

400 North Fourth Street
Bismarck, ND 58501
701-222-7900

August 11, 2021

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

Re: Case No. PU-21-002 (Therm Billing)
Monthly Report – June 2021

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 July 2021.
2. Attachment B consists of copies of the monthly Heating Value Test Reports received from our suppliers for the month of June 2021.
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 June 2021.

Montana-Dakota respectfully request 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
Director of Regulatory Affairs

Montana-Dakota Utilities Co.
Therm Billing Factors - North Dakota
Jul-21

<u>Town</u>	<u>Heat Zone</u>	<u>Therm Factor</u>
MDU-303-ALEXANDER	025	1.1353
MDU-308-ARNEGARD	025	1.1353
MDU-314-APPLE VALLEY	271	1.1540
MDU-318-BEACH	032	1.0369
MDU-319-BELFIELD	032	1.0445
MDU-323-BERTHOLD	262	1.1287
MDU-324-BEULAH	032	1.0445
MDU-327-BISMARCK	028	1.1202
MDU-330-BOWMAN	034	0.9073
MDU-337-BURLINGTON	262	1.1530
MDU-343-CARRINGTON	273	1.1530
MDU-344-CLEVELAND	272	1.1459
MDU-364-CAVALIER	273	1.1774
MDU-365-DAWSON	271	1.1459
MDU-368-DES LACS	262	1.1368
MDU-369-DICKINSON	031	1.0877
MDU-374-FT TOTTEN	273	1.1611
MDU-375-DEVILS LAKE	273	1.1611
MDU-379-BARLOW	273	1.1530
MDU-384-EPPING	264	1.0985
MDU-387-ELDRIDGE	272	1.1540
MDU-407-GLADSTONE	031	1.0877
MDU-411-GLEN ULLIN	031	1.0956
MDU-413-GOLVA	032	1.0216
MDU-416-GARRISON	262	1.1368
MDU-417-GRAFTON	273	1.1855
MDU-403-GWINNER	601	1.1409
MDU-429-HEBRON	031	1.0956
MDU-432-HETTINGER	903	2.3875
MDU-449-JAMESTOWN	272	1.1621
MDU-459-KILLDEER	033	1.1098
MDU-463-LANGDON	273	1.1530
MDU-469-LEFOR	031	1.0877
MDU-474-LIGNITE	263	1.0816
MDU-475-LINTON	802	1.0556
MDU-478-LINCOLN	028	1.1202
MDU-488-MCKENZIE	271	1.1540
MDU-494-MEDINA	271	1.1459
MDU-498-MANDAN	028	1.1202
MDU-500-MARMARTH	034	0.9140
MDU-505-MINOT	262	1.1530
MDU-510-MOTT	031	1.0877
MDU-512-MAX	262	1.1287
MDU-513-MILNOR	601	1.1409
MDU-522-NEW ENGLAND	031	1.0799
MDU-524-NEW SALEM	028	1.0966
MDU-532-NEW ROCKFORD	273	1.1530
MDU-539-PARK RIVER	273	1.1774
MDU-540-PALERMO	262	1.1287

MDU-558-RAY	264	1.0985
MDU-561-REGENT	031	1.0799
MDU-563-RHAME	034	0.9005
MDU-564-RICHARDTON	031	1.0799
MDU-568-ROSS	261	1.1187
MDU-572-RUTHVILLE	262	1.1530
MDU-574-SANBORN	272	1.1621
MDU-583-SENTINEL BUTTE	032	1.0369
MDU-588-SOUTH HEART	031	1.0799
MDU-717-SPIRITWOOD	272	1.1621
MDU-590-SPRINGBROOK	264	1.0985
MDU-591-STANLEY	261	1.1268
MDU-593-STEELE	271	1.1459
MDU-594-STERLING	028	1.1202
MDU-598-SHEYENNE	273	1.1611
MDU-605-SURREY	262	1.1530
MDU-610-TAPPEN	271	1.1459
MDU-611-TAYLOR	031	1.0799
MDU-616-TIOGA	260	1.0868
MDU-619-TURTLE LAKE	262	1.1368
MDU-620-TRENTON	024	1.1111
MDU-624-UNDERWOOD	262	1.1368
MDU-625-VALLEY CITY	272	1.1702
MDU-629-WALHALLA	273	1.1774
MDU-632-WATFORD CITY	610	1.0975
MDU-636-WHEELOCK	264	1.0906
MDU-637-WHITE EARTH	261	1.1268
MDU-642-WILLISTON	024	1.1111
MDU-646-WASHBURN	262	1.1449
MDU-647-WILTON	262	1.1287
MDU-664-RIVERDALE	262	1.1368
MDU-691-FAIRVIEW	241	1.1159
MDU-712-MINOT AFB	262	1.1530
MDU-718-FAIRMOUNT	600	1.1385
MDU-732-NEKOMA	273	1.1530
MDU-732-MSR SITE	273	1.1530

Source Daily Summary

June 2021

Number:	251	Pressure Base:	14.730	Contract Day:	1
Name:	SDNY BDR-MNDK JNCTN-SDNY PLT	Temperature Base:		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	0.7380	1189.9	1211.0	1207.0	1.303	3.483	67.269	24.381	3.172	0.127	0.239	0.014	0.011	0.000	0.000	0.000	0.000	0.000	0.000	1406.24
2	0.7438	1197.7	1218.9	1214.7	1.329	3.516	66.118	25.474	3.166	0.129	0.243	0.014	0.011	0.000	0.000	0.000	0.000	0.000	0.000	1409.86
3	0.7436	1195.5	1216.7	1213.4	1.335	3.563	66.352	25.014	3.318	0.135	0.256	0.014	0.012	0.000	0.000	0.000	0.000	0.000	0.000	1408.57
4	0.7424	1197.1	1218.3	1214.0	1.293	3.469	66.665	24.737	3.429	0.131	0.249	0.014	0.012	0.000	0.000	0.000	0.000	0.000	0.000	1410.50
5	0.7303	1182.5	1203.5	1199.4	1.191	3.375	68.608	23.418	3.014	0.122	0.242	0.015	0.014	0.000	0.000	0.000	0.000	0.000	0.000	1404.85
6	0.7360	1187.3	1208.3	1204.4	1.303	3.454	67.602	24.154	3.096	0.128	0.240	0.013	0.011	0.000	0.000	0.000	0.000	0.000	0.000	1405.08
7	0.7316	1184.9	1205.9	1201.8	1.224	3.316	68.128	24.151	2.791	0.121	0.240	0.015	0.013	0.000	0.000	0.000	0.000	0.000	0.000	1406.33
8	0.7088	1149.5	1169.9	1166.0	1.071	3.549	72.116	20.523	2.411	0.102	0.203	0.013	0.012	0.000	0.000	0.000	0.000	0.000	0.000	1385.58
9	0.5805	946.5	963.3	960.2	0.155	5.259	94.120	0.421	0.037	0.005	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1261.38
10	0.6120	995.6	1013.3	1010.0	0.358	4.915	88.695	5.303	0.646	0.028	0.049	0.003	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1291.51
11	0.5864	956.2	973.1	970.1	0.179	5.185	93.078	1.398	0.143	0.008	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1267.83
12	0.5794	945.0	961.7	958.7	0.148	5.257	94.319	0.253	0.017	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1260.57
13	0.5794	944.9	961.6	958.6	0.147	5.266	94.314	0.251	0.017	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1260.41
14	0.5794	944.8	961.6	958.4	0.148	5.267	94.314	0.249	0.017	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1260.38
15	0.5794	944.8	961.6	958.4	0.147	5.268	94.313	0.250	0.017	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1260.37
16	0.6574	1066.8	1085.6	1082.0	0.650	4.405	80.978	12.195	1.563	0.068	0.127	0.008	0.006	0.000	0.000	0.000	0.000	0.000	0.000	1334.20
17	0.7515	1212.1	1233.6	1229.3	1.305	3.396	64.656	26.965	3.284	0.125	0.242	0.014	0.011	0.000	0.000	0.000	0.000	0.000	0.000	1419.52
18	0.7509	1210.8	1232.3	1228.0	1.307	3.418	64.568	27.232	3.084	0.125	0.241	0.014	0.011	0.000	0.000	0.000	0.000	0.000	0.000	1418.59
19	0.7486	1206.9	1228.3	1224.1	1.300	3.448	65.029	26.759	3.060	0.129	0.247	0.015	0.012	0.000	0.000	0.000	0.000	0.000	0.000	1416.19
20	0.7471	1204.7	1226.0	1221.9	1.307	3.444	65.150	26.792	2.923	0.123	0.236	0.014	0.011	0.000	0.000	0.000	0.000	0.000	0.000	1414.88
21	0.7457	1201.3	1222.5	1218.4	1.287	3.539	65.536	26.232	3.003	0.129	0.246	0.015	0.012	0.000	0.000	0.000	0.000	0.000	0.000	1412.30
22	0.7334	1190.3	1211.4	1207.2	1.037	3.439	67.279	25.261	2.672	0.102	0.188	0.012	0.010	0.000	0.000	0.000	0.000	0.000	0.000	1411.21
23	0.7007	1171.6	1192.3	1188.5	0.055	2.996	71.832	23.050	2.022	0.020	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1421.17
24	0.6965	1164.7	1185.4	1181.7	0.058	3.015	72.432	22.677	1.780	0.016	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1417.10
25	0.7434	1200.0	1221.2	1217.2	1.266	3.440	66.003	25.858	3.035	0.127	0.244	0.014	0.012	0.000	0.000	0.000	0.000	0.000	0.000	1412.98
26	0.7413	1193.2	1214.3	1210.2	1.346	3.526	66.809	24.626	3.255	0.140	0.269	0.016	0.013	0.000	0.000	0.000	0.000	0.000	0.000	1407.00
27	0.7423	1195.1	1216.3	1212.2	1.348	3.504	66.550	24.951	3.210	0.139	0.269	0.016	0.013	0.000	0.000	0.000	0.000	0.000	0.000	1408.30
28	0.7428	1196.8	1218.0	1213.8	1.340	3.468	66.164	25.626	2.994	0.130	0.250	0.015	0.012	0.000	0.000	0.000	0.000	0.000	0.000	1409.72
29	0.7426	1196.3	1217.4	1213.3	1.340	3.471	66.339	25.341	3.096	0.132	0.254	0.015	0.013	0.000	0.000	0.000	0.000	0.000	0.000	1409.41
30	0.7158	1180.7	1201.7	1197.4	0.420	3.307	69.830	23.719	2.566	0.055	0.094	0.005	0.004	0.000	0.000	0.000	0.000	0.000	0.000	1417.08
Avg	0.6977	1132.0	1151.8	1148.0	0.890	3.865	73.839	18.909	2.228	0.087	0.164	0.010	0.008	0.000	0.000	0.000	0.000	0.000	0.000	1374.30

Source Daily Summary

June 2021

Number: 571

Pressure Base: 14.730

Contract Day: 1

Name: WILLISTON BDR-CHARBN STN

Temperature Base:

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	0.7000	1145.7	1166.0	1162.5	0.939	3.161	73.677	19.610	2.295	0.090	0.196	0.015	0.017	0.000	0.000	0.000	0.000	0.000	1390.33	
2	0.7022	1148.1	1168.4	1164.9	0.930	3.230	73.457	19.570	2.464	0.098	0.216	0.016	0.019	0.000	0.000	0.000	0.000	0.000	1391.08	
3	0.7020	1149.3	1169.7	1166.1	0.926	3.143	73.468	19.672	2.452	0.096	0.208	0.016	0.019	0.000	0.000	0.000	0.000	0.000	1392.77	
4	0.7013	1148.6	1169.0	1165.4	0.926	3.121	73.618	19.527	2.471	0.097	0.208	0.015	0.017	0.000	0.000	0.000	0.000	0.000	1392.63	
5	0.6994	1147.8	1168.2	1164.6	0.930	2.982	73.869	19.590	2.298	0.093	0.203	0.016	0.019	0.000	0.000	0.000	0.000	0.000	1393.56	
6	0.6972	1144.1	1164.3	1160.8	0.946	2.985	74.226	19.305	2.211	0.091	0.200	0.016	0.019	0.000	0.000	0.000	0.000	0.000	1391.12	
7	0.6969	1142.8	1163.0	1159.5	0.950	3.026	74.339	19.106	2.243	0.093	0.207	0.016	0.020	0.000	0.000	0.000	0.000	0.000	1389.88	
8	0.6968	1140.8	1161.0	1157.5	0.930	3.171	74.340	18.932	2.301	0.093	0.201	0.015	0.018	0.000	0.000	0.000	0.000	0.000	1387.58	
9	0.6974	1143.7	1164.0	1160.4	0.931	3.041	74.206	19.252	2.238	0.092	0.204	0.016	0.019	0.000	0.000	0.000	0.000	0.000	1390.60	
10	0.6951	1139.4	1159.6	1156.1	0.933	3.090	74.644	18.750	2.269	0.089	0.192	0.015	0.017	0.000	0.000	0.000	0.000	0.000	1387.61	
11	0.6951	1137.1	1157.3	1153.9	0.921	3.244	74.494	18.862	2.187	0.084	0.179	0.013	0.015	0.000	0.000	0.000	0.000	0.000	1384.88	
12	0.6987	1140.7	1160.9	1157.5	0.934	3.349	73.987	19.041	2.362	0.095	0.201	0.014	0.017	0.000	0.000	0.000	0.000	0.000	1385.59	
13	0.6986	1141.7	1161.9	1158.4	0.934	3.277	73.999	19.127	2.340	0.093	0.199	0.015	0.017	0.000	0.000	0.000	0.000	0.000	1386.90	
14	0.6979	1140.8	1161.0	1157.5	0.924	3.281	74.135	18.967	2.382	0.091	0.191	0.013	0.015	0.000	0.000	0.000	0.000	0.000	1386.53	
15	0.7013	1145.8	1166.1	1162.4	0.927	3.286	73.837	18.994	2.556	0.109	0.245	0.020	0.025	0.000	0.000	0.000	0.000	0.000	1389.17	
16	0.6991	1144.4	1164.7	1161.2	0.915	3.189	73.915	19.286	2.370	0.094	0.201	0.014	0.016	0.000	0.000	0.000	0.000	0.000	1389.70	
17	0.6977	1142.9	1163.1	1159.6	0.928	3.123	74.191	19.116	2.320	0.092	0.197	0.015	0.017	0.000	0.000	0.000	0.000	0.000	1389.29	
18	0.6991	1141.2	1161.4	1158.0	0.930	3.362	73.948	19.017	2.418	0.094	0.201	0.014	0.016	0.000	0.000	0.000	0.000	0.000	1385.82	
19	0.6992	1141.8	1162.0	1158.5	0.937	3.328	73.998	18.943	2.464	0.096	0.203	0.014	0.017	0.000	0.000	0.000	0.000	0.000	1386.33	
20	0.6991	1141.6	1161.8	1158.4	0.933	3.328	74.026	18.930	2.449	0.096	0.205	0.015	0.017	0.000	0.000	0.000	0.000	0.000	1386.30	
21	0.7006	1143.5	1163.7	1160.3	0.931	3.361	73.774	19.099	2.485	0.099	0.215	0.016	0.019	0.000	0.000	0.000	0.000	0.000	1387.04	
22	0.7006	1145.4	1165.7	1162.1	0.941	3.230	73.796	19.200	2.486	0.098	0.214	0.016	0.019	0.000	0.000	0.000	0.000	0.000	1389.37	
23	0.7010	1145.7	1166.0	1162.5	0.931	3.264	73.780	19.109	2.564	0.101	0.218	0.016	0.018	0.000	0.000	0.000	0.000	0.000	1389.39	
24	0.7001	1143.2	1163.4	1160.0	0.925	3.339	73.748	19.243	2.422	0.093	0.199	0.014	0.016	0.000	0.000	0.000	0.000	0.000	1387.26	
25	0.7023	1144.9	1165.2	1161.8	0.893	3.486	73.439	19.290	2.537	0.101	0.220	0.016	0.018	0.000	0.000	0.000	0.000	0.000	1387.22	
26	0.7012	1144.8	1165.1	1161.5	0.936	3.324	73.753	19.096	2.527	0.102	0.224	0.017	0.021	0.000	0.000	0.000	0.000	0.000	1388.12	
27	0.6995	1142.2	1162.4	1159.0	0.947	3.308	73.876	19.157	2.383	0.094	0.203	0.015	0.017	0.000	0.000	0.000	0.000	0.000	1386.65	
28	0.6984	1140.1	1160.3	1156.8	0.950	3.334	73.909	19.253	2.250	0.086	0.187	0.014	0.017	0.000	0.000	0.000	0.000	0.000	1385.16	
29	0.6998	1143.3	1163.6	1160.1	0.952	3.264	73.703	19.467	2.304	0.089	0.191	0.014	0.016	0.000	0.000	0.000	0.000	0.000	1387.71	
30	0.6982	1142.7	1162.9	1159.3	0.948	3.163	73.980	19.353	2.247	0.087	0.190	0.014	0.017	0.000	0.000	0.000	0.000	0.000	1388.46	
Avg	0.6992	1143.0	1163.7	1160.2	0.933	3.226	73.938	19.195	2.377	0.094	0.204	0.015	0.018	0.000	0.000	0.000	0.000	0.000	1388.47	

Source Daily Summary

June 2021

Number:	164	Pressure Base:	14.730	Contract Day:	1
Name:	N TIOGA TRANSFER-NESSON PLT	Temperature Base:		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	0.7008	1136.1	1156.3		0.809	4.012	73.728	18.352	2.778	0.091	0.196	0.015	0.017	0.004						1378.09
2	0.7052	1142.1	1162.3		0.797	4.073	73.175	18.550	3.035	0.102	0.228	0.017	0.019	0.004						1381.04
3	0.7040	1142.1	1162.3		0.783	3.986	73.285	18.623	2.991	0.096	0.202	0.014	0.017	0.004						1382.20
4	0.7042	1142.3	1162.5		0.773	4.007	73.355	18.426	3.097	0.101	0.211	0.014	0.015	0.002						1382.19
5	0.6949	1131.9	1151.9		0.762	3.784	74.748	17.779	2.621	0.087	0.183	0.014	0.017	0.006						1378.79
6	0.6946	1130.8	1150.8		0.825	3.732	74.888	17.638	2.586	0.091	0.201	0.017	0.020	0.004						1377.65
7	0.6944	1129.6	1149.6		0.829	3.776	74.923	17.552	2.597	0.089	0.197	0.016	0.018	0.005						1376.49
8	0.6959	1127.9	1147.9		0.790	4.076	74.570	17.590	2.659	0.091	0.194	0.013	0.015	0.002						1372.98
9	0.6890	1125.3	1145.2		0.789	3.602	75.632	17.401	2.281	0.079	0.176	0.016	0.020	0.005						1376.47
10	0.6936	1129.5	1149.5		0.813	3.739	74.795	17.945	2.434	0.079	0.167	0.012	0.015	0.001						1377.03
11	0.6904	1119.6	1139.5		0.807	4.041	75.557	16.755	2.550	0.083	0.177	0.013	0.015	0.004						1368.30
12	0.7019	1134.3	1154.4		0.832	4.190	73.769	17.883	2.962	0.104	0.223	0.016	0.018	0.003						1374.73
13	0.7000	1132.6	1152.7		0.831	4.118	74.105	17.665	2.927	0.101	0.217	0.016	0.018	0.005						1374.63
14	0.6999	1132.2	1152.3		0.808	4.164	74.164	17.497	3.029	0.100	0.208	0.014	0.015	0.002						1374.22
15	0.7058	1141.3	1161.5		0.815	4.154	73.597	17.625	3.317	0.132	0.298	0.024	0.030	0.008						1379.38
16	0.7001	1137.2	1157.3		0.786	3.913	74.026	18.045	2.885	0.099	0.211	0.015	0.018	0.003						1380.05
17	0.7002	1136.4	1156.6		0.813	3.928	74.014	18.020	2.885	0.099	0.210	0.014	0.016	0.001						1379.03
18	0.7025	1134.9	1155.0		0.838	4.201	73.665	17.948	2.991	0.103	0.220	0.015	0.017	0.005						1374.98
19	0.7020	1134.7	1154.8		0.832	4.179	73.777	17.826	3.036	0.103	0.217	0.014	0.015	0.001						1375.11
20	0.7014	1133.5	1153.5		0.833	4.190	73.951	17.625	3.037	0.105	0.224	0.016	0.018	0.004						1374.31
21	0.7008	1132.4	1152.4		0.798	4.256	73.985	17.584	3.018	0.105	0.221	0.014	0.016	0.002						1373.49
22	0.7006	1134.6	1154.7		0.819	4.066	74.005	17.805	2.962	0.099	0.210	0.014	0.017	0.005						1376.48
23	0.7009	1135.2	1155.3		0.797	4.101	73.996	17.695	3.069	0.101	0.212	0.014	0.015	0.001						1376.74
24	0.7010	1131.5	1151.6		0.777	4.360	73.818	17.717	3.007	0.094	0.200	0.013	0.014	0.001						1372.26
25	0.7029	1130.3	1150.3		0.699	4.727	73.716	17.219	3.230	0.116	0.251	0.018	0.021	0.005						1369.01
26	0.6955	1125.7	1145.6		0.805	4.159	74.700	17.320	2.691	0.091	0.198	0.015	0.017	0.005						1370.58
27	0.6972	1127.3	1147.2		0.832	4.184	74.378	17.555	2.744	0.090	0.190	0.013	0.014	0.000						1370.76
28	0.6979	1128.4	1148.3		0.843	4.166	74.223	17.760	2.694	0.090	0.193	0.014	0.016	0.008						1371.57
29	0.6995	1131.4	1151.5		0.829	4.149	73.900	18.079	2.742	0.089	0.187	0.012	0.013	0.000						1373.58
30	0.6975	1130.2	1150.3		0.811	4.061	74.177	18.045	2.603	0.085	0.185	0.014	0.016	0.005						1374.16
Avg	0.6991	1133.0	1152.8		0.806	4.070	74.154	17.784	2.849	0.097	0.207	0.015	0.017	0.003						1375.54

Source Daily Summary

June 2021

Number:	601	Pressure Base:	14.730	Contract Day:	1
Name:	TIOGA STN-ROBINSON LAKE PLNT	Temperature Base:		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	0.7517	1177.1	1197.9	1194.2	0.910	6.124	66.592	20.214	5.474	0.201	0.430	0.026	0.028	0.000	0.000	0.000	0.000	0.000	1378.49	
2	0.7585	1183.7	1204.7	1200.9	0.915	6.352	65.648	20.444	5.942	0.207	0.439	0.026	0.028	0.000	0.000	0.000	0.000	0.000	1380.01	
3	0.7504	1175.8	1196.6	1192.4	0.922	6.061	66.951	19.850	5.531	0.193	0.433	0.027	0.030	0.000	0.000	0.000	0.000	0.000	1378.15	
4	0.7532	1178.0	1198.9	1194.8	0.911	6.211	66.456	20.077	5.652	0.195	0.440	0.028	0.031	0.000	0.000	0.000	0.000	0.000	1378.19	
5	0.7599	1184.4	1205.4	1201.4	0.908	6.457	65.804	19.838	6.192	0.226	0.509	0.032	0.035	0.000	0.000	0.000	0.000	0.000	1379.43	
6	0.7462	1176.2	1197.0	1193.4	0.905	5.671	67.617	19.874	5.195	0.208	0.465	0.031	0.034	0.000	0.000	0.000	0.000	0.000	1382.62	
7	0.7602	1185.9	1206.9	1203.2	0.917	6.370	65.823	19.910	6.134	0.243	0.532	0.034	0.037	0.000	0.000	0.000	0.000	0.000	1380.97	
8	0.7464	1174.9	1195.7	1192.0	0.944	5.713	67.709	19.588	5.308	0.208	0.466	0.032	0.032	0.000	0.000	0.000	0.000	0.000	1380.87	
9	0.7357	1164.0	1184.6	1180.9	0.946	5.375	68.930	19.553	4.607	0.172	0.369	0.023	0.026	0.000	0.000	0.000	0.000	0.000	1378.01	
10	0.7171	1150.7	1171.0	1167.3	0.988	4.378	71.492	19.266	3.427	0.127	0.279	0.020	0.023	0.000	0.000	0.000	0.000	0.000	1379.74	
11	0.7049	1144.9	1165.2	1161.8	0.967	3.619	73.046	19.329	2.751	0.088	0.175	0.013	0.013	0.000	0.000	0.000	0.000	0.000	1384.63	
12	0.7287	1152.1	1172.5	1168.9	0.919	5.485	69.655	19.223	4.294	0.136	0.260	0.015	0.014	0.000	0.000	0.000	0.000	0.000	1370.53	
13	0.7528	1174.0	1194.8	1191.1	0.884	6.466	66.365	19.937	5.729	0.197	0.381	0.022	0.020	0.000	0.000	0.000	0.000	0.000	1373.77	
14	0.7543	1176.1	1196.9	1193.3	0.915	6.427	66.338	19.821	5.795	0.210	0.443	0.025	0.026	0.000	0.000	0.000	0.000	0.000	1374.94	
15	0.7543	1176.1	1196.9	1193.1	0.913	6.431	66.310	19.861	5.797	0.205	0.433	0.024	0.025	0.000	0.000	0.000	0.000	0.000	1374.88	
16	0.7542	1174.3	1195.1	1191.5	0.911	6.532	66.466	19.542	5.782	0.225	0.484	0.028	0.030	0.000	0.000	0.000	0.000	0.000	1372.88	
17	0.7556	1177.5	1198.4	1194.7	0.906	6.471	66.468	19.424	5.886	0.242	0.535	0.032	0.035	0.000	0.000	0.000	0.000	0.000	1375.35	
18	0.7311	1163.5	1184.1	1180.5	0.936	4.986	69.711	19.406	4.366	0.170	0.370	0.025	0.029	0.000	0.000	0.000	0.000	0.000	1381.74	
19	0.7560	1178.7	1199.5	1195.8	0.919	6.412	66.156	19.969	5.786	0.223	0.478	0.028	0.029	0.000	0.000	0.000	0.000	0.000	1376.37	
20	0.7592	1184.7	1205.7	1202.1	0.913	6.358	65.836	20.071	5.999	0.240	0.517	0.032	0.035	0.000	0.000	0.000	0.000	0.000	1380.46	
21	0.7592	1184.8	1205.8	1202.2	0.913	6.361	65.858	20.010	6.031	0.240	0.520	0.032	0.035	0.000	0.000	0.000	0.000	0.000	1380.47	
22	0.7568	1182.6	1203.5	1199.7	0.919	6.256	66.174	19.987	5.852	0.235	0.511	0.031	0.034	0.000	0.000	0.000	0.000	0.000	1380.18	
23	0.7588	1183.1	1204.0	1200.1	0.916	6.415	65.922	19.941	5.969	0.242	0.527	0.032	0.036	0.000	0.000	0.000	0.000	0.000	1378.89	
24	0.7591	1183.9	1204.9	1201.1	0.910	6.402	65.950	19.836	6.058	0.243	0.532	0.033	0.036	0.000	0.000	0.000	0.000	0.000	1379.61	
25	0.7541	1173.4	1194.2	1190.7	0.913	6.575	66.338	19.702	5.773	0.207	0.439	0.025	0.027	0.000	0.000	0.000	0.000	0.000	1371.90	
26	0.7459	1170.0	1190.8	1187.2	0.895	6.040	67.271	20.007	5.196	0.177	0.371	0.021	0.023	0.000	0.000	0.000	0.000	0.000	1375.64	
27	0.7523	1171.7	1192.5	1189.0	0.922	6.497	66.432	19.937	5.541	0.204	0.418	0.024	0.026	0.000	0.000	0.000	0.000	0.000	1371.60	
28	0.7560	1178.8	1199.7	1196.1	0.919	6.408	66.066	20.091	5.790	0.218	0.453	0.027	0.029	0.000	0.000	0.000	0.000	0.000	1376.56	
29	0.7515	1170.0	1190.7	1187.0	0.919	6.530	66.612	19.710	5.549	0.205	0.424	0.024	0.026	0.000	0.000	0.000	0.000	0.000	1370.29	
30	0.7549	1176.4	1197.2	1193.4	0.919	6.464	66.111	20.103	5.708	0.211	0.433	0.025	0.027	0.000	0.000	0.000	0.000	0.000	1374.64	
Avg	0.7493	1174.0	1195.0	1191.3	0.920	6.062	67.070	19.817	5.437	0.203	0.435	0.027	0.029	0.000	0.000	0.000	0.000	0.000	1377.39	

Source Daily Summary

June 2021

Number: 091

Pressure Base: 14.730

Contract Day: 1

Name: MNT BRD-PLRMO BRD-BIS STN

Temperature Base:

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	0.7619	1185.7	1206.7	1202.6	0.923	6.539	65.344	20.236	6.174	0.235	0.491	0.028	0.030	0.000	0.000	0.000	0.000	0.000	0.000	1379.18
2	0.7596	1181.4	1202.3	1198.0	0.925	6.582	65.697	19.961	6.044	0.231	0.496	0.030	0.032	0.000	0.000	0.000	0.000	0.000	0.000	1376.22
3	0.7583	1179.4	1200.3	1195.7	0.926	6.584	65.733	20.083	5.936	0.218	0.462	0.028	0.030	0.000	0.000	0.000	0.000	0.000	0.000	1375.10
4	0.7622	1186.6	1207.6	1203.0	0.928	6.505	65.205	20.454	6.163	0.222	0.466	0.028	0.030	0.000	0.000	0.000	0.000	0.000	0.000	1379.97
5	0.7624	1186.0	1207.0	1202.7	0.926	6.558	65.250	20.273	6.233	0.223	0.478	0.028	0.031	0.000	0.000	0.000	0.000	0.000	0.000	1379.16
6	0.7617	1184.5	1205.4	1201.7	0.921	6.600	65.415	20.038	6.261	0.219	0.485	0.029	0.031	0.000	0.000	0.000	0.000	0.000	0.000	1377.91
7	0.7627	1185.7	1206.7	1202.8	0.918	6.617	65.539	19.674	6.389	0.247	0.547	0.033	0.035	0.000	0.000	0.000	0.000	0.000	0.000	1378.48
8	0.7637	1187.3	1208.4	1204.5	0.922	6.605	65.551	19.539	6.456	0.266	0.586	0.036	0.039	0.000	0.000	0.000	0.000	0.000	0.000	1379.46
9	0.7643	1188.3	1209.3	1205.2	0.919	6.608	65.469	19.593	6.469	0.267	0.596	0.038	0.041	0.000	0.000	0.000	0.000	0.000	0.000	1380.00
10	0.7565	1175.7	1196.5	1193.1	0.923	6.648	66.201	19.485	5.956	0.231	0.494	0.029	0.032	0.000	0.000	0.000	0.000	0.000	0.000	1372.36
11	0.7603	1182.1	1203.1	1199.6	0.920	6.610	65.437	20.245	6.048	0.223	0.460	0.027	0.029	0.000	0.000	0.000	0.000	0.000	0.000	1376.51
12	0.7583	1179.2	1200.1	1196.6	0.923	6.598	65.832	19.894	5.991	0.229	0.476	0.027	0.029	0.000	0.000	0.000	0.000	0.000	0.000	1374.89
13	0.7579	1178.4	1199.3	1195.8	0.925	6.606	65.895	19.819	6.013	0.222	0.465	0.026	0.028	0.000	0.000	0.000	0.000	0.000	0.000	1374.33
14	0.7568	1177.0	1197.9	1194.4	0.923	6.596	66.002	19.798	5.966	0.215	0.449	0.025	0.027	0.000	0.000	0.000	0.000	0.000	0.000	1373.68
15	0.7574	1176.6	1197.4	1193.9	0.920	6.677	66.083	19.534	5.975	0.239	0.510	0.029	0.031	0.000	0.000	0.000	0.000	0.000	0.000	1372.63
16	0.7605	1181.7	1202.7	1199.1	0.920	6.656	65.818	19.546	6.165	0.258	0.565	0.034	0.037	0.000	0.000	0.000	0.000	0.000	0.000	1375.78
17	0.7625	1186.6	1207.7	1204.1	0.930	6.525	65.348	20.183	6.180	0.247	0.523	0.031	0.034	0.000	0.000	0.000	0.000	0.000	0.000	1379.73
18	0.7606	1183.5	1204.5	1200.9	0.922	6.555	65.618	19.983	6.086	0.245	0.522	0.032	0.035	0.000	0.000	0.000	0.000	0.000	0.000	1377.74
19	0.7622	1186.5	1207.6	1204.0	0.923	6.519	65.446	20.068	6.186	0.251	0.538	0.033	0.036	0.000	0.000	0.000	0.000	0.000	0.000	1379.81
20	0.7624	1187.1	1208.1	1204.5	0.925	6.493	65.495	19.994	6.220	0.254	0.548	0.034	0.037	0.000	0.000	0.000	0.000	0.000	0.000	1380.34
21	0.7612	1185.0	1206.0	1202.4	0.929	6.509	65.621	19.949	6.126	0.252	0.544	0.033	0.037	0.000	0.000	0.000	0.000	0.000	0.000	1378.96
22	0.7611	1183.9	1204.9	1201.3	0.925	6.566	65.621	19.908	6.120	0.250	0.541	0.033	0.037	0.000	0.000	0.000	0.000	0.000	0.000	1377.83
23	0.7635	1188.4	1209.4	1205.8	0.922	6.525	65.378	19.976	6.317	0.254	0.554	0.035	0.039	0.000	0.000	0.000	0.000	0.000	0.000	1380.81
24	0.7556	1173.3	1194.1	1190.5	0.927	6.702	66.052	19.794	5.850	0.201	0.422	0.025	0.027	0.000	0.000	0.000	0.000	0.000	0.000	1370.40
25	0.7571	1176.4	1197.3	1193.8	0.928	6.652	65.839	19.966	5.929	0.208	0.429	0.024	0.026	0.000	0.000	0.000	0.000	0.000	0.000	1372.74
26	0.7584	1179.8	1200.7	1197.2	0.932	6.558	65.717	20.133	5.918	0.225	0.461	0.027	0.029	0.000	0.000	0.000	0.000	0.000	0.000	1375.48
27	0.7565	1176.7	1197.6	1194.1	0.928	6.572	66.012	19.900	5.858	0.220	0.454	0.027	0.029	0.000	0.000	0.000	0.000	0.000	0.000	1373.64
28	0.7564	1175.5	1196.3	1192.8	0.930	6.636	66.000	19.874	5.825	0.222	0.459	0.026	0.028	0.000	0.000	0.000	0.000	0.000	0.000	1372.30
29	0.7593	1181.3	1202.2	1195.5	0.928	6.557	65.566	20.230	5.990	0.221	0.453	0.026	0.028	0.000	0.000	0.000	0.000	0.000	0.000	1376.44
30	0.7614	1184.8	1205.8	1202.2	0.932	6.531	65.480	20.098	6.154	0.238	0.503	0.031	0.034	0.000	0.000	0.000	0.000	0.000	0.000	1378.62
Avg	0.7601	1182.0	1203.1	1199.3	0.925	6.583	65.655	19.941	6.100	0.235	0.499	0.030	0.032	0.000	0.000	0.000	0.000	0.000	0.000	1376.68

Source Daily Summary

June 2021

Number:	603	Pressure Base:	14.730	Contract Day:	1
Name:	TIOGA STN-COUNTY LINE PLANT	Temperature Base:		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	0.7018	1145.6	1165.9	1162.7	0.925	3.351	73.054	20.179	2.268	0.066	0.137	0.009	0.010	0.000	0.000	0.000	0.000	0.000	1388.51	
2	0.6997	1141.7	1161.9	1158.6	0.953	3.356	73.614	19.512	2.318	0.071	0.150	0.012	0.015	0.000	0.000	0.000	0.000	0.000	1385.70	
3	0.7025	1146.5	1166.8	1163.5	0.945	3.330	73.380	19.502	2.546	0.083	0.181	0.014	0.018	0.000	0.000	0.000	0.000	0.000	1388.85	
4	0.7070	1155.0	1175.4	1172.0	0.927	3.267	72.425	20.540	2.571	0.079	0.162	0.012	0.016	0.000	0.000	0.000	0.000	0.000	1394.58	
5	0.7058	1153.1	1173.5	1170.1	0.915	3.291	72.813	19.960	2.756	0.084	0.160	0.010	0.012	0.000	0.000	0.000	0.000	0.000	1393.46	
6	0.7072	1155.4	1175.9	1172.5	0.933	3.249	72.439	20.475	2.651	0.079	0.150	0.011	0.014	0.000	0.000	0.000	0.000	0.000	1394.93	
7	0.7019	1144.9	1165.2	1161.8	0.974	3.326	73.527	19.326	2.572	0.082	0.166	0.013	0.016	0.000	0.000	0.000	0.000	0.000	1387.48	
8	0.7035	1146.9	1167.2	1163.8	1.003	3.317	73.297	19.500	2.571	0.088	0.189	0.016	0.020	0.000	0.000	0.000	0.000	0.000	1388.20	
9	0.6999	1141.2	1161.4	1158.1	0.992	3.339	73.746	19.247	2.410	0.077	0.162	0.012	0.015	0.000	0.000	0.000	0.000	0.000	1385.00	
10	0.7037	1147.8	1168.2	1164.6	0.955	3.351	73.248	19.525	2.602	0.090	0.195	0.015	0.018	0.000	0.000	0.000	0.000	0.000	1389.13	
11	0.7000	1142.5	1162.7	1159.4	0.969	3.309	73.769	19.205	2.491	0.078	0.154	0.013	0.013	0.000	0.000	0.000	0.000	0.000	1386.39	
12	0.6962	1136.2	1156.3	1153.0	0.925	3.408	74.252	18.850	2.346	0.067	0.130	0.010	0.012	0.000	0.000	0.000	0.000	0.000	1382.44	
13	0.6966	1136.4	1156.5	1153.3	0.963	3.371	74.339	18.658	2.418	0.075	0.151	0.012	0.013	0.000	0.000	0.000	0.000	0.000	1382.42	
14	0.7009	1143.4	1163.6	1160.2	0.984	3.318	73.656	19.289	2.458	0.082	0.179	0.015	0.019	0.000	0.000	0.000	0.000	0.000	1386.52	
15	0.6983	1139.3	1159.4	1156.2	0.974	3.336	74.112	18.825	2.490	0.079	0.160	0.011	0.013	0.000	0.000	0.000	0.000	0.000	1384.24	
16	0.7040	1148.0	1168.4	1164.8	0.983	3.324	73.617	18.858	2.822	0.106	0.239	0.022	0.029	0.000	0.000	0.000	0.000	0.000	1389.00	
17	0.7064	1152.7	1173.1	1169.7	0.970	3.281	73.056	19.473	2.872	0.099	0.212	0.016	0.021	0.000	0.000	0.000	0.000	0.000	1392.40	
18	0.7044	1150.1	1170.5	1167.1	0.947	3.293	73.180	19.548	2.732	0.088	0.181	0.014	0.017	0.000	0.000	0.000	0.000	0.000	1391.21	
19	0.7009	1142.8	1163.1	1159.8	0.996	3.332	73.525	19.455	2.448	0.073	0.150	0.011	0.011	0.000	0.000	0.000	0.000	0.000	1385.99	
20	0.7009	1142.7	1163.0	1159.7	1.005	3.324	73.529	19.465	2.429	0.073	0.150	0.011	0.014	0.000	0.000	0.000	0.000	0.000	1385.84	
21	0.7001	1141.6	1161.8	1158.6	0.992	3.332	73.693	19.273	2.474	0.072	0.143	0.009	0.011	0.000	0.000	0.000	0.000	0.000	1385.36	
22	0.6997	1141.7	1161.9	1158.6	0.965	3.333	73.700	19.364	2.394	0.071	0.147	0.011	0.014	0.000	0.000	0.000	0.000	0.000	1385.79	
23	0.7024	1145.8	1166.1	1162.8	0.978	3.313	73.270	19.687	2.505	0.074	0.150	0.011	0.013	0.000	0.000	0.000	0.000	0.000	1388.17	
24	0.7021	1145.9	1166.2	1162.8	0.965	3.307	73.498	19.288	2.701	0.074	0.144	0.010	0.012	0.000	0.000	0.000	0.000	0.000	1388.41	
25	0.6998	1141.4	1161.6	1158.3	0.967	3.357	73.615	19.457	2.369	0.070	0.144	0.010	0.012	0.000	0.000	0.000	0.000	0.000	1385.41	
26	0.6994	1144.3	1164.6	1161.2	0.814	3.381	73.507	19.765	2.268	0.075	0.163	0.012	0.015	0.000	0.000	0.000	0.000	0.000	1389.21	
27	0.7018	1144.5	1164.8	1161.3	0.937	3.401	73.369	19.608	2.382	0.080	0.183	0.016	0.023	0.000	0.000	0.000	0.000	0.000	1387.04	
28	0.7006	1140.9	1161.1	1157.7	1.018	3.389	73.497	19.521	2.328	0.070	0.151	0.011	0.014	0.000	0.000	0.000	0.000	0.000	1383.88	
29	0.7004	1140.9	1161.1	1157.9	1.015	3.375	73.441	19.661	2.271	0.068	0.147	0.011	0.013	0.000	0.000	0.000	0.000	0.000	1384.17	
30	0.7014	1142.7	1163.0	1159.6	1.016	3.360	73.240	19.874	2.278	0.067	0.142	0.010	0.012	0.000	0.000	0.000	0.000	0.000	1385.29	
Avg	0.7016	1145.0	1165.0	1161.7	0.963	3.334	73.447	19.496	2.491	0.078	0.162	0.012	0.015	0.000	0.000	0.000	0.000	0.000	1387.50	

Source Daily Summary

June 2021

Number: 043

Pressure Base: 14.730

Contract Day: 1

Name: BISMARCK STN-CLEVELAND STN

Temperature Base:

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	0.7594	1182.4	1203.3	1199.0	0.910	6.526	65.775	19.918	6.084	0.229	0.495	0.031	0.033	0.000	0.000	0.000	0.000	0.000	1377.53	
2	0.7616	1187.0	1208.0	1203.3	0.891	6.479	65.593	19.921	6.302	0.226	0.520	0.033	0.035	0.000	0.000	0.000	0.000	0.000	1380.88	
3	0.7616	1186.3	1207.4	1202.9	0.903	6.502	65.505	20.021	6.283	0.225	0.499	0.030	0.031	0.000	0.000	0.000	0.000	0.000	1380.17	
4	0.7608	1184.2	1205.2	1200.7	0.900	6.560	65.938	19.377	6.332	0.253	0.567	0.036	0.038	0.000	0.000	0.000	0.000	0.000	1378.37	
5	0.7635	1189.9	1211.0	1206.6	0.907	6.458	65.545	19.768	6.392	0.267	0.586	0.037	0.040	0.000	0.000	0.000	0.000	0.000	1382.51	
6	0.7641	1190.4	1211.5	1207.3	0.899	6.492	65.362	19.967	6.366	0.263	0.577	0.037	0.039	0.000	0.000	0.000	0.000	0.000	1382.58	
7	0.7504	1166.4	1187.0	1182.9	0.906	6.669	67.090	18.906	5.659	0.227	0.489	0.026	0.027	0.000	0.000	0.000	0.000	0.000	1367.00	
8	0.7529	1171.1	1191.9	1187.6	0.903	6.622	66.706	19.215	5.782	0.227	0.491	0.027	0.027	0.000	0.000	0.000	0.000	0.000	1370.25	
9	0.7538	1173.4	1194.2	1190.1	0.913	6.546	66.371	19.702	5.787	0.209	0.428	0.022	0.022	0.000	0.000	0.000	0.000	0.000	1372.20	
10	0.7573	1180.4	1201.3	1197.0	0.908	6.455	66.062	19.800	6.018	0.228	0.474	0.027	0.027	0.000	0.000	0.000	0.000	0.000	1377.14	
11	0.7596	1183.7	1204.7	1200.5	0.901	6.484	65.571	20.259	6.042	0.226	0.464	0.026	0.027	0.000	0.000	0.000	0.000	0.000	1378.91	
12	0.7566	1178.4	1199.3	1195.2	0.906	6.512	66.135	19.742	5.938	0.231	0.482	0.027	0.027	0.000	0.000	0.000	0.000	0.000	1375.49	
13	0.7567	1179.0	1199.8	1195.7	0.907	6.487	66.065	19.844	5.970	0.219	0.456	0.025	0.026	0.000	0.000	0.000	0.000	0.000	1376.06	
14	0.7557	1177.2	1198.0	1193.8	0.903	6.511	66.266	19.634	5.943	0.222	0.468	0.026	0.027	0.000	0.000	0.000	0.000	0.000	1374.83	
15	0.7560	1176.3	1197.2	1192.6	0.902	6.588	66.373	19.374	5.932	0.245	0.525	0.030	0.031	0.000	0.000	0.000	0.000	0.000	1373.57	
16	0.7593	1182.0	1202.9	1198.3	0.902	6.552	66.058	19.463	6.119	0.262	0.573	0.034	0.036	0.000	0.000	0.000	0.000	0.000	1377.13	
17	0.7618	1187.7	1208.8	1204.4	0.910	6.425	65.560	20.052	6.186	0.256	0.543	0.033	0.034	0.000	0.000	0.000	0.000	0.000	1381.56	
18	0.7587	1182.5	1203.4	1199.0	0.904	6.467	65.901	19.904	5.998	0.245	0.518	0.031	0.033	0.000	0.000	0.000	0.000	0.000	1378.24	
19	0.7609	1186.6	1207.6	1203.3	0.905	6.423	65.686	19.979	6.142	0.254	0.544	0.033	0.035	0.000	0.000	0.000	0.000	0.000	1380.99	
20	0.7603	1186.0	1207.0	1202.8	0.907	6.399	65.782	19.940	6.108	0.253	0.543	0.033	0.035	0.000	0.000	0.000	0.000	0.000	1380.85	
21	0.7596	1184.5	1205.5	1201.3	0.910	6.420	65.873	19.874	6.058	0.253	0.544	0.033	0.035	0.000	0.000	0.000	0.000	0.000	1379.77	
22	0.7597	1183.9	1204.9	1200.5	0.906	6.472	65.877	19.791	6.089	0.253	0.545	0.033	0.035	0.000	0.000	0.000	0.000	0.000	1378.96	
23	0.7594	1183.1	1204.0	1199.4	0.903	6.497	66.013	19.554	6.163	0.252	0.548	0.033	0.035	0.000	0.000	0.000	0.000	0.000	1378.26	
24	0.7542	1173.7	1194.5	1190.3	0.909	6.580	66.229	19.818	5.816	0.196	0.407	0.022	0.023	0.000	0.000	0.000	0.000	0.000	1372.10	
25	0.7556	1176.6	1197.5	1193.3	0.911	6.527	66.085	19.929	5.859	0.209	0.432	0.024	0.024	0.000	0.000	0.000	0.000	0.000	1374.29	
26	0.7579	1181.2	1202.1	1197.8	0.914	6.452	65.855	20.117	5.897	0.231	0.476	0.028	0.029	0.000	0.000	0.000	0.000	0.000	1377.52	
27	0.7547	1176.0	1196.8	1192.6	0.911	6.479	66.275	19.833	5.779	0.220	0.451	0.026	0.026	0.000	0.000	0.000	0.000	0.000	1374.36	
28	0.7550	1175.3	1196.1	1191.9	0.911	6.549	66.219	19.821	5.760	0.224	0.462	0.026	0.027	0.000	0.000	0.000	0.000	0.000	1373.27	
29	0.7585	1182.2	1203.2	1198.7	0.910	6.451	65.740	20.187	5.975	0.224	0.458	0.027	0.028	0.000	0.000	0.000	0.000	0.000	1378.22	
30	0.7588	1182.7	1203.6	1198.9	0.912	6.449	65.903	19.889	6.042	0.239	0.504	0.030	0.032	0.000	0.000	0.000	0.000	0.000	1378.41	
Avg	0.7581	1181.0	1201.9	1197.6	0.906	6.501	65.980	19.787	6.027	0.236	0.502	0.030	0.031	0.000	0.000	0.000	0.000	0.000	1377.05	

Source Daily Summary

June 2021

Number: 063

Pressure Base: 14.730

Contract Day: 1

Name: CLEVELAND STN-MAPLETON

Temperature Base:

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	0.7585	1181.5	1202.4	1199.1	0.916	6.490	65.705	20.203	5.968	0.216	0.449	0.026	0.027	0.000	0.000	0.000	0.000	0.000	0.000	1377.28
2	0.7585	1179.7	1200.5	1197.2	0.923	6.592	65.880	19.803	6.024	0.226	0.487	0.031	0.033	0.000	0.000	0.000	0.000	0.000	0.000	1375.24
3	0.7580	1179.2	1200.1	1186.1	0.911	6.613	65.723	20.134	5.894	0.221	0.451		0.027	0.000	0.000	0.000	0.000	0.000	0.000	1378.42
4	0.7574	1178.4	1199.3	1199.0	0.915	6.508	65.975	20.082	5.815	0.213	0.441	0.025	0.026	0.000	0.000	0.000	0.000	0.000	0.000	1378.05
5	0.7568	1177.5	1198.4	1198.1	0.908	6.632	66.128	19.603	5.942	0.236	0.493	0.030	0.030	0.000	0.000	0.000	0.000	0.000	0.000	1377.56
6	0.7563	1176.7	1197.5	1197.2	0.919	6.208	67.418	18.683	5.801	0.266	0.613	0.044	0.048	0.000	0.000	0.000	0.000	0.000	0.000	1376.98
7	0.7557	1175.8	1196.6	1196.3	0.900	6.703	66.750	18.579	6.093	0.266	0.616	0.045	0.049	0.000	0.000	0.000	0.000	0.000	0.000	1376.49
8	0.7551	1175.0	1195.8	1195.5	0.900	6.689	66.889	18.452	6.104	0.266	0.613	0.042	0.046	0.000	0.000	0.000	0.000	0.000	0.000	1376.12
9	0.7545	1174.1	1194.9	1194.6	0.912	6.555	66.275	19.826	5.745	0.209	0.429	0.024	0.025	0.000	0.000	0.000	0.000	0.000	0.000	1375.63
10	0.7534	1172.0	1192.8	1191.1	0.921	6.606	66.272	19.713	5.796	0.209	0.432	0.025	0.026	0.000	0.000	0.000	0.000	0.000	0.000	1371.68
11	0.7578	1180.7	1201.6	1198.4	0.917	6.474	65.923	19.931	6.011	0.225	0.465	0.027	0.028	0.000	0.000	0.000	0.000	0.000	0.000	1377.02
12	0.7596	1182.9	1203.8	1200.6	0.913	6.517	65.568	20.222	6.044	0.223	0.458	0.027	0.028	0.000	0.000	0.000	0.000	0.000	0.000	1377.91
13	0.7574	1179.2	1200.1	1196.8	0.913	6.532	65.978	19.863	5.953	0.230	0.476	0.027	0.028	0.000	0.000	0.000	0.000	0.000	0.000	1375.64
14	0.7571	1179.0	1199.9	1196.6	0.915	6.511	65.972	19.917	5.969	0.216	0.448	0.026	0.026	0.000	0.000	0.000	0.000	0.000	0.000	1375.70
15	0.7558	1176.9	1197.7	1194.4	0.910	6.530	66.182	19.734	5.922	0.217	0.453	0.026	0.026	0.000	0.000	0.000	0.000	0.000	0.000	1374.37
16	0.7563	1176.2	1197.1	1193.8	0.910	6.614	66.295	19.424	5.934	0.243	0.518	0.030	0.032	0.000	0.000	0.000	0.000	0.000	0.000	1373.17
17	0.7593	1181.2	1202.1	1198.7	0.911	6.587	66.024	19.485	6.099	0.260	0.565	0.034	0.036	0.000	0.000	0.000	0.000	0.000	0.000	1376.22
18	0.7621	1187.5	1208.6	1205.1	0.920	6.450	65.482	20.118	6.174	0.254	0.535	0.033	0.035	0.000	0.000	0.000	0.000	0.000	0.000	1381.05
19	0.7582	1180.8	1201.7	1198.3	0.914	6.509	65.938	19.876	5.954	0.240	0.506	0.031	0.033	0.000	0.000	0.000	0.000	0.000	0.000	1376.69
20	0.7606	1185.4	1206.3	1202.9	0.913	6.453	65.685	20.000	6.103	0.249	0.529	0.032	0.034	0.000	0.000	0.000	0.000	0.000	0.000	1379.86
21	0.7600	1184.5	1205.5	1202.0	0.915	6.442	65.816	19.892	6.088	0.249	0.531	0.033	0.035	0.000	0.000	0.000	0.000	0.000	0.000	1379.42
22	0.7601	1184.6	1205.6	1202.1	0.919	6.448	65.774	19.936	6.068	0.251	0.536	0.033	0.035	0.000	0.000	0.000	0.000	0.000	0.000	1379.38
23	0.7593	1182.4	1203.4	1200.0	0.914	6.511	65.855	19.846	6.032	0.248	0.528	0.033	0.034	0.000	0.000	0.000	0.000	0.000	0.000	1377.63
24	0.7596	1182.7	1203.7	1200.3	0.911	6.527	65.883	19.709	6.125	0.246	0.530	0.033	0.035	0.000	0.000	0.000	0.000	0.000	0.000	1377.67
25	0.7549	1174.1	1194.9	1191.6	0.918	6.602	66.122	19.880	5.833	0.196	0.404	0.023	0.023	0.000	0.000	0.000	0.000	0.000	0.000	1371.98
26	0.7557	1176.1	1197.0	1193.7	0.921	6.550	66.062	19.931	5.852	0.208	0.426	0.025	0.025	0.000	0.000	0.000	0.000	0.000	0.000	1373.62
27	0.7579	1180.5	1201.4	1198.0	0.923	6.485	65.825	20.123	5.891	0.229	0.467	0.028	0.029	0.000	0.000	0.000	0.000	0.000	0.000	1376.67
28	0.7547	1175.2	1196.0	1192.7	0.920	6.513	66.251	19.837	5.767	0.217	0.442	0.026	0.027	0.000	0.000	0.000	0.000	0.000	0.000	1373.44
29	0.7547	1173.9	1194.7	1191.4	0.921	6.591	66.217	19.821	5.730	0.219	0.449	0.026	0.027	0.000	0.000	0.000	0.000	0.000	0.000	1371.92
30	0.7580	1180.5	1201.4	1198.0	0.920	6.498	65.756	20.180	5.928	0.219	0.445	0.026	0.027	0.000	0.000	0.000	0.000	0.000	0.000	1376.63
Avg	0.7574	1179.0	1200.0	1197.0	0.915	6.531	66.054	19.760	5.955	0.232	0.491	0.030	0.031	0.000	0.000	0.000	0.000	0.000	0.000	1376.32

Source Daily Summary

June 2021

Number: 061

Pressure Base: 14.730

Contract Day: 1

Name: CLEVELAND STN-GRAFTON BDR

Temperature Base:

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	0.7585	1181.4	1202.3	1199.1	0.916	6.494	65.711	20.187	5.973	0.217	0.450	0.026	0.027	0.000	0.000	0.000	0.000	0.000	0.000	1377.21
2	0.7583	1179.6	1200.4	1197.1	0.918	6.589	65.890	19.816	6.017	0.225	0.483	0.031	0.032	0.000	0.000	0.000	0.000	0.000	0.000	1375.15
3	0.7577	1178.7	1199.6	1191.0	0.911	6.613	65.723	20.134	5.894	0.221	0.451	0.027	0.028	0.000	0.000	0.000	0.000	0.000	0.000	1378.12
4	0.7572	1177.8	1198.7	1198.1	0.915	6.508	65.975	20.082	5.815	0.213	0.441	0.025	0.026	0.000	0.000	0.000	0.000	0.000	0.000	1377.54
5	0.7566	1177.1	1197.9	1197.3	0.908	6.632	66.128	19.603	5.942	0.236	0.493	0.030	0.030	0.000	0.000	0.000	0.000	0.000	0.000	1377.17
6	0.7560	1176.2	1197.0	1196.4	0.919	6.208	67.418	18.683	5.801	0.266	0.613	0.044	0.048	0.000	0.000	0.000	0.000	0.000	0.000	1376.68
7	0.7554	1175.4	1196.2	1195.6	0.900	6.703	66.750	18.579	6.093	0.266	0.616	0.045	0.049	0.000	0.000	0.000	0.000	0.000	0.000	1376.31
8	0.7549	1174.5	1195.3	1194.7	0.900	6.689	66.889	18.452	6.104	0.266	0.613	0.042	0.046	0.000	0.000	0.000	0.000	0.000	0.000	1375.73
9	0.7543	1173.7	1194.5	1193.9	0.912	6.555	66.275	19.826	5.745	0.209	0.429	0.024	0.025	0.000	0.000	0.000	0.000	0.000	0.000	1375.35
10	0.7532	1171.5	1192.3	1189.3	0.922	6.590	66.412	19.673	5.732	0.206	0.420	0.023	0.023	0.000	0.000	0.000	0.000	0.000	0.000	1370.87
11	0.7580	1181.3	1202.2	1199.0	0.918	6.460	65.835	20.056	6.010	0.220	0.450	0.026	0.026	0.000	0.000	0.000	0.000	0.000	0.000	1377.47
12	0.7587	1181.4	1202.3	1198.9	0.912	6.521	65.674	20.179	5.993	0.219	0.448	0.026	0.027	0.000	0.000	0.000	0.000	0.000	0.000	1377.03
13	0.7562	1176.9	1197.8	1194.3	0.913	6.555	66.137	19.756	5.891	0.226	0.467	0.027	0.028	0.000	0.000	0.000	0.000	0.000	0.000	1374.09
14	0.7575	1179.6	1200.5	1197.2	0.916	6.509	65.939	19.916	5.988	0.221	0.458	0.026	0.027	0.000	0.000	0.000	0.000	0.000	0.000	1376.08
15	0.7553	1176.2	1197.0	1193.2	0.914	6.521	66.191	19.801	5.875	0.211	0.437	0.025	0.025	0.000	0.000	0.000	0.000	0.000	0.000	1374.00
16	0.7558	1176.0	1196.9	1193.4	0.912	6.576	66.303	19.509	5.918	0.234	0.491	0.028	0.029	0.000	0.000	0.000	0.000	0.000	0.000	1373.41
17	0.7595	1181.5	1202.4	1199.1	0.910	6.589	66.007	19.482	6.109	0.262	0.569	0.035	0.037	0.000	0.000	0.000	0.000	0.000	0.000	1376.37
18	0.7626	1188.4	1209.5	1206.1	0.922	6.441	65.409	20.174	6.194	0.255	0.536	0.033	0.035	0.000	0.000	0.000	0.000	0.000	0.000	1381.60
19	0.7566	1177.6	1198.5	1194.6	0.915	6.549	66.110	19.779	5.862	0.233	0.490	0.029	0.031	0.000	0.000	0.000	0.000	0.000	0.000	1374.49
20	0.7576	1180.5	1201.5	1197.8	0.916	6.463	65.996	19.911	5.925	0.236	0.494	0.029	0.031	0.000	0.000	0.000	0.000	0.000	0.000	1377.00
21	0.7601	1184.7	1205.7	1202.3	0.916	6.442	65.800	19.898	6.098	0.249	0.530	0.033	0.035	0.000	0.000	0.000	0.000	0.000	0.000	1379.50
22	0.7601	1184.4	1205.4	1202.0	0.920	6.451	65.793	19.912	6.066	0.252	0.538	0.033	0.035	0.000	0.000	0.000	0.000	0.000	0.000	1379.22
23	0.7597	1183.0	1203.9	1200.3	0.917	6.508	65.817	19.858	6.050	0.249	0.532	0.033	0.035	0.000	0.000	0.000	0.000	0.000	0.000	1377.90
24	0.7649	1192.4	1213.5	1209.8	0.912	6.429	65.212	20.159	6.387	0.262	0.565	0.036	0.038	0.000	0.000	0.000	0.000	0.000	0.000	1384.13
25	0.7563	1176.7	1197.5	1194.4	0.918	6.573	65.965	19.970	5.906	0.201	0.418	0.024	0.025	0.000	0.000	0.000	0.000	0.000	0.000	1373.75
26	0.7556	1175.8	1196.7	1193.5	0.921	6.555	66.090	19.901	5.848	0.209	0.428	0.025	0.025	0.000	0.000	0.000	0.000	0.000	0.000	1373.40
27	0.7582	1181.0	1202.0	1198.7	0.923	6.484	65.789	20.130	5.913	0.231	0.472	0.028	0.030	0.000	0.000	0.000	0.000	0.000	0.000	1377.00
28	0.7550	1175.7	1196.5	1193.3	0.919	6.512	66.220	19.846	5.785	0.219	0.446	0.026	0.027	0.000	0.000	0.000	0.000	0.000	0.000	1373.72
29	0.7549	1174.3	1195.1	1191.7	0.921	6.591	66.207	19.807	5.744	0.222	0.454	0.027	0.028	0.000	0.000	0.000	0.000	0.000	0.000	1372.11
30	0.7585	1181.4	1202.4	1199.1	0.920	6.489	65.703	20.198	5.961	0.222	0.452	0.027	0.028	0.000	0.000	0.000	0.000	0.000	0.000	1377.27
Avg	0.7574	1179.0	1200.0	1197.0	0.915	6.527	66.046	19.776	5.955	0.232	0.489	0.030	0.031	0.000	0.000	0.000	0.000	0.000	0.000	1376.32

Source Daily Summary

June 2021

Number: 041

Pressure Base: 14.730

Contract Day: 1

Name: BISMARCK STN-GLEN ULLIN STN

Temperature Base:

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	0.7592	1182.2	1203.1	1199.5	0.910	6.523	65.791	19.917	6.074	0.229	0.493	0.031	0.032	0.000	0.000	0.000	0.000	0.000	1377.45	
2	0.7613	1186.5	1207.5	1203.6	0.892	6.485	65.640	19.870	6.296	0.227	0.522	0.033	0.035	0.000	0.000	0.000	0.000	0.000	1380.53	
3	0.7613	1186.0	1207.0	1203.0	0.903	6.492	65.503	20.078	6.255	0.221	0.488	0.029	0.030	0.000	0.000	0.000	0.000	0.000	1380.09	
4	0.7610	1184.6	1205.6	1201.6	0.900	6.556	65.898	19.412	6.346	0.252	0.564	0.035	0.037	0.000	0.000	0.000	0.000	0.000	1378.65	
5	0.7626	1188.0	1209.0	1204.9	0.906	6.492	65.696	19.624	6.349	0.267	0.589	0.038	0.040	0.000	0.000	0.000	0.000	0.000	1381.06	
6	0.7638	1189.7	1210.8	1206.9	0.899	6.504	65.428	19.894	6.356	0.263	0.580	0.037	0.040	0.000	0.000	0.000	0.000	0.000	1382.07	
7	0.7505	1166.6	1187.3	1183.5	0.906	6.662	67.066	18.942	5.657	0.227	0.487	0.026	0.027	0.000	0.000	0.000	0.000	0.000	1367.20	
8	0.7523	1169.8	1190.5	1186.8	0.901	6.646	66.826	19.084	5.765	0.228	0.495	0.027	0.028	0.000	0.000	0.000	0.000	0.000	1369.27	
9	0.7533	1172.5	1193.2	1189.3	0.912	6.565	66.425	19.656	5.763	0.208	0.427	0.022	0.022	0.000	0.000	0.000	0.000	0.000	1371.50	
10	0.7572	1180.3	1201.2	1197.2	0.909	6.450	66.060	19.819	6.011	0.226	0.470	0.027	0.027	0.000	0.000	0.000	0.000	0.000	1377.14	
11	0.7592	1183.0	1203.9	1200.2	0.901	6.489	65.637	20.203	6.027	0.225	0.464	0.027	0.028	0.000	0.000	0.000	0.000	0.000	1378.43	
12	0.7568	1178.7	1199.6	1195.9	0.905	6.514	66.094	19.778	5.941	0.231	0.481	0.027	0.028	0.000	0.000	0.000	0.000	0.000	1375.66	
13	0.7564	1178.4	1199.3	1195.5	0.907	6.498	66.112	19.795	5.957	0.220	0.459	0.025	0.026	0.000	0.000	0.000	0.000	0.000	1375.62	
14	0.7557	1177.4	1198.2	1194.4	0.905	6.496	66.222	19.715	5.936	0.218	0.457	0.025	0.026	0.000	0.000	0.000	0.000	0.000	1375.10	
15	0.7560	1176.4	1197.3	1193.3	0.902	6.586	66.358	19.394	5.934	0.243	0.522	0.030	0.031	0.000	0.000	0.000	0.000	0.000	1373.65	
16	0.7590	1181.3	1202.2	1198.3	0.902	6.564	66.117	19.397	6.112	0.263	0.575	0.034	0.036	0.000	0.000	0.000	0.000	0.000	1376.64	
17	0.7615	1187.1	1208.1	1204.3	0.910	6.434	65.593	20.033	6.170	0.255	0.540	0.032	0.034	0.000	0.000	0.000	0.000	0.000	1381.13	
18	0.7587	1182.4	1203.4	1199.5	0.904	6.473	65.913	19.873	6.004	0.245	0.522	0.031	0.033	0.000	0.000	0.000	0.000	0.000	1378.13	
19	0.7607	1186.3	1207.3	1203.4	0.905	6.421	65.710	19.969	6.130	0.254	0.543	0.033	0.035	0.000	0.000	0.000	0.000	0.000	1380.86	
20	0.7604	1186.1	1207.1	1203.3	0.907	6.404	65.763	19.943	6.119	0.253	0.543	0.033	0.035	0.000	0.000	0.000	0.000	0.000	1380.88	
21	0.7596	1184.4	1205.4	1201.5	0.910	6.416	65.885	19.871	6.052	0.253	0.544	0.033	0.035	0.000	0.000	0.000	0.000	0.000	1379.76	
22	0.7597	1183.8	1204.8	1200.8	0.906	6.469	65.881	19.795	6.082	0.253	0.545	0.033	0.035	0.000	0.000	0.000	0.000	0.000	1378.94	
23	0.7600	1184.3	1205.3	1201.2	0.903	6.481	65.932	19.616	6.193	0.253	0.552	0.034	0.036	0.000	0.000	0.000	0.000	0.000	1379.13	
24	0.7536	1172.4	1193.1	1189.3	0.909	6.602	66.328	19.725	5.783	0.198	0.410	0.022	0.023	0.000	0.000	0.000	0.000	0.000	1371.12	
25	0.7558	1176.8	1197.7	1194.0	0.911	6.534	66.053	19.940	5.876	0.207	0.430	0.024	0.025	0.000	0.000	0.000	0.000	0.000	1374.33	
26	0.7573	1180.3	1201.2	1197.3	0.915	6.454	65.914	20.100	5.865	0.228	0.468	0.027	0.029	0.000	0.000	0.000	0.000	0.000	1376.96	
27	0.7551	1176.7	1197.5	1193.8	0.910	6.476	66.228	19.862	5.797	0.221	0.454	0.026	0.027	0.000	0.000	0.000	0.000	0.000	1374.76	
28	0.7548	1175.0	1195.8	1192.0	0.912	6.548	66.256	19.795	5.751	0.224	0.461	0.026	0.027	0.000	0.000	0.000	0.000	0.000	1373.08	
29	0.7581	1181.6	1202.5	1198.6	0.910	6.461	65.773	20.172	5.953	0.223	0.455	0.026	0.027	0.000	0.000	0.000	0.000	0.000	1377.74	
30	0.7589	1182.8	1203.8	1199.7	0.913	6.447	65.864	19.941	6.036	0.238	0.500	0.030	0.032	0.000	0.000	0.000	0.000	0.000	1378.53	
Avg	0.7580	1181.0	1201.6	1197.8	0.906	6.505	65.999	19.774	6.020	0.235	0.501	0.030	0.031	0.000	0.000	0.000	0.000	0.000	1376.85	

Source Daily Summary

June 2021

Number: 271

Pressure Base: 14.730

Contract Day: 1

Name: DCKSN BRD-BLFD TSF-G.U. STN

Temperature Base:

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	0.6494	1077.1	1096.2	1093.1	1.015	2.475	82.150	13.476	0.838	0.018	0.028	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1357.12
2	0.6556	1083.9	1103.1	1099.8	1.011	2.648	81.191	13.963	1.109	0.027	0.048	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1359.26
3	0.6819	1140.8	1161.0	1157.2	0.264	2.794	75.137	20.533	1.207	0.022	0.041	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1402.58
4	0.6995	1148.7	1169.0	1165.3	0.447	3.681	73.148	20.075	2.406	0.072	0.152	0.009	0.009	0.000	0.000	0.000	0.000	0.000	0.000	1394.74
5	0.6868	1114.1	1133.8	1130.4	0.976	3.782	76.643	15.659	2.613	0.094	0.207	0.013	0.014	0.000	0.000	0.000	0.000	0.000	0.000	1365.13
6	0.6604	1098.8	1118.3	1115.2	0.769	2.556	79.905	15.638	1.078	0.019	0.033	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1372.81
7	0.6596	1103.3	1122.8	1119.6	0.652	2.391	79.845	16.109	0.956	0.019	0.027	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1379.08
8	0.6588	1097.8	1117.2	1113.8	0.762	2.481	80.129	15.611	0.966	0.021	0.029	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1373.06
9	0.6552	1091.2	1110.5	1106.9	0.815	2.467	80.826	14.944	0.906	0.016	0.026	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1368.66
10	0.6888	1150.4	1170.8	1167.0	0.198	2.951	73.956	21.331	1.472	0.030	0.056	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1407.41
11	0.6787	1133.3	1153.4	1150.0	0.357	2.807	76.045	19.371	1.330	0.030	0.055	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1396.56
12	0.6871	1157.2	1177.7	1174.1	0.000	2.688	73.567	22.694	1.019	0.012	0.019	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1417.47
13	0.6874	1157.8	1178.3	1174.7	0.000	2.676	73.527	22.719	1.054	0.010	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1417.98
14	0.6883	1159.0	1179.6	1175.7	0.000	2.690	73.395	22.791	1.086	0.013	0.023	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1418.47
15	0.6960	1124.5	1144.4	1140.7	0.888	4.150	75.190	16.280	3.132	0.111	0.226	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.000	1368.82
16	0.6755	1103.4	1123.0	1119.5	0.975	3.376	78.514	14.598	2.279	0.079	0.162	0.008	0.009	0.000	0.000	0.000	0.000	0.000	0.000	1363.19
17	0.6673	1095.0	1114.3	1111.0	0.975	3.120	79.590	14.354	1.776	0.059	0.117	0.005	0.006	0.000	0.000	0.000	0.000	0.000	0.000	1361.17
18	0.6688	1097.0	1116.5	1113.1	0.964	3.157	79.477	14.259	1.919	0.070	0.140	0.008	0.008	0.000	0.000	0.000	0.000	0.000	0.000	1362.03
19	0.6633	1091.5	1110.9	1107.5	0.941	3.002	80.478	13.555	1.813	0.065	0.132	0.006	0.007	0.000	0.000	0.000	0.000	0.000	0.000	1360.90
20	0.6541	1082.1	1101.3	1098.1	0.953	2.697	81.825	13.004	1.391	0.043	0.081	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1358.62
21	0.6464	1074.2	1093.2	1089.8	0.967	2.438	83.038	12.413	1.056	0.030	0.055	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1356.64
22	0.6517	1081.6	1100.7	1097.2	1.010	2.426	81.919	13.553	1.016	0.028	0.046	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1360.37
23	0.6735	1103.4	1123.0	1118.3	0.978	3.186	78.811	14.737	2.059	0.071	0.142	0.008	0.008	0.000	0.000	0.000	0.000	0.000	0.000	1364.59
24	0.6619	1090.6	1109.9	1106.4	0.994	2.851	80.521	13.884	1.583	0.052	0.104	0.005	0.005	0.000	0.000	0.000	0.000	0.000	0.000	1361.13
25	0.6521	1081.2	1100.3	1097.0	0.983	2.523	82.087	13.068	1.225	0.037	0.071	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1359.48
26	0.6516	1080.9	1100.0	1096.6	0.988	2.492	82.121	13.119	1.177	0.034	0.064	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1359.55
27	0.6628	1091.5	1110.8	1107.4	0.989	2.888	80.418	13.874	1.657	0.054	0.109	0.006	0.006	0.000	0.000	0.000	0.000	0.000	0.000	1361.31
28	0.6685	1096.8	1116.2	1112.8	1.006	3.082	79.378	14.545	1.815	0.056	0.108	0.005	0.005	0.000	0.000	0.000	0.000	0.000	0.000	1362.04
29	0.6925	1119.3	1139.2	1135.4	0.960	4.026	75.733	16.015	2.928	0.105	0.209	0.011	0.012	0.000	0.000	0.000	0.000	0.000	0.000	1365.80
30	0.7245	1151.2	1171.6	1167.1	0.926	5.138	70.907	18.073	4.416	0.166	0.335	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	1373.19
Avg	0.6716	1109.0	1128.9	1125.4	0.759	2.988	78.316	16.141	1.643	0.049	0.095	0.005	0.005	0.000	0.000	0.000	0.000	0.000	0.000	1374.31

Source Daily Summary

June 2021

Number: 051

Pressure Base: 14.730

Contract Day: 1

Name: CABIN CRK STN-BELFIELD TRSFR

Temperature Base:

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	0.6674	1104.7	1124.2	1121.1	0.965	2.559	79.139	15.830	1.363	0.048	0.084	0.005	0.005	0.000	0.000	0.000	0.000	0.000	0.000	1372.95
2	0.6617	1095.6	1115.0	1111.8	0.847	2.758	80.150	14.755	1.340	0.050	0.088	0.006	0.006	0.000	0.000	0.000	0.000	0.000	0.000	1367.49
3	0.6632	1094.9	1114.3	1111.3	0.847	2.756	80.149	14.758	1.339	0.050	0.088	0.006	0.006	0.000	0.000	0.000	0.000	0.000	0.000	1367.51
4	0.6646	1094.2	1113.6	1111.8	0.847	2.757	80.149	14.758	1.339	0.050	0.088	0.006	0.006	0.000	0.000	0.000	0.000	0.000	0.000	1367.51
5	0.6661	1093.4	1112.8	1111.8	0.847	2.757	80.149	14.758	1.339	0.050	0.088	0.006	0.006	0.000	0.000	0.000	0.000	0.000	0.000	1367.51
6	0.6675	1092.7	1112.1	1111.8	0.847	2.757	80.149	14.758	1.339	0.050	0.088	0.006	0.006	0.000	0.000	0.000	0.000	0.000	0.000	1367.51
7	0.6688	1091.7	1111.0	1108.0	0.574	4.046	78.490	15.195	1.541	0.052	0.092	0.005	0.004	0.000	0.000	0.000	0.000	0.000	0.000	1355.78
8	0.6735	1123.1	1143.0	1139.7	0.245	3.113	76.763	18.645	1.145	0.029	0.053	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1389.39
9	0.6731	1124.0	1143.9	1140.8	0.517	2.594	77.270	18.322	1.210	0.029	0.051	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1391.12
10	0.6672	1109.0	1128.7	1125.5	0.673	2.717	78.709	16.528	1.261	0.037	0.066	0.004	0.004	0.000	0.000	0.000	0.000	0.000	0.000	1378.63
11	0.6463	1071.4	1090.3	1087.4	0.729	2.965	82.780	12.344	1.091	0.032	0.053	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1353.05
12	0.6467	1074.4	1093.5	1090.4	0.692	2.873	82.645	12.626	1.078	0.029	0.050	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1356.52
13	0.6577	1096.0	1115.4	1112.2	0.605	2.720	80.391	15.076	1.126	0.028	0.048	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1372.20
14	0.6736	1129.3	1149.3	1146.0	0.271	2.702	76.710	19.169	1.093	0.032	0.032	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1397.05
15	0.6815	1145.2	1165.4	1162.1	0.062	2.801	74.814	21.216	1.069	0.013	0.024	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1408.42
16	0.6725	1128.4	1148.4	1145.0	0.224	2.727	76.800	19.190	1.013	0.016	0.029	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1397.09
17	0.6763	1111.7	1131.4	1128.1	0.516	3.643	77.329	16.449	1.872	0.064	0.115	0.006	0.006	0.000	0.000	0.000	0.000	0.000	0.000	1372.61
18	0.6786	1114.5	1134.2	1130.9	0.534	3.665	77.102	16.449	2.014	0.077	0.142	0.008	0.008	0.000	0.000	0.000	0.000	0.000	0.000	1373.68
19	0.6865	1130.8	1150.9	1147.5	0.498	3.463	75.943	17.480	2.288	0.110	0.196	0.011	0.010	0.000	0.000	0.000	0.000	0.000	0.000	1385.80
20	0.6742	1115.2	1134.9	1131.6	0.402	3.409	77.301	17.130	1.637	0.043	0.071	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1379.10
21	0.6734	1114.5	1134.2	1130.9	0.445	3.320	77.322	17.318	1.488	0.037	0.063	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1378.98
22	0.6655	1101.1	1120.6	1117.3	0.393	3.470	78.711	15.973	1.358	0.033	0.055	0.003	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1370.46
23	0.6595	1093.9	1113.3	1110.0	0.350	3.407	79.730	15.207	1.240	0.023	0.038	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1367.76
24	0.6625	1097.4	1116.8	1113.5	0.314	3.530	79.262	15.420	1.389	0.028	0.051	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1368.98
25	0.6681	1109.5	1129.2	1125.8	0.308	3.329	78.058	16.894	1.344	0.024	0.040	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1378.31
26	0.6700	1110.5	1130.2	1126.8	0.347	3.385	77.817	16.934	1.442	0.026	0.044	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1377.59
27	0.6712	1110.1	1129.7	1126.4	0.427	3.406	77.727	16.859	1.483	0.033	0.059	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1375.79
28	0.6715	1110.6	1130.3	1126.9	0.376	3.477	77.592	16.989	1.475	0.031	0.055	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1376.18
29	0.6740	1115.1	1134.9	1131.5	0.301	3.548	77.121	17.331	1.614	0.029	0.050	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	1379.23
30	0.6720	1109.9	1129.6	1126.2	0.289	3.704	77.460	16.876	1.576	0.032	0.057	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	1374.72
Avg	0.6685	1107.0	1126.7	1123.7	0.510	3.145	78.458	16.375	1.397	0.039	0.069	0.004	0.004	0.000	0.000	0.000	0.000	0.000	0.000	1375.63

Source Daily Summary

June 2021

Number: 111

Pressure Base: 14.730

Contract Day: 1

Name: LITTLE KNIFE PLANT

Temperature Base:

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	0.6891	1159.4	1179.9	1175.7	0.000	2.740	73.273	22.815	1.144	0.011	0.016	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1418.11	-22.61
2	0.6877	1156.3	1176.8	1172.5	0.000	2.796	73.482	22.614	1.080	0.010	0.017	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1415.82	-23.62
3	0.6880	1157.7	1178.2	1173.8	0.000	2.745	73.473	22.624	1.130	0.010	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1417.12	-23.18
4	0.6889	1159.0	1179.5	1175.1	0.000	2.746	73.328	22.743	1.152	0.011	0.019	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1417.81	-22.64
5	0.6892	1158.6	1179.1	1174.8	0.000	2.793	73.268	22.756	1.150	0.012	0.020	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1417.10	-22.59
6	0.6876	1156.6	1177.1	1173.2	0.000	2.770	73.473	22.682	1.043	0.011	0.019	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1416.27	-23.69
7	0.6876	1157.0	1177.5	1173.3	0.000	2.746	73.487	22.688	1.047	0.011	0.020	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1416.72	-23.63
8	0.6906	1159.9	1180.4	1176.4	0.000	2.848	73.003	22.931	1.183	0.012	0.022	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1417.24	-21.87
9	0.6889	1157.9	1178.4	1174.4	0.000	2.807	73.351	22.642	1.162	0.013	0.024	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1416.57	-22.65
10	0.6882	1157.8	1178.3	1174.2	0.000	2.752	73.431	22.674	1.109	0.012	0.021	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1417.09	-23.12
11	0.6888	1158.4	1179.0	1174.9	0.000	2.771	73.332	22.740	1.110	0.015	0.030	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1417.26	-22.65
12	0.6872	1157.0	1177.4	1173.3	0.000	2.712	73.565	22.645	1.047	0.011	0.019	0.000	0.001	0.000	0.000	0.000	0.000	0.000	1417.08	-23.77
13	0.6882	1158.1	1178.6	1174.6	0.000	2.732	73.418	22.726	1.091	0.011	0.021	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1417.50	-23.14
14	0.6881	1157.9	1178.4	1174.2	0.000	2.740	73.420	22.711	1.104	0.010	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1417.30	-23.28
15	0.6891	1159.3	1179.8	1175.5	0.000	2.747	73.317	22.734	1.157	0.014	0.028	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1417.97	-22.29
16	0.6890	1158.2	1178.7	1174.5	0.000	2.803	73.281	22.751	1.130	0.012	0.022	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1416.79	-22.71
17	0.6892	1158.8	1179.3	1175.0	0.000	2.791	73.254	22.769	1.152	0.012	0.021	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1417.23	-22.50
18	0.6892	1159.0	1179.5	1175.5	0.000	2.776	73.206	22.884	1.100	0.012	0.020	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1417.51	-22.68
19	0.6882	1157.4	1177.9	1173.6	0.000	2.773	73.402	22.715	1.076	0.012	0.022	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1416.66	-23.28
20	0.6879	1157.1	1177.6	1173.4	0.000	2.763	73.428	22.730	1.046	0.012	0.021	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1416.63	-23.53
21	0.6886	1157.8	1178.3	1174.0	0.000	2.792	73.323	22.753	1.098	0.012	0.021	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1416.69	-23.02
22	0.6896	1159.5	1180.0	1175.9	0.000	2.783	73.205	22.800	1.176	0.012	0.022	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1417.70	-22.20
23	0.6893	1159.0	1179.5	1175.3	0.000	2.788	73.248	22.767	1.163	0.012	0.021	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1417.36	-22.41
24	0.6883	1157.8	1178.3	1174.0	0.000	2.766	73.383	22.720	1.096	0.012	0.021	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1416.95	-23.10
25	0.6885	1158.1	1178.6	1174.4	0.000	2.762	73.341	22.787	1.077	0.011	0.021	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1417.14	-23.11
26	0.6882	1157.7	1178.2	1173.9	0.000	2.764	73.396	22.719	1.088	0.012	0.021	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1416.92	-23.18
27	0.6877	1156.9	1177.4	1173.2	0.000	2.760	73.506	22.619	1.082	0.011	0.021	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1416.51	-23.48
28	0.6889	1158.9	1179.4	1175.4	0.000	2.755	73.307	22.766	1.138	0.012	0.022	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1417.70	-22.62
29	0.6890	1158.8	1179.3	1175.1	0.000	2.772	73.292	22.757	1.145	0.012	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1417.42	-22.60
30	0.6891	1159.5	1180.1	1175.8	0.000	2.728	73.297	22.791	1.150	0.012	0.021	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1418.33	-22.49
Avg	0.6886	1158.0	1178.7	1174.5	0.000	2.767	73.350	22.735	1.114	0.012	0.021	0.001	0.001	0.000	0.000	0.000	0.000	0.000	1417.15	-22.92

Source Daily Summary

June 2021

Number:	351	Pressure Base:	14.730	Contract Day:	1
Name:	BADLANDS PLANT	Temperature Base:		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	0.5864	981.7	999.1	996.0	0.140	3.684	93.361	2.565	0.228	0.012	0.009	0.001	0.000	0.000	0.000	0.000	0.000	0.000	1301.71	
2	0.5723	962.4	979.5	976.4	0.104	3.586	95.993	0.297	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.81	
3	0.5723	962.4	979.4	976.3	0.104	3.586	95.993	0.296	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.80	
4	0.5724	962.0	979.0	975.8	0.104	3.628	95.950	0.297	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.05	
5	0.5726	961.7	978.7	975.5	0.105	3.659	95.918	0.297	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1290.46	
6	0.5723	962.4	979.5	976.4	0.105	3.581	95.996	0.297	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.86	
7	0.5722	962.5	979.5	976.3	0.104	3.577	96.000	0.297	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.96	
8	0.5722	962.5	979.6	976.3	0.104	3.574	96.004	0.297	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1292.01	
9	0.5723	962.4	979.5	976.2	0.104	3.582	95.996	0.297	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.87	
10	0.5723	962.3	979.4	976.0	0.104	3.594	95.985	0.297	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.66	
11	0.5723	962.2	979.3	976.3	0.104	3.605	95.974	0.297	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.46	
12	0.5723	962.4	979.4	975.9	0.104	3.590	95.988	0.297	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.74	
13	0.5722	962.5	979.5	976.1	0.104	3.578	96.000	0.298	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.96	
14	0.5722	962.5	979.6	975.9	0.104	3.576	96.000	0.298	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.99	
15	0.5722	962.6	979.6	975.8	0.104	3.570	96.008	0.298	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1292.11	
16	0.5723	962.7	979.8	976.5	0.105	3.568	95.990	0.314	0.015	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1292.20	
17	0.5722	969.9	987.0	983.2	0.124	3.564	95.214	0.973	0.090	0.014	0.007	0.007	0.007	0.000	0.000	0.000	0.000	0.000	1295.93	
18	0.5727	962.3	979.3	976.0	0.104	3.635	95.910	0.325	0.016	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.08	
19	0.5726	962.3	979.3	975.9	0.103	3.629	95.923	0.321	0.016	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.20	
20	0.5725	962.4	979.5	976.4	0.103	3.606	95.953	0.314	0.015	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.57	
21	0.5724	962.4	979.5	976.2	0.103	3.601	95.965	0.308	0.014	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.62	
22	0.5724	962.4	979.5	976.0	0.103	3.602	95.961	0.311	0.015	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.61	
23	0.5724	962.3	979.4	975.8	0.103	3.609	95.959	0.307	0.014	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.47	
24	0.5724	962.3	979.4	976.0	0.104	3.605	95.965	0.305	0.014	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.51	
25	0.5725	962.4	979.5	976.4	0.103	3.605	95.955	0.314	0.015	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.58	
26	0.5724	962.3	979.4	976.2	0.103	3.611	95.955	0.308	0.014	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.44	
27	0.5723	962.3	979.3	976.1	0.103	3.605	95.973	0.298	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.48	
28	0.5725	962.0	979.0	975.8	0.102	3.640	95.931	0.305	0.014	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1290.93	
29	0.5725	961.8	978.8	975.4	0.101	3.658	95.921	0.299	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1290.60	
30	0.5724	962.1	979.1	975.5	0.103	3.626	95.955	0.296	0.013	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1291.11	
Avg	0.5730	963.0	980.3	976.9	0.106	3.604	95.857	0.401	0.023	0.008	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1292.03	

June-21

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	
6/1/2021	6/2/2021	0	0		899	1,081	1203.1	1203.100	6/1/2021
6/2/2021	6/3/2021	0	0		931	1,123	1207.5	1207.500	6/2/2021
6/3/2021	6/4/2021	779	850	1091.90	803	969	1207	1150.323	6/3/2021
6/4/2021	6/5/2021	0	0		717	865	1205.6	1205.600	6/4/2021
6/5/2021	6/6/2021	3,174	3,481	1096.80	652	788	1209	1115.920	6/5/2021
6/6/2021	6/7/2021	0	0		751	909	1210.8	1210.800	6/6/2021
6/7/2021	6/8/2021	0	0		791	940	1187.3	1187.300	6/7/2021
6/8/2021	6/9/2021	0	0		925	1,102	1190.5	1190.500	6/8/2021
6/9/2021	6/10/2021	3,436	3,737	1087.70	819	977	1193.2	1108.007	6/9/2021
6/10/2021	6/11/2021	2,069	2,251	1088.10	786	945	1201.2	1119.237	6/10/2021
6/11/2021	6/12/2021	0	0		826	994	1203.9	1203.900	6/11/2021
6/12/2021	6/13/2021	0	0		717	860	1199.6	1199.600	6/12/2021
6/13/2021	6/14/2021	0	0		802	962	1199.3	1199.300	6/13/2021
6/14/2021	6/15/2021	0	0		942	1,129	1198.2	1198.200	6/14/2021
6/15/2021	6/16/2021	0	0		810	969	1197.3	1197.300	6/15/2021
6/16/2021	6/17/2021	0	0		803	965	1202.2	1202.200	6/16/2021
6/17/2021	6/18/2021	0	0		836	1,009	1208.1	1208.100	6/17/2021
6/18/2021	6/19/2021	0	0		834	1,004	1203.4	1203.400	6/18/2021
6/19/2021	6/20/2021	0	0		720	870	1207.3	1207.300	6/19/2021
6/20/2021	6/21/2021	0	0		811	979	1207.1	1207.100	6/20/2021
6/21/2021	6/22/2021	0	0		934	1,126	1205.4	1205.400	6/21/2021
6/22/2021	6/23/2021	0	0		832	1,003	1204.8	1204.800	6/22/2021
6/23/2021	6/24/2021	0	0		791	954	1205.3	1205.300	6/23/2021
6/24/2021	6/25/2021	0	0		813	969	1193.1	1193.100	6/24/2021
6/25/2021	6/26/2021	0	0		821	983	1197.7	1197.700	6/25/2021
6/26/2021	6/27/2021	0	0		738	886	1201.2	1201.200	6/26/2021
6/27/2021	6/28/2021	0	0		805	965	1197.5	1197.500	6/27/2021
6/28/2021	6/29/2021	4,509	4,923	1091.90	835	998	1195.8	1108.134	6/28/2021
6/29/2021	6/30/2021	7,645	8,346	1091.70	812	976	1202.5	1102.338	6/29/2021
6/30/2021	7/1/2021	4,038	4,405	1090.80	854	1,028	1203.8	1110.526	6/30/2021
		25,650	27,993	1091.2714	24,410	29,328	1201.6233	1181.6895	



Alliance Pipeline

DAILY ANALYSIS --- USA
 ND07MD1 --- Hankinson Sales
 June 2021

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	1,157.125	0.6628	84.4352	9.2599	3.6520	0.4028	0.7338	0.0606	0.0470	0.0238	0.9659	0.4093	0.0098
2	1,156.748	0.6620	84.6008	9.1708	3.6218	0.4055	0.7319	0.0634	0.0492	0.0253	0.9065	0.4151	0.0099
3	1,158.741	0.6639	84.3208	9.2925	3.6890	0.4127	0.7542	0.0631	0.0493	0.0252	0.9728	0.4107	0.0098
4	1,158.859	0.6639	84.3206	9.2767	3.7077	0.4114	0.7562	0.0621	0.0485	0.0247	0.9850	0.3974	0.0097
5	1,158.299	0.6635	84.3688	9.2423	3.7197	0.4087	0.7382	0.0620	0.0488	0.0232	0.9922	0.3861	0.0099
6	1,158.401	0.6635	84.3874	9.2287	3.6895	0.4128	0.7519	0.0641	0.0504	0.0271	0.9949	0.3836	0.0096
7	1,157.285	0.6639	84.3506	9.1733	3.7125	0.4095	0.7491	0.0632	0.0495	0.0258	1.0346	0.4222	0.0097
8	1,158.728	0.6640	84.3839	9.1576	3.7273	0.4155	0.7587	0.0675	0.0542	0.0286	0.9977	0.3995	0.0096
9	1,161.712	0.6658	84.1002	9.3425	3.8076	0.4200	0.7797	0.0643	0.0516	0.0269	1.0131	0.3844	0.0097
10	1,159.611	0.6645	84.2586	9.2591	3.7634	0.4120	0.7548	0.0638	0.0517	0.0269	1.0146	0.3855	0.0095
11	1,163.454	0.6669	83.9578	9.4815	3.7987	0.4249	0.7823	0.0706	0.0572	0.0311	0.9980	0.3881	0.0097
12	1,159.026	0.6643	84.1503	9.5233	3.6737	0.3976	0.6861	0.0715	0.0583	0.0318	0.9817	0.4158	0.0099
13	1,158.253	0.6631	84.4850	9.1758	3.6721	0.4104	0.7454	0.0691	0.0556	0.0297	0.9588	0.3885	0.0096
14	1,159.592	0.6647	84.2065	9.3439	3.7246	0.4084	0.7480	0.0670	0.0541	0.0290	1.0120	0.3972	0.0094
15	1,161.048	0.6656	84.1609	9.3052	3.7828	0.4168	0.7746	0.0685	0.0543	0.0270	0.9957	0.4053	0.0088
16	1,159.480	0.6645	84.2628	9.2910	3.7331	0.4116	0.7559	0.0653	0.0514	0.0260	0.9893	0.4048	0.0089
17	1,156.806	0.6630	84.4030	9.2568	3.6518	0.4003	0.7259	0.0642	0.0512	0.0259	1.0078	0.4044	0.0089
18	1,159.132	0.6646	84.1558	9.4364	3.6925	0.4066	0.7433	0.0628	0.0492	0.0247	1.0055	0.4142	0.0089
19	1,157.021	0.6633	84.3669	9.2662	3.6528	0.4050	0.7398	0.0621	0.0481	0.0255	1.0024	0.4223	0.0089
20	1,156.948	0.6637	84.3596	9.1766	3.6775	0.4111	0.7599	0.0641	0.0498	0.0247	1.0487	0.4189	0.0091
21	1,156.422	0.6634	84.3730	9.2293	3.6343	0.4089	0.7429	0.0640	0.0507	0.0266	1.0344	0.4267	0.0092
22	1,154.743	0.6617	84.6585	9.0360	3.6017	0.4066	0.7353	0.0652	0.0516	0.0254	1.0015	0.4091	0.0090
23	1,155.748	0.6629	84.4545	9.1428	3.6378	0.4069	0.7469	0.0633	0.0502	0.0254	1.0535	0.4097	0.0091
24	1,154.112	0.6612	84.6747	9.0596	3.5633	0.4007	0.7362	0.0648	0.0508	0.0248	1.0209	0.3952	0.0090
25	1,152.962	0.6600	84.7034	9.2559	3.4499	0.3909	0.6817	0.0654	0.0508	0.0254	0.9726	0.3949	0.0091
26	1,152.232	0.6601	84.6350	9.3017	3.4446	0.3796	0.6698	0.0660	0.0502	0.0264	1.0152	0.4025	0.0090
27	1,153.436	0.6622	84.3649	9.2989	3.5545	0.3901	0.6990	0.0646	0.0496	0.0261	1.1303	0.4132	0.0089
28	1,153.047	0.6618	84.4304	9.2613	3.5343	0.3891	0.6979	0.0653	0.0513	0.0282	1.1283	0.4051	0.0088
29	1,150.002	0.6589	84.7928	9.1945	3.3662	0.3819	0.6598	0.0677	0.0534	0.0291	1.0520	0.3934	0.0092
30	1,151.349	0.6597	84.7192	9.2708	3.3392	0.3936	0.6653	0.0749	0.0606	0.0347	1.0270	0.4051	0.0096
Volume	1,156.952	0.6631	84.3981	9.2564	3.6403	0.4049	0.7330	0.0653	0.0516	0.0268	1.0106	0.4037	0.0093
Weight Avg Energy	1,156.960	0.6631	84.3976	9.2565	3.6406	0.4049	0.7330	0.0653	0.0516	0.0268	1.0105	0.4037	0.0093



Alliance Pipeline

DAILY ANALYSIS --- USA
 ND14MD1 --- Milnor Sales
 June 2021

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	1,156.505	0.6622	84.5263	9.2260	3.6258	0.4012	0.7267	0.0606	0.0471	0.0240	0.9430	0.4095	0.0098
2	1,156.920	0.6621	84.6020	9.1716	3.6188	0.4072	0.7359	0.0638	0.0494	0.0254	0.9031	0.4129	0.0099
3	1,159.248	0.6645	84.2466	9.3227	3.7116	0.4137	0.7591	0.0626	0.0489	0.0249	0.9897	0.4104	0.0098
4	1,158.762	0.6639	84.3297	9.2712	3.7058	0.4108	0.7546	0.0622	0.0488	0.0249	0.9836	0.3986	0.0098
5	1,157.578	0.6629	84.4335	9.2170	3.6999	0.4056	0.7299	0.0613	0.0482	0.0235	0.9927	0.3787	0.0098
6	1,159.671	0.6645	84.2211	9.3518	3.7129	0.4137	0.7551	0.0643	0.0508	0.0274	1.0099	0.3836	0.0094
7	1,157.505	0.6641	84.3394	9.1724	3.7153	0.4108	0.7555	0.0634	0.0498	0.0259	1.0346	0.4232	0.0096
8	1,158.585	0.6639	84.4020	9.1573	3.7235	0.4146	0.7531	0.0672	0.0541	0.0287	0.9955	0.3944	0.0097
9	1,161.903	0.6661	84.0671	9.3715	3.8104	0.4193	0.7783	0.0644	0.0516	0.0270	1.0160	0.3846	0.0097
10	1,159.199	0.6644	84.2927	9.2361	3.7525	0.4108	0.7543	0.0636	0.0516	0.0268	1.0153	0.3867	0.0096
11	1,163.745	0.6671	83.9221	9.5203	3.8073	0.4239	0.7737	0.0710	0.0576	0.0316	0.9927	0.3900	0.0097
12	1,157.314	0.6633	84.1948	9.6126	3.5620	0.3882	0.6715	0.0693	0.0567	0.0322	0.9834	0.4194	0.0098
13	1,160.329	0.6644	84.3034	9.2906	3.7245	0.4173	0.7553	0.0700	0.0556	0.0288	0.9714	0.3737	0.0094
14	1,159.337	0.6646	84.2381	9.3015	3.7361	0.4088	0.7499	0.0653	0.0527	0.0277	1.0116	0.3990	0.0093
15	1,160.441	0.6653	84.2001	9.2934	3.7622	0.4141	0.7699	0.0681	0.0541	0.0270	0.9930	0.4092	0.0089
16	1,158.800	0.6641	84.3020	9.2849	3.7117	0.4086	0.7475	0.0646	0.0509	0.0259	0.9899	0.4050	0.0089
17	1,156.964	0.6631	84.3862	9.2648	3.6567	0.4011	0.7267	0.0642	0.0512	0.0260	1.0110	0.4032	0.0089
18	1,160.160	0.6653	84.0540	9.5155	3.7098	0.4074	0.7476	0.0626	0.0498	0.0254	1.0023	0.4169	0.0088
19	1,156.350	0.6629	84.4476	9.2090	3.6355	0.4046	0.7399	0.0619	0.0478	0.0255	1.0039	0.4152	0.0090
20	1,156.120	0.6634	84.4022	9.1608	3.6468	0.4100	0.7481	0.0656	0.0522	0.0261	1.0530	0.4260	0.0091
21	1,156.297	0.6633	84.3948	9.2114	3.6333	0.4086	0.7433	0.0640	0.0506	0.0266	1.0323	0.4258	0.0092
22	1,154.441	0.6616	84.6750	9.0207	3.5984	0.4060	0.7342	0.0649	0.0511	0.0249	1.0063	0.4093	0.0090
23	1,156.000	0.6630	84.4398	9.1533	3.6428	0.4072	0.7477	0.0638	0.0506	0.0256	1.0526	0.4074	0.0091
24	1,153.924	0.6612	84.6764	9.0655	3.5549	0.4006	0.7342	0.0647	0.0506	0.0246	1.0233	0.3962	0.0090
25	1,152.899	0.6598	84.7210	9.2713	3.4392	0.3892	0.6759	0.0656	0.0507	0.0255	0.9604	0.3921	0.0091
26	1,151.992	0.6600	84.6509	9.3048	3.4334	0.3782	0.6654	0.0663	0.0505	0.0263	1.0109	0.4043	0.0090
27	1,153.466	0.6626	84.3709	9.2333	3.5700	0.3956	0.7136	0.0652	0.0503	0.0268	1.1524	0.4133	0.0087
28	1,153.018	0.6618	84.4400	9.2673	3.5296	0.3890	0.6959	0.0647	0.0509	0.0281	1.1227	0.4030	0.0088
29	1,149.371	0.6585	84.8421	9.1948	3.3369	0.3791	0.6503	0.0678	0.0535	0.0292	1.0449	0.3921	0.0092
30	1,151.873	0.6601	84.6855	9.2912	3.3389	0.3961	0.6707	0.0770	0.0627	0.0363	1.0253	0.4064	0.0098
Volume	1,156.998	0.6632	84.3995	9.2506	3.6407	0.4058	0.7353	0.0655	0.0518	0.0270	1.0113	0.4032	0.0093
Weight Avg Energy	1,157.013	0.6632	84.3982	9.2520	3.6408	0.4058	0.7353	0.0654	0.0518	0.0270	1.0112	0.4032	0.0093

June-21

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		
6/1/2021	6/2/2021	71	85	1200.8	103	115	1116.6	1150.957	6/1/2021
6/2/2021	6/3/2021	26	32	1200.7	77	86	1116.6	1137.829	6/2/2021
6/3/2021	6/4/2021	14	17	1200.8	82	92	1116.6	1128.879	6/3/2021
6/4/2021	6/5/2021	14	16	1200.8	66	74	1116.6	1131.335	6/4/2021
6/5/2021	6/6/2021	10	12	1200.8	80	89	1116.6	1125.956	6/5/2021
6/6/2021	6/7/2021	53	63	1200.8	95	107	1116.6	1146.753	6/6/2021
6/7/2021	6/8/2021	40	48	1200.8	81	90	1116.6	1144.435	6/7/2021
6/8/2021	6/9/2021	26	31	1200.8	95	106	1116.6	1134.693	6/8/2021
6/9/2021	6/10/2021	28	34	1200.8	86	96	1116.6	1137.281	6/9/2021
6/10/2021	6/11/2021	30	35	1200.8	93	104	1116.6	1137.137	6/10/2021
6/11/2021	6/12/2021	74	89	1200.8	111	124	1116.6	1150.280	6/11/2021
6/12/2021	6/13/2021	5	6	1200.8	103	115	1116.6	1120.498	6/12/2021
6/13/2021	6/14/2021	12	14	1200.8	96	108	1116.6	1125.956	6/13/2021
6/14/2021	6/15/2021	12	15	1200.8	98	109	1116.6	1125.785	6/14/2021
6/15/2021	6/16/2021	10	12	1200.8	116	130	1116.6	1123.283	6/15/2021
6/16/2021	6/17/2021	26	32	1200.8	109	121	1116.6	1132.816	6/16/2021
6/17/2021	6/18/2021	9	11	1200.8	107	119	1116.6	1123.133	6/17/2021
6/18/2021	6/19/2021	7	8	1200.8	113	126	1116.6	1121.512	6/18/2021
6/19/2021	6/20/2021	2	3	1200.8	107	120	1116.6	1118.145	6/19/2021
6/20/2021	6/21/2021	42	51	1200.8	124	139	1116.6	1137.904	6/20/2021
6/21/2021	6/22/2021	22	26	1200.8	100	111	1116.6	1131.784	6/21/2021
6/22/2021	6/23/2021	2	3	1200.8	70	78	1116.6	1118.939	6/22/2021
6/23/2021	6/24/2021	23	28	1200.8	88	98	1116.6	1134.047	6/23/2021
6/24/2021	6/25/2021	35	42	1200.8	91	102	1116.6	1139.989	6/24/2021
6/25/2021	6/26/2021	34	41	1200.8	93	104	1116.6	1139.142	6/25/2021
6/26/2021	6/27/2021	21	25	1200.8	93	104	1116.6	1132.111	6/26/2021
6/27/2021	6/28/2021	4	4	1200.8	83	93	1116.6	1120.471	6/27/2021
6/28/2021	6/29/2021	25	30	1200.8	98	109	1116.6	1133.714	6/28/2021
6/29/2021	6/30/2021	6	7	1200.8	88	98	1116.6	1121.974	6/29/2021
6/30/2021	7/1/2021	20	24	1200.8	76	85	1116.6	1134.142	6/30/2021
		703	844	1200.7967	2,822	3,152	1116.6000	1132.0292	

ROW ID	LOCATION DESCRIPTION	GROSS HEATING VALUE (BTU/CF)	SPECIFIC GRAVITY	WOBBE (cal)	CRICONDENTH ERM (deg F)	NITROGEN (mole percent)	CARBON DIOXIDE (mole percent)	METHANE (mole percent)	ETHANE (mole percent)	PROPANE (mole percent)	NORMAL BUTANE (mole percent)	ISO BUTANE (mole percent)	PENTANE (mole percent)	ISO PENTANE (mole percent)	NEO PENTANE (mole percent)	HEXANES PLUS (mole percent)	HYDROGEN (mole percent)	HELIUM (mole percent)	PRODUCTION DATE	POSTING DATE	Changetimesamp	NOTES
11587	GLEN ULLIN	1093.7	0.6479	1358.7	-48.4	2.5091	0.9919	82.3616	13.1515	0.8758	0.0282	0.0171	0.0005	0.001	N/A	0	0.0376	0.0259	5/31/2021	6/1/2021	6/1/2021 17:05	
11587	GLEN ULLIN	1096.6	0.6496	1360.5	-47.2	2.4977	0.9954	82.0673	13.4317	0.9135	0.028	0.0172	0.0002	0.0005	N/A	0	0.023	0.0256	6/1/2021	6/2/2021	6/2/2021 17:20	
11587	GLEN ULLIN	1094.8	0.6484	1359.6	-48.4	2.4811	1.0007	82.2449	13.3206	0.8577	0.0247	0.015	0	0.0002	N/A	0	0.03	0.0253	6/2/2021	6/3/2021	6/3/2021 17:25	
11587	GLEN ULLIN	1092.8	0.6462	1359.4	-49.3	2.4121	0.9899	82.7131	12.9099	0.8745	0.0271	0.0159	0.0004	0.0005	N/A	0	0.0318	0.0249	6/3/2021	6/4/2021	6/4/2021 17:42	
11587	GLEN ULLIN	1096.1	0.6496	1360	-47.1	2.5138	0.9996	82.0765	13.3703	0.9302	0.0295	0.0171	0.0006	0.0006	N/A	0.0001	0.0365	0.0253	6/4/2021	6/5/2021	6/5/2021 17:42	
11587	GLEN ULLIN	1093.5	0.6465	1359.9	-48.9	2.3899	0.9915	82.7689	12.8187	0.952	0.0235	0.015	0.0001	0.0001	N/A	0	0.0155	0.0248	6/5/2021	6/6/2021	6/6/2021 16:43	
11587	GLEN ULLIN	1092.2	0.6451	1359.8	-48.7	2.3488	0.9834	82.9665	12.5735	0.9708	0.0285	0.0191	0.0007	0.001	N/A	0.0005	0.0829	0.0244	6/6/2021	6/7/2021	6/7/2021 16:56	
11587	GLEN ULLIN	1092.7	0.6463	1359.2	-47.9	2.3947	1.0064	82.7854	12.6508	1.0037	0.0317	0.0206	0.0011	0.0015	N/A	0.0004	0.0796	0.0244	6/7/2021	6/8/2021	6/8/2021 17:34	
11587	GLEN ULLIN	1087.5	0.6429	1356.2	-50.6	2.3885	1.0106	83.4769	12.0608	0.9417	0.0316	0.0194	0.001	0.0015	N/A	0	0.0433	0.0249	6/8/2021	6/9/2021	6/9/2021 16:59	
11587	GLEN ULLIN	1088.3	0.6427	1357.5	-50.5	2.3285	1.005	83.526	12.077	0.941	0.0314	0.021	0.0009	0.0018	N/A	0.0002	0.043	0.0244	6/9/2021	6/10/2021	6/10/2021 17:58	
11587	GLEN ULLIN	1084.5	0.6388	1356.9	-53.4	2.22	0.9823	84.163	11.6362	0.8562	0.0266	0.0186	0.0001	0.0007	N/A	0	0.073	0.0233	6/10/2021	6/11/2021	6/11/2021 16:58	
11587	GLEN ULLIN	1081.7	0.6366	1355.7	-55.5	2.1537	0.9997	84.5884	11.3628	0.7849	0.0212	0.0137	0	0	N/A	0	0.0526	0.0231	6/11/2021	6/12/2021	6/12/2021 16:56	
11587	GLEN ULLIN	1082.9	0.6383	1355.4	-54.4	2.267	0.9804	84.3017	11.5333	0.827	0.0228	0.0144	0	0	N/A	0	0.0295	0.0239	6/12/2021	6/13/2021	6/13/2021 17:03	
11587	GLEN ULLIN	1082.5	0.6381	1355.1	-54.8	2.2924	0.9694	84.2726	11.5772	0.7949	0.0208	0.0132	0	0	N/A	0	0.0358	0.0238	6/13/2021	6/14/2021	6/14/2021 16:51	
11587	GLEN ULLIN	1086.3	0.641	1356.8	-51.5	2.2953	0.9992	83.8874	11.7552	0.9446	0.0311	0.0205	0.0009	0.0015	N/A	0.0002	0.0403	0.0239	6/14/2021	6/15/2021	6/15/2021 17:40	
11587	GLEN ULLIN	1086.5	0.6396	1358.6	-52.9	2.1372	1.0091	84.0689	11.8355	0.8349	0.0279	0.0173	0.0005	0.0008	N/A	0	0.0448	0.0233	6/15/2021	6/16/2021	6/16/2021 17:36	
11587	GLEN ULLIN	1091.3	0.644	1359.9	-50.4	2.2754	0.9951	83.1841	12.5871	0.8522	0.0272	0.0169	0.0008	0.0013	N/A	0	0.0361	0.024	6/16/2021	6/17/2021	6/17/2021 17:03	
11587	GLEN ULLIN	1093.8	0.6463	1360.6	-48.5	2.371	0.9782	82.7067	12.916	0.8982	0.0305	0.0205	0.0012	0.0016	N/A	0.0004	0.0516	0.0242	6/17/2021	6/18/2021	6/18/2021 18:07	
11587	GLEN ULLIN	1087.4	0.6412	1358	-52	2.2945	0.9639	83.7566	12.0073	0.8736	0.0296	0.0182	0.0002	0.0007	N/A	0	0.0311	0.0244	6/18/2021	6/19/2021	6/19/2021 18:01	
11587	GLEN ULLIN	1086.2	0.6401	1357.7	-52.7	2.2751	0.9552	83.9719	11.8567	0.8463	0.0306	0.0186	0.0003	0.0007	N/A	0	0.0205	0.0242	6/19/2021	6/20/2021	6/20/2021 18:07	
11587	GLEN ULLIN	1083.9	0.6381	1356.8	-54.5	2.2383	0.9534	84.2947	11.6384	0.792	0.024	0.0151	0	0	N/A	0	0.0201	0.024	6/20/2021	6/21/2021	6/21/2021 18:08	
11587	GLEN ULLIN	1092.7	0.6458	1359.7	-48.9	2.3515	1.0076	82.8725	12.7707	0.8897	0.0314	0.0209	0.0013	0.0018	N/A	0.0004	0.0277	0.0245	6/21/2021	6/22/2021	6/22/2021 18:06	
11587	GLEN ULLIN	1091.3	0.6434	1360.5	-50.9	2.2127	1.0048	83.292	12.5744	0.8233	0.0256	0.0163	0.0001	0.0007	N/A	0	0.0264	0.0237	6/22/2021	6/23/2021	6/23/2021 18:41	
11587	GLEN ULLIN	1091.8	0.6441	1360.3	-50.2	2.2375	1.0144	83.0867	12.6804	0.8378	0.0273	0.017	0.0006	0.001	N/A	0	0.0739	0.0235	6/23/2021	6/24/2021	6/24/2021 18:10	
11587	GLEN ULLIN	1088.1	0.6415	1358.6	-51.7	2.2386	0.9958	83.488	12.2498	0.8316	0.0273	0.0163	0.0006	0.0008	N/A	0	0.128	0.0234	6/24/2021	6/25/2021	6/25/2021 18:12	
11587	GLEN ULLIN	1087.9	0.6411	1358.7	-51.8	2.2343	0.9855	83.5497	12.1828	0.8419	0.0269	0.0171	0.0006	0.0009	N/A	0	0.1373	0.023	6/25/2021	6/26/2021	6/26/2021 18:04	
11587	GLEN ULLIN	1088.7	0.6424	1358.3	-51.3	2.2879	0.9962	83.2724	12.3942	0.841	0.0258	0.0158	0.0001	0.0003	N/A	0	0.1435	0.0228	6/26/2021	6/27/2021	6/27/2021 18:05	
11587	GLEN ULLIN	1090.9	0.6437	1359.7	-50.7	2.2375	1.0206	83.1749	12.5932	0.8348	0.0257	0.0158	0.0002	0.0004	N/A	0	0.0738	0.0233	6/27/2021	6/28/2021	6/28/2021 18:10	
11587	GLEN ULLIN	1091.6	0.6445	1359.8	-50.1	2.2807	1.0166	82.9513	12.7341	0.8488	0.0266	0.0166	0.0002	0.0004	N/A	0	0.1017	0.023	6/28/2021	6/29/2021	6/29/2021 18:03	
11587	GLEN ULLIN	1091.8	0.6447	1359.7	-49.7	2.2954	1.0129	82.8581	12.7539	0.8718	0.027	0.0169	0.0004	0.0005	N/A	0	0.1402	0.0229	6/29/2021	6/30/2021	6/30/2021 17:58	
11587	GLEN ULLIN	1093.1	0.6457	1360.3	-49.4	2.3219	1.0038	82.689	12.9734	0.8451	0.0254	0.016	0.0002	0.0007	N/A	0	0.1013	0.0234	6/30/2021	7/1/2021	7/1/2021 17:40	

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
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	JUN 21	MAY 21	APR 21	MAR 21	FEB 21	JAN 21	DEC 20	NOV 20	OCT 20	SEPT 20	AUG 20	JULY 20	ZONE
MT/ND	211	Sidney Border - MonDak Tfr - Sidney Plt	1198	1152	1204	1198	1208	1206	1209	1207	1198	1200	1202	1196	1191	211
ND	24	Williston Border - Charbonneau Station	1166	1164	1168	1167	1176	1176	1177	1175	1167	1158	1157	1157	1153	24
ND	25	Watford City West Border	1195	1199	1202	1199	1194	1194	1195	1195	1193	1193	1194	1191	1194	25
ND	28	Bismarck Station - Glen Ullin Station	1153	1202	1161	1117	1148	1110	1121	1135	1131	1152	1174	1195	1190	28
ND	31	Dickinson Brd - Belfield Trf - G Ullin Stn	1127	1129	1160	1154	1127	1113	1122	1131	1129	1136	1125	1104	1092	31
ND/MT	32	Cabin Creek Station - Belfied Transfer	1119	1127	1122	1124	1121	1091	1105	1119	1123	1127	1134	1120	1115	32
ND	33	Little Knife Plant	1175	1179	1175	1173	1172	1171	1172	1172	1172	1172	1174	1179	1183	33
ND	34	Badlands Plant/Bowman Border	1038	980	989	981	1040	1079	1172	1094	1070	1060	1025	984	984	34
ND	43	Watford City East Border	1129	1119	1123	1119	1126	1106	1104	1147	1147	1140	1139	1137	1142	43
ND/MT	241	Fairview Border	1182	1185	1173	1185	1198	1204	1192	1195	1203	1169	1157	1172	1153	241
ND	260	North Tioga Transfer - Nesson Plant	1140	1153	1159	1148	1160	1149	1144	1142	1134	1114	1131	1129	1116	260
ND	261	Tioga Comp Station - Robinson Lake Plan	1173	1195	1193	1180	1173	1171	1168	1166	1159	1164	1162	1172	1167	261
ND	262	Minot Bdr - Palermo Bdr - Bismarck Stn	1189	1203	1195	1189	1191	1187	1184	1181	1178	1182	1191	1195	1189	262
ND	263	Lignite Plant	1140	1147	1137	1147	1148	1125	1133	1134	1137	1137	1149	1147	1143	263
ND	264	Epping Border	1161	1165	1163	1165	1168	1168	1167	1165	1163	1156	1155	1147	1147	264
ND	265	Tioga Comp Station - County Line Plant	1168	1165	1172	1170	1172	1171	1168	1166	1159	1164	1163	1173	1168	265
ND	266	County Line Plant	1174	1169	1171	1169	1174	1176	1164	1166	1165	1161	1190	1194	1191	266
ND	271	Bismarck Station - Cleveland Station	1186	1202	1196	1186	1191	1165	1180	1179	1174	1181	1191	1195	1190	271
ND	272	Cleveland Station - Mapleton	1185	1200	1196	1185	1190	1165	1179	1178	1173	1182	1191	1195	1190	272
ND	273	Cleveland Station - Grafton Border	1185	1200	1195	1184	1189	1164	1179	1178	1173	1181	1190	1194	1190	273
ND	550	Mandan Border / NBPL-St Anthony	1150	1182	1161	1120	1148	1110	1121	1133	1131	1152	1174	1190	1181	550
ND	610	MDU-Watford City BTU	1157	1132	1162	1158	1158	1141	1140	1167	1166	1165	1170	1163	1163	610
ND	802	NBPL - Linton	1102	1090	1094	1093	1099	1101	1103	1111	1113	1110	1120	1102	1088	802
ND	903	Hettinger Propane	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	2549	903
ND	600	Alliance Pipeline - Hankinson	1156	1157	1158	1154	1150	1146	1148	1155	1155	1166	1166	1160	1158	600
ND	601	Alliance Pipeline - Milnor	1156	1157	1158	1154	1150	1146	1148	1155	1155	1166	1167	1161	1158	602

THERMAL ZONE VARIANCE DOCUMENTATION		
June 2021		
<i>ZONE</i>	<i>BTU VARIANCE</i>	<i>REASON</i>
211	-52	Operational
28	41	Operational
31	-31	Operational
550	21	High Volumes
610	-30	Low Volumes