.1	1046.3	1046.1	0.546	0.461	93.603	5.280	0.102	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1363.58	-90.68
22	0.5892	1028.7	1046.9	1046.7	0.543	0.463	93.533	5.349	0.105	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1363.96	-90.33
23	0.5897	1029.9	1048.1	1047.9	0.546	0.440	93.431	5.466	0.109	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.86	-89.72
24	0.5900	1030.3	1048.5	1048.3	0.548	0.440	93.376	5.517	0.112	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1365.06	-89.44
25	0.5888	1028.5	1046.7	1046.4	0.544	0.441	93.605	5.307	0.096	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.07	-90.62
26	0.5885	1028.0	1046.2	1046.0	0.546	0.444	93.662	5.244	0.098	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.73	-90.85
27	0.5882	1027.6	1045.8	1045.5	0.540	0.446	93.726	5.180	0.099	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1363.56	-91.11
28	0.5882	1027.4	1045.6	1045.3	0.547	0.443	93.737	5.170	0.096	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1363.36	-91.22
29	0.5889	1028.8	1047.1	1046.8	0.544	0.426	93.589	5.339	0.094	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1364.45	-90.49
30	0.5891	1029.0	1047.2	1047.0	0.550	0.423	93.566	5.351	0.103	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1364.48	-90.32
31	0.5890	1028.3	1046.5	1046.3	0.565	0.435	93.600	5.290	0.104	0.004	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1363.67	-90.53
Avg	0.5890	1028.0	1046.7	1046.4	0.553	0.449	93.575	5.316	0.100	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1363.78	-90.49

Source Daily Summary

March 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	0.6677	1099.1	1118.6	1118.3	0.732	3.286	78.365	16.430	1.093	0.030	0.055	0.003	0.003	0.003	0.000	0.000	0.000	0.000	1368.87	
2	0.6710	1103.4	1122.9	1122.2	0.760	3.289	77.849	16.813	1.181	0.034	0.063	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1370.85	
3	0.6652	1095.8	1115.2	1114.4	0.700	3.300	78.856	15.939	1.109	0.030	0.055	0.004	0.003	0.003	0.000	0.000	0.000	0.000	1367.33	
4	0.6712	1106.9	1126.5	1126.2	0.685	3.211	77.678	17.177	1.159	0.030	0.053	0.003	0.003	0.002	0.000	0.000	0.000	0.000	1374.99	
5	0.6718	1106.4	1126.0	1125.7	0.663	3.328	77.650	17.001	1.251	0.034	0.062	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1373.77	
6	0.6734	1110.2	1129.9	1129.6	0.596	3.346	77.355	17.257	1.327	0.038	0.070	0.005	0.004	0.003	0.000	0.000	0.000	0.000	1376.90	
7	0.6724	1106.4	1126.0	1125.7	0.643	3.409	77.597	16.907	1.325	0.038	0.069	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1373.25	
8	0.6680	1098.0	1117.4	1116.9	0.756	3.341	78.452	16.152	1.191	0.034	0.063	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1367.22	
9	0.6712	1104.4	1123.9	1123.3	0.672	3.385	77.555	17.207	1.100	0.026	0.046	0.003	0.003	0.003	0.000	0.000	0.000	0.000	1371.85	
10	0.6750	1110.0	1129.7	1129.2	0.708	3.339	77.002	17.622	1.225	0.033	0.061	0.004	0.003	0.003	0.000	0.000	0.000	0.000	1375.05	
11	0.6726	1105.3	1124.9	1124.6	0.819	3.239	77.325	17.536	1.010	0.023	0.041	0.002	0.002	0.002	0.000	0.000	0.000	0.000	1371.57	
12	0.6755	1105.1	1124.6	1124.2	0.892	3.413	76.968	17.478	1.158	0.030	0.052	0.003	0.003	0.003	0.000	0.000	0.000	0.000	1368.34	
13	0.6744	1104.4	1123.9	1123.1	0.868	3.390	77.208	17.254	1.182	0.032	0.057	0.004	0.003	0.003	0.000	0.000	0.000	0.000	1368.59	
14	0.6839	1114.4	1134.1	1133.8	0.859	3.685	75.764	17.921	1.619	0.045	0.093	0.006	0.006	0.003	0.000	0.000	0.000	0.000	1371.49	
15	0.6933	1125.4	1145.3	1145.0	0.791	3.999	74.671	17.946	2.329	0.074	0.164	0.011	0.011	0.005	0.000	0.000	0.000	0.000	1375.64	
16	0.6835	1120.2	1140.1	1139.7	0.629	3.639	75.875	17.865	1.813	0.052	0.109	0.007	0.007	0.004	0.000	0.000	0.000	0.000	1379.09	
17	0.6740	1108.7	1128.3	1127.9	0.679	3.379	77.205	17.365	1.264	0.034	0.062	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1374.27	
18	0.6683	1098.5	1117.9	1117.6	0.796	3.283	78.230	16.564	1.047	0.026	0.046	0.003	0.003	0.002	0.000	0.000	0.000	0.000	1367.49	
19	0.6715	1103.9	1123.4	1123.1	0.780	3.276	77.663	17.067	1.128	0.028	0.050	0.003	0.003	0.002	0.000	0.000	0.000	0.000	1370.97	
20	0.6769	1114.2	1133.9	1133.1	0.620	3.402	76.593	17.968	1.314	0.034	0.060	0.004	0.003	0.003	0.000	0.000	0.000	0.000	1378.22	
21	0.6753	1113.0	1132.7	1132.3	0.536	3.448	76.952	17.548	1.403	0.037	0.065	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1378.38	
22	0.6710	1103.3	1122.8	1122.4	0.681	3.418	77.807	16.725	1.265	0.033	0.059	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1370.71	
23	0.6694	1101.4	1120.9	1120.5	0.650	3.426	78.042	16.573	1.213	0.031	0.055	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1370.05	
24	0.6748	1110.0	1129.7	1129.3	0.620	3.455	77.150	17.244	1.415	0.038	0.067	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1375.21	
25	0.6958	1131.3	1151.4	1150.8	0.738	3.946	74.184	18.469	2.403	0.075	0.160	0.010	0.010	0.005	0.000	0.000	0.000	0.000	1380.34	
26	0.6803	1117.0	1136.8	1136.4	0.678	3.457	76.296	17.859	1.561	0.047	0.088	0.006	0.005	0.003	0.000	0.000	0.000	0.000	1378.27	
27	0.6749	1106.1	1125.6	1125.2	0.794	3.443	77.054	17.396	1.223	0.029	0.051	0.003	0.003	0.003	0.000	0.000	0.000	0.000	1370.20	
28	0.6754	1105.6	1125.2	1124.8	0.881	3.383	76.951	17.564	1.138	0.027	0.047	0.003	0.002	0.002	0.000	0.000	0.000	0.000	1369.18	
29	0.6690	1098.2	1117.6	1117.3	0.843	3.301	77.998	16.838	0.963	0.020	0.033	0.002	0.002	0.002	0.000	0.000	0.000	0.000	1366.36	
30	0.6615	1085.8	1105.0	1104.7	0.971	3.149	79.644	15.266	0.909	0.020	0.036	0.002	0.002	0.002	0.000	0.000	0.000	0.000	1358.67	
31	0.6563	1077.2	1096.3	1096.0	1.080	3.018	80.680	14.394	0.773	0.018	0.032	0.002	0.002	0.002	0.000	0.000	0.000	0.000	1353.25	
Avg	0.6737	1106.0	1125.7	1125.3	0.746	3.399	77.375	17.076	1.293	0.035	0.065	0.004	0.004	0.003	0.000	0.000	0.000	0.000	1371.50	

Source Daily Summary

March 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	0.6753	1110.1	1129.8	1129.6	0.688	3.393	76.884	17.723	1.209	0.035	0.061	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1374.84	
2	0.6719	1104.9	1124.5	1124.1	0.639	3.472	77.408	17.257	1.134	0.031	0.054	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1371.75	
3	0.6803	1121.4	1141.2	1140.9	0.585	3.331	75.808	18.918	1.267	0.033	0.055	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1383.67	
4	0.6766	1113.9	1133.6	1133.5	0.616	3.397	76.625	17.973	1.284	0.037	0.063	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1378.16	
5	0.6753	1113.4	1133.1	1132.9	0.558	3.392	76.715	17.900	1.321	0.039	0.068	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1378.78	
6	0.6748	1110.5	1130.2	1130.0	0.629	3.414	77.034	17.512	1.298	0.038	0.067	0.004	0.004	0.000	0.000	0.000	0.000	0.000	1375.78	
7	0.6730	1106.0	1125.5	1125.4	0.691	3.426	77.311	17.296	1.178	0.034	0.058	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1372.01	
8	0.6766	1112.6	1132.3	1132.0	0.685	3.372	76.470	18.272	1.122	0.029	0.047	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1376.58	
9	0.6763	1113.8	1133.5	1133.0	0.625	3.366	76.488	18.315	1.129	0.028	0.047	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1378.30	
10	0.6831	1121.9	1141.8	1141.4	0.748	3.324	75.101	19.725	1.036	0.025	0.040	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1381.46	
11	0.6781	1110.3	1130.0	1129.8	0.832	3.428	76.341	18.170	1.147	0.030	0.049	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1372.21	
12	0.6760	1107.0	1126.6	1126.3	0.841	3.412	76.678	17.807	1.171	0.032	0.055	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1370.24	
13	0.6783	1112.5	1132.2	1132.0	0.783	3.391	76.213	18.417	1.116	0.029	0.048	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1374.70	
14	0.6762	1106.3	1125.9	1125.7	0.861	3.444	76.781	17.674	1.153	0.032	0.053	0.002	0.001	0.000	0.000	0.000	0.000	0.000	1369.27	
15	0.6766	1114.3	1134.0	1133.8	0.609	3.381	76.653	17.946	1.305	0.037	0.063	0.003	0.003	0.000	0.000	0.000	0.000	0.000	1378.66	
16	0.6756	1111.2	1130.9	1130.7	0.660	3.402	76.797	17.815	1.230	0.034	0.058	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1375.83	
17	0.6758	1108.8	1128.5	1128.3	0.756	3.413	76.663	18.013	1.081	0.027	0.045	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1372.78	
18	0.6793	1115.7	1135.5	1135.3	0.712	3.394	76.020	18.613	1.180	0.030	0.050	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1377.68	
19	0.6792	1117.9	1137.7	1137.5	0.602	3.423	76.072	18.502	1.303	0.035	0.058	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1380.39	
20	0.6775	1116.5	1136.3	1136.0	0.520	3.467	76.430	18.099	1.378	0.037	0.063	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1380.49	
21	0.6737	1108.7	1128.3	1128.1	0.603	3.456	77.176	17.395	1.276	0.034	0.056	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1374.71	
22	0.6712	1103.8	1123.3	1123.1	0.652	3.453	77.618	17.000	1.188	0.032	0.053	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1371.11	
23	0.6762	1112.8	1132.5	1132.3	0.586	3.476	76.747	17.708	1.378	0.037	0.062	0.003	0.002	0.000	0.000	0.000	0.000	0.000	1377.15	
24	0.6840	1122.7	1142.6	1142.4	0.677	3.463	75.578	18.524	1.609	0.051	0.090	0.005	0.005	0.000	0.000	0.000	0.000	0.000	1381.49	
25	0.6801	1115.8	1135.6	1135.2	0.715	3.461	76.123	18.190	1.392	0.041	0.071	0.004	0.003	0.000	0.000	0.000	0.000	0.000	1376.97	
26	0.6770	1108.6	1128.2	1127.8	0.814	3.464	76.577	17.876	1.187	0.030	0.048	0.004	0.000	0.000	0.000	0.000	0.000	0.000	1371.11	
27	0.6773	1108.3	1127.9	1127.5	0.898	3.374	76.428	18.210	1.025	0.025	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1370.58	
28	0.6738	1105.2	1124.7	1124.4	0.812	3.370	76.960	17.842	0.963	0.020	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1370.21	
29	0.6750	1102.8	1122.3	1122.1	0.983	3.364	76.913	17.713	0.970	0.022	0.034	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1366.06	
30	0.6749	1098.0	1117.5	1117.3	1.239	3.262	76.899	17.850	0.710	0.016	0.024	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1360.24	
31	0.6759	1100.9	1120.4	1120.2	1.219	3.208	76.691	18.131	0.711	0.016	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1362.84	
Avg	0.6766	1111.0	1130.5	1130.3	0.737	3.400	76.587	18.012	1.176	0.031	0.053	0.002	0.002	0.000	0.000	0.000	0.000	0.000	1374.39	

Source Daily Summary

March 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	0.6746	1111.1	1130.8	1129.7	0.536	3.495	77.576	16.459	1.759	0.058	0.104	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1376.76	
2	0.6753	1112.0	1131.7	1130.6	0.526	3.518	77.471	16.513	1.792	0.060	0.107	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.17	
3	0.6760	1113.2	1132.9	1131.8	0.521	3.523	77.331	16.634	1.809	0.060	0.108	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.88	
4	0.6760	1113.1	1132.8	1131.8	0.527	3.524	77.334	16.627	1.807	0.060	0.108	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.71	
5	0.6758	1112.9	1132.6	1131.6	0.527	3.515	77.349	16.636	1.793	0.060	0.107	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.70	
6	0.6755	1112.5	1132.2	1131.4	0.528	3.510	77.402	16.602	1.779	0.059	0.106	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.52	
7	0.6757	1112.6	1132.3	1131.4	0.514	3.542	77.383	16.570	1.808	0.060	0.108	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.44	
8	0.6758	1112.6	1132.3	1131.3	0.511	3.554	77.384	16.543	1.823	0.061	0.109	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1377.36	
9	0.6757	1112.2	1131.9	1131.3	0.517	3.564	77.391	16.527	1.818	0.061	0.109	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1376.93	
10	0.6754	1110.2	1129.9	1129.5	0.566	3.581	77.459	16.426	1.790	0.060	0.105	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1374.80	
11	0.6751	1111.9	1131.6	1131.1	0.526	3.505	77.471	16.564	1.756	0.059	0.105	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.26	
12	0.6750	1111.8	1131.5	1131.0	0.525	3.506	77.479	16.556	1.756	0.059	0.105	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.22	
13	0.6693	1098.5	1118.0	1117.7	0.730	3.472	78.403	15.854	1.414	0.044	0.074	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1366.52	
14	0.6747	1110.9	1130.6	1129.9	0.520	3.541	77.570	16.400	1.788	0.060	0.107	0.007	0.005	0.000	0.000	0.000	0.000	0.000	1376.39	
15	0.6748	1111.3	1130.9	1130.1	0.514	3.536	77.547	16.439	1.785	0.060	0.107	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1376.75	
16	0.6751	1111.8	1131.5	1130.8	0.517	3.523	77.481	16.529	1.772	0.059	0.106	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.17	
17	0.6749	1112.0	1131.6	1131.0	0.507	3.512	77.474	16.589	1.743	0.058	0.103	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.53	
18	0.6748	1112.0	1131.7	1130.9	0.516	3.493	77.466	16.629	1.723	0.057	0.102	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.62	
19	0.6754	1113.1	1132.8	1131.8	0.507	3.493	77.359	16.734	1.735	0.057	0.101	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1378.37	
20	0.6743	1111.1	1130.8	1130.0	0.515	3.499	77.573	16.519	1.722	0.058	0.102	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.07	
21	0.6757	1114.3	1134.0	1133.3	0.502	3.459	77.414	16.629	1.802	0.062	0.110	0.015	0.006	0.000	0.000	0.000	0.000	0.000	1379.52	
22	0.6755	1112.7	1132.4	1131.6	0.506	3.528	77.391	16.619	1.778	0.059	0.105	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1377.78	
23	0.6741	1110.7	1130.4	1129.5	0.511	3.506	77.629	16.450	1.731	0.058	0.102	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1376.79	
24	0.6743	1110.9	1130.5	1129.6	0.498	3.535	77.613	16.409	1.768	0.059	0.104	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1376.78	
25	0.6736	1108.8	1128.5	1128.0	0.526	3.556	77.728	16.279	1.740	0.057	0.100	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1374.93	
26	0.6744	1110.9	1130.6	1130.0	0.489	3.557	77.601	16.392	1.784	0.059	0.105	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1376.72	
27	0.6650	1096.8	1116.3	1115.8	0.584	3.394	79.036	15.546	1.327	0.040	0.066	0.005	0.004	0.000	0.000	0.000	0.000	0.000	1368.81	
28	0.6728	1108.3	1128.0	1127.6	0.512	3.531	77.846	16.235	1.709	0.056	0.099	0.007	0.005	0.000	0.000	0.000	0.000	0.000	1375.15	
29	0.6744	1111.0	1130.6	1130.5	0.487	3.559	77.595	16.393	1.788	0.060	0.105	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1376.77	
30	0.6745	1110.9	1130.5	1130.4	0.492	3.569	77.588	16.372	1.799	0.060	0.106	0.008	0.006	0.000	0.000	0.000	0.000	0.000	1376.52	
31	0.6741	1109.4	1129.1	1129.0	0.515	3.582	77.673	16.270	1.781	0.060	0.106	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1375.18	
Avg	0.6744	1111.0	1130.4	1129.7	0.525	3.522	77.581	16.450	1.748	0.058	0.103	0.007	0.006	0.000	0.000	0.000	0.000	0.000	1376.39	

Source Daily Summary

March 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	0.6978	1141.8	1162.1	1160.0	1.115	2.936	71.867	23.593	0.475	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.17	-24.37
2	0.6982	1143.0	1163.3	1161.3	1.112	2.911	71.791	23.686	0.486	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.14	-24.04
3	0.6972	1141.9	1162.1	1160.2	1.100	2.900	71.973	23.549	0.464	0.006	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.82	-24.60
4	0.6973	1141.9	1162.1	1160.5	1.099	2.918	71.931	23.578	0.460	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.64	-24.56
5	0.6978	1142.2	1162.5	1160.3	1.112	2.917	71.867	23.616	0.473	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.63	-24.32
6	0.6977	1142.0	1162.2	1160.1	1.113	2.927	71.873	23.594	0.477	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.39	-24.33
7	0.6978	1142.4	1162.6	1160.9	1.111	2.914	71.872	23.605	0.483	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.75	-24.26
8	0.6979	1142.9	1163.2	1161.3	1.097	2.912	71.846	23.633	0.496	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.32	-24.11
9	0.6977	1142.4	1162.6	1160.9	1.098	2.922	71.892	23.582	0.490	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.88	-24.29
10	0.6980	1143.0	1163.2	1161.7	1.115	2.887	71.832	23.674	0.477	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.33	-24.14
11	0.6982	1143.0	1163.2	1161.1	1.125	2.898	71.793	23.688	0.481	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.05	-24.04
12	0.6977	1142.2	1162.4	1160.6	1.128	2.892	71.901	23.579	0.485	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.64	-24.28
13	0.6979	1142.6	1162.9	1161.2	1.114	2.900	71.863	23.622	0.486	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.02	-24.19
14	0.6970	1141.2	1161.5	1160.1	1.115	2.898	72.006	23.522	0.445	0.006	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.22	-24.80
15	0.6977	1142.4	1162.6	1160.8	1.127	2.885	71.884	23.625	0.465	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.81	-24.34
16	0.6974	1141.6	1161.8	1159.9	1.127	2.897	71.954	23.535	0.471	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.24	-24.51
17	0.6979	1142.4	1162.6	1160.8	1.133	2.887	71.867	23.617	0.480	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.70	-24.20
18	0.6974	1142.0	1162.2	1160.3	1.115	2.895	71.943	23.553	0.479	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.69	-24.43
19	0.6975	1141.9	1162.1	1160.4	1.118	2.902	71.945	23.531	0.488	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.51	-24.39
20	0.6972	1141.3	1161.5	1159.7	1.128	2.893	72.026	23.455	0.483	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.08	-24.61
21	0.6971	1141.3	1161.5	1159.8	1.128	2.893	72.014	23.477	0.473	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.07	-24.64
22	0.6971	1141.4	1161.6	1160.0	1.130	2.881	72.020	23.480	0.474	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.25	-24.61
23	0.6980	1143.1	1163.3	1161.7	1.129	2.860	71.855	23.659	0.481	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.46	-24.10
24	0.6972	1142.5	1162.7	1161.0	1.116	2.842	72.011	23.533	0.482	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1392.52	-24.42
25	0.6972	1141.3	1161.5	1159.7	1.135	2.889	72.016	23.453	0.491	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.01	-24.52
26	0.6972	1141.4	1161.6	1160.1	1.133	2.883	72.010	23.477	0.481	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.16	-24.55
27	0.6971	1141.7	1161.9	1160.0	1.130	2.864	72.033	23.469	0.489	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.59	-24.50
28	0.6971	1141.8	1162.1	1160.4	1.129	2.851	72.045	23.472	0.488	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.84	-24.50
29	0.6965	1141.0	1161.2	1159.1	1.123	2.858	72.132	23.411	0.461	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.35	-24.90
30	0.6968	1141.4	1161.6	1159.4	1.130	2.851	72.084	23.456	0.464	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.57	-24.75
31	0.6964	1140.8	1161.0	1158.9	1.122	2.865	72.147	23.390	0.460	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.17	-24.96
Avg	0.6975	1142.0	1162.2	1160.4	1.120	2.891	71.945	23.552	0.477	0.006	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1391.65	-24.43

Source Daily Summary

March 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	0.6503	1085.2	1104.4	1103.0	0.766	2.435	82.001	13.721	0.976	0.032	0.057	0.005	0.004	0.002	0.000	0.000	0.000	0.000	1369.58	-43.58
2	0.6487	1082.6	1101.8	1099.9	0.748	2.469	82.300	13.419	0.965	0.032	0.057	0.005	0.004	0.002	0.000	0.000	0.000	0.000	1368.00	-44.64
3	0.6495	1084.0	1103.1	1101.5	0.755	2.454	82.151	13.563	0.975	0.033	0.057	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1368.82	-44.05
4	0.6471	1075.4	1094.5	1093.1	0.704	2.830	82.531	12.857	0.977	0.033	0.057	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1360.52	-46.01
5	0.6474	1076.1	1095.2	1093.8	0.698	2.823	82.466	12.936	0.974	0.033	0.057	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1361.10	-45.76
6	0.6474	1076.1	1095.1	1093.7	0.699	2.821	82.471	12.936	0.970	0.033	0.057	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1361.07	-45.84
7	0.6481	1079.9	1099.0	1097.5	0.731	2.609	82.413	13.150	0.993	0.034	0.059	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1365.14	-44.83
8	0.6476	1079.1	1098.2	1096.5	0.729	2.615	82.490	13.082	0.979	0.034	0.058	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1364.64	-45.18
9	0.6479	1079.8	1098.9	1096.8	0.730	2.593	82.408	13.222	0.946	0.033	0.056	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1365.28	-45.34
10	0.6464	1079.1	1098.2	1096.4	0.738	2.487	82.655	13.144	0.882	0.034	0.048	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1365.92	-46.68
11	0.6446	1076.0	1095.1	1093.3	0.732	2.507	83.084	12.649	0.928	0.033	0.055	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1364.00	-47.13
12	0.6446	1076.2	1095.3	1093.1	0.727	2.508	83.087	12.632	0.945	0.033	0.056	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1364.20	-46.91
13	0.6464	1079.0	1098.1	1095.8	0.737	2.495	82.767	12.919	0.980	0.033	0.057	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1365.77	-45.66
14	0.6440	1075.2	1094.2	1093.0	0.716	2.527	83.187	12.541	0.927	0.034	0.056	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1363.58	-47.44
15	0.6440	1075.3	1094.3	1092.8	0.713	2.533	83.227	12.443	0.980	0.033	0.058	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1363.59	-46.90
16	0.6438	1074.2	1093.2	1091.4	0.705	2.589	83.223	12.432	0.948	0.033	0.057	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1362.49	-47.35
17	0.6449	1076.0	1095.0	1093.3	0.717	2.571	82.997	12.669	0.944	0.033	0.056	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1363.53	-46.75
18	0.6455	1077.0	1096.1	1094.4	0.720	2.558	82.881	12.796	0.943	0.033	0.056	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1364.20	-46.42
19	0.6462	1078.4	1097.5	1095.9	0.725	2.530	82.781	12.891	0.971	0.032	0.057	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1365.23	-45.78
20	0.6456	1077.3	1096.4	1094.6	0.725	2.535	82.918	12.740	0.980	0.032	0.057	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1364.58	-46.11
21	0.6438	1074.5	1093.5	1091.8	0.703	2.571	83.260	12.383	0.979	0.033	0.057	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1362.90	-47.08
22	0.6434	1074.2	1093.2	1091.6	0.711	2.540	83.324	12.376	0.946	0.033	0.056	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1362.92	-47.54
23	0.6450	1077.2	1096.3	1094.6	0.724	2.492	83.005	12.731	0.946	0.033	0.056	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1365.00	-46.52
24	0.6456	1078.0	1097.1	1095.1	0.726	2.497	82.894	12.821	0.959	0.033	0.057	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1365.38	-46.20
25	0.6464	1078.5	1097.6	1095.5	0.732	2.526	82.747	12.928	0.964	0.033	0.057	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1365.27	-45.80
26	0.6442	1074.5	1093.6	1090.9	0.736	2.561	83.159	12.506	0.937	0.033	0.056	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1362.46	-47.33
27	0.6433	1073.0	1092.0	1089.2	0.739	2.565	83.339	12.334	0.923	0.033	0.056	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1361.46	-48.00
28	0.6423	1065.3	1084.1	1082.7	0.671	3.043	83.374	11.911	0.904	0.032	0.053	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1352.74	-50.22
29	0.6466	1071.5	1090.5	1089.0	0.700	3.027	82.578	12.640	0.954	0.034	0.055	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1356.09	-46.87
30	0.6474	1072.9	1091.9	1090.5	0.698	3.013	82.434	12.788	0.964	0.034	0.056	0.005	0.005	0.003	0.000	0.000	0.000	0.000	1357.13	-46.23
31	0.6622	1097.8	1117.3	1115.8	0.556	3.109	79.827	14.905	1.454	0.047	0.086	0.007	0.007	0.003	0.000	0.000	0.000	0.000	1372.88	-34.53
Avg	0.6465	1077.0	1096.5	1094.7	0.717	2.627	82.709	12.873	0.971	0.033	0.057	0.005	0.005	0.002	0.000	0.000	0.000	0.000	1363.73	-45.96

March-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	
3/1/2025	3/2/2025	2,396	2,592	1082	2,657	2,973	1118.6	1101.245	3/1/2025
3/2/2025	3/3/2025	2,301	2,492	1082.8	1,106	1,241	1122.6	1095.720	3/2/2025
3/3/2025	3/4/2025	2,280	2,465	1081.3	965	1,071	1111	1090.132	3/3/2025
3/4/2025	3/5/2025	3,376	3,651	1,082	2,860	3,225	1126.5	1102.192	3/4/2025
3/5/2025	3/6/2025	2,414	2,612	1082.1	1,843	2,075	1126	1101.106	3/5/2025
3/6/2025	3/7/2025	2,374	2,562	1079.2	2,545	2,877	1129.9	1105.431	3/6/2025
3/7/2025	3/8/2025	1,630	1,765	1,083	2,136	2,404	1126	1107.345	3/7/2025
3/8/2025	3/9/2025	1,615	1,748	1082.5	1,007	1,127	1118.2	1096.211	3/8/2025
3/9/2025	3/10/2025	1,593	1,723	1,082	951	1,074	1128.6	1099.232	3/9/2025
3/10/2025	3/11/2025	1,602	1,734	1,083	2,167	2,445	1129	1109.448	3/10/2025
3/11/2025	3/12/2025	2,197	2,379	1081.9	3,051	3,426	1124.9	1106.899	3/11/2025
3/12/2025	3/13/2025	2,326	2,519	1081.9	1,240	1,399	1125.8	1097.165	3/12/2025
3/13/2025	3/14/2025	1,607	1,737	1,081	855	963	1124.6	1096.076	3/13/2025
3/14/2025	3/15/2025	1,636	1,767	1080	3,567	4,060	1134.1	1117.089	3/14/2025
3/15/2025	3/16/2025	1,597	1,728	1082	3,525	4,061	1145.3	1125.564	3/15/2025
3/16/2025	3/17/2025	1,605	1,727	1,076	2,217	2,549	1140.1	1113.266	3/16/2025
3/17/2025	3/18/2025	1,727	1,852	1072.8	2,085	2,354	1128.3	1103.156	3/17/2025
3/18/2025	3/19/2025	2,395	2,573	1074.7	3,184	3,554	1117.9	1099.355	3/18/2025
3/19/2025	3/20/2025	3,126	3,359	1,075	2,521	2,839	1123.4	1096.441	3/19/2025
3/20/2025	3/21/2025	1,654	1,788	1081.3	956	1,085	1134.4	1100.750	3/20/2025
3/21/2025	3/22/2025	1,636	1,774	1,084	2,282	2,584	1132.7	1112.448	3/21/2025
3/22/2025	3/23/2025	1,628	1,763	1,082	1,638	1,838	1122.7	1102.612	3/22/2025
3/23/2025	3/24/2025	1,616	1,749	1082.1	2,217	2,485	1120.9	1104.542	3/23/2025
3/24/2025	3/25/2025	1,623	1,756	1082	1,662	1,879	1129.7	1106.133	3/24/2025
3/25/2025	3/26/2025	1,622	1,752	1,080	1,192	1,374	1153	1111.038	3/25/2025
3/26/2025	3/27/2025	1,578	1,701	1078	1,725	1,962	1136.8	1108.708	3/26/2025
3/27/2025	3/28/2025	544	587	1078.9	2,458	2,768	1125.6	1117.137	3/27/2025
3/28/2025	3/29/2025	1,311	1,411	1,076	4,005	4,506	1125.2	1113.165	3/28/2025
3/29/2025	3/30/2025	0	0	0	4,736	5,294	1117.6	1117.600	3/29/2025
3/30/2025	3/31/2025	0	0	0	4,296	4,741	1105	1105.000	3/30/2025
3/31/2025	4/1/2025	0	0	0	4,167	4,568	1096.3	1096.300	3/31/2025
		53,009	57,266	975.7968	71,816	80,801	1125.8290	1105.1132	



Alliance Pipeline

DAILY ANALYSIS --- USA
ND07MD1 --- Hankinson Sales
March 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	1,153.212	0.6592	84.2964	10.1440	3.2905	0.3301	0.5520	0.0554	0.0439	0.0164	0.8446	0.4171	0.0095
2	1,152.908	0.6588	84.3570	10.1061	3.2966	0.3248	0.5483	0.0547	0.0428	0.0158	0.8311	0.4137	0.0091
3	1,153.407	0.6594	84.2343	10.1796	3.3278	0.3213	0.5471	0.0525	0.0411	0.0148	0.8564	0.4159	0.0092
4	1,151.174	0.6577	84.4692	10.0647	3.2371	0.3186	0.5350	0.0546	0.0427	0.0164	0.8362	0.4163	0.0092
5	1,151.682	0.6578	84.4782	10.0590	3.2631	0.3213	0.5331	0.0527	0.0413	0.0157	0.8074	0.4188	0.0095
6	1,150.903	0.6579	84.4637	10.0339	3.2488	0.3224	0.5360	0.0533	0.0412	0.0163	0.8389	0.4362	0.0094
7	1,150.659	0.6573	84.4872	10.0991	3.2213	0.3151	0.5139	0.0509	0.0415	0.0185	0.8318	0.4113	0.0094
8	1,151.883	0.6581	84.3672	10.1616	3.2530	0.3137	0.5299	0.0528	0.0404	0.0186	0.8561	0.3974	0.0094
9	1,151.106	0.6577	84.4293	10.1207	3.2249	0.3147	0.5280	0.0541	0.0401	0.0192	0.8586	0.4010	0.0094
10	1,152.278	0.6584	84.3682	10.1185	3.2615	0.3225	0.5423	0.0549	0.0418	0.0207	0.8608	0.3996	0.0092
11	1,151.524	0.6581	84.3903	10.1123	3.2541	0.3176	0.5345	0.0531	0.0400	0.0183	0.8656	0.4053	0.0089
12	1,151.435	0.6578	84.4683	10.0450	3.2526	0.3216	0.5430	0.0534	0.0406	0.0163	0.8515	0.3986	0.0089
13	1,150.407	0.6569	84.5467	10.0568	3.2157	0.3128	0.5214	0.0522	0.0397	0.0161	0.8315	0.3981	0.0089
14	1,150.759	0.6575	84.4550	10.1080	3.2224	0.3137	0.5233	0.0533	0.0406	0.0167	0.8493	0.4086	0.0091
15	1,149.754	0.6566	84.6022	10.0216	3.1927	0.3131	0.5212	0.0519	0.0398	0.0161	0.8209	0.4112	0.0093
16	1,148.584	0.6560	84.6539	9.9909	3.1715	0.3083	0.5102	0.0505	0.0392	0.0160	0.8358	0.4141	0.0095
17	1,149.461	0.6563	84.6241	10.0374	3.1659	0.3124	0.5164	0.0539	0.0404	0.0154	0.8133	0.4115	0.0095
18	1,148.832	0.6557	84.7119	9.9914	3.1442	0.3120	0.5109	0.0530	0.0408	0.0166	0.8050	0.4048	0.0093
19	1,148.590	0.6559	84.6653	10.0082	3.1437	0.3124	0.5124	0.0511	0.0404	0.0161	0.8337	0.4075	0.0091
20	1,148.600	0.6559	84.6868	9.9837	3.1461	0.3136	0.5147	0.0514	0.0412	0.0163	0.8316	0.4056	0.0090
21	1,150.057	0.6574	84.4877	10.0600	3.1957	0.3190	0.5351	0.0516	0.0407	0.0168	0.8609	0.4234	0.0092
22	1,149.848	0.6570	84.5328	10.0569	3.1768	0.3192	0.5272	0.0541	0.0417	0.0163	0.8496	0.4160	0.0093
23	1,150.006	0.6573	84.4824	10.0721	3.1986	0.3173	0.5240	0.0548	0.0415	0.0162	0.8643	0.4194	0.0094
24	1,150.372	0.6573	84.5161	10.0451	3.2074	0.3185	0.5290	0.0552	0.0420	0.0170	0.8481	0.4123	0.0092
25	1,149.981	0.6571	84.5220	10.0591	3.1843	0.3174	0.5281	0.0545	0.0416	0.0170	0.8473	0.4193	0.0094
26	1,150.441	0.6572	84.5179	10.0621	3.1981	0.3180	0.5301	0.0543	0.0418	0.0172	0.8389	0.4121	0.0094
27	1,150.971	0.6574	84.5300	10.0382	3.2090	0.3220	0.5406	0.0546	0.0429	0.0176	0.8319	0.4037	0.0094
28	1,150.364	0.6571	84.5644	10.0241	3.1869	0.3203	0.5337	0.0540	0.0449	0.0195	0.8390	0.4041	0.0092
29	1,146.366	0.6535	85.0068	9.8670	3.0563	0.3068	0.4892	0.0500	0.0412	0.0164	0.7613	0.3959	0.0093
30	1,142.945	0.6499	85.5753	9.5989	2.9347	0.2963	0.4566	0.0507	0.0420	0.0170	0.6274	0.3917	0.0093
31	1,141.556	0.6489	85.6143	9.6852	2.8628	0.2853	0.4245	0.0500	0.0416	0.0164	0.6172	0.3932	0.0095
Volume	1,149.995	0.6567	84.5846	10.0322	3.1915	0.3156	0.5223	0.0530	0.0413	0.0169	0.8241	0.4092	0.0093
Weight Avg Energy	1,149.999	0.6568	84.5840	10.0324	3.1917	0.3156	0.5224	0.0530	0.0413	0.0169	0.8242	0.4093	0.0093



Alliance Pipeline

DAILY ANALYSIS --- USA
 ND14MD1 --- Milnor Sales
 March 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	1,153.104	0.6591	84.3040	10.1418	3.2905	0.3286	0.5495	0.0552	0.0438	0.0164	0.8445	0.4163	0.0094
2	1,153.554	0.6592	84.2910	10.1398	3.3176	0.3259	0.5531	0.0547	0.0426	0.0156	0.8377	0.4127	0.0092
3	1,152.918	0.6590	84.2841	10.1625	3.3071	0.3199	0.5428	0.0527	0.0413	0.0151	0.8525	0.4129	0.0092
4	1,151.280	0.6578	84.4664	10.0619	3.2426	0.3195	0.5359	0.0545	0.0426	0.0163	0.8342	0.4169	0.0093
5	1,151.553	0.6578	84.4805	10.0566	3.2588	0.3212	0.5325	0.0528	0.0414	0.0159	0.8080	0.4228	0.0095
6	1,150.996	0.6580	84.4517	10.0474	3.2497	0.3218	0.5350	0.0531	0.0412	0.0165	0.8399	0.4343	0.0094
7	1,150.714	0.6573	84.4822	10.1043	3.2228	0.3144	0.5131	0.0508	0.0414	0.0191	0.8327	0.4097	0.0094
8	1,152.123	0.6582	84.3538	10.1686	3.2579	0.3152	0.5331	0.0530	0.0404	0.0179	0.8551	0.3957	0.0094
9	1,150.962	0.6576	84.4471	10.1099	3.2194	0.3146	0.5270	0.0540	0.0402	0.0201	0.8583	0.4001	0.0094
10	1,152.604	0.6587	84.3380	10.1392	3.2684	0.3226	0.5435	0.0551	0.0420	0.0213	0.8604	0.4004	0.0091
11	1,151.397	0.6580	84.3994	10.1067	3.2521	0.3174	0.5343	0.0529	0.0399	0.0173	0.8669	0.4041	0.0089
12	1,151.510	0.6578	84.4661	10.0526	3.2511	0.3215	0.5429	0.0536	0.0405	0.0165	0.8489	0.3975	0.0089
13	1,150.430	0.6569	84.5408	10.0606	3.2173	0.3125	0.5207	0.0521	0.0399	0.0162	0.8326	0.3983	0.0089
14	1,150.866	0.6576	84.4415	10.1197	3.2225	0.3137	0.5244	0.0531	0.0404	0.0169	0.8495	0.4091	0.0092
15	1,149.613	0.6564	84.6330	10.0057	3.1871	0.3127	0.5209	0.0520	0.0397	0.0160	0.8112	0.4123	0.0093
16	1,148.046	0.6558	84.6865	9.9762	3.1558	0.3070	0.5052	0.0504	0.0394	0.0159	0.8388	0.4152	0.0095
17	1,149.681	0.6564	84.6075	10.0476	3.1697	0.3132	0.5184	0.0543	0.0404	0.0153	0.8149	0.4091	0.0094
18	1,148.731	0.6557	84.7115	9.9863	3.1442	0.3123	0.5116	0.0525	0.0406	0.0165	0.8098	0.4055	0.0093
19	1,148.449	0.6558	84.6848	10.0055	3.1367	0.3114	0.5097	0.0509	0.0407	0.0163	0.8274	0.4075	0.0091
20	1,148.529	0.6559	84.6831	9.9882	3.1447	0.3133	0.5128	0.0514	0.0411	0.0164	0.8344	0.4057	0.0090
21	1,150.269	0.6576	84.4711	10.0679	3.2001	0.3194	0.5383	0.0517	0.0408	0.0168	0.8594	0.4253	0.0092
22	1,149.873	0.6571	84.5223	10.0615	3.1786	0.3192	0.5271	0.0541	0.0417	0.0164	0.8533	0.4163	0.0093
23	1,149.812	0.6571	84.5133	10.0573	3.1940	0.3161	0.5217	0.0547	0.0414	0.0161	0.8574	0.4185	0.0095
24	1,150.426	0.6574	84.5005	10.0536	3.2082	0.3188	0.5301	0.0551	0.0420	0.0170	0.8514	0.4140	0.0092
25	1,149.887	0.6570	84.5421	10.0499	3.1803	0.3169	0.5272	0.0546	0.0415	0.0172	0.8428	0.4181	0.0094
26	1,150.650	0.6574	84.4993	10.0739	3.2033	0.3184	0.5315	0.0540	0.0419	0.0172	0.8396	0.4114	0.0094
27	1,151.286	0.6575	84.5205	10.0339	3.2181	0.3236	0.5455	0.0549	0.0433	0.0179	0.8302	0.4027	0.0093
28	1,149.880	0.6567	84.5924	10.0198	3.1723	0.3180	0.5273	0.0537	0.0446	0.0192	0.8408	0.4027	0.0092
29	1,145.770	0.6529	85.1119	9.8181	3.0333	0.3058	0.4834	0.0502	0.0413	0.0165	0.7363	0.3940	0.0093
30	1,143.104	0.6499	85.5594	9.6124	2.9380	0.2965	0.4569	0.0506	0.0419	0.0168	0.6277	0.3905	0.0093
31	1,141.232	0.6486	85.6381	9.6917	2.8473	0.2826	0.4180	0.0500	0.0417	0.0166	0.6131	0.3914	0.0096
Volume	1,149.958	0.6567	84.5899	10.0311	3.1898	0.3153	0.5217	0.0530	0.0414	0.0169	0.8224	0.4092	0.0093
Weight Avg Energy	1,149.959	0.6567	84.5898	10.0312	3.1898	0.3153	0.5217	0.0530	0.0414	0.0169	0.8224	0.4092	0.0093

March-25

ZONE 610

Watford City		01325 Watford City West Border WBI Meter #0602225			01312 Watford City East Border WBI Meter #2702230			Weighted	
Start Date	End Date	MCF	DK	BTU Zone 25	MCF	DK	BTU Zone 43	AVG BTU	
3/1/2025	3/2/2025	333	400	1201	659	686	1041	1094.710	3/1/2025
3/2/2025	3/3/2025	279	335	1201	471	491	1041	1100.520	3/2/2025
3/3/2025	3/4/2025	321	385	1201	601	625	1041	1096.705	3/3/2025
3/4/2025	3/5/2025	446	536	1201	930	968	1041	1092.860	3/4/2025
3/5/2025	3/6/2025	408	490	1201	857	892	1041	1092.605	3/5/2025
3/6/2025	3/7/2025	388	466	1201	812	845	1041	1092.733	3/6/2025
3/7/2025	3/8/2025	338	406	1201	645	671	1041	1096.015	3/7/2025
3/8/2025	3/9/2025	274	329	1201	462	481	1041	1100.565	3/8/2025
3/9/2025	3/10/2025	252	302	1201	454	472	1041	1098.110	3/9/2025
3/10/2025	3/11/2025	358	430	1201	699	728	1041	1095.191	3/10/2025
3/11/2025	3/12/2025	394	473	1201	777	809	1041	1094.834	3/11/2025
3/12/2025	3/13/2025	282	339	1201	489	509	1041	1099.521	3/12/2025
3/13/2025	3/14/2025	258	310	1201	389	405	1041	1104.802	3/13/2025
3/14/2025	3/15/2025	429	515	1201	961	1,001	1041	1090.381	3/14/2025
3/15/2025	3/16/2025	415	498	1201	874	910	1041	1092.513	3/15/2025
3/16/2025	3/17/2025	348	418	1201	674	701	1041	1095.481	3/16/2025
3/17/2025	3/18/2025	367	440	1201	770	801	1041	1092.645	3/17/2025
3/18/2025	3/19/2025	352	423	1201	735	765	1041	1092.812	3/18/2025
3/19/2025	3/20/2025	335	402	1201	678	705	1041	1093.912	3/19/2025
3/20/2025	3/21/2025	281	338	1201	501	522	1041	1098.494	3/20/2025
3/21/2025	3/22/2025	303	364	1201	491	511	1041	1102.058	3/21/2025
3/22/2025	3/23/2025	312	374	1201	567	591	1041	1097.792	3/22/2025
3/23/2025	3/24/2025	299	359	1201	618	644	1041	1093.170	3/23/2025
3/24/2025	3/25/2025	280	337	1201	523	545	1041	1096.791	3/24/2025
3/25/2025	3/26/2025	259	311	1201	404	421	1041	1103.504	3/25/2025
3/26/2025	3/27/2025	264	317	1201	473	492	1041	1098.313	3/26/2025
3/27/2025	3/28/2025	212	254	1201	376	392	1041	1098.687	3/27/2025
3/28/2025	3/29/2025	353	424	1201	807	840	1041	1089.690	3/28/2025
3/29/2025	3/30/2025	369	443	1201	797	830	1041	1091.635	3/29/2025
3/30/2025	3/31/2025	367	441	1201	818	852	1041	1090.553	3/30/2025
3/31/2025	4/1/2025	356	428	1201	842	877	1041	1088.546	3/31/2025
		10,232	12,287	1201.0000	20,154	20,982	1041.0000	1095.6822	

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	MAR25	FEB25	JAN25	DEC24	NOV24	OCT24	SEP24	AUG24	JUL24	JUN24	MAY24	APR24
MT/ND	211	Sidney Border - MonDak Tfr - Sidney Plt	1186	1186	1173	1183	1183	1184	1182	1191	1194	1192	1190	1187	1184
ND	24	Williston Border - Charbonneau Station	1188	1206	1197	1185	1182	1179	1187	1187	1185	1191	1186	1184	1181
ND	25	Watford City West Border	1195	1201	1206	1191	1193	1186	1194	1194	1197	1192	1187	1201	1193
ND	28	Bismarck Station - Glen Ullin Station	1168	1126	1116	1134	1136	1159	1171	1204	1203	1200	1202	1200	1160
ND	31	Dickinson Brd - Belfield Trf - G Ullin Stn	1123	1131	1129	1137	1139	1144	1111	1106	1111	1115	1108	1106	1133
ND/MT	32	Cabin Creek Station - Belfied Transfer	1133	1130	1133	1134	1130	1135	1139	1128	1135	1110	1135	1144	1144
ND	33	Little Knife Plant	1166	1162	1162	1164	1162	1163	1165	1162	1165	1173	1170	1170	1173
ND	34	Badlands Plant/Bowman Border	1060	1097	1097	1104	1104	1127	1110	1034	980	981	1040	1043	1005
ND	43	Watford City East Border	1092	1041	1094	1107	1107	1110	1112	1112	1117	1085	1081	1075	1066
ND/MT	241	Fairview Border	1182	1191	1182	1183	1181	1180	1185	1183	1182	1185	1181	1172	1182
ND	267	North Tioga Transfer - Nesson Plant	1194	1197	1197	1194	1204	1191	1191	1195	1199	1191	1191	1193	1183
ND	261	Tioga Comp Station - Robinson Lake Plant	1201	1204	1209	1198	1209	1208	1208	1195	1200	1195	1197	1195	1196
ND	262	Minot Bdr - Palermo Bdr - Bismarck Stn	1204	1205	1210	1207	1209	1207	1210	1203	1201	1199	1200	1199	1195
ND	263	Lignite Plant	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131	1131
ND	264	Epping Border	1180	1201	1202	1174	1174	1166	1183	1188	1182	1179	1172	1168	1176
ND	265	Tioga Comp Station - County Line Plant	1184	1184	1190	1191	1191	1180	1175	1179	1181	1183	1174	1188	1195
ND	266	County Line Plant	1186	1186	1193	1189	1192	1182	1177	1181	1183	1187	1174	1188	1195
ND	271	Bismarck Station - Cleveland Station	1195	1195	1158	1182	1190	1200	1212	1204	1203	1200	1202	1201	1198
ND	272	Cleveland Station - Mapleton	1195	1194	1157	1182	1190	1200	1211	1202	1202	1200	1201	1200	1197
ND	273	Cleveland Station - Grafton Border	1195	1194	1157	1182	1189	1199	1211	1202	1202	1200	1202	1199	1198
ND	274	Felton(Viking) - Kindred-Wahpeton	0	1047	1050	1050	1050	0	0	0	0	0	0	0	0
ND	550	Mandan Border / NBPL-St Anthony	1151	1105	1102	1120	1115	1156	1164	1198	1179	1168	1160	1192	1157
ND	610	MDU-Watford City BTU	1122	1096	1131	1133	1135	1139	1130	1115	1127	1108	1111	1121	1112
ND	802	NBPL - Linton	1098	1080	1085	1093	1093	1100	1099	1103	1108	1100	1100	1104	1109
ND	903	Hettinger Propane	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549
ND	600	Alliance Pipeline - Hankinson	1153	1150	1153	1155	1155	1155	1157	1159	1157	1148	1147	1148	1148
ND	601	Alliance Pipeline - Milnor	1153	1150	1153	1154	1155	1155	1157	1160	1157	1149	1147	1149	1148

THERMAL ZONE VARIANCE DOCUMENTATION		
March 2025		
<i>ZONE</i>	<i>BTU VARIANCE</i>	<i>REASON</i>
43	-53	Blend
271	37	Operational
272	37	Operational
273	37	Operational
610	-35	Operational