Northern Utilities, Inc.
New Hampshire Division
Billed Distribution Service Volumes and Meter Counts

	Total Division Metered Deliveries (Dth)										
	2021-2022	2021-2022 Compared to 2020-2021					2021-2022 Compared to 2019-2020				
	Forecast	2020-2021 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern	2019-2020 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern
Column	1	2	3	4	5	6	7	8	9	10	11
Reference	Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(3-5)	Note 4.	(1-5)	(6/5)	Note 5.	(8-10)
Nov	742,238	706,201	36,038	5.1%	15,584	20,454	710,939	31,300	4.4%	37,416	-6,116
Dec	1,012,081	974,136	37,945	3.9%	22,020	15,925	967,728	44,354	4.6%	53,990	-9,637
Jan	1,300,722	1,195,414	105,308	8.8%	27,000	78,308	1,190,671	110,051	9.2%	63,943	46,108
Feb	1,335,467	1,256,408	79,058	6.3%	28,341	50,718	1,255,585	79,881	6.4%	67,147	12,734
Mar	1,107,637	1,052,431	55,206	5.2%	23,642	31,565	1,023,935	83,702	8.2%	55,370	28,332
Apr	877,111	812,809	64,303	7.9%	18,274	46,028	739,593	137,518	18.6%	41,521	95,997
May	631,324	583,125	48,199	8.3%	13,119	35,080	565,494	65,830	11.6%	26,082	39,747
Jun	446,553	426,376	20,177	4.7%	9,656	10,521	396,103	50,450	12.7%	18,152	32,298
Jul	401,291	384,587	16,704	4.3%	8,732	7,972	347,265	54,026	15.6%	15,680	38,346
Aug	401,013	385,149	15,864	4.1%	8,746	7,118	330,714	70,300	21.3%	14,936	55,364
Sep	408,450	392,793	15,657	4.0%	8,934	6,723	386,921	21,529	5.6%	17,533	3,997
Oct	505,819	486,861	18,958	3.9%	11,056	7,902	452,419	53,400	11.8%	20,457	32,943
Winter	6,375,256	5,997,398	377,858	6.3%	134,860	242,998	5,888,450	486,806	8.3%	319,768	167,038
Summer	2,794,451	2,658,891	135,560	5.1%	60,244	75,316	2,478,916	315,536	12.7%	112,703	202,833
Annual	9,169,707	8,656,289	513,418	5.9%	195,104	318,314	8,367,366	802,341	9.6%	417,316	385,025

Note 1 Company Forecast
Note 2 Pages 2 - 4; Sum of Column 2 of Billed Deliveries table. Actual Data through April is weather normalized.
Note 3 Column 3 of Meter Counts table times Column 2 of Use Per Meter table.
Note 4 Pages 2 - 4; Sum of Column 7 of Billed Deliveries Table. Actual Data provided is weather normalized.
Note 5 Column 6 of Meter Counts table times Column 5 of Use Per Meter table.

	Total Division Meter Counts						
	2021-2022	Compared to 2020-2021			Compared to 2019-2020		
	Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
Column	1	2	3	4	5	6	7
Reference	Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
Nov	35,942	35,166	776	2.2%	34,145	1,797	5.3%
Dec	36,145	35,346	799	2.3%	34,235	1,910	5.6%
Jan	36,220	35,420	800	2.3%	34,374	1,846	5.4%
Feb	36,266	35,466	800	2.3%	34,425	1,841	5.3%
Mar	36,276	35,479	797	2.2%	34,415	1,861	5.4%
Apr	36,383	35,583	800	2.2%	34,449	1,934	5.6%
May	35,995	35,203	792	2.2%	34,408	1,587	4.6%
Jun	35,853	35,059	794	2.3%	34,282	1,571	4.6%
Jul	35,855	35,059	796	2.3%	34,306	1,549	4.5%
Aug	35,894	35,097	797	2.3%	34,343	1,551	4.5%
Sep	36,241	35,435	806	2.3%	34,670	1,571	4.5%
Oct	36,569	35,757	812	2.3%	34,987	1,582	4.5%
Winter	36,205	35,410	795	2.2%	34,341	1,865	5.4%
Summer	36,068	35,268	800	2.3%	34,499	1,569	4.5%
Annual	36,137	35,339	797	2.3%	34,420	1,717	5.0%

Note 1 Company Forecast
Note 2 Actual data through April. Forecast data beginning June. Page 2 - 4; Sum of Column 2 of Meter Counts table.
Note 3 Actual Data. Page 2 - 4; Sum of Column 5 of Meter Counts table.

	Total Division Use Per Meter						
	2021-2022	Compared to 2020-2021			Compared to 2019-2020		
	Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
Column	1	2	3	4	5	6	7
Reference	Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
Nov	20.65	20.08	0.57	2.8%	20.82	-0.17	-0.8%
Dec	28.00	27.56	0.44	1.6%	28.27	-0.27	-0.9%
Jan	35.91	33.75	2.16	6.4%	34.64	1.27	3.7%
Feb	36.82	35.43	1.40	3.9%	36.47	0.35	1.0%
Mar	30.53	29.66	0.87	2.9%	29.75	0.78	2.6%
Apr	24.11	22.84	1.27	5.5%	21.47	2.64	12.3%
May	17.54	16.56	0.97	5.9%	16.43	1.10	6.7%
Jun	12.46	12.16	0.29	2.4%	11.55	0.90	7.8%
Jul	11.19	10.97	0.22	2.0%	10.12	1.07	10.6%
Aug	11.17	10.97	0.20	1.8%	9.63	1.54	16.0%
Sep	11.27	11.08	0.19	1.7%	11.16	0.11	1.0%
Oct	13.83	13.62	0.22	1.6%	12.93	0.90	7.0%
Winter	176.09	169.37	6.72	4.0%	171.47	4.61	2.7%
Summer	77.48	75.39	2.09	2.8%	71.85	5.63	7.8%
Annual	253.75	244.95	8.80	3.6%	243.10	10.24	4.2%

Note 1 Column 1 of Billed Deliveries table divided by Column 1 of Meter Counts table.
Note 2 Column 2 of Billed Deliveries table divided by Column 2 of Meter Counts table.
Note 3 Column 7 of Billed Deliveries table divided by Column 5 of Meter Counts table.

Northern Utilities, Inc.
New Hampshire Division
Billed Distribution Service Volumes and Meter Counts

	Residential Non-Heat Metered Deliveries (Dth)										
	2021-2022	2021-2022 Compared to 2020-2021					2021-2022 Compared to 2019-2020				
	Forecast	2020-2021 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern	2019-2020 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern
Column	1	2	3	4	5	6	7	8	9	10	11
Reference	Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(3-5)	Note 4.	(1-5)	(6/5)	Note 5.	(8-10)
Nov	1,859	1,874	-16	-0.8%	-23	8	1,727	131	7.6%	29	102
Dec	2,658	2,616	42	1.6%	-33	75	2,569	89	3.4%	54	34
Jan	3,075	3,286	-211	-6.4%	-41	-170	3,033	42	1.4%	-80	122
Feb	3,131	3,456	-325	-9.4%	-43	-282	3,126	5	0.2%	-85	90
Mar	2,430	2,931	-501	-17.1%	-37	-465	2,626	-196	-7.5%	-59	-137
Apr	2,125	2,220	-94	-4.3%	-27	-67	2,221	-96	-4.3%	-15	-80
May	1,709	1,800	-91	-5.1%	-22	-69	1,866	-157	-8.4%	-45	-113
Jun	1,433	1,509	-76	-5.1%	-18	-58	1,474	-41	-2.8%	-36	-5
Jul	1,276	1,344	-68	-5.1%	-16	-52	1,261	15	1.2%	-31	46
Aug	1,213	1,278	-65	-5.1%	-15	-49	1,129	84	7.5%	-28	112
Sep	1,247	1,314	-66	-5.1%	-16	-51	1,402	-154	-11.0%	-34	-121
Oct	1,291	1,359	-69	-5.1%	-17	-52	1,285	5	0.4%	-31	37
Winter	15,277	16,382	-1,105	-6.7%	-205	-900	15,301	-24	-0.2%	-120	96
Summer	8,169	8,604	-435	-5.1%	-104	-331	8,417	-248	-2.9%	-204	-44
Annual	23,447	24,987	-1,540	-6.2%	-309	-1,231	23,718	-272	-1.1%	-385	113

Note 1 Company Forecast
Note 2 Actual, weather normalized data through April. Forecast data beginning June.
Note 3 Column 3 of Meter Counts table times Column 2 of Use Per Meter table.
Note 4 Actual, weather normalized data through May. Forecast data beginning June.
Note 5 Column 6 of Meter Counts table times Column 5 of Use Per Meter table.

	Total Division Meter Counts						
	2021-2022	Compared to 2020-2021			Compared to 2019-2020		
	Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
Column	1	2	3	4	5	6	7
Reference	Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
Nov	1,265	1,281	-16	-1.2%	1,244	21	1.7%
Dec	1,260	1,276	-16	-1.3%	1,234	26	2.1%
Jan	1,259	1,275	-16	-1.3%	1,293	-34	-2.6%
Feb	1,256	1,272	-16	-1.3%	1,291	-35	-2.7%
Mar	1,263	1,279	-16	-1.3%	1,292	-29	-2.2%
Apr	1,296	1,312	-16	-1.2%	1,305	-9	-0.7%
May	1,304	1,320	-16	-1.2%	1,336	-32	-2.4%
Jun	1,317	1,333	-16	-1.2%	1,350	-33	-2.4%
Jul	1,316	1,332	-16	-1.2%	1,349	-33	-2.4%
Aug	1,318	1,334	-16	-1.2%	1,351	-33	-2.4%
Sep	1,306	1,322	-16	-1.2%	1,338	-32	-2.4%
Oct	1,284	1,300	-16	-1.2%	1,316	-32	-2.4%
Winter	1,267	1,283	-16	-1.2%	1,277	-10	-0.8%
Summer	1,308	1,324	-16	-1.2%	1,340	-33	-2.4%
Annual	1,287	1,303	-16	-1.2%	1,308	-21	-1.6%

Note 1 Company Forecast
Note 2 Actual data through April. Forecast data beginning June.
Note 3 Actual Data.

	Total Division Use Per Meter						
	2021-2022	Compared to 2020-2021			Compared to 2019-2020		
	Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
Column	1	2	3	4	5	6	7
Reference	Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
Nov	1.47	1.46	0.01	0.4%	1.39	0.08	5.8%
Dec	2.11	2.05	0.06	2.9%	2.08	0.03	1.3%
Jan	2.44	2.58	-0.13	-5.2%	2.35	0.10	4.1%
Feb	2.49	2.72	-0.22	-8.3%	2.42	0.07	3.0%
Mar	1.92	2.29	-0.37	-16.1%	2.03	-0.11	-5.3%
Apr	1.64	1.69	-0.05	-3.1%	1.70	-0.06	-3.6%
May	1.31	1.36	-0.05	-3.9%	1.40	-0.09	-6.2%
Jun	1.09	1.13	-0.04	-3.9%	1.09	0.00	-0.4%
Jul	0.97	1.01	-0.04	-3.9%	0.93	0.04	3.8%
Aug	0.92	0.96	-0.04	-3.9%	0.84	0.08	10.2%
Sep	0.96	0.99	-0.04	-3.9%	1.05	-0.09	-8.8%
Oct	1.01	1.05	-0.04	-3.9%	0.98	0.03	2.9%
Winter	12.06	12.77	-0.71	-5.6%	11.99	0.11	0.9%
Summer	6.25	6.50	-0.25	-3.9%	6.28	-0.03	-0.5%
Annual	18.22	19.18	-0.96	-5.0%	18.13	0.07	0.4%

Note 1 Column 1 of Billed Deliveries table divided by Column 1 of Meter Counts table.
Note 2 Column 2 of Billed Deliveries table divided by Column 2 of Meter Counts table.
Note 3 Column 7 of Billed Deliveries table divided by Column 5 of Meter Counts table.

Northern Utilities, Inc.
New Hampshire Division
Billed Distribution Service Volumes and Meter Counts

	Residential Heat Metered Deliveries (Dth)										
	2021-2022	2021-2022 Compared to 2020-2021					2021-2022 Compared to 2019-2020				
	Forecast	2020-2021 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern	2019-2020 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern
Column	1	2	3	4	5	6	7	8	9	10	11
Reference	Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(3-5)	Note 4.	(1-5)	(6/5)	Note 5.	(8-10)
Nov	152,046	148,118	3,928	2.7%	4,129	-201	144,623	7,423	5.1%	9,068	-1,644
Dec	259,212	249,123	10,089	4.0%	6,944	3,145	252,830	6,382	2.5%	16,744	-10,361
Jan	358,894	333,839	25,054	7.5%	9,297	15,757	325,777	33,116	10.2%	21,296	11,820
Feb	386,739	363,293	23,445	6.5%	10,108	13,338	359,118	27,621	7.7%	23,188	4,433
Mar	287,126	273,784	13,342	4.9%	7,585	5,757	269,023	18,103	6.7%	17,345	758
Apr	218,156	200,890	17,265	8.6%	5,571	11,694	200,431	17,725	8.8%	13,475	4,250
May	124,811	119,977	4,835	4.0%	3,323	1,512	132,059	-7,248	-5.5%	7,412	-14,659
Jun	61,437	59,013	2,424	4.1%	1,643	781	56,020	5,417	9.7%	3,160	2,256
Jul	39,664	38,089	1,575	4.1%	1,061	514	36,436	3,228	8.9%	2,057	1,172
Aug	35,409	34,000	1,409	4.1%	947	462	30,323	5,086	16.8%	1,713	3,374
Sep	38,017	36,505	1,512	4.1%	1,017	495	39,149	-1,132	-2.9%	2,211	-3,343
Oct	59,806	57,436	2,371	4.1%	1,602	768	55,366	4,440	8.0%	3,130	1,311
Winter	1,662,172	1,569,048	93,124	5.9%	43,634	49,491	1,551,802	110,370	7.1%	101,018	9,353
Summer	359,145	345,019	14,125	4.1%	9,593	4,532	349,353	9,792	2.8%	19,708	-9,916
Annual	2,021,317	1,914,067	107,250	5.6%	53,227	54,023	1,901,155	120,162	6.3%	115,469	4,693

Note 1 Company Forecast
Note 2 Actual, weather normalized data through April. Forecast data beginning June.
Note 3 Column 3 of Meter Counts table times Column 2 of Use Per Meter table.
Note 4 Actual, weather normalized data through May. Forecast data beginning June.
Note 5 Column 6 of Meter Counts table times Column 5 of Use Per Meter table.

	Total Division Meter Counts						
	2021-2022	Compared to 2020-2021			Compared to 2019-2020		
	Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
Column	1	2	3	4	5	6	7
Reference	Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
Nov	27,543	26,796	747	2.8%	25,918	1,625	6.3%
Dec	27,692	26,941	751	2.8%	25,972	1,720	6.6%
Jan	27,755	27,003	752	2.8%	26,052	1,703	6.5%
Feb	27,781	27,029	752	2.8%	26,096	1,685	6.5%
Mar	27,786	27,037	749	2.8%	26,103	1,683	6.4%
Apr	27,907	27,154	753	2.8%	26,149	1,758	6.7%
May	27,643	26,898	745	2.8%	26,174	1,469	5.6%
Jun	27,583	26,836	747	2.8%	26,110	1,473	5.6%
Jul	27,606	26,858	748	2.8%	26,131	1,475	5.6%
Aug	27,628	26,879	749	2.8%	26,151	1,477	5.6%
Sep	27,928	27,171	757	2.8%	26,435	1,493	5.6%
Oct	28,112	27,349	763	2.8%	26,608	1,504	5.7%
Winter	27,744	26,993	751	2.8%	26,048	1,696	6.5%
Summer	27,750	26,999	752	2.8%	26,268	1,482	5.6%
Annual	27,747	26,996	751	2.8%	26,158	1,589	6.1%

Note 1 Company Forecast
Note 2 Actual data through April. Forecast data beginning June.
Note 3 Actual Data.

	Total Division Use Per Meter						
	2021-2022	Compared to 2020-2021			Compared to 2019-2020		
	Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
Column	1	2	3	4	5	6	7
Reference	Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
Nov	5.52	5.53	-0.01	-0.1%	5.58	-0.06	-1.1%
Dec	9.36	9.25	0.11	1.2%	9.73	-0.37	-3.8%
Jan	12.93	12.36	0.57	4.6%	12.50	0.43	3.4%
Feb	13.92	13.44	0.48	3.6%	13.76	0.16	1.2%
Mar	10.33	10.13	0.21	2.0%	10.31	0.03	0.3%
Apr	7.82	7.40	0.42	5.7%	7.66	0.15	2.0%
May	4.52	4.46	0.05	1.2%	5.05	-0.53	-10.5%
Jun	2.23	2.20	0.03	1.3%	2.15	0.08	3.8%
Jul	1.44	1.42	0.02	1.3%	1.39	0.04	3.0%
Aug	1.28	1.26	0.02	1.3%	1.16	0.12	10.5%
Sep	1.36	1.34	0.02	1.3%	1.48	-0.12	-8.1%
Oct	2.13	2.10	0.03	1.3%	2.08	0.05	2.2%
Winter	59.91	58.13	1.78	3.1%	59.57	0.33	0.6%
Summer	12.94	12.78	0.16	1.3%	13.30	-0.36	-2.7%
Annual	72.85	70.90	1.95	2.7%	72.68	-0.03	0.0%

Note 1 Column 1 of Billed Deliveries table divided by Column 1 of Meter Counts table.
Note 2 Column 2 of Billed Deliveries table divided by Column 2 of Meter Counts table.
Note 3 Column 7 of Billed Deliveries table divided by Column 5 of Meter Counts table.

Northern Utilities, Inc.
New Hampshire Division
Billed Distribution Service Volumes and Meter Counts

	Total Division C&I Metered Deliveries (Dth)										
	2021-2022	2021-2022 Compared to 2020-2021					2021-2022 Compared to 2019-2020				
	Forecast	2020-2021 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern	2019-2020 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern
Column	1	2	3	4	5	6	7	8	9	10	11
Reference	Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(3-5)	Note 4.	(1-5)	(6/5)	Note 5.	(8-10)
Nov	588,334	556,208	32,125	5.8%	3,531	28,595	564,588	23,745	4.2%	12,209	11,537
Dec	750,211	722,398	27,813	3.9%	6,485	21,328	712,329	37,883	5.3%	16,620	21,263
Jan	938,753	858,289	80,464	9.4%	7,691	72,773	861,860	76,893	8.9%	21,703	55,190
Feb	945,597	889,659	55,938	6.3%	7,947	47,991	893,342	52,256	5.8%	24,244	28,012
Mar	818,081	775,715	42,366	5.5%	6,931	35,435	752,286	65,794	8.7%	22,183	43,612
Apr	656,830	609,698	47,132	7.7%	5,397	41,735	536,941	119,889	22.3%	14,201	105,688
May	504,803	461,348	43,455	9.4%	4,161	39,294	431,569	73,235	17.0%	9,385	63,850
Jun	383,684	365,854	17,829	4.9%	3,345	14,484	338,609	45,075	13.3%	6,502	38,573
Jul	360,351	345,153	15,198	4.4%	3,216	11,982	309,569	50,782	16.4%	4,853	45,930
Aug	364,392	349,872	14,520	4.2%	3,253	11,267	299,262	65,129	21.8%	4,681	60,448
Sep	369,186	354,974	14,212	4.0%	3,324	10,888	346,370	22,816	6.6%	5,524	17,291
Oct	444,722	428,066	16,656	3.9%	3,914	12,742	395,767	48,955	12.4%	6,164	42,791
Winter	4,697,806	4,411,968	285,839	6.5%	37,982	247,857	4,321,347	376,459	8.7%	110,359	266,101
Summer	2,427,137	2,305,267	121,870	5.3%	21,213	100,657	2,121,146	305,992	14.4%	36,680	269,311
Annual	7,124,944	6,717,235	407,709	6.1%	59,195	348,514	6,442,493	682,451	10.6%	138,206	544,245

Note 1 Company Forecast
Note 2 Actual, weather normalized data through April. Forecast data beginning June.
Note 3 Column 3 of Meter Counts table times Column 2 of Use Per Meter table.
Note 4 Actual, weather normalized data through May. Forecast data beginning June.
Note 5 Column 6 of Meter Counts table times Column 5 of Use Per Meter table.

	Total Division Meter Counts						
	2021-2022	Compared to 2020-2021			Compared to 2019-2020		
	Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
Column	1	2	3	4	5	6	7
Reference	Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
Nov	7,134	7,089	45	0.6%	6,983	151	2.2%
Dec	7,193	7,129	64	0.9%	7,029	164	2.3%
Jan	7,206	7,142	64	0.9%	7,029	177	2.5%
Feb	7,229	7,165	64	0.9%	7,038	191	2.7%
Mar	7,227	7,163	64	0.9%	7,020	207	2.9%
Apr	7,180	7,117	63	0.9%	6,995	185	2.6%
May	7,048	6,985	63	0.9%	6,898	150	2.2%
Jun	6,953	6,890	63	0.9%	6,822	131	1.9%
Jul	6,933	6,869	64	0.9%	6,826	107	1.6%
Aug	6,948	6,884	64	0.9%	6,841	107	1.6%
Sep	7,007	6,942	65	0.9%	6,897	110	1.6%
Oct	7,173	7,108	65	0.9%	7,063	110	1.6%
Winter	7,195	7,134	61	0.9%	7,016	179	2.6%
Summer	7,010	6,946	64	0.9%	6,891	119	1.7%
Annual	7,103	7,040	62	0.9%	6,953	149	2.1%

Note 1 Company Forecast
Note 2 Actual data through April. Forecast data beginning June.
Note 3 Actual Data.

	Total Division Use Per Meter						
	2021-2022	Compared to 2020-2021			Compared to 2019-2020		
	Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
Column	1	2	3	4	5	6	7
Reference	Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
Nov	82.47	78.46	4.01	5.1%	80.85	1.62	2.0%
Dec	104.30	101.33	2.97	2.9%	101.34	2.96	2.9%
Jan	130.27	120.17	10.10	8.4%	122.61	7.66	6.2%
Feb	130.81	124.17	6.64	5.3%	126.93	3.87	3.1%
Mar	113.20	108.29	4.90	4.5%	107.16	6.03	5.6%
Apr	91.48	85.67	5.81	6.8%	76.76	14.72	19.2%
May	71.62	66.05	5.58	8.4%	62.56	9.06	14.5%
Jun	55.18	53.10	2.08	3.9%	49.63	5.55	11.2%
Jul	51.98	50.25	1.73	3.4%	45.35	6.62	14.6%
Aug	52.45	50.82	1.62	3.2%	43.75	8.70	19.9%
Sep	52.69	51.13	1.55	3.0%	50.22	2.47	4.9%
Oct	62.00	60.22	1.78	2.9%	56.03	5.97	10.6%
Winter	652.94	618.43	34.51	5.6%	615.96	36.86	6.0%
Summer	346.22	331.87	14.35	4.3%	307.81	38.37	12.5%
Annual	1,003.15	954.12	49.03	5.1%	926.52	75.23	8.1%

Note 1 Column 1 of Billed Deliveries table divided by Column 1 of Meter Counts table.
Note 2 Column 2 of Billed Deliveries table divided by Column 2 of Meter Counts table.
Note 3 Column 7 of Billed Deliveries table divided by Column 5 of Meter Counts table.

Northern Utilities, Inc.
New Hampshire Division
Sales Service Deliveries Forecast by Rate Class

Forecast Calendar Month Sales Service Deliveries (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Total Division
Nov-21	2,036	221,484	112,857	11,832	82,895	19,614	15,211	5,390	0	471,318
Dec-21	2,920	317,676	161,872	16,971	118,898	28,132	20,363	5,213	0	672,045
Jan-22	3,417	371,797	189,449	19,862	139,154	32,925	25,566	5,859	0	788,030
Feb-22	2,933	319,078	162,586	17,046	119,422	28,256	22,475	5,663	0	677,460
Mar-22	2,500	272,023	138,609	14,532	101,811	24,089	20,030	5,832	0	579,426
Apr-22	1,472	160,114	81,586	8,554	59,926	14,179	14,481	5,343	0	345,654
May-22	1,761	77,414	29,330	14,616	31,016	21,996	9,354	5,274	0	190,761
Jun-22	1,150	50,568	19,159	9,547	20,260	14,368	6,083	4,588	0	125,725
Jul-22	972	42,733	16,191	8,068	17,121	12,142	5,374	4,819	0	107,420
Aug-22	986	43,338	16,420	8,182	17,363	12,314	5,440	4,999	0	109,042
Sep-22	1,094	48,090	18,220	9,080	19,267	13,664	6,562	4,834	0	120,812
Oct-22	2,206	97,002	36,752	18,314	38,864	27,562	10,915	5,327	0	236,943
Winter	15,277	1,662,172	846,960	88,798	622,105	147,195	118,126	33,300	0	3,533,933
Summer	8,169	359,145	136,073	67,808	143,892	102,047	43,729	29,841	0	890,703
Total	23,447	2,021,317	983,033	156,605	765,997	249,241	161,855	63,141	0	4,424,636

Forecast Calendar Month Distribution Service Deliveries (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Total Division
Nov-21	2,036	221,484	132,411	14,308	173,333	42,154	55,923	153,997	108,814	904,460
Dec-21	2,920	317,676	184,888	19,885	225,345	54,663	74,864	148,940	109,400	1,138,582
Jan-22	3,417	371,797	215,758	23,193	260,831	63,252	93,992	167,413	112,068	1,311,721
Feb-22	2,933	319,078	186,616	20,088	230,555	55,955	82,630	161,787	105,847	1,165,490
Mar-22	2,500	272,023	162,476	17,554	212,193	51,601	73,640	166,623	120,889	1,079,498
Apr-22	1,472	160,114	100,402	10,936	146,950	35,869	53,238	152,656	113,868	775,504
May-22	1,761	77,414	33,158	16,919	56,498	41,033	34,391	150,685	114,138	525,996
Jun-22	1,150	50,568	22,584	11,608	43,062	31,402	22,363	131,083	108,085	421,906
Jul-22	972	42,733	19,483	10,049	39,043	28,519	19,757	137,698	112,194	410,447
Aug-22	986	43,338	19,858	10,251	40,259	29,418	20,001	142,819	112,278	419,208
Sep-22	1,094	48,090	21,748	11,203	42,759	31,214	24,126	138,112	110,611	428,956
Oct-22	2,206	97,002	41,026	20,886	67,319	48,820	40,130	152,210	118,338	587,938
Winter	15,277	1,662,172	982,552	105,964	1,249,208	303,494	434,287	951,416	670,886	6,375,256
Summer	8,169	359,145	157,857	80,916	288,939	210,406	160,769	852,606	675,644	2,794,451
Total	23,447	2,021,317	1,140,409	186,880	1,538,147	513,900	595,055	1,804,022	1,346,530	9,169,707

Forecast Sales Service Percentage

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Total Division
Nov-21	100%	100%	85%	83%	48%	47%	27%	4%	0%	52%
Dec-21	100%	100%	88%	85%	53%	51%	27%	4%	0%	59%
Jan-22	100%	100%	88%	86%	53%	52%	27%	4%	0%	60%
Feb-22	100%	100%	87%	85%	52%	50%	27%	4%	0%	58%
Mar-22	100%	100%	85%	83%	48%	47%	27%	4%	0%	54%
Apr-22	100%	100%	81%	78%	41%	40%	27%	4%	0%	45%
May-22	100%	100%	88%	86%	55%	54%	27%	4%	0%	36%
Jun-22	100%	100%	85%	82%	47%	46%	27%	4%	0%	30%
Jul-22	100%	100%	83%	80%	44%	43%	27%	4%	0%	26%
Aug-22	100%	100%	83%	80%	43%	42%	27%	4%	0%	26%
Sep-22	100%	100%	84%	81%	45%	44%	27%	4%	0%	28%
Oct-22	100%	100%	90%	88%	58%	56%	27%	4%	0%	40%
Winter	100%	100%	86%	84%	50%	49%	27%	4%	0%	55%
Summer	100%	100%	86%	84%	50%	49%	27%	4%	0%	32%
Total	100%	100%	86%	84%	50%	49%	27%	4%	0%	48%

Northern Utilities, Inc.
New Hampshire Division
Sales Service Deliveries Forecast by Rate Class

Forecast Bill Month Sales Service Deliveries (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Total Division
Nov-21	1,859	152,046	71,747	10,663	65,802	20,132	15,211	5,390	0	342,850
Dec-21	2,658	259,212	129,015	13,367	100,279	24,261	20,363	5,213	0	554,368
Jan-22	3,075	358,894	189,730	17,484	132,778	27,980	25,566	5,859	0	761,365
Feb-22	3,131	386,739	201,973	18,067	139,670	28,617	22,475	5,663	0	806,334
Mar-22	2,430	287,126	148,549	15,786	106,303	25,365	20,030	5,832	0	611,422
Apr-22	2,125	218,156	105,946	13,431	77,274	20,839	14,481	5,343	0	457,594
May-22	1,709	124,811	53,710	11,269	45,627	18,533	9,354	5,274	0	270,287
Jun-22	1,433	61,437	21,702	11,455	23,758	17,266	6,083	4,588	0	147,721
Jul-22	1,276	39,664	12,329	11,228	15,126	15,825	5,374	4,819	0	105,641
Aug-22	1,213	35,409	11,618	11,339	14,049	16,526	5,440	4,999	0	100,593
Sep-22	1,247	38,017	13,399	11,599	16,955	15,960	6,562	4,834	0	108,572
Oct-22	1,291	59,806	23,315	10,919	28,377	17,937	10,915	5,327	0	157,888
Winter	15,277	1,662,172	846,960	88,798	622,105	147,195	118,126	33,300	0	3,533,933
Summer	8,169	359,145	136,073	67,808	143,892	102,047	43,729	29,841	0	890,703
Total	23,447	2,021,317	983,033	156,605	765,997	249,241	161,855	63,141	0	4,424,636

Forecast Bill Month Distribution Service Deliveries (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Total Division
Nov-21	1,859	152,046	83,233	12,724	132,132	41,510	55,923	153,997	108,814	742,238
Dec-21	2,658	259,212	149,670	15,951	201,364	50,023	74,864	148,940	109,400	1,012,081
Jan-22	3,075	358,894	220,104	20,864	266,622	57,690	93,992	167,413	112,068	1,300,722
Feb-22	3,131	386,739	234,307	21,560	280,461	59,005	82,630	161,787	105,847	1,335,467
Mar-22	2,430	287,126	172,331	18,838	213,461	52,299	73,640	166,623	120,889	1,107,637
Apr-22	2,125	218,156	122,907	16,027	155,168	42,967	53,238	152,656	113,868	877,111
May-22	1,709	124,811	62,308	13,447	91,621	38,213	34,391	150,685	114,138	631,324
Jun-22	1,433	61,437	25,177	13,669	47,706	35,600	22,363	131,083	108,085	446,553
Jul-22	1,276	39,664	14,303	13,398	30,373	32,629	19,757	137,698	112,194	401,291
Aug-22	1,213	35,409	13,478	13,531	28,211	34,074	20,001	142,819	112,278	401,013
Sep-22	1,247	38,017	15,544	13,841	34,046	32,906	24,126	138,112	110,611	408,450
Oct-22	1,291	59,806	27,047	13,030	56,982	36,984	40,130	152,210	118,338	505,819
Winter	15,277	1,662,172	982,552	105,964	1,249,208	303,494	434,287	951,416	670,886	6,375,256
Summer	8,169	359,145	157,857	80,916	288,939	210,406	160,769	852,606	675,644	2,794,451
Total	23,447	2,021,317	1,140,409	186,880	1,538,147	513,900	595,055	1,804,022	1,346,530	9,169,707

Forecast Sales Service Percentage

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Total Division
Nov-21	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	46.2%
Dec-21	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	54.8%
Jan-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	58.5%
Feb-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	60.4%
Mar-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	55.2%
Apr-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	52.2%
May-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	42.8%
Jun-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	33.1%
Jul-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	26.3%
Aug-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	25.1%
Sep-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	26.6%
Oct-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	31.2%
Winter	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	55.4%
Summer	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	31.9%
Total	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	48.3%

Northern Utilities, Inc.
New Hampshire Division
Forecast Total Billed Meters

Month	Res Non-Heat	Res Heat	G/T40	G/T50	G/T41	G/T51	G/T42	G/T52	Special Contracts	Total Division
Nov-21	1,220	26,228	5,059	815	727	278	34	33	3	34,397
Dec-21	1,210	26,264	5,097	819	732	278	34	32	3	34,469
Jan-22	1,268	26,349	5,097	818	733	278	34	32	3	34,612
Feb-22	1,266	26,391	5,104	820	732	278	35	32	3	34,661
Mar-22	1,267	26,399	5,085	822	731	278	35	32	3	34,652
Apr-22	1,280	26,442	5,055	829	729	278	35	32	3	34,683
May-22	1,261	26,321	4,989	835	668	281	30	33	3	34,421
Jun-22	1,265	26,219	4,880	830	667	281	30	33	3	34,208
Jul-22	1,261	26,054	4,834	828	666	282	30	33	3	33,991
Aug-22	1,261	26,062	4,817	826	664	282	30	33	3	33,978
Sep-22	1,242	26,232	4,822	826	678	290	30	33	3	34,156
Oct-22	1,213	26,489	4,938	822	728	281	33	33	3	34,540

Forecast Delivery Service Billed Meters

Month	Res Non-Heat	Res Heat	40	50	41	51	42	52	Special Contracts	Total Division
Nov-21	-	-	503	86	302	124	21	30	3	1,069
Dec-21	-	-	503	86	302	124	21	30	3	1,069
Jan-22	-	-	503	86	302	124	21	30	3	1,069
Feb-22	-	-	503	86	302	124	21	30	3	1,069
Mar-22	-	-	503	86	302	124	21	30	3	1,069
Apr-22	-	-	503	86	302	124	21	30	3	1,069
May-22	-	-	503	86	302	124	21	30	3	1,069
Jun-22	-	-	503	86	302	124	21	30	3	1,069
Jul-22	-	-	503	86	302	124	21	30	3	1,069
Aug-22	-	-	503	86	302	124	21	30	3	1,069
Sep-22	-	-	503	86	302	124	21	30	3	1,069
Oct-22	-	-	503	86	302	124	21	30	3	1,069

Forecast Sales Service Billed Meters

Month	Res Non-Heat	Res Heat	40	50	41	51	42	52	Special Contracts	Total Division
Nov-21	1,220	26,228	4,556	729	425	154	13	3	-	33,328
Dec-21	1,210	26,264	4,594	733	430	154	13	2	-	33,400
Jan-22	1,268	26,349	4,594	732	431	154	13	2	-	33,543
Feb-22	1,266	26,391	4,601	734	430	154	14	2	-	33,592
Mar-22	1,267	26,399	4,582	736	429	154	14	2	-	33,583
Apr-22	1,280	26,442	4,552	743	427	154	14	2	-	33,614
May-22	1,261	26,321	4,486	749	366	157	9	3	-	33,352
Jun-22	1,265	26,219	4,377	744	365	157	9	3	-	33,139
Jul-22	1,261	26,054	4,331	742	364	158	9	3	-	32,922
Aug-22	1,261	26,062	4,314	740	362	158	9	3	-	32,909
Sep-22	1,242	26,232	4,319	740	376	166	9	3	-	33,087
Oct-22	1,213	26,489	4,435	736	426	157	12	3	-	33,471

Northern Utilities, Inc.
New Hampshire Division
Estimation of Northern - New Hampshire City-Gate Sendout Requirement

Month	Sales Service Deliveries (Dth)	Company Gas Allowance (Percent)	Company Gas Allowance (LAUF and Company Use) (Dth)	Estimated Division Sales Service Sendout (Dth)	Estimated Company-Managed Sales	Total Estimated City-Gate Sendout Requirement
Nov-21	471,318	1.25%	5,966	477,284	23,850	501,134
Dec-21	672,045	1.25%	8,506	680,551	25,927	706,478
Jan-22	788,030	1.25%	9,975	798,005	30,414	828,419
Feb-22	677,460	1.25%	8,576	686,036	22,901	708,937
Mar-22	579,426	1.25%	7,335	586,761	24,645	611,406
Apr-22	345,654	1.25%	4,375	350,029	0	350,029
May-22	190,761	1.25%	2,415	193,176	0	193,176
Jun-22	125,725	1.25%	1,591	127,316	0	127,316
Jul-22	107,420	1.25%	1,360	108,780	0	108,780
Aug-22	109,042	1.25%	1,381	110,423	0	110,423
Sep-22	120,812	1.25%	1,529	122,341	0	122,341
Oct-22	236,943	1.25%	3,000	239,943	0	239,943
Winter	3,533,933	1.25%	44,733	3,578,666	127,737	3,706,403
Summer	890,703	1.25%	11,276	901,979	0	901,979
Annual	4,424,636	1.25%	56,009	4,480,645	127,737	4,608,382

Northern Utilities, Inc.
New Hampshire Division
Lost and Unaccounted For, Company Use and Therm Factor Data

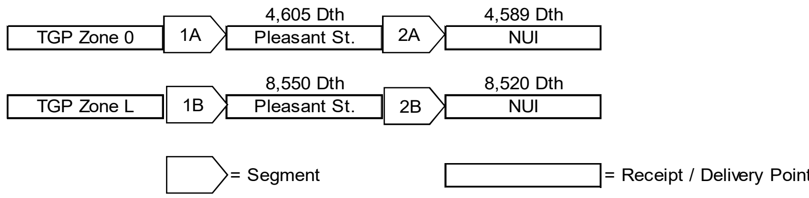
Month	GSGT - NH City-Gates (MCF)	Therm Factor	Total - NH City-Gate (Dth)	Total System Billed Sales (Dth)	Company Use (Dth)	Lost and Unaccounted For (Dth)	Company Gas Allowance (Dth)
May-17	505,254	1.0276	519,184	568,537	74	(49,427)	(49,353)
Jun-17	367,334	1.0280	377,630	385,479	56	(7,905)	(7,849)
Jul-17	339,837	1.0256	348,547	387,504	59	(39,016)	(38,957)
Aug-17	361,673	1.0280	371,789	366,064	62	5,663	5,725
Sep-17	357,543	1.0278	367,472	356,844	56	10,572	10,628
Oct-17	446,927	1.0284	459,625	427,725	32	31,868	31,900
Nov-17	794,934	1.0307	819,307	581,080	71	238,156	238,227
Dec-17	1,205,148	1.0339	1,245,942	1,003,583	209	242,150	242,359
Jan-18	1,274,596	1.0394	1,324,764	1,403,452	373	(79,061)	(78,688)
Feb-18	936,704	1.0340	968,580	1,110,067	270	(141,757)	(141,487)
Mar-18	999,035	1.0334	1,032,433	998,242	239	33,952	34,191
Apr-18	766,729	1.0318	791,111	889,669	211	(98,769)	(98,558)
May-18	443,025	1.0283	455,580	574,552	108	(119,080)	(118,972)
Jun-18	369,548	1.0292	380,339	409,352	40	(29,053)	(29,013)
Jul-18	351,086	1.0289	361,236	352,762	92	8,382	8,474
Aug-18	363,051	1.0284	373,373	369,837	131	3,406	3,537
Sep-18	378,195	1.0276	388,633	370,269	131	18,233	18,364
Oct-18	628,317	1.0303	647,361	485,553	100	161,708	161,808
Nov-18	923,290	1.0336	954,321	765,985	142	188,194	188,336
Dec-18	1,057,440	1.0382	1,097,877	1,067,650	207	30,020	30,227
Jan-19	1,259,492	1.0431	1,313,764	1,200,221	254	113,289	113,543
Feb-19	1,109,150	1.0375	1,150,732	1,229,927	257	(79,452)	(79,195)
Mar-19	1,008,861	1.0347	1,043,849	1,147,817	251	(104,219)	(103,968)
Apr-19	681,738	1.0309	702,824	843,446	173	(140,795)	(140,622)
May-19	545,305	1.0288	560,999	632,151	100	(71,252)	(71,152)
Jun-19	388,772	1.0290	400,027	430,401	58	(30,432)	(30,374)
Jul-19	365,810	1.0287	376,320	391,025	83	(14,788)	(14,705)
Aug-19	374,614	1.0280	385,103	380,773	140	4,190	4,330
Sep-19	394,298	1.0283	405,449	375,182	100	30,168	30,268
Oct-19	534,087	1.0295	549,837	485,413	89	64,335	64,424
Nov-19	930,426	1.0352	963,214	698,186	84	264,945	265,029
Dec-19	1,075,165	1.0460	1,124,591	1,016,439	240	107,912	108,152
Jan-20	1,077,141	1.0437	1,124,212	1,130,011	294	(6,093)	(5,799)
Feb-20	1,041,031	1.0434	1,086,254	1,133,789	289	(47,824)	(47,535)
Mar-20	839,434	1.0376	871,030	1,005,451	257	(134,678)	(134,421)
Apr-20	651,269	1.0343	673,594	707,067	180	(33,653)	(33,473)
May-20	441,527	1.0303	454,923	565,494	141	(110,712)	(110,571)
Jun-20	344,089	1.0300	354,401	396,103	60	(41,762)	(41,702)
Jul-20	332,377	1.0285	341,836	347,265	64	(5,493)	(5,429)
Aug-20	341,582	1.0299	351,806	330,714	89	21,003	21,092
Sep-20	387,752	1.0284	398,768	386,921	118	11,729	11,847
Oct-20	569,808	1.0286	586,110	452,419	61	133,631	133,691
Nov-20	740,493	1.0331	765,011	649,932	98	114,981	115,079
Dec-20	1,058,690	1.0409	1,101,990	928,725	171	173,094	173,265
Jan-21	1,172,543	1.0407	1,220,219	1,116,107	263	103,849	104,112
Feb-21	1,086,893	1.0402	1,130,630	1,198,238	328	(67,936)	(67,608)
Mar-21	942,363	1.0334	973,866	1,164,215	327	(190,676)	(190,349)
Apr-21	652,284	1.0292	671,331	720,559	162	(49,390)	(49,228)
Total	33,216,660	1.0347	34,367,794	33,938,194	7,395	422,205	429,600
48-Month Average					0.02%	1.23%	1.25%

Table 3. Northern Capacity Summary (Dth/Day)

Pipeline Capacity Paths	
Tennessee Zone 0 and Zone L Pools	13,109
Tennessee Niagara	2,327
Iroquois Receipts	6,434
Leidy Hub Supply (Texas Eastern, Algonquin)	965
Transco Zone 6, non-NY Supply (Algonquin)	286
PXP Dawn Hub	9,965
Atlantic Bridge Ramapo	7,500
Total Pipeline Capacity	40,586
Storage Capacity Paths	
Tennessee Firm Storage	2,644
Dawn Hub Storage	39,863
Total Storage Capacity	42,507
Peaking Capacity Paths	
LNG - On-System	6,500
PNGTS Delivered Baseload (Dec-Feb)	2,491
Peaking Contract 1	39,860
Peaking Contract 2	9,965
Additional Granite Capacity	935
Total Peaking Capacity	59,751
Total Design Day Capacity	142,844

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Tennessee Zone 0 100 Leg, Zone L 500 and 800 Leg Pools

Capacity Path Diagram



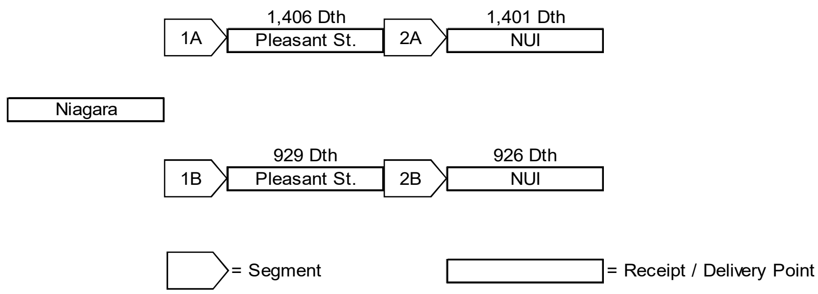
Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1A[1]	Transportation	Tennessee	5083	FT-A	10/31/2023	4,605	Dth	Year-Round	Zone 0, 100 Leg	Pleasant St.	Granite
2A	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	4,589	Dth	Year-Round	Granite	Northern City Gates	
1B[1]	Transportation	Tennessee	5083	FT-A	10/31/2023	8,550	Dth	Year-Round	Zone L, 500 & 800 Legs	Pleasant St.	Granite
2B	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	8,520	Dth	Year-Round	Granite	Northern City Gates	
Total Path Deliverable						13,109	Dth				

Note 1: Tennessee Contract No. 5083 also allows for firm delivery rights to Bay State Gas city gates. As such, Tennessee Production could also be delivered to Northern City Gates via the Bay State Exchange.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Niagara (Interconnection of TransCanada and Tennessee Pipelines)

Capacity Path Diagram

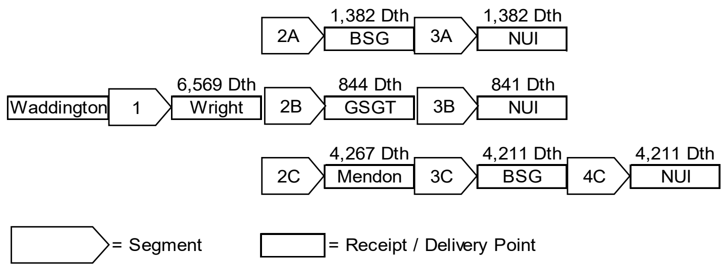


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1A	Transportation	Tennessee	5292	FT-A	3/31/2025	1,406	Dth	Year-Round	Niagara	Pleasant St.	Granite
2A	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	1,401	Dth	Year-Round	Granite	Northern City Gates	
1B	Transportation	Tennessee	39735	FT-A	3/31/2025	929	Dth	Year-Round	Niagara	Pleasant St.	Granite
2B	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	926	Dth	Year-Round	Granite	Northern City Gates	
Total Path Deliverable						2,327	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Iroquois Receipts

Capacity Path Diagram

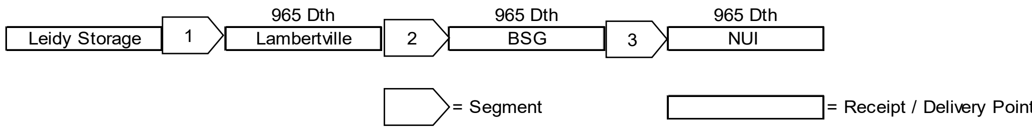


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Transportation	Iroquois	R181003	RTS-1	10/31/2024	6,569	Dth	Year-Round	Waddington	Wright	Tennessee
2A	Transportation	Tennessee	95196	FT-A	10/31/2022	1,382	Dth	Year-Round	Wright	Bay State City Gate	
3A	Exchange	Bay State Gas	NA	NA	Renewal Clause	1,382	Dth	Year-Round	Bay State City Gate	Northern City Gates	
2B	Transportation	Tennessee	95196	FT-A	10/31/2022	844	Dth	Year-Round	Wright	Pleasant St.	Granite
3B	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	841	Dth	Year-Round	Granite	Northern City Gates	
2C	Transportation	Tennessee	41099	FT-A	10/31/2022	4,267	Dth	Year-Round	Wright	Mendon	Algonquin
3C	Transportation	Algonquin	93200F	AFT-1	10/31/2022	4,211	Dth	Year-Round	Mendon	Bay State City Gate	
4C	Exchange	Bay State Gas	NA	NA	Renewal Clause	4,211	Dth	Year-Round	Bay State City Gate	Northern City Gates	
Total Path Deliverable						6,434	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Algonquin Receipt Points

Capacity Path Diagram

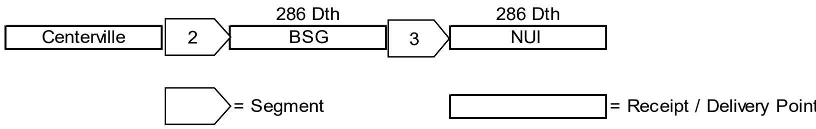


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Transportation	Texas Eastern	800384	FT-1	10/31/2022	965	Dth	Year-Round	Leidy Storage	Lambertville, NJ	Algonquin
2	Transportation	Algonquin	93201A1C	AFT-1 (F-2/F-3)	10/31/2022	965	Dth	Year-Round	Lambertville, NJ	Bay State City Gate	
3	Exchange	Bay State Gas	NA	NA	Renewal Clause	965	Dth	Year-Round	Bay State City Gate	Northern City Gates	
Total Path Deliverable						965	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Algonquin Receipt Points

Capacity Path Diagram

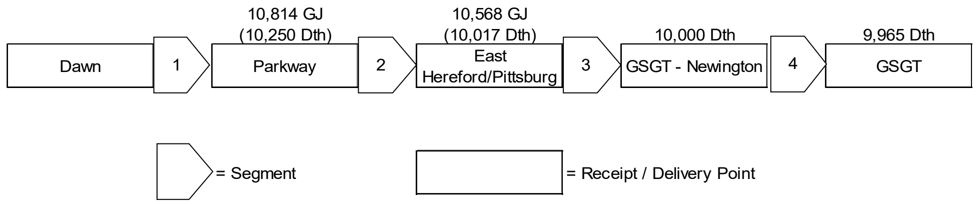


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Transportation	Algonquin	93201A1C	AFT-1 (F-2/F-3)	10/31/2022	286	Dth	Year-Round	Centerville, NJ	Bay State City Gate	
2	Exchange	Bay State Gas	NA	NA	Renewal Clause	286	Dth	Year-Round	Bay State City Gate	Northern City Gates	
Total Path Deliverable						286	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: PXP Dawn Hub

Capacity Path Diagram

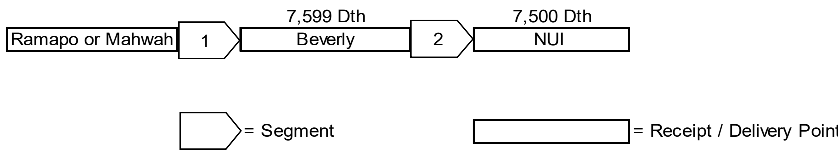


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Transportation	Union	M12296	M12	10/31/2040	10,814	GJ	Year-Round	Dawn	Parkway	TransCanada
2	Transportation	TransCanada	63265	FT	10/31/2040	10,568	GJ	Year-Round	Parkway	East Hereford	PNGTS
3	Transportation	PNGTS	23339	FT	10/31/2040	10,000	Dth	Year-Round	Pittsburg, NH	Newington, NH	Granite
4	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	9,965	Dth	Year-Round	Newington, NH	Northern City Gates	
Total Path Deliverable						9,965	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Atlantic Bridge Ramapo

Capacity Path Diagram

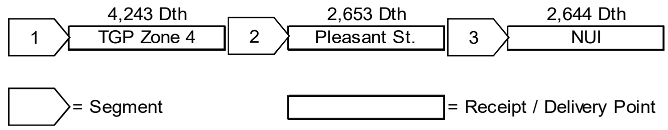


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Transportation	Algonquin	510939	FT	2/11/2036	7,599	Dth	Year-Round	Ramapo or Mawhah	Beverly, MA	Maritimes
2	Transportation	Maritimes	210363	FT	2/11/2036	7,500	Dth	Year-Round	Beverly, MA	Northern City Gates	
Total Path Deliverable						7,500	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Tennessee Firm Storage - Market Area

Capacity Path Diagram



Capacity Path Detail

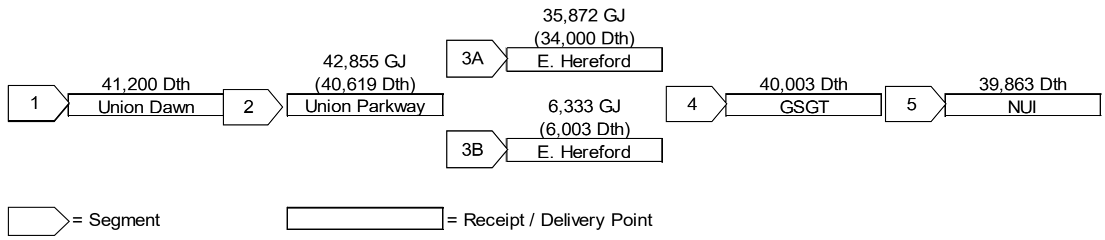
Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1[1]	Storage	Tennessee	5195	FS-MA	3/31/2025	4,243	Dth	Year-Round	NA	TGP Zone 4	Tennessee
2[2]	Transportation	Tennessee	5265	FT-A	3/31/2025	2,653	Dth	Year-Round	TGP Zone 4	Pleasant St.	Granite
3	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	2,644	Dth	Year-Round	Pleasant St.	Northern City Gates	
Total Path Deliverable						2,644	Dth				

Note 1: Tennessee Contract No. 5195 has a maximum storage quantity of 259,337 Dth.

Note 2: Tennessee Contract No. 5265 also allows for firm delivery rights to Bay State Gas city gates. As such, Tennessee Firm Storage could also be delivered to Northern City Gates via the Bay State Exchange.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Union Dawn Storage

Capacity Path Diagram

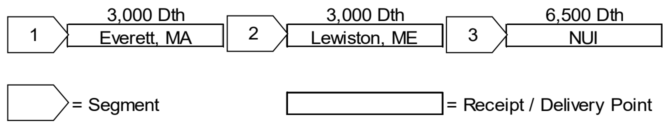


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Storage	Union	LST086	Firm Storage (MDWD)	3/31/2023	43,468	GJ	Year-Round	NA	Dawn	Union
1	Storage	Union	LST086	Firm Storage (MSB)	3/31/2023	4,220,224	GJ	Year-Round	NA	Dawn	
1	Storage	Union	LST086	Firm Storage (MDID)	3/31/2023	31,652	GJ	Year-Round	NA	Dawn	
2	Transportation	Union	M12256	M12	10/31/2033	42,962	GJ	Year-Round	Dawn	Parkway	TransCanada
3A	Transportation	TransCanada	57901	FT	3/31/2033	35,872	GJ	Year-Round	Parkway	East Hereford	PNGTS
3B	Transportation	TransCanada	57055	FT	10/31/2032	6,333	GJ	Year-Round	Parkway	East Hereford	PNGTS
4	Transportation	PNGTS	208543	FT	11/30/2032	40,003	Dth	Year-Round	Pittsburg, NH	Newington, NH	Granite
5	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	39,863	Dth	Year-Round	Newington, NH	Northern City Gates	
Total Path Deliverable						39,863	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Lewiston LNG Plant

Capacity Path Diagram



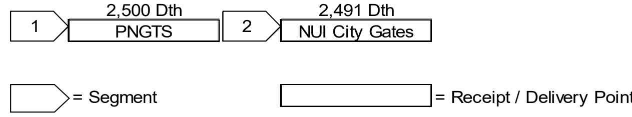
Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1[1]	LNG Contract	Confidential	NA	NA	10/31/2022	3,000	Dth	Year-Round	NA		NA
2	LNG Trucking Contract	Confidential			10/31/2022	3,000	Dth	Year-Round		Lewiston, ME	NA
3	Lewiston LNG Plant	N/A	NA	NA	N/A	6,500	Dth	Year-Round	Lewiston, ME	Northern Distribution System	
Total Path Deliverable						6,500	Dth				

Note 1: The LNG Contract allows Northern to nominate up to 3,000 Dth per day (3 trucks) with an annual maximum take equal to 75,000 Dth.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: PNGTS Delivered Supply (Dec-Feb)

Capacity Path Diagram

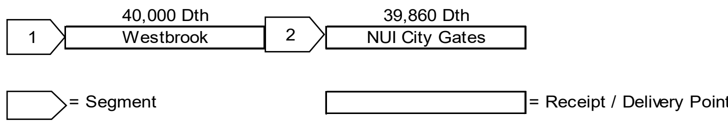


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1[1]	Peaking Supply	Confidential	NA	NA	2/28/2022	2,500	Dth	Winter Only (Dec - Feb)	NA	PNGTS	Granite or Northern City Gates
2	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	2,491	Dth	Year-Round	PNGTS	Northern City Gates	
Total Path Deliverable						2,491	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Peaking Contract 1

Capacity Path Diagram



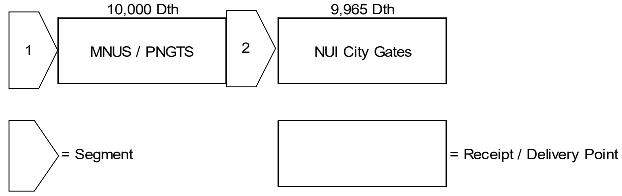
Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1[1]	Peaking Supply	Confidential	NA	NA	3/31/2024	40,000	Dth	Winter Only (Nov - Mar)	NA	Westbrook or Lewiston	Granite or Northern City Gates
2	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	39,860	Dth	Year-Round	Westbrook or Lewiston	Northern City Gates	
Total Path Deliverable						39,860	Dth				

Note 1: Peaking Contract 1 allows Northern to nominate up to 40,000 Dth per Day and up to 600,000 Dth from November through March with takes above 30,000 Dth per Day capped at 50,000 Dth. Contract volumes may also be delivered to NUI - Lewiston in which case no Granite capacity is utilized.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Peaking Contract 2

Capacity Path Diagram



Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1[1]	Peaking Supply	Confidential	NA	NA	3/31/2022	10,000	Dth	Winter Only (Nov - Mar)	NA	MNUS / PNGTS	Granite or Northern City Gates
2	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	9,965	Dth	Year-Round	MNUS / PNGTS	Northern City Gates	
Total Path Deliverable						9,965	Dth				

Note 1: Peaking Contract 2 allows Northern to nominate up to 10,000 Dth per Day and up to 300,000 Dth from November through March. Contract volumes may also be delivered to NUI - Lewiston in which case no Granite capacity is utilized.

Northern Utilities, Inc. Estimated Gas Supply Demand Costs November 1, 2021 through October 31, 2022			
Line	Description	Estimate	Reference
1.	Pipeline Demand Costs	$ 17,953,274	Page 3 - Pipeline Allocated Cost
2.	Storage Allocated Pipeline Demand Costs	$ 22,032,867	Page 3 - Storage Allocated Cost
3.	Storage Demand Costs	$ 2,959,638	Page 4 - Annual Fixed Charges
4.	Peaking Allocated Pipeline Demand Costs	$ 2,216,171	Page 3 - Peaking Allocated Cost
5.	Peaking Contract Costs	$ 11,397,667	Page 5, Annual Fixed Charges
6.	Asset Management and Capacity Release Revenue	$ (9,902,100)	Page 6 - Total Asset Management and Capacity Release Revenue
7.	Total Demand Costs	$ 46,657,517	Sum Lines 1 through 6.

Northern Utilities, Inc.
Pipeline Contract Demand Cost Estimates
November 1, 2021 through October 31, 2022

Capacity Path	Segment	Pipeline	Contract ID	Rate	Negotiated Rate	Maximum Daily Quantity (Dth)	Monthly Demand Rate ($/MDQ)	Months Per Year	Reference (Att NUI-FXW-9, Page 2)	Monthly Demand	Annual Demand
Tennessee Zone 0/L Pools	1A	Tennessee	5083	FT-A	No	4,605	$ 19.9192	12	Line 8	$ 91,728	$ 1,100,735
Tennessee Zone 0/L Pools	2A	Granite	19-100-FT-NN	FT-NN	No	4,589	$ 5.9096	12	Line 3	$ 27,119	$ 325,430
Tennessee Zone 0/L Pools	1B	Tennessee	5083	FT-A	No	8,550	$ 17.6842	12	Line 9	$ 151,200	$ 1,814,399
Tennessee Zone 0/L Pools	2B	Granite	19-100-FT-NN	FT-NN	No	8,520	$ 5.9096	12	Line 3	$ 50,350	$ 604,198
Tennessee Niagara	1A	Tennessee	5292	FT-A	No	1,406	$ 6.1560	12	Line 11	$ 8,655	$ 103,864
Tennessee Niagara	2A	Granite	19-100-FT-NN	FT-NN	No	1,401	$ 5.9096	12	Line 3	$ 8,279	$ 99,352
Tennessee Niagara	1B	Tennessee	39735	FT-A	No	929	$ 6.1560	12	Line 11	$ 5,719	$ 68,627
Tennessee Niagara	2B	Granite	19-100-FT-NN	FT-NN	No	926	$ 6.1560	12	Line 3	$ 5,700	$ 68,405
Iroquois Receipts	1	Iroquois	181003	RTS-1	No	5,715	$ 5.2357	12	Line 4	$ 29,922	$ 359,064
Iroquois Receipts	1	Iroquois	181003	RTS-1	No	854	$ 5.2357	12	Line 4	$ 4,471	$ 53,655
Iroquois Receipts	2A	Tennessee	95196	FT-A	No	1,382	$ 6.1560	12	Line 11	$ 8,508	$ 102,091
Iroquois Receipts	2B	Tennessee	95196	FT-A	No	844	$ 6.1560	12	Line 11	$ 5,196	$ 62,348
Iroquois Receipts	3B	Granite	19-100-FT-NN	FT-NN	No	841	$ 5.9096	12	Line 3	$ 4,970	$ 59,640
Iroquois Receipts	2C	Tennessee	41099	FT-A	No	4,267	$ 6.1560	12	Line 11	$ 26,268	$ 315,212
Iroquois Receipts	3C	Algonquin	93002F	AFT-1	No	4,211	$ 8.5927	12	Line 1	$ 36,184	$ 434,206
Leidy Hub	1	Texas Eastern	800384	FT-1	No	965	$ 7.0660	12	Line 12	$ 6,819	$ 81,824
Leidy Hub	2	Algonquin	93201A1C	AFT-1	No	965	$ 8.5927	12	Line 1	$ 8,292	$ 99,503
Transco Zone 6, non-NY	1	Algonquin	93201A1C	AFT-1	No	286	$ 8.5927	12	Line 1	$ 2,458	$ 29,490
PXP Dawn Hub	1	Union	M12296	M12	No	10,250	$ 3.0942	12	Line 14	$ 31,716	$ 380,587
PXP Dawn Hub	2	TransCanada	63265	FT	No	10,017	$ 17.7546	12	Line 13	$ 177,848	$ 2,134,174
PXP Dawn Hub	3	PNGTS	233320	FT (PXP)	Yes	10,000	$ 22.8125	12	Line 7	$ 228,125	$ 2,737,500
PXP Dawn Hub	4	Granite	19-100-FT-NN	FT-NN	No	9,965	$ 5.9096	12	Line 3	$ 58,889	$ 706,670
Atlantic Bridge	1	Algonquin	510939	AFT	Yes	7,599	$ 54.9173	12	Line 2	$ 417,317	$ 5,007,799
Atlantic Bridge	2	Maritimes	210363	MN365	Yes	7,500	$ 13.3833	12	Line 5	$ 100,375	$ 1,204,500
Tennessee Firm Storage	2	Tennessee	5265	FT-A	No	2,653	$ 7.0053	12	Line 10	$ 18,585	$ 223,021
Tennessee Firm Storage	3	Granite	19-100-FT-NN	FT-NN	No	2,644	$ 5.9096	12	Line 3	$ 15,625	$ 187,500
Union Dawn Storage	2	Union	M12256	M12	No	40,720	$ 3.0942	12	Line 14	$ 125,996	$ 1,511,950
Union Dawn Storage	3A	TransCanada	57901	FT	No	34,000	$ 17.7546	12	Line 13	$ 603,656	$ 7,243,877
Union Dawn Storage	3B	TransCanada	57055	FT	No	6,003	$ 17.7546	12	Line 13	$ 106,581	$ 1,278,970
Union Dawn Storage	4	PNGTS	208543	FT (C2C)	Yes	40,003	$ 18.2500	12	Line 6	$ 730,055	$ 8,760,657
Union Dawn Storage	5	Granite	19-100-FT-NN	FT-NN	No	39,863	$ 5.9096	12	Line 3	$ 235,574	$ 2,826,893
Peaking Capacity (Nov-Oct)	N/A	Granite	19-100-FT-NN	FT-NN	No	9,251	$ 5.9096	12	Line 3	$ 54,670	$ 656,037
Peaking Capacity (Nov-Apr)	N/A	Granite	19-100-FT-NN	FT-NN	No	44,000	$ 5.9096	6	Line 3	$ 260,022	$ 1,560,134
Total Annual Demand Costs											$ 42,202,312

Northern Utilities, Inc.
PIpeline Contract Demand Cost Allocations
November 1, 2021 through October 31, 2022

Capacity Path	Segment	Pipeline	Contract ID	MDQ	Pipeline MDQ	Storage MDQ	Peaking MDQ	Annual Demand	Annual Pipeline Allocated Cost	Annual Storage Allocated Cost	Annual Peaking Allocated Cost
Tennessee Zone 0/L Pools	1A	Tennessee	5083	4,605	4,605	-	-	$ 1,100,735	$ 1,100,735	$ -	$ -
Tennessee Zone 0/L Pools	2A	Granite	19-100-FT-NN	4,589	4,589	-	-	$ 325,430	$ 325,430	$ -	$ -
Tennessee Zone 0/L Pools	1B	Tennessee	5083	8,550	8,550	-	-	$ 1,814,399	$ 1,814,399	$ -	$ -
Tennessee Zone 0/L Pools	2B	Granite	19-100-FT-NN	8,520	8,520	-	-	$ 604,198	$ 604,198	$ -	$ -
Tennessee Niagara	1A	Tennessee	5292	1,406	1,406	-	-	$ 103,864	$ 103,864	$ -	$ -
Tennessee Niagara	2A	Granite	19-100-FT-NN	1,401	1,401	-	-	$ 99,352	$ 99,352	$ -	$ -
Tennessee Niagara	1B	Tennessee	39735	929	929	-	-	$ 68,627	$ 68,627	$ -	$ -
Tennessee Niagara	2B	Granite	19-100-FT-NN	926	926	-	-	$ 68,405	$ 68,405	$ -	$ -
Iroquois Receipts	1	Iroquois	181003	5,715	5,715	-	-	$ 359,064	$ 359,064	$ -	$ -
Iroquois Receipts	1	Iroquois	181003	854	854	-	-	$ 53,655	$ 53,655	$ -	$ -
Iroquois Receipts	2A	Tennessee	95196	1,382	1,382	-	-	$ 102,091	$ 102,091	$ -	$ -
Iroquois Receipts	2B	Tennessee	95196	844	844	-	-	$ 62,348	$ 62,348	$ -	$ -
Iroquois Receipts	3B	Granite	19-100-FT-NN	841	841	-	-	$ 59,640	$ 59,640	$ -	$ -
Iroquois Receipts	2C	Tennessee	41099	4,267	4,267	-	-	$ 315,212	$ 315,212	$ -	$ -
Iroquois Receipts	3C	Algonquin	93002F	4,211	4,211	-	-	$ 434,206	$ 434,206	$ -	$ -
Leidy Hub	1	Texas Eastern	800384	965	965	-	-	$ 81,824	$ 81,824	$ -	$ -
Leidy Hub	2	Algonquin	93201A1C	965	965	-	-	$ 99,503	$ 99,503	$ -	$ -
Transco Zone 6, non-NY	1	Algonquin	93201A1C	286	286	-	-	$ 29,490	$ 29,490	$ -	$ -
PXP Dawn Hub	1	Union	M12296	10,250	10,250	-	-	$ 380,587	$ 380,587	$ -	$ -
PXP Dawn Hub	2	TransCanada	63265	10,017	10,017	-	-	$ 2,134,174	$ 2,134,174	$ -	$ -
PXP Dawn Hub	3	PNGTS	233320	10,000	10,000	-	-	$ 2,737,500	$ 2,737,500	$ -	$ -
PXP Dawn Hub	4	Granite	19-100-FT-NN	9,965	9,965	-	-	$ 706,670	$ 706,670	$ -	$ -
Atlantic Bridge	1	Algonquin	510939	7,599	7,599	-	-	$ 5,007,799	$ 5,007,799	$ -	$ -
Atlantic Bridge	2	Maritimes	210363	7,500	7,500	-	-	$ 1,204,500	$ 1,204,500	$ -	$ -
Tennessee Firm Storage	2	Tennessee	5265	2,653	-	2,653	-	$ 223,021	$ -	$ 223,021	$ -
Tennessee Firm Storage	3	Granite	19-100-FT-NN	2,644	-	2,644	-	$ 187,500	$ -	$ 187,500	$ -
Union Dawn Storage	2	Union	M12256	40,720	-	40,720	-	$ 1,511,950	$ -	$ 1,511,950	$ -
Union Dawn Storage	3A	TransCanada	57901	34,000	-	34,000	-	$ 7,243,877	$ -	$ 7,243,877	$ -
Union Dawn Storage	3B	TransCanada	57055	6,003	-	6,003	-	$ 1,278,970	$ -	$ 1,278,970	$ -
Union Dawn Storage	4	PNGTS	208543	40,003	-	40,003	-	$ 8,760,657	$ -	$ 8,760,657	$ -
Union Dawn Storage	5	Granite	19-100-FT-NN	39,863	-	39,863	-	$ 2,826,893	$ -	$ 2,826,893	$ -
Peaking Capacity (Nov-Oct)	N/A	Granite	19-100-FT-NN	9,251	-	-	26,216	$ 656,037	$ -	$ -	$ 656,037
Peaking Capacity (Nov-Apr)	N/A	Granite	19-100-FT-NN	44,000	-	-	30,000	$ 1,560,134	$ -	$ -	$ 1,560,134
Total Annual Demand Costs								$ 42,202,312	$ 17,953,274	$ 22,032,867	$ 2,216,171

Northern Utilities, Inc.
Storage Contract Demand Cost Estimates
November 1, 2021 through October 31, 2022

Vendor	Contract ID	Rate	Negotiated	MSQ (Dth)	MDWQ	Space Rate	Demand Rate	Months Per Year	Reference (Att NUI-FXW-10, Page 2)	Annual Space Charge	Annual Demand Charge	Annual Fixed Charges
Tennessee	5195	FS-MA	No	259,337	4,243	$ 0.0175	$ 1.2801	12	Line 1	$ 54,461	$ 65,178	$ 119,638
Union	LST086	Storage	Yes	4,000,000	41,200	$ 0.0592		12	Line 2	$ 2,840,000		$ 2,840,000

Total Annual Fixed Charges $ 2,959,638

MSQ = Maximum Space Quantity
MDWQ = Maximum Daily Withdrawal Quantity

Northern Utilities, Inc.
Peaking Contract Demand Cost Estimates
November 1, 2021 through October 31, 2022

Denotes Confidential Information

Resource	Supplier	Contract Quantity	Maximum Daily Quantity	Months per Year	Annual Fixed Charges
LNG Contract	[redacted]	75,000	5,000	5	[redacted]
Peaking Contract 1		600,000	40,000	5	
Total Peaking Supply Contract Demand Costs					$ 11,397,667

Northern Utilities, Inc.
Asset Management and Capacity Release Revenue Projections
November 1, 2021 through October 31, 2022

Denotes Confidential Information

Capacity Path	Projected Revenue
Tennessee Zone 0/L Pools	[redacted]
Tennessee Niagara	
Iroquois Receipts	
Leidy Hub & Transco Zone 6, non-NY	
Atlantic Bridge	
Union Dawn Storage & PXP Dawn Hub	
Total Asset Management	$ (9,902,100)

Northern Utilities, Inc. New Hampshire Division Retail Marketer Capacity Assignment Revenue Projections November 2021 through October 2022		
Item	Revenue	Reference
Pipeline Contract Capacity Assignment	$ (4,477,852)	Page 2
Storage Contract Capacity Assignment	$ (291,946)	Page 3
On-System Peaking Service Demand	$ (276,318)	Page 4
Asset Management Revenue Assigned to Retail Suppliers	$ 33,381	Page 5
Total Division Capacity Assignment Demand Revenue	$ (5,012,735)	Sum of Items Above

Northern Utilities, Inc.
New Hampshire Division Pipeline Capacity Assignment Estimates
November 2021 through October 2022

Capacity Path	Segment	Pipeline	Contract ID	Pipeline Allocated Cost	Storage Allocated Cost	Peaking Allocated Cost	Capacity Assigned? (Y/N)	Assigned Pipeline MDQ	Assigned Storage MDQ	Assigned Peaking MDQ	Assigned Pipeline Credits	Assigned Storage Credits	Assigned Peaking Credits	NH Annual Cap Assign Credit
Tennessee Zone 0/L Pools	1A	Tennessee	5083	$ 1,100,735	$ -	$ -	Y	(535)	-	-	$ (127,881)	$ -	$ -	$ (127,881)
Tennessee Zone 0/L Pools	2A	Granite	19-100-FT-NN	$ 325,430	$ -	$ -	Y	(533)	-	-	$ (37,798)	$ -	$ -	$ (37,798)
Tennessee Zone 0/L Pools	1B	Tennessee	5083	$ 1,814,399	$ -	$ -	Y	(993)	-	-	$ (210,725)	$ -	$ -	$ (210,725)
Tennessee Zone 0/L Pools	2B	Granite	19-100-FT-NN	$ 604,198	$ -	$ -	Y	(990)	-	-	$ (70,206)	$ -	$ -	$ (70,206)
Tennessee Niagara	1A	Tennessee	5292	$ 103,864	$ -	$ -	Y	(163)	-	-	$ (12,041)	$ -	$ -	$ (12,041)
Tennessee Niagara	2A	Granite	19-100-FT-NN	$ 99,352	$ -	$ -	Y	(163)	-	-	$ (11,559)	$ -	$ -	$ (11,559)
Tennessee Niagara	1B	Tennessee	39735	$ 68,627	$ -	$ -	Y	(108)	-	-	$ (7,978)	$ -	$ -	$ (7,978)
Tennessee Niagara	2B	Granite	19-100-FT-NN	$ 68,405	$ -	$ -	Y	(108)	-	-	$ (7,978)	$ -	$ -	$ (7,978)
Iroquois Receipts	1	Iroquois	181003	$ 359,064	$ -	$ -	Y	(664)	-	-	$ (41,718)	$ -	$ -	$ (41,718)
Iroquois Receipts	1	Iroquois	181003	$ 53,655	$ -	$ -	Y	(99)	-	-	$ (6,220)	$ -	$ -	$ (6,220)
Iroquois Receipts	2A	Tennessee	95196	$ 102,091	$ -	$ -	Y	(161)	-	-	$ (11,893)	$ -	$ -	$ (11,893)
Iroquois Receipts	2B	Tennessee	95196	$ 62,348	$ -	$ -	Y	(98)	-	-	$ (7,239)	$ -	$ -	$ (7,239)
Iroquois Receipts	3B	Granite	19-100-FT-NN	$ 59,640	$ -	$ -	Y	(98)	-	-	$ (6,950)	$ -	$ -	$ (6,950)
Iroquois Receipts	2C	Tennessee	41099	$ 315,212	$ -	$ -	Y	(496)	-	-	$ (36,641)	$ -	$ -	$ (36,641)
Iroquois Receipts	3C	Algonquin	93002F	$ 434,206	$ -	$ -	Y	(489)	-	-	$ (50,422)	$ -	$ -	$ (50,422)
Leidy Hub	1	Texas Eastern	800384	$ 81,824	$ -	$ -	Y	(112)	-	-	$ (9,497)	$ -	$ -	$ (9,497)
Leidy Hub	2	Algonquin	93201A1C	$ 99,503	$ -	$ -	Y	(112)	-	-	$ (11,549)	$ -	$ -	$ (11,549)
Transco Zone 6, non-NY	1	Algonquin	93201A1C	$ 29,490	$ -	$ -	Y	(33)	-	-	$ (3,403)	$ -	$ -	$ (3,403)
PXP Dawn Hub	1	Union	M12296	$ 380,587	$ -	$ -	Y	(1,191)	-	-	$ (44,222)	$ -	$ -	$ (44,222)
PXP Dawn Hub	2	TransCanada	63265	$ 2,134,174	$ -	$ -	Y	(1,164)	-	-	$ (247,996)	$ -	$ -	$ (247,996)
PXP Dawn Hub	3	PNGTS	233320	$ 2,737,500	$ -	$ -	Y	(1,162)	-	-	$ (318,098)	$ -	$ -	$ (318,098)
PXP Dawn Hub	4	Granite	19-100-FT-NN	$ 706,670	$ -	$ -	Y	(1,158)	-	-	$ (82,120)	$ -	$ -	$ (82,120)
Atlantic Bridge	1	Algonquin	510939	$ 5,007,799	$ -	$ -	Y	(883)	-	-	$ (581,904)	$ -	$ -	$ (581,904)
Atlantic Bridge	2	Maritimes	210363	$ 1,204,500	$ -	$ -	Y	(871)	-	-	$ (139,883)	$ -	$ -	$ (139,883)
Tennessee Firm Storage	2	Tennessee	5265	$ -	$ 223,021	$ -	Y	-	(262)	-	$ -	$ (22,025)	$ -	$ (22,025)
Tennessee Firm Storage	3	Granite	19-100-FT-NN	$ -	$ 187,500	$ -	Y	-	(261)	-	$ -	$ (18,509)	$ -	$ (18,509)
Union Dawn Storage	2	Union	M12256	$ -	$ 1,511,950	$ -	Y	-	(4,017)	-	$ -	$ (149,153)	$ -	$ (149,153)
Union Dawn Storage	3A	TransCanada	57901	$ -	$ 7,243,877	$ -	Y	-	(3,354)	-	$ -	$ (714,587)	$ -	$ (714,587)
Union Dawn Storage	3B	TransCanada	57055	$ -	$ 1,278,970	$ -	Y	-	(592)	-	$ -	$ (126,129)	$ -	$ (126,129)
Union Dawn Storage	4	PNGTS	208543	$ -	$ 8,760,657	$ -	Y	-	(3,946)	-	$ -	$ (864,174)	$ -	$ (864,174)
Union Dawn Storage	5	Granite	19-100-FT-NN	$ -	$ 2,826,893	$ -	Y	-	(3,932)	-	$ -	$ (278,839)	$ -	$ (278,839)
Peaking Capacity (Nov-Oct)	N/A	Granite	19-100-FT-NN	$ -	$ -	$ 656,037	Y	-	-	(2,585)	$ -	$ -	$ (64,688)	$ (64,688)
Peaking Capacity (Nov-Apr)	N/A	Granite	19-100-FT-NN	$ -	$ -	$ 1,560,134	Y	-	-	(2,958)	$ -	$ -	$ (153,829)	$ (153,829)
Total Capacity Assignment Credits											$ (2,085,920)	$ (2,173,415)	$ (218,517)	$ (4,477,852)

Northern Utilities, Inc. New Hampshire Division Storage Contract Capacity Assignment Estimates November 2021 through October 2022								
Vendor	Contract ID	Annual Fixed Charges	Capacity Assigned (Y/N)	Company Managed (Y/N)	Storage Assigned ME	Assigned MSQ	Assigned MDWQ	Annual Cap Assign Credit
Tennessee	5195	$ 119,638	Y	N	9.86%	(25,582)	(419)	$ (11,801)
Union	LST068	$ 2,840,000	Y	N	9.86%	(394,570)	(4,064)	$ (280,145)

Total Division Storage Capacity Assignment $ (291,946)

MSQ = Maximum Space Quantity
MDWQ = Maximum Daily Withdrawal Quantity

Northern Utilities, Inc.
New Hampshire Division
On-System Peaking Demand Capacity Assignment Revenues
November 2021 through October 2022

Month	On-System Peaking Demand TCQ	Rate	Demand Revenue
Nov-21	641	$ 71.85	$ (46,053)
Dec-21	641	$ 71.85	$ (46,053)
Jan-22	641	$ 71.85	$ (46,053)
Feb-22	641	$ 71.85	$ (46,053)
Mar-22	641	$ 71.85	$ (46,053)
Apr-22	641	$ 71.85	$ (46,053)

Total Division Peaking Demand Revenue $ (276,318)

REDACTED

Northern Utilities, Inc. - New Hampshire Division

Asset Management and Capacity Release Revenue Assigned to Retail Suppliers

November 2021 through October 2022

Indicates Confidential Information

Resources	Projected Value	Company-Managed Resources	Resource Type	Percentage Capacity Assigned	Annual Value to Retail Marketers
Tennessee Zone 0/L Pools	[redacted]	No	Pipeline	11.62%	[redacted]
Tennessee Niagara	[redacted]	No	Pipeline	11.62%	[redacted]
Iroquois Receipts	[redacted]	Yes	Pipeline	11.62%	[redacted]
Leidy Hub & Transco Zone 6, non-NY	[redacted]	Yes	Pipeline	11.62%	[redacted]
0	[redacted]	No	Pipeline	11.62%	[redacted]
Atlantic Bridge	[redacted]	No	Pipeline	11.62%	[redacted]
Union Dawn Storage & PXP Dawn Hub	[redacted]	No	Storage	9.86%	[redacted]
Total Asset Management	$ (9,902,100)				$ 33,381

REDACTED

Northern Utilities, Inc. New Hampshire Division Peaking Capacity Assignment Demand Rate November 2021 through October 2022 Indicates Confidential Information			
Line	Description	Northern	NH Division
2	Capacity Allocation Factor		40.99%
3	Peaking Plants	6,500	2,664
4	Total	6,500	2,664
5	LNG Demand Costs	[redacted]	[redacted]
6	Peaking Plants Fixed Costs		$ 420,658
7	Total On-System Peaking Fixed Costs		$ 1,148,640
8	NH Division Peaking Service Demand Rate		$ 71.85

`

Northern Utilities
New Hampshire Division
Retail Supplier Capacity Assignment Estimates
November 2021 through October 2022

	Pipeline MDQ	Storage MDQ	Peaking MDQ	Total MDQ
HLF Allocation	60.95%	16.23%	22.82%	100.00%
LLF Allocation	22.28%	32.31%	45.41%	100.00%
HLF TCQ	2,230	594	835	3,658
LLF TCQ	2,476	3,591	5,047	11,114
Retail Supplier Total	4,715	4,193	5,892	14,800
Northern MDQ	40,586	42,507	59,751	142,844
Cap Assign/ Total MDQ	11.62%	9.86%	9.86%	10.36%
On System Peaking			6,500	
On System Peaking Allocation			10.88%	

Northern Utilities - New Hampshire Division
Capacity Assignment Calculations 2021-2022
Derivation of Class Assignments and Weightings

Basic assumptions:
1 The MBA method allocates capacity costs based on design day demands in two pieces:
 a The base use portion of the class design day demand based on base use
 b The remaining portion of design day demand based on remaining design day demand
2 Base demand is composed solely of pipeline supplies
3 Remaining demand consists of a portion of pipeline and all storage and peaking supplies

		Design Day Demand, Dt	Adjusted Design Day Demand, Dt	Percent of Total	Avg Daily Base Use Load, Dt	Remaining Design Day Demand
1	RATE A-Resi Non-Htg	222	213	0.3%	32	181
2	RATE B-Resi Htg	24,141	23,132	36.8%	1,406	21,726
3	RATE G-40	11,858	11,362	18.1%	533	10,830
4	RATE G-50	905	867	1.4%	265	602
5	RATE G-41	9,240	8,854	14.1%	563	8,291
6	RATE G-51	1,441	1,380	2.2%	399	981
7	RATE G-42	1,952	1,871	3.0%	177	1,694
8	RATE G-52	365	350	0.6%	160	189
9	Special Contract	1,619	1,551	2.5%	1,537	14
10	RATE T-40	1,725	1,653	2.6%	109	1,544
11	RATE T-50	134	128	0.2%	-	128
12	RATE T-41	8,134	7,794	12.4%	677	7,117
13	RATE T-51	1,154	1,106	1.8%	512	594
14	RATE T-42	1,740	1,667	2.7%	114	1,553
15	RATE T-52	911	873	1.4%	444	429
16	Total	65,540	62,801	100.0%	6,928	55,874
17						-
18	Residential Total	24,363	23,345	37.2%	1,438	21,907
19	LLF Total	34,649	33,201	52.9%	2,172	31,029
20	HLF Total	6,529	6,256	10.0%	3,318	2,938
21	Total	65,540	62,801	100.0%	6,928	55,874
22						
23						

		Resdential	Total C&I	LLF C&I	HLF C&I	Total
24		Resdential	Total C&I	LLF C&I	HLF C&I	Total
25	Residential Allocation	MDQ, Dt	MDQ, Dt	MDQ, Dt	MDQ, Dt	MDQ, Dt
26	Pipeline - Base	1,438	5,490	2,172	3,318	6,928
27	Pipeline - Remaining	5,195	5,721	5,226	495	10,916
28	Storage	6,947	11,741	10,726	1,016	18,688
29	Peaking	9,765	16,505	15,077	1,428	26,270
30	Total	23,345	39,457	33,201	6,256	62,801
31	Check - Should be 0	-	-	-	-	-
32						

		LLF C&I	**HLF C&I**
33	Caapcity Allocations %s	**LLF C&I**	**HLF C&I**
34			
35	Pipeline	**22.28%**	**60.95%**
36	Storage	**32.31%**	**16.23%**
37	Peaking	**45.41%**	**22.82%**
38	Total	**100.00%**	**100.00%**

Northern Utilities

New Hampshire Division Capacity Assignment Calculations

	HLF	LLF	Total TCQ	Capacity Assignment	Pipeline MDQ	Storage MDQ	Peaking MDQ	Total MDQ
Retail Supplier Total	3,658	11,114	14,772	14,800	4,715	4,193	5,892	14,800
Northern -Total MDQ					17,844	18,688	26,270	62,801
NH Cap Assign/ Total MDQ		CHECK S/B 0 ->	0		26.42%	22.44%	22.43%	23.57%

HLF Capacity Allocator	60.95%	16.23%	22.82%	100.00%
LLF Capacity Allocator	22.28%	32.31%	45.41%	100.00%

	Percentage Design Day	43.97%		Capacity Assignment Plan
Pipeline Capacity Paths	Northern MDQ	NH Division MDQ	Pipeline Assigned %	Capacity Assigned
Tennessee Long-Haul	13,109	5,763	26.43%	1,523
Tennessee Niagara	2,327	1,023	26.39%	270
Iroquois Receipts	6,434	2,829	26.44%	748
Leidy Supply (Texas Eastern, Algonquin)	965	424	26.42%	112
Transco Zone 6, non-NY Supply (Algonquin)	286	126	26.19%	33
PXP Dawn Hub	9,965	4,381	26.43%	1,158
Atlantic Bridge Ramapo	7,500	3,297	26.42%	871
Total Pipeline Capacity	**40,586**	**17,843**	**26.42%**	**4,715**
Storage Capacity Paths	Northern MDQ	NH Division MDQ	Storage Assigned %	Capacity Assigned
Tennessee Firm Storage	2,644	1,162	22.44%	261
Dawn Hub Storage	39,863	17,526	22.44%	3,932
Total Storage Capacity	**42,507**	**18,688**	**22.44%**	**4,193**
Peaking Capacity Paths	Northern MDQ	NH Division MDQ	Peaking Assigned %	Capacity Assigned
LNG - On-System	6,500	2,858	22.43%	641
Granite - Not assigned as Storage or Pipeline Capacity	53,251	23,412	22.43%	5,251
Total Peaking Capacity	**59,751**	**26,270**	**22.43%**	**5,892**
Total Capacity	**142,844**	**62,801**	**23.57%**	**14,800**

Northern Utilities, Inc.
New Hampshire Division
Design Day Forecast by Rate Class

2021-2022 Forecast Annual Sales (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division
Sales Service	23,447	2,021,317	983,033	156,605	765,997	249,241	161,855	63,141	0	2,044,763	1,910,885	468,988	4,424,636
Capacity Assigned Delivery Service			155,432	28,877	732,925	249,618	156,780	197,110	554,272		1,045,137	1,029,877	2,075,014
Capacity Exempt Delivery Service			1,945	1,398	39,225	15,040	276,420	1,543,771	792,258		317,590	2,352,468	2,670,058
Total System	23,447	2,021,317	1,140,409	186,880	1,538,147	513,900	595,055	1,804,022	1,346,530	2,044,763	3,273,611	3,851,332	9,169,707

2020-2021 Forecast Annual Sendout (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division	Prior Year WN Act Total Division	Percent Change
Sales Service	23,743	2,046,904	995,476	158,588	775,693	252,396	163,904	63,940		2,070,647	1,935,074	474,924	4,480,645	4,167,075	7.5%
Capacity Assigned Delivery Service			157,399	29,242	742,202	252,778	158,765	199,605	561,288		1,058,366	1,042,913	2,101,279	1,969,209	6.7%
Capacity Exempt Delivery Service			1,969	1,416	39,721	15,231	279,919	1,563,312	802,287		321,610	2,382,245	2,703,855	2,434,507	11.1%
Total System	23,743	2,046,904	1,154,845	189,246	1,557,617	520,405	602,588	1,826,858	1,363,575	2,070,647	3,315,049	3,900,083	9,285,779	8,570,791	8.3%

2020-2021 Forecast Load Factor (%)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division	Prior Year Actual Total Division	Percent Change
Sales Service	29.3%	23.2%	23.0%	48.0%	23.0%	48.0%	23.0%	48.0%		23.3%	23.0%	48.0%	24.5%	23.6%	3.6%
Capacity Assigned Delivery Service			25.0%	60.0%	25.0%	60.0%	25.0%	60.0%	95.0%		25.0%	74.8%	37.3%	37.4%	-0.2%
Capacity Exempt Delivery Service			40.0%	70.0%	40.0%	70.0%	40.0%	70.0%	85.0%		40.0%	74.4%	67.5%	63.5%	6.3%
Total System	29.3%	23.2%	23.3%	49.7%	24.2%	53.7%	29.4%	67.7%	88.8%	23.3%	24.6%	69.8%	33.3%	32.1%	3.7%

2020-2021 Design Day Sendout (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division	Prior Year Design Day Actual Total Division	Percent Change
Sales Service	222	24,141	11,858	905	9,240	1,441	1,952	365		24,363	23,050	2,711	50,124	48,308	3.8%
Capacity Assigned Delivery Service			1,725	134	8,134	1,154	1,740	911	1,619		11,599	3,818	15,416	14,413	7.0%
Capacity Exempt Delivery Service			13	6	272	60	1,917	6,119	2,586		2,203	8,770	10,973	10,504	4.5%
Total System	222	24,141	13,596	1,044	17,646	2,654	5,610	7,395	4,205	24,363	36,852	15,298	76,513	73,224	4.5%

2020-2021 Baseload Sendout (Dth)
(Average Daily July and August Sendout)

	Res Non-Heat	Res Heat	G40	63689.86	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division
Sales Service	32	1,406	533	265	563	399	177	160		1,438	1,273	825	3,536
Capacity Assigned Delivery Service			109	0	677	512	114	444	1,537		899	2,493	3,392
Capacity Exempt Delivery Service			1	0	55	35	359	3,978	2,129		415	6,142	6,557
Total System	32	1,406	643	265	1,295	946	649	4,582	3,666	1,438	2,587	9,460	13,485

2020-2021 Planning Load Design Day Sendout (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division
Sales Service	222	24,141	11,858	905	9,240	1,441	1,952	365		24,363	23,050	2,711	50,124
Capacity Assigned Delivery Service			1,725	134	8,134	1,154	1,740	911	1,619		11,599	3,818	15,416
Capacity Exempt Delivery Service			0	0	0	0	0	0	0		0	0	0
Total System	222	24,141	13,583	1,039	17,374	2,595	3,692	1,276	1,619	24,363	34,649	6,529	65,540

2020-2021 Planning Load Baseload Sendout (Dth)
(Average Daily July and August Sendout)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division
Sales Service	32	1,406	533	265	563	399	177	160		1,438	1,273	825	3,536
Capacity Assigned Delivery Service			109	0	677	512	114	444	1,537		899	2,493	3,392
Capacity Exempt Delivery Service			0	0	0	0	0	0	0		0	0	0
Total System	32	1,406	641	265	1,240	911	290	604	1,537	1,438	2,172	3,318	6,928

REDACTED

Denotes Confidential Information

Northern Utilities, Inc.
Commodity Cost by Supply Source ($)
November 2021 through October 2022

Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter	Summer	Year
Pipeline Supplies															
TGP Zone 4 300 Leg Supply	[redacted]														
Tennessee FS-MA Storage Path															
Dawn Supply															
Union Dawn Storage Path															
Leidy Hub															
Texas Eastern Zone M-3															
Transco Zone 6, non-NY															
Algonquin Receipts Pipeline Path															
Tennessee Niagara Pipeline Path															
PXP Dawn Pipeline Path															
Tennessee Zone 0															
Tennessee Zone L															
Tennessee Long-Haul Pipeline Path															
Iroquois Receipts Pipeline Path															
Atlantic Bridge Ramapo Pipeline Path															
Total Pipeline															
NH CM Pipeline (Leidy/M-3)															
ME CM Pipeline (Leidy/M-3)															
NH CM Pipeline (Transco)															
ME CM Pipeline (Transco)															
NH CM Pipeline (Iroq Rec)															
ME CM Pipeline (Iroq Rec)															
Net Pipeline	**$ 5,248,530**	**$ 5,735,184**	**$ 6,062,675**	**$ 5,455,995**	**$ 5,436,340**	**$ 4,220,796**	**$ 2,197,031**	**$ 1,475,856**	**$ 1,373,084**	**$ 1,382,979**	**$ 1,410,783**	**$ 2,512,274**	**$ 32,159,520**	**$ 10,352,007**	**$ 42,511,526**
Underground Storage															
Tennessee Storage	$ -	$ 186,678	$ 186,678	$ 167,685	$ 40,601	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 581,642	$ -	$ 581,642
Tennessee FS-MA Storage Path	$ -	$ 186,678	$ 186,678	$ 167,685	$ 40,601	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 581,642	$ -	$ 581,642
Union Dawn Storage	$ 1,044,295	$ 2,078,528	$ 2,337,868	$ 2,534,675	$ 1,826,950	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 9,822,316	$ -	$ 9,822,316
Union Dawn Storage Path	$ 1,044,295	$ 2,078,528	$ 2,337,868	$ 2,534,675	$ 1,826,950	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 9,822,316	$ -	$ 9,822,316
Net Storage	**$ 1,044,295**	**$ 2,265,206**	**$ 2,524,545**	**$ 2,702,360**	**$ 1,867,551**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 10,403,958**	**$ -**	**$ 10,403,958**
Peaking Supplies															
PNGTS Delivered (Dec - Feb)	[redacted]														
Baseload Delivered Supplies															
Lewiston LNG															
Peaking Contract 1															
Peaking Contract 2															
Off-System Peaking / Incremental Supply															
Total Peaking															
NH Peaking Service - (On System)															
ME Peaking Service - (On-System)															
Net Peaking	**$ 9,526**	**$ 2,091,388**	**$ 4,553,220**	**$ 2,865,280**	**$ 1,286,222**	**$ 10,221**	**$ 10,555**	**$ 11,094**	**$ 11,464**	**$ 11,464**	**$ 13,455**	**$ 14,402**	**$ 10,815,857**	**$ 72,433**	**$ 10,888,290**
Total NUI Commodity	$ 6,546,727	$ 10,387,112	$ 13,523,178	$ 11,317,910	$ 8,838,734	$ 4,231,017	$ 2,207,586	$ 1,486,950	$ 1,384,547	$ 1,394,443	$ 1,424,238	$ 2,526,676	$ 54,844,677	$ 10,424,440	$ 65,269,117
Company Managed Sales	$ (244,376)	$ (295,334)	$ (382,738)	$ (294,275)	$ (248,621)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,465,343)	$ -	
Net Commodity Costs	**$ 6,302,351**	**$ 10,091,778**	**$ 13,140,440**	**$ 11,023,635**	**$ 8,590,113**	**$ 4,231,017**	**$ 2,207,586**	**$ 1,486,950**	**$ 1,384,547**	**$ 1,394,443**	**$ 1,424,238**	**$ 2,526,676**	**$ 53,379,334**	**$ 10,424,440**	**$ 63,803,774**

Northern Utilities, Inc.
Commodity Volumes by Supply Source (Dth)
November 2021 through October 2022

Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter	Summer	Year
Pipeline Supplies															
TGP Zone 4 300 Leg Supply	64,244	0	0	330	51,947	64,244	66,386	64,244	66,386	66,386	64,244	66,386	180,766	394,032	574,798
Tennessee FS-MA Storage Path	64,244	0	0	330	51,947	64,244	66,386	64,244	66,386	66,386	64,244	66,386	180,766	394,032	574,798
Dawn Supply	0	0	0	7,166	27,942	746,591	320,425	133,836	92,313	97,584	132,390	415,365	781,700	1,191,914	1,973,613
Union Dawn Storage Path	0	0	0	7,166	27,942	746,591	320,425	133,836	92,313	97,584	132,390	415,365	781,700	1,191,914	1,973,613
Leidy Hub	28,681	29,625	29,625	26,758	29,625	0	0	0	0	0	0	0	144,313	0	144,313
Texas Eastern Zone M-3	269	290	290	262	290	0	0	0	0	0	0	0	1,402	0	1,402
Transco Zone 6, non-NY	8,580	8,866	8,866	8,008	8,866	0	0	0	0	0	0	0	43,186	0	43,186
Algonquin Receipts Pipeline Path	37,530	38,781	38,781	35,028	38,781	0	0	0	0	0	0	0	188,901	0	188,901
Tennessee Niagara Pipeline Path	54,349	56,161	56,161	50,726	56,161	54,349	56,161	54,349	56,161	56,161	54,349	56,161	327,906	333,341	661,247
PXP Dawn Pipeline Path	227,792	240,125	240,125	216,887	240,125	52,641	0	0	0	0	0	0	1,217,695	0	1,217,695
Tennessee Zone 0	103,572	110,715	58,675	65,081	110,715	10,470	0	0	0	0	0	0	459,229	0	459,229
Tennessee Zone L	177,608	205,552	205,552	175,472	169,822	189	0	0	0	0	0	0	934,196	0	934,196
Tennessee Long-Haul Pipeline Path	281,181	316,267	264,227	240,554	280,537	10,660	0	0	0	0	0	0	1,393,425	0	1,393,425
Iroquois Receipts Pipeline Path	187,431	193,679	193,679	174,936	193,679	0	0	0	0	0	0	0	943,403	0	943,403
Atlantic Bridge Ramapo Pipeline Path	175,110	180,947	180,947	163,436	180,947	175,110	180,947	175,110	180,947	180,947	175,110	180,947	1,056,497	1,074,008	2,130,505
Total Pipeline	1,027,637	1,025,960	973,919	889,062	1,070,119	1,103,596	623,919	427,539	395,807	401,078	426,093	718,859	6,090,292	2,993,295	9,083,587
NH CM Pipeline (Leidy/M-3)	-3,360	-3,472	-3,472	-3,136	-3,472	0	0	0	0	0	0	0	-16,912	0	-16,912
ME CM Pipeline (Leidy/M-3)	-3,060	-3,162	-3,162	-2,856	-3,162	0	0	0	0	0	0	0	-15,402	0	-15,402
NH CM Pipeline (Transco)	-990	-1,023	-1,023	-924	-1,023	0	0	0	0	0	0	0	-4,983	0	-4,983
ME CM Pipeline (Transco)	-900	-930	-930	-840	-930	0	0	0	0	0	0	0	-4,530	0	-4,530
NH CM Pipeline (Iroq Rec)	-19,500	-20,150	-20,150	-18,200	-20,150	0	0	0	0	0	0	0	-98,150	0	-98,150
ME CM Pipeline (Iroq Rec)	-17,700	-18,290	-18,290	-16,520	-18,290	0	0	0	0	0	0	0	-89,090	0	-89,090
Net Pipeline	**982,127**	**978,933**	**926,892**	**846,586**	**1,023,092**	**1,103,596**	**623,919**	**427,539**	**395,807**	**401,078**	**426,093**	**718,859**	**5,861,225**	**2,993,295**	**8,854,520**
Underground Storage															
Tennessee Storage	0	66,386	66,386	59,632	14,438	0	0	0	0	0	0	0	206,842	0	206,842
Tennessee FS-MA Storage Path	0	66,386	66,386	59,632	14,438	0	0	0	0	0	0	0	206,842	0	206,842
Union Dawn Storage	334,018	664,818	747,767	810,716	584,350	0	0	0	0	0	0	0	3,141,670	0	3,141,670
Union Dawn Storage Path	334,018	664,818	747,767	810,716	584,350	0	0	0	0	0	0	0	3,141,670	0	3,141,670
Net Storage	**334,018**	**731,204**	**814,153**	**870,348**	**598,789**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3,348,512**	**0**	**3,348,512**
Peaking Supplies															
PNGTS Delivered (Dec - Feb)	0	77,229	77,229	69,755	0	0	0	0	0	0	0	0	224,213	0	224,213
Baseload Delivered Supplies	0	77,229	77,229	69,755	0	0	0	0	0	0	0	0	224,213	0	224,213
													0	0	0
Lewiston LNG	1,794	1,854	1,854	1,674	1,854	1,794	1,860	1,800	1,860	1,860	1,800	1,860	10,824	11,040	21,864
Peaking Contract 1	0	13,649	243,664	11,017	261	0	0	0	0	0	0	0	268,591	0	268,591
Peaking Contract 2	0	42,181	104,918	87,560	64,291	0	0	0	0	0	0	0	298,950	0	298,950
Off-System Peaking / Incremental Supply	0	55,830	348,582	98,577	64,552	0	0	0	0	0	0	0	567,541	0	567,541
Total Peaking	1,794	134,913	427,664	170,007	66,406	1,794	1,860	1,800	1,860	1,860	1,800	1,860	802,578	11,040	813,618
NH Peaking Service - (On System)	0	-1,282	-5,769	-641	0	0	0	0	0	0	0	0	-7,692	0	-7,692
ME Peaking Service - (On-System)	0	-1,184	-5,328	-592	0	0	0	0	0	0	0	0	-7,104	0	-7,104
Net Peaking	**1,794**	**132,447**	**416,567**	**168,774**	**66,406**	**1,794**	**1,860**	**1,800**	**1,860**	**1,860**	**1,800**	**1,860**	**787,782**	**11,040**	**798,822**
Total NUI Commodity	1,363,449	1,892,076	2,215,737	1,929,417	1,735,313	1,105,390	625,779	429,339	397,667	402,938	427,893	720,719	10,241,382	3,004,335	13,245,717
Company Managed Sales	-45,510	-49,493	-58,124	-43,709	-47,027	0	0	0	0	0	0	0	-243,863	0	-243,863
Net Commodity Costs	**1,317,939**	**1,842,583**	**2,157,613**	**1,885,708**	**1,688,286**	**1,105,390**	**625,779**	**429,339**	**397,667**	**402,938**	**427,893**	**720,719**	**9,997,519**	**3,004,335**	**13,001,854**

REDACTED

Denotes Confidential Information

Northern Utilities, Inc.
Average Delivered Commodity Cost by Supply Source ($/Dth)
November 2021 through October 2022

Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter	Summer	Year
Pipeline Supplies															
TGP Zone 4 300 Leg Supply	[redacted]														
Tennessee FS-MA Storage Path															
Dawn Supply															
Union Dawn Storage Path															
Leidy Hub															
Texas Eastern Zone M-3															
Transco Zone 6, non-NY															
Algonquin Receipts Pipeline Path															
Tennessee Niagara Pipeline Path															
PXP Dawn Pipeline Path															
Tennessee Zone 0															
Tennessee Zone L															
Tennessee Long-Haul Pipeline Path															
Iroquois Receipts Pipeline Path															
Atlantic Bridge Ramapo Pipeline Path															
Total Pipeline															
NH CM Pipeline (Leidy/M-3)															
ME CM Pipeline (Leidy/M-3)															
NH CM Pipeline (Transco)															
ME CM Pipeline (Transco)															
NH CM Pipeline (Iroq Rec)															
ME CM Pipeline (Iroq Rec)															
Net Pipeline	**$ 5.344**	**$ 5.859**	**$ 6.541**	**$ 6.445**	**$ 5.314**	**$ 3.825**	**$ 3.521**	**$ 3.452**	**$ 3.469**	**$ 3.448**	**$ 3.311**	**$ 3.495**	**$ 5.487**	**$ 3.458**	**$ 4.801**
Underground Storage															
Tennessee Storage		$ 2.812	$ 2.812	$ 2.812	$ 2.812								$ 2.812		$ 2.812
Tennessee FS-MA Storage Path		$ 2.812	$ 2.812	$ 2.812	$ 2.812								$ 2.812		$ 2.812
Union Dawn Storage	$ 3.126	$ 3.126	$ 3.126	$ 3.126	3.126								$ 3.126		$ 3.126
Union Dawn Storage Path	$ 3.126	$ 3.126	$ 3.126	$ 3.126	3.126								$ 3.126		$ 3.126
Net Storage	**$ 3.126**	**$ 3.098**	**$ 3.101**	**$ 3.105**	**3.119**								**$ 3.107**		**$ 3.107**
Peaking Supplies															
PNGTS Delivered (Dec - Feb)	[redacted]														
Baseload Delivered Supplies															
Lewiston LNG															
Peaking Contract 1															
Peaking Contract 2															
Off-System Peaking / Incremental Su															
Total Peaking															
NH Peaking Service - (On System)															
ME Peaking Service - (On-System)															
Net Peaking	**$ 5.310**	**$ 15.790**	**$ 10.930**	**$ 16.977**	**$ 19.369**	**$ 5.697**	**$ 5.675**	**$ 6.163**	**$ 6.163**	**$ 6.163**	**$ 7.475**	**$ 7.743**	**$ 13.730**	**$ 6.561**	**$ 13.630**
Total NUI Commodity	$ 4.802	$ 5.490	$ 6.103	$ 5.866	$ 5.093	$ 3.828	$ 3.528	$ 3.463	$ 3.482	$ 3.461	$ 3.328	$ 3.506	$ 5.355	$ 3.470	$ 4.928
Company Managed Sales	$ 5.370	$ 5.967	$ 6.585	$ 6.733	5.287								$ 6.009		$ -
Net Commodity Costs	**$ 4.782**	**$ 5.477**	**$ 6.090**	**$ 5.846**	**$ 5.088**	**$ 3.828**	**$ 3.528**	**$ 3.463**	**$ 3.482**	**$ 3.461**	**$ 3.328**	**$ 3.506**	**$ 5.339**	**$ 3.470**	**$ 4.907**

REDACTED

Source of Supply: TGP Zone 4 300 Leg Supply (Tennessee FS-MA Storage Path)

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	65,266	-	-	335	52,774	65,266	67,442	65,266	67,442	67,442	65,266	67,442	183,641	400,300
2	City Gate Delivered Volume	Line 35	64,244	-	-	330	51,947	64,244	66,386	64,244	66,386	66,386	64,244	66,386	180,766	394,032
3	Total Purchase Cost	Line 15	[redacted]													
4	Variable Transportation Costs	Sum Lines 28 and 37	$ 6,414	$ -	$ -	$ 33	$ 5,187	$ 6,414	$ 6,628	$ 6,414	$ 6,628	$ 6,628	$ 6,414	$ 6,628	$ 18,049	$ 39,342
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]													
6	Average Delivered Price	Line 5 divided by Line 2	[redacted]													
7																
8	Tennessee Zone 4 Supply Costs															
9	Purchased Volumes	Sendout Optimization	65,266	-	-	335	52,774	65,266	67,442	65,266	67,442	67,442	65,266	67,442	183,641	400,300
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 4.736	$ 3.859
11	NYMEX Cost	Line 9 times Line 10	$ 346,237	$ -	$ -	$ 1,798	$ 264,554	$ 257,084	$ 256,953	$ 250,557	$ 261,067	$ 261,607	$ 252,124	$ 262,349	$ 869,674	$ 1,544,656
12	NYMEX Basis Price	Att FXW-10, Line 8 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12	[redacted]													
14	Total Purchase Price	Line 10 plus Line 12	[redacted]													
15	Total Purchase Cost	Line 11 plus Line 13	[redacted]													
16																
17	Transportation Fuel Losses and Variable Charges															
18	Tennessee Gas Pipeline (Contract 5265)															
19	Receipt Point: Tennessee Zone 4 Station 313 Pool															
20	Delivery Point: Pleasant St. (Interconnection with Granite)															
21	Total Contract Recevied Volume	Sendout Optimization	65,266	67,442	67,442	60,915	67,442	65,266	67,442	65,266	67,442	67,442	65,266	67,442	393,773	
22	Received Volume	Line 14	65,266	-	-	335	52,774	65,266	67,442	65,266	67,442	67,442	65,266	67,442	183,641	
23	Percentage Allocated	Line 22 divided by Line 21	100.00%	0.00%	0.00%	0.55%	78.25%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	46.64%	100.00%
24	Received Volume	Line 9	65,266	-	-	335	52,774	65,266	67,442	65,266	67,442	67,442	65,266	67,442	183,641	400,300
25	Fuel Loss Rate	Att FXW-10, Line 37 of Page 2	1.22%			1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
26	Delivered Volume	Line 24 times (1 - Line 25)	64,470	-	-	331	52,130	64,470	66,619	64,470	66,619	66,619	64,470	66,619	181,401	395,416
27	Variable Transportation Rate	Att FXW-10, Line 24 of Page 2	$ 0.0983			$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983
28	Variable Transportation Costs	Line 26 times Line 27	$ 6,337	$ -	$ -	$ 33	$ 5,124	$ 6,337	$ 6,549	$ 6,337	$ 6,549	$ 6,549	$ 6,337	$ 6,549	$ 17,832	$ 38,869
29																
30	Granite State Gas Transmission (Contract 19-100-FT-NN)															
31	Receipt Point: Pleasant St.															
32	Delivery Point: Northern City Gates															
33	Received Volume	Line 26	64,470	-	-	331	52,130	64,470	66,619	64,470	66,619	66,619	64,470	66,619	181,401	395,416
34	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
35	City Gate Delivered Volume	Line 33 times (1 - Line 34)	64,244	-	-	330	51,947	64,244	66,386	64,244	66,386	66,386	64,244	66,386	180,766	394,032
36	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
37	Variable Transportation Costs	Line 35 times Line 36	$ 77	$ -	$ -	$ 0	$ 62	$ 77	$ 80	$ 77	$ 80	$ 80	$ 77	$ 80	$ 217	$ 473

REDACTED

Source of Supply: Dawn Supply (Union Dawn Storage Path)

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	-	-	-	7,349	28,653	765,591	328,580	137,241	94,663	100,068	135,759	425,936	801,592	1,222,246
2	City Gate Delivered Volume	Line 57	-	-	-	7,166	27,942	746,591	320,425	133,836	92,313	97,584	132,390	415,365	781,700	1,191,914
3	Total Purchase Cost	Line 15	[redacted]													
4	Variable Transportation Costs	Sum Lines 28, 50 and 59	$ -	$ -	$ -	$ 198	$ 772	$ 20,628	$ 8,853	$ 3,698	$ 2,551	$ 2,696	$ 3,658	$ 11,476	$ 21,598	$ 32,932
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]													
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Portland Supply Costs															
9	Purchased Volumes	Sendout Optimization	-	-	-	7,349	28,653	765,591	328,580	137,241	94,663	100,068	135,759	425,936	801,592	1,222,246
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 3.991	$ 3.857
11	NYMEX Cost	Line 9 times Line 10	$ -	$ -	$ -	$ 39,462	$ 143,637	$ 3,015,662	$ 1,251,888	$ 526,870	$ 366,439	$ 388,163	$ 524,435	$ 1,656,890	$ 3,198,761	$ 4,714,685
12	NYMEX Basis Price	Att FXW-10, Line 10 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Union Pipeline (Contract M12256)															
19	Receipt Point: Union Dawn															
20	Delivery Point: Parkway															
21	Total Contract Recevied Volume	Sendout Optimization	342,518	681,736	766,797	838,696	627,874	765,591	328,580	137,241	94,663	100,068	135,759	425,936	4,023,212	1,222,246
22	Received Volume	Line 9	-	-	-	7,349	28,653	765,591	328,580	137,241	94,663	100,068	135,759	425,936	801,592	1,222,246
23	Percentage Allocated	Line 22 divided by Line 21	0.00%	0.00%	0.00%	0.88%	4.56%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	19.92%	100.00%
24	Received Volume	Line 9	-	-	-	7,349	28,653	765,591	328,580	137,241	94,663	100,068	135,759	425,936	801,592	1,222,246
25	Fuel Loss Rate	Att FXW-10, Line 41 of Page 2				0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
26	Delivered Volume	Line 24 times (1 - Line 25)	-	-	-	7,289	28,421	759,389	325,918	136,130	93,896	99,257	134,659	422,486	795,099	1,212,346
27	Variable Transportation Rate	Att FXW-10, Line 26 of Page 2				$ 0.0248	$ 0.0248	$ 0.0248	$ 0.0248	$ 0.0248	$ 0.0248	$ 0.0248	$ 0.0248	$ 0.0248	$ 0.0248	$ 0.0248
28	Variable Transportation Costs	Line 26 times Line 27	$ -	$ -	$ -	$ 181	$ 705	$ 18,833	$ 8,083	$ 3,376	$ 2,329	$ 2,462	$ 3,340	$ 10,478	$ 19,718	$ 30,066
29																
30	TransCanada Pipeline (Contracts 57055 & 57091)															
31	Receipt Point: Parkway															
32	Delivery Point: East Hereford															
33	Total Contract Recevied Volume	Sendout Optimization	339,744	676,214	760,586	831,903	622,788	759,389	325,918	136,130	93,896	99,257	134,659	422,486	3,990,624	1,212,346
34	Received Volume	Line 26	-	-	-	7,289	28,421	759,389	325,918	136,130	93,896	99,257	134,659	422,486	795,099	1,212,346
35	Percentage Allocated	Line 34 divided by Line 33	0.00%	0.00%	0.00%	0.88%	4.56%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	19.92%	100.00%
36	Received Volume	Line 26	-	-	-	7,289	28,421	759,389	325,918	136,130	93,896	99,257	134,659	422,486	795,099	1,212,346
37	Fuel Loss Rate	Att FXW-10, Line 40 of Page 2				1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
38	Delivered Volume	Line 36 times (1 - Line 37)	-	-	-	7,191	28,040	749,214	321,551	134,306	92,638	97,927	132,855	416,824	784,445	1,196,100
39																
40	PNGTS Pipeline (Contract 208543)															
41	Receipt Point: Pittsburg (interconnect with East Hereford)															
42	Delivery Point: Westbrook, Newington, Eliot															
43	Total Contract Recevied Volume	Sendout Optimization	335,191	667,153	750,394	820,755	614,443	749,214	321,551	134,306	92,638	97,927	132,855	416,824	3,937,150	1,196,100
44	Received Volume	Line 38	-	-	-	7,191	28,040	749,214	321,551	134,306	92,638	97,927	132,855	416,824	784,445	1,196,100
45	Percentage Allocated	Line 44 divided by Line 43	0.00%	0.00%	0.00%	0.88%	4.56%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	19.92%	100.00%
46	Received Volume	Line 38	-	-	-	7,191	28,040	749,214	321,551	134,306	92,638	97,927	132,855	416,824	784,445	1,196,100
47	Fuel Loss Rate	Att FXW-10, Line 33 of Page 2				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
48	Delivered Volume	Line 46 times (1 - Line 47)	-	-	-	7,191	28,040	749,214	321,551	134,306	92,638	97,927	132,855	416,824	784,445	1,196,100
49	Variable Transportation Rate	Att FXW-10, Line 20 of Page 2				$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
50	Variable Transportation Costs	Line 48 times Line 49	$ -	$ -	$ -	$ 9	$ 34	$ 899	$ 386	$ 161	$ 111	$ 118	$ 159	$ 500	$ 941	$ 1,435
51																
52	Granite State Gas Transmission (Contract 19-100-FT-NN)															
53	Receipt Point: Westbrook, Newington, Eliot															
54	Delivery Point: Northern City Gates															
55	Received Volume	Line 48	-	-	-	7,191	28,040	749,214	321,551	134,306	92,638	97,927	132,855	416,824	784,445	1,196,100
56	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
57	City Gate Delivered Volume	Line 55 times (1 - Line 56)	-	-	-	7,166	27,942	746,591	320,425	133,836	92,313	97,584	132,390	415,365	781,700	1,191,914
58	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
59	Variable Transportation Costs	Line 57 times Line 58	$ -	$ -	$ -	$ 9	$ 34	$ 896	$ 385	$ 161	$ 111	$ 117	$ 159	$ 498	$ 938	$ 1,430

REDACTED

Source of Supply: Leidy Hub

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	29,373	30,374	30,432	27,487	30,432	-	-	-	-	-	-	-	148,099	-
2	City Gate Delivered Volume	Sum Lines 35	28,681	29,625	29,625	26,758	29,625	-	-	-	-	-	-	-	144,313	-
3	Total Purchase Cost	Line 15	[redacted]													
4	Variable Transportation Costs	Sum Lines 37	$ 2,675	$ 1,916	$ 1,916	$ 1,731	$ 1,916	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 10,153	$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]													
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Texas Eastern Zone M-3 Purchases															
9	Purchased Volumes	Sendout Optimization	29,373	30,374	30,432	27,487	30,432	-	-	-	-	-	-	-	148,099	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 5.309	-
11	NYMEX Cost	Line 9 times Line 10	$ 155,824	$ 163,957	$ 166,313	$ 147,607	$ 152,557	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 786,257	$ -
12	NYMEX Basis Price	Att FXW-10, Line 7 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Texas Eastern Pipeline (Contract 800384)															
19	Receipt Point: Leidy Hub															
20	Delivery Point: Lambertville, NJ															
21	Received Volume	Line 15	29,373	30,374	30,432	27,487	30,432	-	-	-	-	-	-	-	148,099	-
22	Fuel Loss Rate	Att FXW-10, Line 39 of Page 2	1.44%	1.51%	1.70%	1.70%	1.70%								1.20%	1.20%
23	Delivered Volume	Line 21 times (1 - Line 22)	28,950	29,915	29,915	27,020	29,915	-	-	-	-	-	-	-	145,715	-
24	Variable Transportation Rate	Att FXW-10, Line 27 of Page 2	$ 0.0587	$ 0.0587	$ 0.0587	$ 0.0587	$ 0.0587								$ 0.0587	
25	Variable Transportation Costs	Line 23 times Line 24	$ 1,699	$ 1,756	$ 1,756	$ 1,586	$ 1,756	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 8,553	$ -
26																
27	Algonquin Pipeline (Contract 93201A1C)															
28	Receipt Point: Lamberville, NJ															
29	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)															
30	Total Contract Recevied Volume	Sendout Optimization	29,222	30,208	30,208	27,285	30,208	-	-	-	-	-	-	-	147,130	-
31	Received Volume	Line 14	28,950	29,915	29,915	27,020	29,915	-	-	-	-	-	-	-	145,715	-
32	Percentage Allocated	Line 31 divided by Line 30	99.07%	99.03%	99.03%	99.03%	99.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	99.04%	0.00%
33	Received Volume	Line 15	28,950	29,915	29,915	27,020	29,915	-	-	-	-	-	-	-	145,715	-
34	Fuel Loss Rate	Att FXW-10, Line 28 of Page 2	0.93%	0.97%	0.97%	0.97%	0.97%								1.20%	1.20%
35	City Gate Delivered Volume	Line 33 times (1 - Line 34)	28,681	29,625	29,625	26,758	29,625	-	-	-	-	-	-	-	144,313	-
36	Variable Transportation Rate	Att FXW-10, Line 15 of Page 2	$ 0.0340	$ 0.0054	$ 0.0054	$ 0.0054	$ 0.0054								$ 0.0111	
37	Variable Transportation Costs	Line 35 times Line 36	$ 975	$ 160	$ 160	$ 144	$ 160	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,600	$ -

REDACTED

Source of Supply: Texas Eastern Zone M-3

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	272	293	293	265	293	-	-	-	-	-	-	-	1,415	-
2	City Gate Delivered Volume	Sum Lines 26	269	290	290	262	290	-	-	-	-	-	-	-	1,402	-
3	Total Purchase Cost	Line 15	[redacted]													
4	Variable Transportation Costs	Sum Lines 28	$ 9	$ 2	$ 2	$ 1	$ 2	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 15	$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]													
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Texas Eastern Zone M-3 Purchases															
9	Purchased Volumes	Sendout Optimization	272	293	293	265	293	-	-	-	-	-	-	-	1,415	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 5.309	-
11	NYMEX Cost	Line 9 times Line 10	$ 1,442	$ 1,582	$ 1,601	$ 1,421	$ 1,469	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 7,515	$ -
12	NYMEX Basis Price	Att FXW-10, Line 6 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Algonquin Pipeline (Contract 93201A1C)															
19	Receipt Point: Lamberville, NJ															
20	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)															
21	Total Contract Recevied Volume	Sendout Optimization	29,222	30,208	30,208	27,285	30,208	-	-	-	-	-	-	-	147,130	-
22	Received Volume	Line 14	272	293	293	265	293	-	-	-	-	-	-	-	1,415	-
23	Percentage Allocated	Line 22 divided by Line 21	0.93%	0.97%	0.97%	0.97%	0.97%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.96%	0.00%
24	Received Volume	Line 15	272	293	293	265	293	-	-	-	-	-	-	-	1,415	-
25	Fuel Loss Rate	Att FXW-10, Line 28 of Page 2	0.93%	0.97%	0.97%	0.97%	0.97%								1.20%	1.20%
26	City Gate Delivered Volume	Line 24 times (1 - Line 25)	269	290	290	262	290	-	-	-	-	-	-	-	1,402	-
27	Variable Transportation Rate	Att FXW-10, Line 15 of Page 2	$ 0.0340	$ 0.0054	$ 0.0054	$ 0.0054	$ 0.0054								$ 0.0109	
28	Variable Transportation Costs	Line 26 times Line 27	$ 9	$ 2	$ 2	$ 1	$ 2	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 15	$ -

REDACTED

Source of Supply: Transco Zone 6, non-NY

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	8,661	8,953	8,953	8,086	8,953	-	-	-	-	-	-	-	43,606	-
2	City Gate Delivered Volume	Sum Lines 23	8,580	8,866	8,866	8,008	8,866	-	-	-	-	-	-	-	43,186	-
3	Total Purchase Cost	Line 15	[redacted]													
4	Variable Transportation Costs	Sum Lines 25	$ 292	$ 48	$ 48	$ 43	$ 48	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 479	$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]													
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Tranco Zone 6, non-NY Purchases															
9	Purchased Volumes	Sendout Optimization	8,661	8,953	8,953	8,086	8,953	-	-	-	-	-	-	-	43,606	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 5.309	-
11	NYMEX Cost	Line 9 times Line 10	$ 45,944	$ 48,327	$ 48,927	$ 43,424	$ 44,881	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 231,504	$ -
12	NYMEX Basis Price	Att FXW-10, Line 5 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Algonquin Pipeline (Contract 93201A1C)															
19	Receipt Point: Centerville, NJ															
20	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)															
21	Received Volume	Line 15	8,661	8,953	8,953	8,086	8,953	-	-	-	-	-	-	-	43,606	-
22	Fuel Loss Rate	Att FXW-10, Line 28 of Page 2	0.93%	0.97%	0.97%	0.97%	0.97%								1.20%	1.20%
23	City Gate Delivered Volume	Line 21 times (1 - Line 22)	8,580	8,866	8,866	8,008	8,866	-	-	-	-	-	-	-	43,186	-
24	Variable Transportation Rate	Att FXW-10, Line 15 of Page 2	$ 0.0340	$ 0.0054	$ 0.0054	$ 0.0054	$ 0.0054								$ 0.0111	
25	Variable Transportation Costs	Line 23 times Line 24	$ 292	$ 48	$ 48	$ 43	$ 48	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 479	$ -

REDACTED

Source of Supply: Tennessee Niagara Pipeline Path

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	55,013	56,847	56,847	51,346	56,847	55,013	56,847	55,013	56,847	56,847	55,013	56,847	331,912	337,414
2	City Gate Delivered Volume	Line 41	54,349	56,161	56,161	50,726	56,161	54,349	56,161	54,349	56,161	56,161	54,349	56,161	327,906	333,341
3	Total Purchase Cost	Line 15	[redacted]													
4	Variable Transportation Costs	Sum Lines 25, 34 and 43	$ 4,134	$ 4,272	$ 4,272	$ 3,858	$ 4,272	$ 4,134	$ 4,272	$ 4,134	$ 4,272	$ 4,272	$ 4,134	$ 4,272	$ 24,941	$ 25,355
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]													
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Niagara Supply Costs															
9	Purchased Volumes	Sendout Optimization	55,013	56,847	56,847	51,346	56,847	55,013	56,847	55,013	56,847	56,847	55,013	56,847	331,912	337,414
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 5.082	$ 3.859
11	NYMEX Cost	Line 9 times Line 10	$ 291,845	$ 306,859	$ 310,668	$ 275,726	$ 284,973	$ 216,697	$ 216,587	$ 211,195	$ 220,054	$ 220,509	$ 212,516	$ 221,134	$ 1,686,768	$ 1,301,995
12	NYMEX Basis Price	Att FXW-10, Line 3 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Tennessee Gas Pipeline (Contract 5292)															
19	Receipt Point: Niagara															
20	Delivery Point: Pleasant St. (Interconnection with Granite)															
21	Received Volume	Line 9	33,135	34,239	34,239	30,926	34,239	33,135	34,239	33,135	34,239	34,239	33,135	34,239	199,914	203,228
22	Fuel Loss Rate	Att FXW-10, Line 38 of Page 2	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
23	Delivered Volume	Line 21 times (1 - Line 22)	32,850	33,945	33,945	30,660	33,945	32,850	33,945	32,850	33,945	33,945	32,850	33,945	198,195	201,480
24	Variable Transportation Rate	Att FXW-10, Line 25 of Page 2	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746
25	Variable Transportation Costs	Line 23 times Line 24	$ 2,451	$ 2,532	$ 2,532	$ 2,287	$ 2,532	$ 2,451	$ 2,532	$ 2,451	$ 2,532	$ 2,532	$ 2,451	$ 2,532	$ 14,785	$ 15,030
26																
27	Tennessee Gas Pipeline (Contract 39735)															
28	Receipt Point: Niagara															
29	Delivery Point: Pleasant St. (Interconnection with Granite)															
30	Received Volume	Line 9	21,878	22,607	22,607	20,420	22,607	21,878	22,607	21,878	22,607	22,607	21,878	22,607	131,998	134,186
31	Fuel Loss Rate	Att FXW-10, Line 38 of Page 2	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
32	Delivered Volume	Line 30 times (1 - Line 31)	21,690	22,413	22,413	20,244	22,413	21,690	22,413	21,690	22,413	22,413	21,690	22,413	130,863	133,032
33	Variable Transportation Rate	Att FXW-10, Line 25 of Page 2	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746
34	Variable Transportation Costs	Line 32 times Line 33	$ 1,618	$ 1,672	$ 1,672	$ 1,510	$ 1,672	$ 1,618	$ 1,672	$ 1,618	$ 1,672	$ 1,672	$ 1,618	$ 1,672	$ 9,762	$ 9,924
35																
36	Granite State Gas Transmission (Contract 19-100-FT-NN)															
37	Receipt Point: Pleasant St.															
38	Delivery Point: Northern City Gates															
39	Received Volume	Line 32	54,540	56,358	56,358	50,904	56,358	54,540	56,358	54,540	56,358	56,358	54,540	56,358	329,058	334,512
40	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
41	City Gate Delivered Volume	Line 39 times (1 - Line 40)	54,349	56,161	56,161	50,726	56,161	54,349	56,161	54,349	56,161	56,161	54,349	56,161	327,906	333,341
42	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
43	Variable Transportation Costs	Line 41 times Line 42	$ 65	$ 67	$ 67	$ 61	$ 67	$ 65	$ 67	$ 65	$ 67	$ 67	$ 65	$ 67	$ 393	$ 400

REDACTED

Source of Supply: PXP Dawn Pipeline Path

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	234,244	246,927	246,927	223,031	246,927	54,132	-	-	-	-	-	-	1,252,189	-
2	City Gate Delivered Volume	Line 57	227,792	240,125	240,125	216,887	240,125	52,641	-	-	-	-	-	-	1,217,695	-
3	Total Purchase Cost	Line 15	[redacted]													
4	Variable Transportation Costs	Sum Lines 28, 50 and 59	$ 8,390	$ 8,844	$ 8,844	$ 7,988	$ 8,844	$ 1,939	$ -	$ -	$ -	$ -	$ -	$ -	$ 44,850	$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]													
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Portland Supply Costs															
9	Purchased Volumes	Sendout Optimization	234,244	246,927	246,927	223,031	246,927	54,132	-	-	-	-	-	-	1,252,189	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 5.250	
11	NYMEX Cost	Line 9 times Line 10	$ 1,242,667	$ 1,332,913	$ 1,349,457	$ 1,197,676	$ 1,237,846	$ 213,228	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,573,786	$ -
12	NYMEX Basis Price	Att FXW-10, Line 14 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Union Pipeline (Contract M12296)															
19	Receipt Point: Union Dawn															
20	Delivery Point: Parkway															
21	Total Contract Recevied Volume	Sendout Optimization	234,244	246,927	246,927	223,031	246,927	54,132	-	-	-	-	-	-	1,252,189	-
22	Received Volume	Line 9	234,244	246,927	246,927	223,031	246,927	54,132	-	-	-	-	-	-	1,252,189	-
23	Percentage Allocated	Line 22 divided by Line 21	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%
24	Received Volume	Line 9	234,244	246,927	246,927	223,031	246,927	54,132	-	-	-	-	-	-	1,252,189	-
25	Fuel Loss Rate	Att FXW-10, Line 41 of Page 2	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%							0.81%	
26	Delivered Volume	Line 24 times (1 - Line 25)	232,347	244,927	244,927	221,224	244,927	53,694	-	-	-	-	-	-	1,242,047	-
27	Variable Transportation Rate	Att FXW-10, Line 26 of Page 2	$ 0.0248	$ 0.0248	$ 0.0248	$ 0.0248	$ 0.0248	$ 0.0248							$ 0.0248	
28	Variable Transportation Costs	Line 26 times Line 27	$ 5,762	$ 6,074	$ 6,074	$ 5,486	$ 6,074	$ 1,332	$ -	$ -	$ -	$ -	$ -	$ -	$ 30,803	$ -
29																
30	TransCanada Pipeline (Contract 63265)															
31	Receipt Point: Parkway															
32	Delivery Point: E. Hereford (Interconnects with PNGTS at Pittsburg)															
33	Total Contract Recevied Volume	Sendout Optimization	232,347	244,927	244,927	221,224	244,927	53,694	-	-	-	-	-	-	1,242,047	-
34	Received Volume	Line 26	232,347	244,927	244,927	221,224	244,927	53,694	-	-	-	-	-	-	1,242,047	-
35	Percentage Allocated	Line 34 divided by Line 33	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	
36	Received Volume	Line 26	232,347	244,927	244,927	221,224	244,927	53,694	-	-	-	-	-	-	1,242,047	-
37	Fuel Loss Rate	Att FXW-10, Line 40 of Page 2	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%							1.34%	
38	Delivered Volume	Line 36 times (1 - Line 37)	229,234	241,645	241,645	218,260	241,645	52,975	-	-	-	-	-	-	1,225,403	-
39																
40	PNGTS Pipeline (Contract 23339)															
41	Receipt Point: Pittsburg															
42	Delivery Point: Westbrook, Newington, Eliot															
43	Total Contract Recevied Volume	Sendout Optimization	229,234	241,645	241,645	218,260	241,645	52,975	-	-	-	-	-	-	1,225,403	-
44	Received Volume	Line 38	229,234	241,645	241,645	218,260	241,645	52,975	-	-	-	-	-	-	1,225,403	-
45	Percentage Allocated	Line 44 divided by Line 43	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	
46	Received Volume	Line 38	229,234	241,645	241,645	218,260	241,645	52,975	-	-	-	-	-	-	1,225,403	-
47	Fuel Loss Rate	Att FXW-10, Line 34 of Page 2	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%							0.28%	
48	Delivered Volume	Line 46 times (1 - Line 47)	228,592	240,968	240,968	217,649	240,968	52,826	-	-	-	-	-	-	1,221,972	-
49	Variable Transportation Rate	Att FXW-10, Line 21 of Page 2	$ 0.0103	$ 0.0103	$ 0.0103	$ 0.0103	$ 0.0103	$ 0.0103							$ 0.0103	
50	Variable Transportation Costs	Line 48 times Line 49	$ 2,354	$ 2,482	$ 2,482	$ 2,242	$ 2,482	$ 544	$ -	$ -	$ -	$ -	$ -	$ -	$ 12,586	$ -
51																
52	Granite State Gas Transmission (Contract 19-100-FT-NN)															
53	Receipt Point: Westbrook, Newington, Eliot															
54	Delivery Point: Northern City Gates															
55	Received Volume	Line 48	228,592	240,968	240,968	217,649	240,968	52,826	-	-	-	-	-	-	1,221,972	-
56	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
57	City Gate Delivered Volume	Line 55 times (1 - Line 56)	227,792	240,125	240,125	216,887	240,125	52,641	-	-	-	-	-	-	1,217,695	-
58	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
59	Variable Transportation Costs	Line 57 times Line 58	$ 273	$ 288	$ 288	$ 260	$ 288	$ 63	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,461	$ -

REDACTED

Source of Supply: Tennessee Zone 0

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 21	109,016	116,535	61,759	68,502	116,535	11,021	-	-	-	-	-	-	483,367	-
2	City Gate Delivered Volume	Line 32	103,572	110,715	58,675	65,081	110,715	10,470	-	-	-	-	-	-	459,229	-
3	Total Purchase Cost	Line 2 times Line 3	[redacted]													
4	Variable Transportation Costs	Sum Lines 25 and 34	$ 30,068	$ 32,142	$ 17,034	$ 18,894	$ 32,142	$ 3,040	$ -	$ -	$ -	$ -	$ -	$ -	$ 133,320	$ -
5	Total City Gate Delivered Costs	Sum Lines 4 and 5	[redacted]													
6	Average Delivered Price	Line 6 divided by Line 2														
7																
8	Tennessee Zone 0 Supply Costs															
9	Purchased Volumes	Sendout Optimization	109,016	116,535	61,759	68,502	116,535	11,021	-	-	-	-	-	-	483,367	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 5.256	
11	NYMEX Cost	Line 9 times Line 10	$ 578,331	$ 629,053	$ 337,512	$ 367,857	$ 584,187	$ 43,411	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,540,351	$ -
12	NYMEX Basis Price	Att FXW-10, Line 1 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Tennessee Gas Pipeline (Contract 5083)															
19	Receipt Point: Tennessee Zone 0															
20	Delivery Point: Pleasant St. (Interconnection with Granite)															
21	Received Volume	Line 9	109,016	116,535	61,759	68,502	116,535	11,021	-	-	-	-	-	-	483,367	-
22	Fuel Loss Rate	Att FXW-10, Line 35 of Page 2	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%							4.66%	
23	Delivered Volume	Line 21 times (1 - Line 22)	103,936	111,104	58,881	65,310	111,104	10,507	-	-	-	-	-	-	460,842	-
24	Variable Transportation Rate	Att FXW-10, Line 22 of Page 2	$ 0.2881	$ 0.2881	$ 0.2881	$ 0.2881	$ 0.2881	$ 0.2881							$ 0.2881	
25	Variable Transportation Costs	Line 23 times Line 24	$ 29,944	$ 32,009	$ 16,964	$ 18,816	$ 32,009	$ 3,027	$ -	$ -	$ -	$ -	$ -	$ -	$ 132,769	$ -
26																
27	Granite State Gas Transmission (Contract 19-100-FT-NN)															
28	Receipt Point: Pleasant St.															
29	Delivery Point: Northern City Gates															
30	Received Volume	Line 23	103,936	111,104	58,881	65,310	111,104	10,507	-	-	-	-	-	-	460,842	-
31	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
32	City Gate Delivered Volume	Line 30 times (1 - Line 31)	103,572	110,715	58,675	65,081	110,715	10,470	-	-	-	-	-	-	459,229	-
33	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
34	Variable Transportation Costs	Line 32 times Line 33	$ 124	$ 133	$ 70	$ 78	$ 133	$ 13	$ -	$ -	$ -	$ -	$ -	$ -	$ 551	$ -

REDACTED

Source of Supply: Tennessee Zone L

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 21	185,775	215,003	215,003	183,540	177,630	198	-	-	-	-	-	-	977,149	-
2	City Gate Delivered Volume	Line 32	177,608	205,552	205,552	175,472	169,822	189	-	-	-	-	-	-	934,196	-
3	Total Purchase Cost	Line 2 times Line 3	[redacted]													
4	Variable Transportation Costs	Sum Lines 25 and 34	$ 45,003	$ 52,083	$ 52,083	$ 44,462	$ 43,030	$ 48	$ -	$ -	$ -	$ -	$ -	$ -	$ 236,709	$ -
5	Total City Gate Delivered Costs	Sum Lines 4 and 5	[redacted]													
6	Average Delivered Price	Line 6 divided by Line 2														
7																
8	Tennessee Zone L Supply Costs															
9	Purchased Volumes	Sendout Optimization	185,775	215,003	215,003	183,540	177,630	198	-	-	-	-	-	-	977,149	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 5.320	-
11	NYMEX Cost	Line 9 times Line 10	$ 985,535	$ 1,160,587	$ 1,174,992	$ 985,611	$ 890,458	$ 780	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,197,964	$ -
12	NYMEX Basis Price	Att FXW-10, Line 2 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Tennessee Gas Pipeline (Contract 5083)															
19	Receipt Point: Tennessee Zone L															
20	Delivery Point: Pleasant St. (Interconnection with Granite)															
21	Received Volume	Line 9	185,775	215,003	215,003	183,540	177,630	198	-	-	-	-	-	-	977,149	-
22	Fuel Loss Rate	Att FXW-10, Line 36 of Page 2	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%							4.06%	
23	Delivered Volume	Line 21 times (1 - Line 22)	178,232	206,274	206,274	176,089	170,418	190	-	-	-	-	-	-	937,477	-
24	Variable Transportation Rate	Att FXW-10, Line 23 of Page 2	$ 0.2513	$ 0.2513	$ 0.2513	$ 0.2513	$ 0.2513	$ 0.2513							$ 0.2513	
25	Variable Transportation Costs	Line 23 times Line 24	$ 44,790	$ 51,837	$ 51,837	$ 44,251	$ 42,826	$ 48	$ -	$ -	$ -	$ -	$ -	$ -	$ 235,588	$ -
26																
27	Granite State Gas Transmission (Contract 19-100-FT-NN)															
28	Receipt Point: Pleasant St.															
29	Delivery Point: Northern City Gates															
30	Received Volume	Line 23	178,232	206,274	206,274	176,089	170,418	190	-	-	-	-	-	-	937,477	-
31	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
32	City Gate Delivered Volume	Line 30 times (1 - Line 31)	177,608	205,552	205,552	175,472	169,822	189	-	-	-	-	-	-	934,196	-
33	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
34	Variable Transportation Costs	Line 32 times Line 33	$ 213	$ 247	$ 247	$ 211	$ 204	$ 0	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,121	$ -

REDACTED

Source of Supply: Iroquois Receipts Pipeline Path

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	190,570	196,977	196,977	177,914	196,977	-	-	-	-	-	-	-	959,414	-
2	City Gate Delivered Volume	Line 35	187,431	193,679	193,679	174,936	193,679	-	-	-	-	-	-	-	943,403	-
3	Total Purchase Cost	Line 15	[redacted]													
4	Variable Transportation Costs	Sum Lines 28, 37, 46, 55, 64 and 73	$ 19,270	$ 16,183	$ 16,183	$ 14,617	$ 16,183	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 82,437	$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]													
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Irqoquois Receipts Supply Costs															
9	Purchased Volumes	Sendout Optimization	190,570	196,977	196,977	177,914	196,977	-	-	-	-	-	-	-	959,414	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 5.309	
11	NYMEX Cost	Line 9 times Line 10	$ 1,010,976	$ 1,063,279	$ 1,076,477	$ 955,400	$ 987,443	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,093,575	$ -
12	NYMEX Basis Price	Att FXW-10, Line 4 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Iroquois Pipeline (Contract R181001)															
19	Receipt Point: Waddington															
20	Delivery Point: Wright (Interconnection with Tennessee)															
21	Total Contract Recevied Volume	Sendout Optimization	190,570	196,977	196,977	177,914	196,977	-	-	-	-	-	-	-	959,414	-
22	Received Volume	Line 9	190,570	196,977	196,977	177,914	196,977	-	-	-	-	-	-	-	959,414	-
23	Percentage Allocated	Line 22 divided by Line 21	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	
24	Received Volume	Line 14	190,570	196,977	196,977	177,914	196,977	-	-	-	-	-	-	-	959,414	-
25	Fuel Loss Rate	Att FXW-10, Line 31 of Page 2	0.13%	0.13%	0.13%	0.13%	0.13%								0.13%	
26	Delivered Volume	Line 24 times (1 - Line 25)	190,323	196,720	196,720	177,683	196,720	-	-	-	-	-	-	-	958,167	-
27	Variable Transportation Rate	Att FXW-10, Line 18 of Page 2	$ 0.0046	$ 0.0046	$ 0.0046	$ 0.0046	$ 0.0046								$ -	
28	Variable Transportation Costs	Line 26 times Line 27	$ 875	$ 905	$ 905	$ 817	$ 905	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
29																
30	Tennessee Gas Pipeline (Contract 95196)															
31	Receipt Point: Wright															
32	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)															
33	Received Volume	Line 26	41,820	43,214	43,214	39,032	43,214	-	-	-	-	-	-	-	210,492	-
34	Fuel Loss Rate	Att FXW-10, Line 38 of Page 2	0.86%	0.86%	0.86%	0.86%	0.86%								0.86%	
35	City Gate Delivered Volume	Line 33 times (1 - Line 34)	41,460	42,842	42,842	38,696	42,842	-	-	-	-	-	-	-	208,682	-
36	Variable Transportation Rate	Att FXW-10, Line 25 of Page 2	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746								$ 0.0746	
37	Variable Transportation Costs	Line 35 times Line 36	$ 3,093	$ 3,196	$ 3,196	$ 2,887	$ 3,196	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 15,568	$ -
38																
39	Tennessee Gas Pipeline (Contract 95196)															
40	Receipt Point: Wright															
41	Delivery Point: Pleasant St. (Interconnection with Granite)															
42	Received Volume	Line 35	19,881	20,544	20,544	18,556	20,544	-	-	-	-	-	-	-	100,068	-
43	Fuel Loss Rate	Att FXW-10, Line 38 of Page 2	0.86%	0.86%	0.86%	0.86%	0.86%								0.86%	
44	Delivered Volume	Line 42 times (1 - Line 43)	19,710	20,367	20,367	18,396	20,367	-	-	-	-	-	-	-	99,207	-
45	Variable Transportation Rate	Att FXW-10, Line 25 of Page 2	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746								$ 0.0746	
46	Variable Transportation Costs	Line 44 times Line 45	$ 1,470	$ 1,519	$ 1,519	$ 1,372	$ 1,519	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 7,401	$ -
47																
48	Granite State Gas Transmission (Contract 19-100-FT-NN)															
49	Receipt Point: Pleasant St.															
50	Delivery Point: Northern City Gates															
51	Received Volume	Line 44	19,710	20,367	20,367	18,396	20,367	-	-	-	-	-	-	-	99,207	-
52	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
53	City Gate Delivered Volume	Line 51 times (1 - Line 52)	19,641	20,296	20,296	18,332	20,296	-	-	-	-	-	-	-	98,860	-
54	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
55	Variable Transportation Costs	Line 53 times Line 54	$ 24	$ 24	$ 24	$ 22	$ 24	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 119	$ -
56																
57	Tennessee Gas Pipeline (Contract 41099)															
58	Receipt Point: Wright															
59	Delivery Point: Mendon (Interconnection with Algonquin)															
60	Received Volume	Line 26	128,622	132,963	132,963	120,096	132,963	-	-	-	-	-	-	-	647,607	-
61	Fuel Loss Rate	Att FXW-10, Line 38 of Page 2	0.86%	0.86%	0.86%	0.86%	0.86%								0.86%	
62	Delivered Volume	Line 60 times (1 - Line 61)	127,516	131,820	131,820	119,063	131,820	-	-	-	-	-	-	-	642,038	-
63	Variable Transportation Rate	Att FXW-10, Line 25 of Page 2	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746								$ 0.0746	
64	Variable Transportation Costs	Line 62 times Line 63	$ 9,513	$ 9,834	$ 9,834	$ 8,882	$ 9,834	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 47,896	$ -
65																
66	Algonquin Gas Transmission (Contract 93200F)															
67	Receipt Point: Mendon															
68	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)															
69	Received Volume	Line 62	127,516	131,820	131,820	119,063	131,820	-	-	-	-	-	-	-	642,038	-
70	Fuel Loss Rate	Att FXW-10, Line 28 of Page 2	0.93%	0.97%	0.97%	0.97%	0.97%								0.96%	
71	City Gate Delivered Volume	Line 69 times (1 - Line 70)	126,330	130,541	130,541	117,908	130,541	-	-	-	-	-	-	-	635,861	-
72	Variable Transportation Rate	Att FXW-10, Line 15 of Page 2	$ 0.0340	$ 0.0054	$ 0.0054	$ 0.0054	$ 0.0054								$ 0.0111	
73	Variable Transportation Costs	Line 71 times Line 72	$ 4,295	$ 705	$ 705	$ 637	$ 705	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 7,047	$ -

REDACTED

Source of Supply: Atlantic Bridge Ramapo Pipeline Path

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	183,178	192,545	192,545	173,911	192,545	183,714	189,838	183,714	189,838	189,838	183,714	189,838	1,118,438	1,126,782
2	City Gate Delivered Volume	Sum Lines 35	175,110	180,947	180,947	163,436	180,947	175,110	180,947	175,110	180,947	180,947	175,110	180,947	1,056,497	1,074,008
3	Total Purchase Cost	Line 15	[redacted]													
4	Variable Transportation Costs	Sum Lines 37	$ (10,174)	$ (10,514)	$ (10,514)	$ (9,496)	$ (10,514)	$ (10,205)	$ (10,545)	$ (10,205)	$ (10,545)	$ (10,545)	$ (10,205)	$ (10,545)	$ (61,416)	$ (62,590)
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]													
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Ramapo Supply Purchases															
9	Purchased Volumes	Sendout Optimization	183,178	192,545	192,545	173,911	192,545	183,714	189,838	183,714	189,838	189,838	183,714	189,838	1,118,438	1,126,782
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 5.084	$ 3.859
11	NYMEX Cost	Line 9 times Line 10	$ 971,760	$ 1,039,357	$ 1,052,257	$ 933,904	$ 965,227	$ 723,651	$ 723,284	$ 705,280	$ 734,864	$ 736,383	$ 709,689	$ 738,471	$ 5,686,156	$ 4,347,971
12	NYMEX Basis Price	Att FXW-10, Line 13 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Algonquin Pipeline (Contract 510939)															
19	Receipt Point: Ramapo, NJ															
20	Delivery Point: Beverly															
21	Received Volume	Line 15	183,178	192,545	192,545	173,911	192,545	183,714	189,838	183,714	189,838	189,838	183,714	189,838	1,118,438	1,126,782
22	Fuel Loss Rate	Att FXW-10, Line 29 of Page 2	3.75%	5.38%	5.38%	5.38%	5.38%								1.20%	1.20%
23	Delivered Volume	Line 21 times (1 - Line 22)	176,309	182,186	182,186	164,555	182,186	176,825	182,719	176,825	182,719	182,719	176,825	182,719	1,064,247	1,084,528
24	Variable Transportation Rate	Att FXW-10, Line 16 of Page 2	$ (0.0589)	$ (0.0589)	$ (0.0589)	$ (0.0589)	$ (0.0589)								$ (0.0589)	
25	Variable Transportation Costs	Line 23 times Line 24	$ (10,385)	$ (10,731)	$ (10,731)	$ (9,692)	$ (10,731)	$ (10,415)	$ (10,762)	$ (10,415)	$ (10,762)	$ (10,762)	$ (10,415)	$ (10,762)	$ (62,684)	$ (63,879)
26																
27	Maritimes Pipeline (Contract 210363)															
28	Receipt Point: Beverly															
29	Delivery Point: Lewiston City-Gate															
30	Total Contract Recevied Volume	Sendout Optimization	176,309	182,186	182,186	164,555	182,186	176,825	182,719	176,825	182,719	182,719	176,825	182,719	1,064,247	1,084,528
31	Received Volume	Line 14	176,309	182,186	182,186	164,555	182,186	176,825	182,719	176,825	182,719	182,719	176,825	182,719	1,064,247	1,084,528
32	Percentage Allocated	Line 31 divided by Line 30	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
33	Received Volume	Line 15	176,309	182,186	182,186	164,555	182,186	176,825	182,719	176,825	182,719	182,719	176,825	182,719	1,064,247	1,084,528
34	Fuel Loss Rate	Att FXW-10, Line 32 of Page 2	0.68%	0.68%	0.68%	0.68%	0.68%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	1.20%	1.20%
35	City Gate Delivered Volume	Line 33 times (1 - Line 34)	175,110	180,947	180,947	163,436	180,947	175,110	180,947	175,110	180,947	180,947	175,110	180,947	1,056,497	1,074,008
36	Variable Transportation Rate	Att FXW-10, Line 19 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
37	Variable Transportation Costs	Line 35 times Line 36	$ 210	$ 217	$ 217	$ 196	$ 217	$ 210	$ 217	$ 210	$ 217	$ 217	$ 210	$ 217	$ 1,268	$ 1,289

Source of Supply: Tennessee Storage

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
2	Gross Withdrawn Volume	Line 10	-	67,442	67,442	60,580	14,668	-	-	-	-	-	-	-	210,132	-
3	City Gate Delivered Volume	Line 38	-	66,386	66,386	59,632	14,438	-	-	-	-	-	-	-	206,842	-
4	Total Withdrawal Costs	Line 18	$ -	$ 180,049	$ 180,049	$ 161,731	$ 39,160	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 560,989	$ -
5	Variable Transportation Costs	Sum Lines 31 and 40	$ -	$ 6,628	$ 6,628	$ 5,954	$ 1,442	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 20,652	$ -
6	Total City Gate Delivered Costs	Line 3 plus Line 4	$ -	$ 186,678	$ 186,678	$ 167,685	$ 40,601	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 581,642	$ -
7	Average Delivered Price	Line 5 divided by Line 2		$ 2.812	$ 2.812	$ 2.812	$ 2.812								$ 2.812	
8																
9	Tennessee Storage Withdrawals															
10	Gross Withdrawn Volume	Sendout Optimization	-	67,442	67,442	60,580	14,668	-	-	-	-	-	-	-	210,132	-
11	Withdrawal Rate	FXW-10, Line 1 of Page 3		$ 0.0087	$ 0.0087	$ 0.0087	$ 0.0087								$ 0.0087	
12	Withdrawal Charges	Line 9 times Line 10	$ -	$ 587	$ 587	$ 527	$ 128	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,828	$ -
13	Inventory Rate	CAK-7		$ 2.6610	$ 2.6610	$ 2.6610	$ 2.6610								$ 2.6610	
14	Withdrawn Inventory Value	Line 9 times Line 12	$ -	$ 179,463	$ 179,463	$ 161,204	$ 39,032	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 559,161	$ -
15	Withdrawal Fuel Rate	FXW-10, Line 2 of Page 3		0.00%	0.00%	0.00%	0.00%								0.00%	
16	Withdrawal Fuel Losses	FXW-10, Line 1 of Page 3 times Line 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Net Withdrawn Volume	Line 9 minus Line 14	-	67,442	67,442	60,580	14,668	-	-	-	-	-	-	-	210,132	-
18	Total Withdrawal Costs	Line 11 plus Line 13	$ -	$ 180,049	$ 180,049	$ 161,731	$ 39,160	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 560,989	$ -
19																
20	Transportation Fuel Losses and Variable Charges															
21	Tennessee Gas Pipeline (Contract 5265)															
22	Receipt Point: Tennessee FS-MA Withdrawal Meter															
23	Delivery Point: Pleasant St. (Interconnection with Granite)															
24	Total Contract Recevied Volume	Sendout Optimization	65,266	67,442	67,442	60,915	67,442	65,266	67,442	65,266	67,442	67,442	65,266	67,442	393,773	400,300
25	Received Volume	Line 17	-	67,442	67,442	60,580	14,668	-	-	-	-	-	-	-	210,132	-
26	Percentage Allocated	Line 25 divided by Line 24	0.00%	100.00%	100.00%	99.45%	21.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	53.36%	0.00%
27	Received Volume	Line 25	-	67,442	67,442	60,580	14,668	-	-	-	-	-	-	-	210,132	-
28	Fuel Loss Rate	Att FXW-10, Line 37 of Page 2		1.22%	1.22%	1.22%	1.22%								1.22%	
29	Delivered Volume	Line 27 times (1 - Line 28)	-	66,619	66,619	59,841	14,489	-	-	-	-	-	-	-	207,568	-
30	Variable Transportation Rate	Att FXW-10, Line 24 of Page 2		$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983								$ 0.0983	
31	Variable Transportation Costs	Line 29 times Line 30	$ -	$ 6,549	$ 6,549	$ 5,882	$ 1,424	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 20,404	$ -
32																
33	Granite State Gas Transmission (Contract 19-100-FT-NN)															
34	Receipt Point: Pleasant St.															
35	Delivery Point: Northern City Gates															
36	Received Volume	Line 29	-	66,619	66,619	59,841	14,489	-	-	-	-	-	-	-	207,568	-
37	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
38	City Gate Delivered Volume	Line 36 times (1 - Line 37)	-	66,386	66,386	59,632	14,438	-	-	-	-	-	-	-	206,842	-
39	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
40	Variable Transportation Costs	Line 38 times Line 39	$ -	$ 80	$ 80	$ 72	$ 17	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 248	$ -

Source of Supply: Union Dawn Storage

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Gross Withdrawn Volume	Line 9	344,586	685,851	771,425	836,366	602,838	-	-	-	-	-	-	-	3,241,066	-
2	City Gate Delivered Volume	Line 59	334,018	664,818	747,767	810,716	584,350	-	-	-	-	-	-	-	3,141,670	-
3	Total Withdrawal Costs	Line 17	$ 1,035,067	$ 2,060,160	$ 2,317,207	$ 2,512,276	$ 1,810,804	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 9,735,514	$ -
4	Variable Transportation Costs	Sum Lines 30, 52 and 61	$ 9,229	$ 18,368	$ 20,660	$ 22,400	$ 16,145	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 86,802	$ -
5	Total City Gate Delivered Costs	Line 3 plus Line 4	$ 1,044,295	$ 2,078,528	$ 2,337,868	$ 2,534,675	$ 1,826,950	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 9,822,316	$ -
6	Average Delivered Price	Line 5 divided by Line 2	$ 3.126	$ 3.126	$ 3.126	$ 3.126	$ 3.126								$ 3.126	
7																
8	Union Dawn Storage Withdrawals															
9	Gross Withdrawn Volume	Sendout Optimization	344,586	685,851	771,425	836,366	602,838	-	-	-	-	-	-	-	3,241,066	-
10	Withdrawal Rate	FXW-10, Line 2 of Page 3	$ 0.006	$ 0.006	$ 0.006	$ 0.006	$ 0.006								$ 0.006	
11	Withdrawal Charges	Line 9 times Line 10	$ 1,999	$ 3,978	$ 4,474	$ 4,851	$ 3,496	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 18,798	$ -
12	Inventory Rate	CAK-7	$ 2.998	$ 2.998	$ 2.998	$ 2.998	$ 2.998								$ 2.998	
13	Withdrawn Inventory Value	Line 9 times Line 12	$ 1,033,068	$ 2,056,182	$ 2,312,733	$ 2,507,425	$ 1,807,308	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 9,716,716	$ -
14	Withdrawal Fuel Rate	FXW-10, Line 2 of Page 3	0.60%	0.60%	0.60%	0.60%	0.60%								0.60%	
15	Withdrawal Fuel Losses	Line 14 times Line 9	2,068	4,115	4,629	5,018	3,617	-	-	-	-	-	-	-	19,446	-
16	Net Withdrawn Volume	Line 9 minus Line 14	342,518	681,736	766,797	831,348	599,221	-	-	-	-	-	-	-	3,221,620	-
17	Total Withdrawal Costs	Line 11 plus Line 13	$ 1,035,067	$ 2,060,160	$ 2,317,207	$ 2,512,276	$ 1,810,804	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 9,735,514	$ -
18																
19	Transportation Fuel Losses and Variable Charges															
20	Union Pipeline (Contract M12256)															
21	Receipt Point: Union Dawn															
22	Delivery Point: Parkway															
23	Total Contract Recevied Volume	Sendout Optimization	342,518	681,736	766,797	838,696	627,874	765,591	328,580	137,241	94,663	100,068	135,759	425,936	4,023,212	1,222,246
24	Received Volume	Line 16	342,518	681,736	766,797	831,348	599,221	-	-	-	-	-	-	-	3,221,620	-
25	Percentage Allocated	Line 24 divided by Line 23	100.00%	100.00%	100.00%	99.12%	95.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	80.08%	0.00%
26	Received Volume	Line 24	342,518	681,736	766,797	831,348	599,221	-	-	-	-	-	-	-	3,221,620	-
27	Fuel Loss Rate	Att FXW-10, Line 41 of Page 2	0.81%	0.81%	0.81%	0.81%	0.81%								0.81%	
28	Delivered Volume	Line 26 times (1 - Line 27)	339,744	676,214	760,586	824,614	594,367	-	-	-	-	-	-	-	3,195,524	-
29	Variable Transportation Rate	Att FXW-10, Line 26 of Page 2	$ 0.0248	$ 0.0248	$ 0.0248	$ 0.0248	$ 0.0248								$ 0.0248	
30	Variable Transportation Costs	Line 28 times Line 29	$ 8,426	$ 16,770	$ 18,863	$ 20,450	$ 14,740	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 79,249	$ -
31																
32	TransCanada Pipeline (Contracts 57055 & 57091)															
33	Receipt Point: Parkway															
34	Delivery Point: East Hereford															
35	Total Contract Recevied Volume	Sendout Optimization	339,744	676,214	760,586	831,903	622,788	759,389	325,918	136,130	93,896	99,257	134,659	422,486	3,990,624	1,212,346
36	Received Volume	Line 28	339,744	676,214	760,586	824,614	594,367	-	-	-	-	-	-	-	3,195,524	-
37	Percentage Allocated	Line 36 divided by Line 35	100.00%	100.00%	100.00%	99.12%	95.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	80.08%	0.00%
38	Received Volume	Line 36	339,744	676,214	760,586	824,614	594,367	-	-	-	-	-	-	-	3,195,524	-
39	Fuel Loss Rate	Att FXW-10, Line 40 of Page 2	1.34%	1.34%	1.34%	1.34%	1.34%									
40	Delivered Volume	Line 38 times (1 - Line 39)	335,191	667,153	750,394	813,564	586,403	-	-	-	-	-	-	-	3,152,704	-
41																
42	PNGTS Pipeline (Contract 208543)															
43	Receipt Point: Pittsburg (interconnect with East Hereford)															
44	Delivery Point: Westbrook, Newington, Eliot															
45	Total Contract Recevied Volume	Sendout Optimization	335,191	667,153	750,394	820,755	614,443	749,214	321,551	134,306	92,638	97,927	132,855	416,824	3,937,150	1,196,100
46	Received Volume	Line 40	335,191	667,153	750,394	813,564	586,403	-	-	-	-	-	-	-	3,152,704	-
47	Percentage Allocated	Line 46 divided by Line 45	100.00%	100.00%	100.00%	99.12%	95.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	80.08%	0.00%
48	Received Volume	Sendout Optimization	335,191	667,153	750,394	813,564	586,403	-	-	-	-	-	-	-	3,152,704	-
49	Fuel Loss Rate	Att FXW-10, Line 33 of Page 2	0.00%	0.00%	0.00%	0.00%	0.00%								0.00%	
50	Delivered Volume	Line 48 times (1 - Line 49)	335,191	667,153	750,394	813,564	586,403	-	-	-	-	-	-	-	3,152,704	-
51	Variable Transportation Rate	Att FXW-10, Line 20 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012								$ 0.0012	
52	Variable Transportation Costs	Line 50 times Line 51	$ 402	$ 801	$ 900	$ 976	$ 704	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,783	$ -
53																
54	Granite State Gas Transmission (Contract 19-100-FT-NN)															
55	Receipt Point: Westbrook, Newington, Eliot															
56	Delivery Point: Northern City Gates															
57	Received Volume	Line 50	335,191	667,153	750,394	813,564	586,403	-	-	-	-	-	-	-	3,152,704	-
58	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
59	City Gate Delivered Volume	Line 57 times (1 - Line 58)	334,018	664,818	747,767	810,716	584,350	-	-	-	-	-	-	-	3,141,670	-
60	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
61	Variable Transportation Costs	Line 59 times Line 60	$ 401	$ 798	$ 897	$ 973	$ 701	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,770	$ -

REDACTED

Source of Supply: PNGTS Delivered Baseload (Dec - Feb

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	-	77,500	77,500	70,000	-	-	-	-	-	-	-	-	225,000	-
2	City Gate Delivered Volume	Line 23	-	77,229	77,229	69,755	-	-	-	-	-	-	-	-	224,213	-
3	Total Purchase Cost	Line 15	[redacted]													
4	Variable Transportation Costs	Line 25	$ -	$ 93	$ 93	$ 84	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 269	$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]													
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Portland Supply Costs															
9	Purchased Volumes	Sendout Optimization	-	77,500	77,500	70,000	-	-	-	-	-	-	-	-	225,000	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 5.412	
11	NYMEX Cost	Line 9 times Line 10	$ -	$ 418,345	$ 423,538	$ 375,900	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,217,783	$ -
12	NYMEX Basis Price	Att FXW-10, Line 16 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Granite State Gas Transmission (Contract 19-100-FT-NN)															
19	Receipt Point: Granite (Westbrook, Newington, Eliot)															
20	Delivery Point: Northern City Gates															
21	Received Volume	Line 9	-	77,500	77,500	70,000	-	-	-	-	-	-	-	-	225,000	-
22	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
23	City Gate Delivered Volume	Line 21 times (1 - Line 22)	-	77,229	77,229	69,755	-	-	-	-	-	-	-	-	224,213	-
24	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
25	Variable Transportation Costs	Line 23 times Line 24	$ -	$ 93	$ 93	$ 84	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 269	$ -

REDACTED

Source of Supply: Northern LNG Inventory
On-System Storage

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Gross Withdrawn Volume	Line 9	1,794	1,854	1,854	1,674	1,854	1,794	1,860	1,800	1,860	1,860	1,800	1,860	10,824	11,040
2	City Gate Delivered Volume	Line 15	1,794	1,854	1,854	1,674	1,854	1,794	1,860	1,800	1,860	1,860	1,800	1,860	10,824	11,040
3	Total Withdrawal Costs	Line 16	[redacted]													
4	Variable Transportation Costs	N/A	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	Total City Gate Delivered Costs	Line 3 plus Line 4	[redacted]													
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Northern LNG Withdrawn Inventory															
9	Gross Withdrawn Volume	Sendout Optimization	1,794	1,854	1,854	1,674	1,854	1,794	1,860	1,800	1,860	1,860	1,800	1,860	10,824	11,040
10	Withdrawal Rate	N/A	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
11	Withdrawal Charges	Line 9 times Line 10	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	Inventory Rate	CAK-7	[redacted]													
13	Withdrawn Inventory Value	Line 9 times Line 12														
14	Withdrawal Fuel Losses	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Net Withdrawn Volume	Line 9 minus Line 14	1,794	1,854	1,854	1,674	1,854	1,794	1,860	1,800	1,860	1,860	1,800	1,860	10,824	11,040
16	Total Withdrawal Costs	Line 11 plus Line 13	[redacted]													

REDACTED

Source of Supply: Peaking Contract 1

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	-	13,649	243,843	11,017	261	-	-	-	-	-	-	-	268,770	-
2	City Gate Delivered Volume	Line 24	-	13,649	243,664	11,017	261	-	-	-	-	-	-	-	268,591	-
3	Total Purchase Cost	Line 15	[redacted]													
4	Variable Transportation Costs	Line 26	$ -	$ -	$ 61	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 61	$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]													
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Peaking Contract 1 Costs															
9	Purchased Volumes	Sendout Optimization	-	13,649	243,843	11,017	261	-	-	-	-	-	-	-	268,770	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 5.457	
11	NYMEX Cost	Line 9 times Line 10	$ -	$ 73,680	$ 1,332,601	$ 59,164	$ 1,307	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,466,752	$ -
12	NYMEX Basis Price	Att FXW-10, Line 17 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Granite State Gas Transmission (Contract 19-100-FT-NN)															
19	Receipt Point: Westbrook															
20	Delivery Point: Northern City Gates															
21	City Gate Delivered Volume	Lewiston City-Gate - Non-GSGT	-	13,649	192,693	11,017	261	-	-	-	-	-	-	-	-	-
22	Received Volume	Line 9	-	-	51,150	-	-	-	-	-	-	-	-	-	51,150	-
23	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
24	City Gate Delivered Volume	Line 22 times (1 - Line 23)	-	-	50,971	-	-	-	-	-	-	-	-	-	50,971	-
25	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
26	Variable Transportation Costs	Line 24 times Line 25	$ -	$ -	$ 61	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 61	$ -

REDACTED

Source of Supply: Peaking Contract 2

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	-	42,329	105,286	87,868	64,517	-	-	-	-	-	-	-	300,000	-
2	City Gate Delivered Volume	Line 1	-	42,181	104,918	87,560	64,291	-	-	-	-	-	-	-	298,950	-
3	Total Purchase Cost	Line 15	[redacted]													
4	Variable Transportation Costs	N/A	$ -	$ 51	$ 126	$ 105	$ 77	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 359	$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]													
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Maritimes Supply Costs															
9	Purchased Volumes	Sendout Optimization	-	42,329	105,286	87,868	64,517	-	-	-	-	-	-	-	300,000	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	$ 5.305	$ 5.398	$ 5.465	$ 5.370	$ 5.013	$ 3.939	$ 3.810	$ 3.839	$ 3.871	$ 3.879	$ 3.863	$ 3.890	$ 5.331	-
11	NYMEX Cost	Line 9 times Line 10	$ -	$ 228,491	$ 575,391	$ 471,849	$ 323,424	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,599,155	$ -
12	NYMEX Basis Price	Att FXW-10, Line 18 of Page 1	[redacted]													
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Granite State Gas Transmission (Contract 19-100-FT-NN)															
18	Receipt Point: Westbrook, Newington, Eliot															
19	Delivery Point: Northern City Gates															
20	Received Volume	Line 12	-	42,329	105,286	87,868	64,517	-	-	-	-	-	-	-	-	-
21	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%		
22	City Gate Delivered Volume	Line 20 times (1 - Line 21)	-	42,181	104,918	87,560	64,291	-	-	-	-	-	-	-	-	-
23	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012		
24	Variable Transportation Costs	Line 22 times Line 23	$ -	$ 51	$ 126	$ 105	$ 77	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

REDACTED

Northern Utilities, Inc.
Natural Gas Commodity Price Forecast
Based upon NYMEX Settlement for September 1, 2021

Denotes Confidential Information

Estimated Adders to NYMEX Last Day Settlement

Line	Supply Source	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
1	Tennesee Zone 0	[redacted]											
2	Tennesee Zone L												
3	Tennesee Niagara												
4	Iroquois Receipts												
5	Transco Zone 6, non-NY												
6	Texas Eastern Zone M-3												
7	Leidy Hub												
8	Tennesee Zone 4 Station 313 Pool												
9	Tennesee Zone 4 Storage Injection												
10	Union Dawn Storage - Dawn Supply												
11	Union Dawn Storage Injection												
12	LNG Contract												
13	Atlantic Bridge - Ramapo												
14	PXP - Dawn Supply												
15	Incremental Supply												
16	PNGTS Delivered Baseload (Dec - Feb)												
17	Peaking Contract 1												
18	Peaking Contract 2												
19	WXP - Dawn Supply												
20	NYMEX	$ 4.663	$ 4.749	$ 4.798	$ 4.683	$ 4.321	$ 3.553	$ 3.442	$ 3.467	$ 3.499	$ 3.506	$ 3.492	$ 3.521

Northern Utilities, Inc.
Transportation Contract Rates
November 2021 through October 2022

Fixed Demand Rates ($ per Dth/Month)

Line	Pipeline	Rate Schedule	Receipt	Delivery	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
1	Algonquin	AFT-1	N/A	N/A	AGT-1	$ 8.5927	$ 8.5927	$ 8.5927	$ 8.5927	$ 8.5927	$ 8.5927	$ 8.5927	$ 8.5927	$ 8.5927	$ 8.5927	$ 8.5927	$ 8.5927
2	Algonquin	AFT-1 (AB)	N/A	N/A	AGT-4	$ 54.9170	$ 54.9170	$ 54.9170	$ 54.9170	$ 54.9170	$ 54.9170	$ 54.9170	$ 54.9170	$ 54.9170	$ 54.9170	$ 54.9170	$ 54.9170
3	Granite	FT-NN	N/A	N/A	GSGT-1	$ 5.9096	$ 5.9096	$ 5.9096	$ 5.9096	$ 5.9096	$ 5.9096	$ 5.9096	$ 5.9096	$ 5.9096	$ 5.9096	$ 5.9096	$ 5.9096
4	Iroquois	RTS-1	Zone 1	Zone 1	IGTS-1	$ 5.2357	$ 5.2357	$ 5.2357	$ 5.2357	$ 5.2357	$ 5.2357	$ 5.2357	$ 5.2357	$ 5.2357	$ 5.2357	$ 5.2357	$ 5.2357
5	Maritimes	MN365	N/A	N/A	MNUS-1	$ 13.3833	$ 13.3833	$ 13.3833	$ 13.3833	$ 13.3833	$ 13.3833	$ 13.3833	$ 13.3833	$ 13.3833	$ 13.3833	$ 13.3833	$ 13.3833
6	PNGTS	FT (C2C)	N/A	N/A	PNGTS-1	$ 18.2500	$ 18.2500	$ 18.2500	$ 18.2500	$ 18.2500	$ 18.2500	$ 18.2500	$ 18.2500	$ 18.2500	$ 18.2500	$ 18.2500	$ 18.2500
7	PNGTS	FT (PXP)	N/A	N/A	PNGTS-3	$ 22.8125	$ 22.8125	$ 22.8125	$ 22.8125	$ 22.8125	$ 22.8125	$ 22.8125	$ 22.8125	$ 22.8125	$ 22.8125	$ 22.8125	$ 22.8125
8	Tennessee	FT-A	Zone 0	Zone 6	TGP-1 (PCB & PS/GHG), TGP-5 (2021 Rates)	$ 19.9192	$ 19.9192	$ 19.9192	$ 19.9192	$ 19.9192	$ 19.9192	$ 19.9192	$ 19.9192	$ 19.9192	$ 19.9192	$ 19.9192	$ 19.9192
9	Tennessee	FT-A	Zone L	Zone 6	TGP-1 (PCB & PS/GHG), TGP-5 (2021 Rates)	$ 17.6842	$ 17.6842	$ 17.6842	$ 17.6842	$ 17.6842	$ 17.6842	$ 17.6842	$ 17.6842	$ 17.6842	$ 17.6842	$ 17.6842	$ 17.6842
10	Tennessee	FT-A	Zone 4	Zone 6	TGP-1 (PCB & PS/GHG), TGP-5 (2021 Rates)	$ 7.0053	$ 7.0053	$ 7.0053	$ 7.0053	$ 7.0053	$ 7.0053	$ 7.0053	$ 7.0053	$ 7.0053	$ 7.0053	$ 7.0053	$ 7.0053
11	Tennessee	FT-A	Zone 5	Zone 6	TGP-1 (PCB & PS/GHG), TGP-5 (2021 Rates)	$ 6.1560	$ 6.1560	$ 6.1560	$ 6.1560	$ 6.1560	$ 6.1560	$ 6.1560	$ 6.1560	$ 6.1560	$ 6.1560	$ 6.1560	$ 6.1560
12	Texas Eastern	FT-1/FTS	M3	M3	TETCO-1	$ 7.0660	$ 7.0660	$ 7.0660	$ 7.0660	$ 7.0660	$ 7.0660	$ 7.0660	$ 7.0660	$ 7.0660	$ 7.0660	$ 7.0660	$ 7.0660
13	TransCanada	FT	Parkway	E. Hereford	CAD-1	$ 17.7546	$ 17.7546	$ 17.7546	$ 17.7546	$ 17.7546	$ 17.7546	$ 17.7546	$ 17.7546	$ 17.7546	$ 17.7546	$ 17.7546	$ 17.7546
14	Union	M12	Dawn	Parkway	CAD-1	$ 3.0942	$ 3.0942	$ 3.0942	$ 3.0942	$ 3.0942	$ 3.0942	$ 3.0942	$ 3.0942	$ 3.0942	$ 3.0942	$ 3.0942	$ 3.0942

Variable Transportation Commodity Rates ($/Dth)

Line	Pipeline	Rate Schedule	Receipt	Delivery	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
15	Algonquin	AFT-1	N/A	N/A	AGT-1 (Max Commodity, Surcharge), FERC-1 (ACA)	$ 0.0340	$ 0.0054	$ 0.0054	$ 0.0054	$ 0.0054	$ 0.0054	$ 0.0054	$ 0.0054	$ 0.0054	$ 0.0054	$ 0.0054	$ 0.0054
16	Algonquin	AFT-1 (AB)	N/A	N/A	AGT-1 (Surcharge), FERC-1 (ACA), See Note 1.	$ (0.0589)	$ (0.0589)	$ (0.0589)	$ (0.0589)	$ (0.0589)	$ (0.0589)	$ (0.0589)	$ (0.0589)	$ (0.0589)	$ (0.0589)	$ (0.0589)	$ (0.0589)
17	Granite	FT-NN	N/A	N/A	GSGT-1 (Commodity), FERC-1 (ACA)	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
18	Iroquois	RTS-1	Zone 1	Zone 1	IGTS-1 (Commodity), FERC-1 (ACA)	$ 0.0046	$ 0.0046	$ 0.0046	$ 0.0046	$ 0.0046	$ 0.0046	$ 0.0046	$ 0.0046	$ 0.0046	$ 0.0046	$ 0.0046	$ 0.0046
19	Maritimes	MN365	N/A	N/A	MNUS-1 (Commodity), FERC-1 (ACA)	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
20	PNGTS	FT (C2C)	N/A	N/A	FERC-1 (ACA)	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
21	PNGTS	FT (PXP)	N/A	N/A	PNGTS-7 (PXP Commodity), FERC-1 (ACA)	$ 0.0103	$ 0.0103	$ 0.0103	$ 0.0103	$ 0.0103	$ 0.0103	$ 0.0103	$ 0.0103	$ 0.0103	$ 0.0103	$ 0.0103	$ 0.0103
22	Tennessee	FT-A	Zone 0	Zone 6	TGP-2 (PS/GHG), TGP-3 (EPCR), TGP-5, FERC-1	$ 0.2881	$ 0.2881	$ 0.2881	$ 0.2881	$ 0.2881	$ 0.2881	$ 0.2881	$ 0.2881	$ 0.2881	$ 0.2881	$ 0.2881	$ 0.2881
23	Tennessee	FT-A	Zone L	Zone 6	TGP-2 (PS/GHG), TGP-3 (EPCR), TGP-5, FERC-1	$ 0.2513	$ 0.2513	$ 0.2513	$ 0.2513	$ 0.2513	$ 0.2513	$ 0.2513	$ 0.2513	$ 0.2513	$ 0.2513	$ 0.2513	$ 0.2513
24	Tennessee	FT-A	Zone 4	Zone 6	TGP-2 (PS/GHG), TGP-3 (EPCR), TGP-5, FERC-1	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983	$ 0.0983
25	Tennessee	FT-A	Zone 5	Zone 6	TGP-2 (PS/GHG), TGP-3 (EPCR), TGP-5, FERC-1	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746	$ 0.0746
26	Union	M12	Dawn	Parkway	CAD-1	$ 0.0253	$ 0.0253	$ 0.0253	$ 0.0253	$ 0.0253	$ 0.0253	$ 0.0253	$ 0.0253	$ 0.0253	$ 0.0253	$ 0.0253	$ 0.0253
27	Texas Eastern	FT-1/FTS	M3	M3	TGP-2 (PS/GHG), TGP-3 (EPCR), TGP-5, FERC-1	$ 0.0587	$ 0.0587	$ 0.0587	$ 0.0587	$ 0.0587	$ 0.0587	$ 0.0587	$ 0.0587	$ 0.0587	$ 0.0587	$ 0.0587	$ 0.0587

Transportation Fuel Rates (Percentage)

Line	Pipeline	Rate Schedule	Receipt	Delivery	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
28	Algonquin	AFT-1	N/A	N/A	AGT-2	0.93%	0.97%	0.97%	0.97%	0.97%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%
29	Algonquin	AFT-1 (AB)	N/A	N/A	AGT-2	3.75%	5.38%	5.38%	5.38%	5.38%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%
30	Granite	FT-NN	N/A	N/A	GSGT-1	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
31	Iroquois	RTS-1	Zone 1	Zone 1	IGTS-3	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%
32	Maritimes	MN365	N/A	N/A	MNUS-3	0.68%	0.68%	0.68%	0.68%	0.68%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
33	PNGTS	FT (C2C)	N/A	N/A	PNGTS-5 (Measurement Variance)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
34	PNGTS	FT (PXP)	N/A	N/A	PNGTS-5 (Measurement Variance), PNGTS-6 (PXP Fuel)	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
35	Tennessee	FT-A	Zone 0	Zone 6	TGP-3	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%
36	Tennessee	FT-A	Zone L	Zone 6	TGP-3	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%
37	Tennessee	FT-A	Zone 4	Zone 6	TGP-3	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
38	Tennessee	FT-A	Zone 5	Zone 6	TGP-3	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
39	Texas Eastern	FT-1/FTS	M3	M3	TETLP-3&4	1.44%	1.51%	1.70%	1.70%	1.70%	1.44%	1.44%	1.44%	1.44%	1.44%	1.44%	1.44%
40	TransCanada	FT	Parkway	E. Hereford	CAD-7	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
41	Union	M12	Dawn	Parkway	CAD-8	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%

Northern Utilities, Inc. Underground Storage Contract Rates November 2021 through October 2022										
Line	Storage	Rate Schedule	Notes	Reference	Space Rate	Demand Rate	Withdrawal Rate	Withdrawal Fuel Loss	Injection Rate	Injection Fuel Loss
1	Tennessee	FS-MA		TGP-5 (2021 TGP Settlement Rates), TGP-4 (Inj Fuel)	$ 0.0175	$ 1.2801	$ 0.0087	0.00%	$ 0.0087	1.62%
2	Union	Storage	1	CAD-9	$ 0.0592	$ -	$ 0.0059	0.60%	$ 0.0059	0.60%

Note 1 The demand charge for Union Storage shall be $236,666.67 per month divided by Maximum Storage Balance of 4,000,000 Dth.
The Withdrawal Rate and Injection Rate are equal to contractual variable rate converted from $CAD/GJ to $USD/Dth. Calculations are on CAD-1.

ALGONQUIN GAS TRANSMISSION, LLC

SUMMARY OF RATES

Effective Rates 12/01/2020

RATE SCHEDULE AFT-1

	Reservation	Commodity Max	Commodity Min	Authorized Overrun Max	Authorized Overrun Min	Capacity Release Vol Res	System Balancing Surcharge (Credit) Rate Non Beverly	System Balancing Surcharge (Credit) Rate Beverly
(F-1/WS-1)	$ 8.5927	$0.0042	$0.0042	$0.2867	$0.0042	$0.2825	$0.0286	$0.0200
(F-2/F-3)	$ 8.5927	$0.0042	$0.0042	$0.2867	$0.0042	$0.2825	$0.0286	$0.0200
(F-4)	$ 8.5927	$0.0042	$0.0042	$0.2867	$0.0042	$0.2825	$0.0286	$0.0200
(STB/SS-3)	$ 8.5927	$0.0042	$0.0042	$0.2867	$0.0042	$0.2825	$0.0286	$0.0200
(FTP)	$ 8.5927	$0.0042	$0.0042	$0.2867	$0.0042	$0.2825	$0.0286	$0.0200
(PSS-T)	$ 8.5626	$0.0000	$0.0000	$0.2815	$0.0000	$0.2815	$0.0286	$0.0200
(AFT-2)	$ 8.5927	$0.0042	$0.0042	$0.2867	$0.0042	$0.2825	$0.0286	$0.0200
(AFT-3)	$ 8.7363	$0.0000	$0.0000	$0.2872	$0.0000	$0.2872	$0.0286	$0.0200
(AFT-5)	$ 8.5927	$0.0042	$0.0042	$0.2867	$0.0042	$0.2825	$0.0286	$0.0200
(ITP)	$ 8.5927	$0.0042	$0.0042	$0.2867	$0.0042	$0.2825	$0.0286	$0.0200
(X-35)	$ 8.5927	$0.0042	$0.0042	$0.2867	$0.0042	$0.2825	$0.0286	$0.0200
(X-39)	$ 8.5927	$0.0042	$0.0042	$0.2867	$0.0042	$0.2825	$0.0286	$0.0200
Tiverton	$ 8.5927	$0.0042	$0.0042	$0.2867	$0.0042	$0.2825	$0.0286	$0.0200
Incremental								
Hubline	**$ 9.4048**	**$0.0042**	**$0.0042**	**$0.3134**	**$0.0042**	**$0.3092**	**$0.0286**	**$0.0200***
Secondary Surcharge 1/		**$0.0267**	**$0.0000**				**$0.0286**	**$0.0200**
Ramapo	**$ 8.7496**	**$0.0126**	**$0.0126**	**$0.3003**	**$0.0126**	**$0.2877**	**$0.0487**	**$0.0341**
AIM	**$33.3680**	**$0.0155**	**$0.0155**	**$1.1125**	**$0.0155**	**$1.0970**	**$0.0536**	**$0.0375**
Atlantic Br.	**$55.6932**	**$0.0115**	**$0.0115**	**$1.8425**	**$0.0115**	**$1.8310**	**-$0.0601**	**-$0.0420**

***For Deliveries off of Hubline Facilities**

RATE SCHEDULE AFT-1S

	Reservation	Commodity Max	Commodity Min	Authorized Overrun Max	Authorized Overrun Min	Capacity Release Vol Res	System Balancing Surcharge (Credit) Rate Non Beverly	System Balancing Surcharge (Credit) Rate Beverly
(F-1/WS-1)	**$ 3.4371**	**$0.2867**	**$0.0042**	**$0.2867**	**$0.0042**	**$0.1130**	**$0.0286**	**$0.0200**
(F-2/F-3)	**$ 3.4371**	**$0.2867**	**$0.0042**	**$0.2867**	**$0.0042**	**$0.1130**	**$0.0286**	**$0.0200**
(F-4)	**$ 3.4371**	**$0.2867**	**$0.0042**	**$0.2867**	**$0.0042**	**$0.1130**	**$0.0286**	**$0.0200**
(STB/SS-3)	**$ 3.4371**	**$0.2867**	**$0.0042**	**$0.2867**	**$0.0042**	**$0.1130**	**$0.0286**	**$0.0200**
(Hubline) 2/		**$0.0267**	**$0.0000**				**$0.0286**	**$0.0200***

***For Deliveries off of Hubline Facilities**

OTHER FIRM RATE SCHEDULES

	Reservation	Commodity Max	Commodity Min	Authorized Overrun Max	Authorized Overrun Min	Capacity Release Vol Res	System Balancing Surcharge (Credit) Rate Non Beverly	System Balancing Surcharge (Credit) Rate Beverly
AFT-E	**$ 8.5927**	**$0.0042**	**$0.0042**	**$0.2867**	**$0.0042**	**$0.2825**	**$0.0286**	**$0.0200**
(Hubline) 2/		**$0.0267**	**$0.0000**				**$0.0286**	**$0.0200***
AFT-ES	**$ 3.4371**	**$0.2867**	**$0.0042**	**$0.2867**	**$0.0042**	**$0.1130**	**$0.0286**	**$0.0200**
(Hubline) 2/		**$0.0267**	**$0.0000**				**$0.0286**	**$0.0200***
T-1	**$ 1.6687**	**$0.0042**		**$0.0591**			**$0.0286**	**$0.0200**
AFT-4	**$ 8.5927**	**$0.0042**	**$0.0042**	**$0.2867**	**$0.0042**	**$0.2825**	**$0.0286**	**$0.0200**
AFT-CL:								
Canal	**$ 0.5111**	**$0.0000**	**$0.0000**	**$0.0168**	**$0.0000**	**$0.0168**		
Middletown	**$ 0.7872**	**$0.0000**	**$0.0000**	**$0.0259**	**$0.0000**	**$0.0259**		
Cleary	**$ 0.3758**	**$0.0000**	**$0.0000**	**$0.0124**	**$0.0000**	**$0.0124**		
Lake Road	**$ 0.2224**	**$0.0000**	**$0.0000**	**$0.0073**	**$0.0000**	**$0.0073**		
Manchester	**$ 1.6789**	**$0.0000**	**$0.0000**	**$0.0552**	**$0.0000**	**$0.0552**		
Bellingham	**$ 0.3715**	**$0.0000**	**$0.0000**	**$0.0122**	**$0.0000**	**$0.0122**		
Phelps Dodge	**$ 0.0000**	**$0.0166**	**$0.0000**	**$0.0166**	**$0.0000**	**$0.0000**		
Cape Cod	**$ 3.3204**	**$0.0000**	**$0.0000**	**$0.1092**	**$0.0000**	**$0.1092**		
Northeast Gateway	**$ 2.4859**	**$0.0000**	**$0.0000**	**$0.0817**	**$0.0000**	**$0.0817**		
J-2 Facility	**$ 2.3731**	**$0.0000**	**$0.0000**	**$0.0780**	**$0.0000**	**$0.0780**		
Kleen Energy	**$ 0.8035**	**$0.0000**	**$0.0000**	**$0.0264**	**$0.0000**	**$0.0264**		
Salem	**$ 7.3635**	**$0.0000**	**$0.0000**	**$0.2421**	**$0.0000**	**$0.2421**		
West Roxbury	**$15.5204**	**$0.0000**	**$0.0000**	**$0.5103**	**$0.0000**	**$0.5103**		
X-33	**$ 2.7241**	**$0.0000**		**$0.0896**			**$0.0286**	**$0.0200**

***For Deliveries off of Hubline Facilities**

INTERRUPTIBLE SERVICE

	Commodity		Authorized Overrun		System Balancing Surcharge (Credit) Rate	
	Max	Min	Max	Min	Non Beverly	Beverly
AIT-1	$0.2867	$0.0042	$0.2867	$0.0042	$0.0286	$0.0200
(Hubline 2/)	$0.0267	$0.0000			$0.0286	$0.0200*
AIT-2						
Manchester	$0.0552	$0.0000	$0.0552	$0.0000		
Canal	$0.0168	$0.0000	$0.0168	$0.0000		
Cape Cod	$0.1092	$0.0000	$0.1092	$0.0000		
Northeast Gateway	$0.0817	$0.0000	$0.0817	$0.0000		
J-2 Facility	$0.0780	$0.0000	$0.0780	$0.0000		
Kleen Energy	$0.0264	$0.0000	$0.0264	$0.0000		
Salem	$0.2421	$0.0000	$0.2421	$0.0000		
West Roxbury	$0.5103	$0.0000	$0.5103	$0.0000		
PAL	$0.2867	$0.0000	$0.0000	$0.0000	$0.0286	$0.0200

TITLE TRANSFER TRACKING SERVICE

	Max	Min
TTT	$5.3900	$0.0000

Rates are per MMBTU. Rate excludes the Annual Charge Adjustment (ACA) Surcharge. The ACA Commodity Surcharge to applicable customers, pursuant to Section 34 of the General Terms and Conditions.

FUEL REIMBURSEMENT PERCENTAGES

Period	Duration	FRP
System Services 1/		
Winter	Dec 1 - Mar 31	0.97%
Spring, Summer and Fall	Apr 1 - Nov 30	0.93%
Incremental Ramapo Service 1/		
Winter	Dec 1 - Mar 31	1.82%
Spring, Summer and Fall	Apr 1 - Nov 30	1.40%
Incremental AIM Service 1/		
Winter	Dec 1 - Mar 31	3.46%
Spring, Summer and Fall	Apr 1 - Nov 30	2.74%
Incremental Atlantic Bridge Service 1/		
Winter	Dec 1 - Mar 31	5.38%
Spring, Summer and Fall	Apr 1 - Nov 30	3.75%

1/ For all receipt points other than Beverly, Meter No. 00215

Period	Duration	FRP
System Services - Beverly Receipts/Non-Hubline Deliveries		
Winter	Dec 1 - Mar 31	0.64%
Spring, Summer and Fall	Apr 1 - Nov 30	0.69%
Incremental Ramapo Service - Beverly Receipts/Non-Hubline Deliveries		
Winter	Dec 1 - Mar 31	1.18%
Spring, Summer and Fall	Apr 1 - Nov 30	0.00%
Incremental AIM Service - Beverly Receipts/Non-Hubline Deliveries		
Winter	Dec 1 - Mar 31	0.10%
Spring, Summer and Fall	Apr 1 - Nov 30	0.00%
Incremental Atlantic Bridge Service - Beverly Receipts/Non-Hubline Deliveries		
Winter	Dec 1 - Mar 31	4.31%
Spring, Summer and Fall	Apr 1 - Nov 30	0.00%

2/ Hubline Surcharge applicable to all customers utilizing secondary receipt points between and including Beverly and Weymouth and/or utilizing secondary delivery points between Beverly and Weymouth,including Beverly and excluding Weymouth,and in addition to other applicable charges.

The Summary of Rates serves as a handy reference and does not replace Algonquin's Tariff. The rates are subject to commission approval.

STATEMENT OF NEGOTIATED RATES 1/2/3/4/5/9/

Customer Name: Northern Utilities, Inc. d/b/a Unitil

Service Agreement: 510939

Term of Negotiated Rate: The term of this negotiated rate commences on the Service Commencement Date (as defined in the Precedent Agreement between Pipeline and Customer) of Contract No. 510939 and continues for the Primary Term (as such term is defined in the Precedent Agreement and Contract No. 510939. In the event Customer exercises its one-time option to extend the Primary Term of Contract No. 510939 for up to 100% of the MDTQ, then (a) Pipeline and Customer will amend the Negotiated Rate to reflect the extension of the term of the Negotiated Rate for an additional (i) five (5) years at a new negotiated reservation rate equal to $45.124 per Dth per month or (ii) ten (10) years at a new negotiated reservation rate equal to $43.375 per Dth per month for the elected volume, or (b) if Customer elects to extend the Primary Term of Contract No. 510939 at the then-effective maximum recourse reservation rate, then the term of the Negotiated Rate will expire at the end of the Primary Term. 10/11/

Rate Schedule: AFT-1 [Atlantic Bridge Project]

MDTQ: 7,599 Dth/d

Reservation Rate: Customer shall pay a negotiated reservation rate of $54.917 per Dth, per month of Customer's MDTQ under Contract No. 510939 during the Primary Term thereof. 3/6/8/

Commodity Charge and Other Charges: 7/

Primary Receipt Point: 4/

Mahwah (Meter No. 00201) – 7,599 Dth/d
Ramapo (Meter No. 00214) – 7,599 Dth/d

Primary Delivery Point: 4/

Beverly (Meter No. 01215) – 7,599 Dth/d

Recourse Rate(s): The Recourse Rate(s) applicable to this service is the applicable maximum rate(s) stated on Pipeline's Statement of Rates for Rate Schedule AFT-1 [Atlantic Bridge Project] at the applicable time.

FOOTNOTES:

1/ This negotiated rate transaction does not deviate in any material respect from the form of service agreement set forth in Pipeline's FERC Gas Tariff.

replaced with the adjusted Reservation Rate and adjusted term extension rates, which are the applicable rates updated to reflect the cost sharing rate adjustment set forth in footnote 3.

7/ Customer shall pay: (i) a commodity charge which shall be zero for the quantity of gas, in Dekatherms, delivered during the applicable Day under Pipeline's Rate Schedule AFT-1 for the Project; (ii) the applicable Fuel Reimbursement Quantity ("FRQ") under Pipeline's Rate Schedule AFT-1 for the Project; (iii) the applicable Annual Charge Adjustment and all other charges and surcharges applicable to Rate Schedule AFT-1 for the Project; and (iv) any future surcharge or additional usage charge pursuant to any FERC-approved cost recovery mechanism of general applicability implemented in a generic proceeding or in a Pipeline specific proceeding, which mechanism recovers cost components not reflected in Pipeline's initial recourse rate(s) applicable to service under Pipeline's Rate Schedule AFT-1 for the Project.

8/ **Most Favored Nations (MFN)**

(a) MFN Related to Service on the Project and Future Expansions–In the event Pipeline enters into a long-term firm transportation service agreement under Rate Schedule AFT-1, or any similar, firm non-lateral only transportation rate schedule for service on Pipeline's mainline, (i) prior to the in-service date of the Project for service on the Project or (ii) for a period within ten years following the in-service date of the Project for incremental expansion service under any future project, with any customer who is similarly situated to Customer, and such customer's reservation rate is less than Customer's Reservation Rate, Pipeline will promptly offer Customer the same reservation rate as such other customer, or an agreed rate as set forth in subpart (b)(iii), provided that, in the case of subpart (a)(ii) for incremental expansion service under any future project, all the requirements of subpart (b) are met. If Customer is willing to accept such reservation rate, Customer must do so under the same or substantially similar terms and conditions of service of the Algonquin Tariff or other Commission-approved provisions and the same or substantially similar rate related provisions applicable to such other customer, and as further described in subparts (c) and (d) below. For purposes of this footnote 8, Customer will be considered "similarly situated" to another Project customer or Qualifying Incremental Project Customer (as such latter term is defined in subpart (b)(ii) below) if Customer meets the criteria in subparts (a) and/or (b), as applicable, and in either case, if Customer is receiving firm transportation service under a service agreement (and rate agreement, if applicable) under the same or substantially similar terms and conditions of service of the Algonquin Tariff or other Commission-approved provisions and the same or substantially similar rate/rate related provisions as such Project customer or Qualifying Incremental Project Customer ("Similarly Situated Customer").

(b) Interrelationship to Future Expansions

(i) Determination of Indicative Rate - Except as otherwise provided herein, in the event Pipeline enters into a long-term firm transportation service agreement (i.e., one year or longer) under Rate Schedule AFT-1, or any similar firm non-lateral only transportation rate schedule for service using Pipeline's mainline, for service on an incremental expansion project of comparable scope with any Similarly Situated Customer all of whose Primary Receipt Point(s) are located at or upstream of the Mahwah Interconnect and all of whose Primary Delivery Point(s) are located at or downstream of the HubLine Interconnection (i.e., the point on Algonquin's I-9 line between Fore River 803 and Potter 081 near the town of Weymouth that Algonquin identifies as interconnection of its

Canadian Tolls

Line	Item	Units	TCPL and Enbridge Tolls	Reference
1	Union Parkway Belt to East Hereford on TCPL			
2	Demand Toll	$CAD / GJ	$ 19.27504	CAD-3
3	Delivery Pressure Demand Toll	$CAD / GJ	$ 0.60833	CAD-2
4	Abandonment Surcharge	$CAD / GJ	$ 1.14671	CAD-4
5	Total Demand Toll	$CAD / GJ	$ 21.03008	Sum of Above
6	$USD to $CAD	Ratio	1.2497	CAD-6
7	Total Demand Toll	$US / GJ	$ 16.8281	Line 5 divided by Line 6
8	GJ per Dth	Ratio	1.055056	
9	Total Demand Toll	$US / Dth	$ 17.7546	Line 7 divided by Line 8
10				
11	Dawn to Parkway on Enbridge Gas, Inc. Pipeline			
12	Total Demand Toll	$CAD / GJ	$ 3.6650	CAD-5
13	$USD to $CAD	Ratio	1.2497	CAD-6
14	Total Demand Toll	$US / GJ	$ 2.9327	Line 12 divided by Line 13
15	GJ per Dth	Ratio	1.055056	
16	Total Demand Toll	$US / Dth	$ 3.0942	Line 14 divided by Line 15
17				
18	Dawn to Parkway on Enbridge Gas, Inc. Pipeline			
19	Facility Carbon Charge	$CAD / GJ	$ 0.0300	CAD-5
20	$USD to $CAD	Ratio	1.2497	CAD-6
21	Total Demand Toll	$US / GJ	$ 0.0240	Line 12 divided by Line 13
22	GJ per Dth	Ratio	1.055056	
23	Facility Carbon Charge	$US / Dth	$ 0.0253	Line 14 divided by Line 15
24				
18	Enbridge Gas, Inc. Storage Injection/Withdrawal Charges			
19	Variable Storage Charges	$CAD / GJ	$ 0.0070	CAD-9
20	$USD to $CAD	Ratio	1.2497	CAD-6
21	Variable Storage Charges	$US / GJ	$ 0.0056	Line 12 divided by Line 13
22	GJ per Dth	Ratio	1.055056	
23	Variable Storage Charges	$US / Dth	$ 0.0059	Line 14 divided by Line 15

North Bay Junction Long Term Fixed Price (NBJ LTFP) Service

Line No.	Particulars	Monthly Toll ($/GJ/MO)	Daily Equivalent ($/GJ)
	(a)	(b)	(c)
1	NBJ LTFP	28.28750	0.9300
2	NBJ LTFP Differential Surcharge	0.00000	0.0000

Note: The toll for NBJ LTFP is inclusive of the applicable Abandonment Surcharge for FT service from Empress to North Bay Junction.
The NBJ LTFP Differential Surcharge is zero provided the Abandonment Surcharge for FT service from Empress to North Bay Junction is equal or less than $6.69167/GJ/Month.

Enhanced Market Balancing Service

Line No	Particulars	Monthly Toll (2021) ($/GJ/MO)	Daily Equivalent (2021) ($/GJ)	Monthly Toll (2022-2026) ($/GJ/MO)	Daily Equivalent (2022-2026) ($/GJ)
	(a)	(b)	(c)	(d)	(e)
3	Union Parkway Belt to Union EDA	9.92374	0.3262	9.92374	0.3262

Delivery Pressure

Line No	Particulars	Monthly Toll ($/GJ/MO)	Daily Equivalent ($/GJ)
	(a)	(b)	(c)
4	Average Delivery Pressure Toll	0.60833	0.0200

Note: Delivery Pressure toll applies to the following locations: Emerson 1 , Emerson 2, Union SWDA, Enbridge SWDA, Dawn Export, Niagara Falls, Iroquois, Chippawa and East Hereford.
The Daily Equivalent Toll is only applicable to STS Injections, IT, Diversions, and STFT.

Union Dawn Receipt Point Surcharge

Line No	Particulars	Monthly Toll (2021) ($/GJ/MO)	Daily Equivalent (2021) ($/GJ)	Monthly Toll (2022-2026) ($/GJ/MO)	Daily Equivalent (2022-2026) ($/GJ)
	(a)	(b)	(c)	(d)	(e)
5	Union Dawn Receipt Point Surcharge	0.13135	0.0043	0.13135	0.0043

Short Notice Balancing (SNB) Service

Line No.	Particulars	Monthly Toll ($/GJ/MO)	Daily Equivalent ($/GJ)
	(a)	(b)	(c)
6	SNB Toll	2.97597	0.0978

Note: This SNB Toll is a representative toll for the Eastern Region.

Energy Deficient Gas Allowance (EDGA) Service

Line No	Particulars	Capacity Charge (2021) ($/GJ/D)	Capacity Charge (2022-2026) ($/GJ/D)
	(a)	(b)	(b)
7	Western Section	0.9982	0.9388
8	Eastern Section	0.3302	0.3302

Note: The EDGA Service capacity charge for the Western Section is the effective Empress to North Bay Junction FT Toll and the capacity charge for the Eastern Section is the effective Parkway to North Bay Junction FT Toll.
The EDGA Service fuel charge for the Western Section includes the effective Empress to North Bay Junction monthly fuel ratio and the fuel charge for the Eastern Section includes the effective Parkway to North Bay Junction monthly fuel ratio.

Line No.	Receipt Point	Delivery Point	FT Toll (2021) ($/GJ/Month)	Daily Equivalent FT for IT / STFT (2021) ($/GJ)	FT Toll (2022-2026) ($/GJ/Month)	Daily Equivalent FT for IT / STFT (2022-2026) ($/GJ)
1	Union NDA	Enbridge CDA	-	0.4489	-	0.4482
2	Union NDA	Enbridge Parkway CDA	-	0.4544	-	0.4537
3	Union NDA	Enbridge EDA	-	0.4776	-	0.4769
4	Union NDA	KPUC EDA	-	0.5755	-	0.5748
5	Union NDA	Energir EDA	-	0.6356	-	0.6348
6	Union NDA	Enbridge SWDA	-	0.6022	-	0.6014
7	Union NDA	Union SWDA	-	0.6036	-	0.6029
8	Union NDA	Chippawa	-	0.5424	-	0.5417
9	Union NDA	Cornwall	-	0.5231	-	0.5224
10	Union NDA	East Hereford	-	0.7551	-	0.7544
11	Union NDA	Emerson 1	-	0.6495	-	0.6135
12	Union NDA	Emerson 2	-	0.6495	-	0.6135
13	Union NDA	Iroquois	-	0.5015	-	0.5008
14	Union NDA	Kirkwall	-	0.4793	-	0.4785
15	Union NDA	Napierville	-	0.6232	-	0.6225
16	Union NDA	Niagara Falls	-	0.5408	-	0.5401
17	Union NDA	North Bay Junction	-	0.1249	-	0.1241
18	Union NDA	Philipsburg	-	0.6346	-	0.6339
19	Union NDA	Spruce	-	0.5990	-	0.5665
20	Union NDA	St. Clair	-	0.6177	-	0.6170
21	Union NDA	Welwyn	-	0.7378	-	0.6959
22	Union NDA	Dawn Export	-	0.6022	-	0.6014
23	Union Parkway Belt	Empress	38.33717	1.2604	36.52433	1.2008
24	Union Parkway Belt	TransGas SSDA	34.49250	1.1340	32.93821	1.0829
25	Union Parkway Belt	Centram SSDA	31.72763	1.0431	30.35888	0.9981
26	Union Parkway Belt	Centram MDA	29.00533	0.9536	27.81908	0.9146
27	Union Parkway Belt	Centrat MDA	29.57717	0.9724	28.49738	0.9369
28	Union Parkway Belt	Union WDA	24.64054	0.8101	23.89229	0.7855
29	Union Parkway Belt	Nipigon WDA	22.51746	0.7403	21.91217	0.7204
30	Union Parkway Belt	Union NDA	13.82133	0.4544	13.80004	0.4537
31	Union Parkway Belt	Calstock NDA	18.94350	0.6228	18.57850	0.6108
32	Union Parkway Belt	Tunis NDA	16.12996	0.5303	15.95354	0.5245
33	Union Parkway Belt	Energir NDA	13.74529	0.4519	13.73008	0.4514
34	Union Parkway Belt	Union SSMDA	16.67746	0.5483	16.31854	0.5365
35	Union Parkway Belt	Union NCDA	6.64604	0.2185	6.64604	0.2185
36	Union Parkway Belt	Union CDA	4.16100	0.1368	4.16100	0.1368
37	Union Parkway Belt	Union ECDA	3.47358	0.1142	3.47358	0.1142
38	Union Parkway Belt	Union EDA	9.02158	0.2966	9.02158	0.2966
39	Union Parkway Belt	Union Parkway Belt	2.92000	0.0960	2.92000	0.0960
40	Union Parkway Belt	Enbridge CDA	4.55946	0.1499	4.55946	0.1499
41	Union Parkway Belt	Enbridge Parkway CDA	2.92000	0.0960	2.92000	0.0960
42	Union Parkway Belt	Enbridge EDA	12.02067	0.3952	12.02067	0.3952
43	Union Parkway Belt	KPUC EDA	8.94250	0.2940	8.94250	0.2940
44	Union Parkway Belt	Energir EDA	15.63721	0.5141	15.63721	0.5141
45	Union Parkway Belt	Enbridge SWDA	7.41558	0.2438	7.41558	0.2438
46	Union Parkway Belt	Union SWDA	7.45817	0.2452	7.45817	0.2452
47	Union Parkway Belt	Chippawa	5.59667	0.1840	5.59667	0.1840
48	Union Parkway Belt	Cornwall	12.21838	0.4017	12.21838	0.4017
49	Union Parkway Belt	East Hereford	19.27504	0.6337	19.27504	0.6337
50	Union Parkway Belt	Emerson 1	27.28071	0.8969	26.21004	0.8617
51	Union Parkway Belt	Emerson 2	27.28071	0.8969	26.21004	0.8617
52	Union Parkway Belt	Iroquois	11.37888	0.3741	11.37888	0.3741
53	Union Parkway Belt	Kirkwall	3.67738	0.1209	3.67738	0.1209
54	Union Parkway Belt	Napierville	15.26004	0.5017	15.26004	0.5017
55	Union Parkway Belt	Niagara Falls	5.55104	0.1825	5.55104	0.1825
56	Union Parkway Belt	North Bay Junction	10.04358	0.3302	10.04358	0.3302
57	Union Parkway Belt	Philipsburg	15.60679	0.5131	15.60679	0.5131
58	Union Parkway Belt	Spruce	29.57717	0.9724	28.49738	0.9369
59	Union Parkway Belt	St. Clair	7.88704	0.2593	7.88704	0.2593
60	Union Parkway Belt	Welwyn	31.72763	1.0431	30.35888	0.9981
61	Union Parkway Belt	Dawn Export	7.41558	0.2438	7.41558	0.2438
62	Union SSMDA	Empress	-	0.8516	-	0.8020
63	Union SSMDA	TransGas SSDA	-	0.7252	-	0.6841
64	Union SSMDA	Centram SSDA	-	0.6344	-	0.5994
65	Union SSMDA	Centram MDA	-	0.5448	-	0.5158
66	Union SSMDA	Centrat MDA	-	0.5385	-	0.5100
67	Union SSMDA	Union WDA	-	0.7145	-	0.6741
68	Union SSMDA	Nipigon WDA	-	1.0474	-	1.0178
69	Union SSMDA	Union NDA	-	0.8256	-	0.8110
70	Union SSMDA	Calstock NDA	-	0.9938	-	0.9678
71	Union SSMDA	Tunis NDA	-	0.9013	-	0.8815
72	Union SSMDA	Energir NDA	-	0.8229	-	0.8084
73	Union SSMDA	Union SSMDA	-	0.0960	-	0.0960
74	Union SSMDA	Union NCDA	-	0.6708	-	0.6590
75	Union SSMDA	Union CDA	-	0.5412	-	0.5295
76	Union SSMDA	Union ECDA	-	0.5659	-	0.5541
77	Union SSMDA	Union EDA	-	0.7488	-	0.7371
78	Union SSMDA	Union Parkway Belt	-	0.5483	-	0.5365
79	Union SSMDA	Enbridge CDA	-	0.5955	-	0.5837
80	Union SSMDA	Enbridge Parkway CDA	-	0.5483	-	0.5365
81	Union SSMDA	Enbridge EDA	-	0.8475	-	0.8357

TransCanada PipeLines Limited

Line No.	Receipt Point	Delivery Point	Abandonment Surcharge ($/GJ/Month)	Daily Equivalent Abandonment Surcharge ($/GJ)
1	Union Parkway Belt	Union NDA	0.67829	0.0223
2	Union Parkway Belt	Calstock NDA	1.32313	0.0435
3	Union Parkway Belt	Tunis NDA	0.97029	0.0319
4	Union Parkway Belt	Energir NDA	0.66917	0.0220
5	Union Parkway Belt	Union SSMDA	1.16192	0.0382
6	Union Parkway Belt	Union NCDA	0.27983	0.0092
7	Union Parkway Belt	Union CDA	0.10950	0.0036
8	Union Parkway Belt	Union ECDA	0.06388	0.0021
9	Union Parkway Belt	Union EDA	0.44408	0.0146
10	Union Parkway Belt	Union Parkway Belt	0.02433	0.0008
11	Union Parkway Belt	Enbridge CDA	0.13688	0.0045
12	Union Parkway Belt	Enbridge Parkway CDA	0.02433	0.0008
13	Union Parkway Belt	Enbridge EDA	0.65092	0.0214
14	Union Parkway Belt	KPUC EDA	0.43800	0.0144
15	Union Parkway Belt	Energir EDA	0.89729	0.0295
16	Union Parkway Belt	Enbridge SWDA	0.33458	0.0110
17	Union Parkway Belt	Union SWDA	0.33763	0.0111
18	Union Parkway Belt	Chippawa	0.20683	0.0068
19	Union Parkway Belt	Cornwall	0.66308	0.0218
20	Union Parkway Belt	East Hereford	1.14671	0.0377
21	Union Parkway Belt	Emerson 1	2.49721	0.0821
22	Union Parkway Belt	Emerson 2	2.49721	0.0821
23	Union Parkway Belt	Iroquois	0.60529	0.0199
24	Union Parkway Belt	Kirkwall	0.07604	0.0025
25	Union Parkway Belt	Napierville	0.87296	0.0287
26	Union Parkway Belt	Niagara Falls	0.20379	0.0067
27	Union Parkway Belt	North Bay Junction	0.51404	0.0169
28	Union Parkway Belt	Philipsburg	0.89729	0.0295
29	Union Parkway Belt	Spruce	2.66450	0.0876
30	Union Parkway Belt	St. Clair	0.36500	0.0120
31	Union Parkway Belt	Welwyn	3.05688	0.1005
32	Union Parkway Belt	Dawn Export	0.33458	0.0110
33	Union SSMDA	Empress	-	0.0979
34	Union SSMDA	TransGas SSDA	-	0.0819
35	Union SSMDA	Centram SSDA	-	0.0705
36	Union SSMDA	Centram MDA	-	0.0592
37	Union SSMDA	Centrat MDA	-	0.0584
38	Union SSMDA	Union WDA	-	0.0806
39	Union SSMDA	Nipigon WDA	-	0.0877
40	Union SSMDA	Union NDA	-	0.0597
41	Union SSMDA	Calstock NDA	-	0.0809
42	Union SSMDA	Tunis NDA	-	0.0693
43	Union SSMDA	Energir NDA	-	0.0594
44	Union SSMDA	Union SSMDA	-	0.0008
45	Union SSMDA	Union NCDA	-	0.0466
46	Union SSMDA	Union CDA	-	0.0377
47	Union SSMDA	Union ECDA	-	0.0394
48	Union SSMDA	Union EDA	-	0.0520
49	Union SSMDA	Union Parkway Belt	-	0.0382
50	Union SSMDA	Enbridge CDA	-	0.0414
51	Union SSMDA	Enbridge Parkway CDA	-	0.0382
52	Union SSMDA	Enbridge EDA	-	0.0587
53	Union SSMDA	KPUC EDA	-	0.0518
54	Union SSMDA	Energir EDA	-	0.0669
55	Union SSMDA	Enbridge SWDA	-	0.0280
56	Union SSMDA	Union SWDA	-	0.0279
57	Union SSMDA	Chippawa	-	0.0416
58	Union SSMDA	Cornwall	-	0.0592
59	Union SSMDA	East Hereford	-	0.0751
60	Union SSMDA	Emerson 1	-	0.0521
61	Union SSMDA	Emerson 2	-	0.0521
62	Union SSMDA	Iroquois	-	0.0573
63	Union SSMDA	Kirkwall	-	0.0365
64	Union SSMDA	Napierville	-	0.0661
65	Union SSMDA	Niagara Falls	-	0.0415
66	Union SSMDA	North Bay Junction	-	0.0543
67	Union SSMDA	Philipsburg	-	0.0668

Effective
2021-07-01
Rate M12
Page 1 of 4

ENBRIDGE GAS INC.
UNION SOUTH
TRANSPORTATION RATES

(A) Applicability

The charges under this schedule shall be applicable to a Shipper who enters into a Transportation Service Contract with Union.

Applicable Points
Dawn as a receipt point: Dawn (TCPL), Dawn (Facilities), Dawn (Tecumseh), Dawn (Vector) and Dawn (TSLE).
Dawn as a delivery point: Dawn (Facilities).

(B) Services

Transportation Service under this rate schedule shall be for transportation on Union's Dawn - Parkway facilities.

(C) Rates

The identified rates represent maximum prices for service. These rates may change periodically.
Multi-year prices may also be negotiated, which may be higher than the identified rates.

	Monthly Demand Charges (applied to daily contract demand)	Fuel and Commodity Charges			
		Union Supplied Fuel	Shipper Supplied Fuel		
		Fuel and Commodity Charge	Fuel		Commodity Charge
	Rate/GJ	Rate/GJ	Ratio %	AND	Rate/GJ
Firm Transportation (1), (5)					
Dawn to Parkway	$3.665	Monthly fuel and commodity rates shall be in accordance with schedule "C".	Monthly fuel ratios shall be in accordance with schedule "C".		
Dawn to Kirkwall	$3.110				
Kirkwall to Parkway	$0.555				
M12-X Firm Transportation					
Between Dawn, Kirkwall and Parkway	$4.530	Monthly fuel and commodity rates shall be in accordance with schedule "C".	Monthly fuel ratios shall be in accordance with schedule "C".		
Limited Firm/Interruptible Transportation (1)					
Dawn to Parkway – Maximum	$8.796	Monthly fuel and commodity rates shall be in accordance with schedule "C".	Monthly fuel ratios shall be in accordance with schedule "C".		
Dawn to Kirkwall – Maximum	$8.796				
Parkway (TCPL / EGT) to Parkway (Cons) / Lisgar (2)	n/a	n/a	0.165%		
Carbon Charge (applied to all quantities transported)					
Facility Carbon Charge		$0.003			$0.003

BANK OF CANADA
BANQUE DU CANADA

Daily Exchange Rates Lookup

All Bank of Canada exchange rates are indicative rates only, obtained from averages of aggregated price quotes from financial institutions. For details, please read our full **Terms and Conditions**.

US dollar (USD)

Date	USD → CAD	CAD → USD
2021-08-05	1.2497	0.8002

TransCanada Fuel Ratios

Service Type	Receipt Location	Delivery Location	From Gas Day	To Gas Day	Combined Ratio
FH	Union Parkway Belt	East Hereford	11/1/2019	11/30/2019	1.48
FH	Union Parkway Belt	East Hereford	12/1/2019	12/31/2019	1.73
FH	Union Parkway Belt	East Hereford	1/1/2020	1/31/2020	1.56
FH	Union Parkway Belt	East Hereford	2/1/2020	2/29/2020	1.54
FH	Union Parkway Belt	East Hereford	3/1/2020	3/31/2020	1.25
FH	Union Parkway Belt	East Hereford	4/1/2020	4/30/2020	1.25
FH	Union Parkway Belt	East Hereford	5/1/2020	5/31/2020	1.21
FH	Union Parkway Belt	East Hereford	6/1/2020	6/30/2020	1.66
FH	Union Parkway Belt	East Hereford	7/1/2020	7/31/2020	1.46
FH	Union Parkway Belt	East Hereford	8/1/2020	8/31/2020	1.14
FH	Union Parkway Belt	East Hereford	9/1/2020	9/30/2020	1.17
FH	Union Parkway Belt	East Hereford	10/1/2020	10/31/2020	1.15
Annual	Union Parkway Belt	East Hereford	11/1/2019	10/31/2020	1.38

SCHEDULE "C"

ENBRIDGE GAS INC.
Union South
M12 Monthly Transportation Fuel Ratios and Fuel Rates
Firm or Interruptible Transportation Commodity
Effective October 1, 2020

	VT1 Easterly Dawn to Parkway (TCPL), Parkway (EGT) With Dawn Compression		VT1 Easterly Dawn to Kirkwall, Lisgar, Parkway (Consumers) With Dawn Compression		M12-X Westerly Kirkwall to Dawn	
Month	Fuel Ratio (%)	Fuel Rate ($/GJ)	Fuel Ratio (%)	Fuel Rate ($/GJ)	Fuel Ratio (%)	Fuel Rate ($/GJ)
April	0.899	0.028	0.559	0.018	0.162	0.005
May	0.640	0.020	0.382	0.011	0.162	0.005
June	0.535	0.018	0.282	0.009	0.162	0.005
July	0.519	0.017	0.269	0.008	0.162	0.005
August	0.414	0.012	0.163	0.005	0.162	0.005
September	0.410	0.012	0.163	0.005	0.162	0.005
October	0.768	0.024	0.472	0.016	0.162	0.005
November	0.915	0.029	0.639	0.020	0.162	0.005
December	1.036	0.033	0.760	0.024	0.162	0.005
January	1.193	0.037	0.902	0.028	0.162	0.005
February	1.133	0.035	0.850	0.028	0.162	0.005
March	1.057	0.034	0.760	0.024	0.162	0.005

	M12-X Easterly Kirkwall to Parkway (TCPL), Parkway (EGT)		M12-X Easterly Kirkwall to Lisgar, Parkway (Consumers)		M12-X Westerly Parkway to Kirkwall, Dawn	
Month	Fuel Ratio (%)	Fuel Rate ($/GJ)	Fuel Ratio (%)	Fuel Rate ($/GJ)	Fuel Ratio (%)	Fuel Rate ($/GJ)
April	0.501	0.017	0.162	0.005	0.307	0.010
May	0.420	0.012	0.162	0.005	0.307	0.010
June	0.415	0.012	0.162	0.005	0.307	0.010
July	0.413	0.012	0.162	0.005	0.307	0.010
August	0.413	0.012	0.162	0.005	0.307	0.010
September	0.409	0.012	0.162	0.005	0.307	0.010
October	0.457	0.014	0.162	0.005	0.307	0.010
November	0.437	0.013	0.162	0.005	0.162	0.005
December	0.437	0.013	0.162	0.005	0.162	0.005
January	0.452	0.013	0.162	0.005	0.162	0.005
February	0.444	0.013	0.162	0.005	0.162	0.005
March	0.459	0.014	0.162	0.005	0.162	0.005

PRICING PROVISIONS

Shipper agrees to pay Union the following for the Storage Services:

(a) **Monthly Demand Charge:** For the period of April, 2018 to March, 2023 inclusive, a monthly demand charge of $236,666.67 US if the Maximum Storage Balance is 4,220,224 GJ (4,000,000 MMBtu); or a monthly demand charge of $201,666.67 US if Shipper elects a lower Maximum Storage Balance of 3,587,190 GJ (3,400,000 MMBtu).

(b) **Demand Charge Escalation:** *Intentionally blank*

(c) **Variable Storage Charges:**

(i) Firm: For each GJ of gas withdrawn from or injected into the Storage Account on a firm basis, a charge equal to $0.007 CDN/GJ;

(ii) Interruptible: For each GJ of gas withdrawn from or injected into the Storage Account on an interruptible basis, a charge equal to the price set out under the heading 'If Shipper supplies fuel Commodity Charge Price/GJ' in the 'Storage Services' section under '(C) Pricing' in the MPSS (currently $0.041CDN/GJ);

(iii) Authorized Overrun: For each GJ of gas withdrawn from or injected into the Storage Account on an authorized overrun basis, a charge equal to the price set out under the heading 'If Shipper supplies fuel Commodity Charge Price/GJ' in the 'Authorized Overrun' section under '(C) Pricing' in the MPSS (currently $0.041CDN/GJ);

(iv) Dehydration Charge: Not Applicable.

(d) **Fuel:**

(i) Firm and Interruptible: For each GJ of gas withdrawn from or injected into the Storage Account on a firm or interruptible basis, an amount of fuel in kind equal to the fuel ratio set out under the heading of 'If Shipper supplies fuel' in the 'Storage Services' section under '(C) Pricing' in the MPSS (currently 0.600%).

(ii) Authorized Overrun: For each GJ of gas withdrawn from or injected into the Storage Account on an authorized overrun basis, an amount of fuel in kind equal to the fuel ratio set out under the heading of 'If Shipper supplies fuel' in the 'Authorized Overrun' section under '(C) Pricing' in the MPSS (currently 1.03%).

(e) **Late Season Balance Charge and Early Season Balance Charge:** *Intentionally blank*

(f) **Shortfall Charge:** *Intentionally blank*

(g) **Other Charges:** Any and all other charges as may be set out in this Contract, and any charges relating to Unauthorized Overrun, Drafted Storage Balance and Overrun of Maximum Storage Balance as set out in the MPSS.

FEDERAL ENERGY REGULATORY COMMISSION
WASHINGTON, D.C. 20426

FY 2021 GAS ANNUAL CHARGES
CORRECTION FOR ANNUAL CHARGES UNIT CHARGE
June 16, 2021

The annual charges unit charge (ACA) to be applied to in fiscal year 2022 for recovery of FY 2021 Current year and 2020 True-Up is **$0.0012** per Dekatherm (Dth). The new ACA surcharge will become effective October 1, 2021.

The following calculations were used to determine the FY 2021 unit charge:

2021 CURRENT:

Estimated Program Cost $73,470,000 divided by 61,333,716,267 Dth	=	0.0011978730

2020 TRUE-UP:

Debit/Credit Cost ($1,115,938) divided by 60,594,054,316 Dth	=	(0.0000184166)
TOTAL UNIT CHARGE	=	0.0011794564

If you have any questions, please contact Raven A. Rodriguez at (202)502-6276 or e-mail at Raven.Rodriguez@ferc.gov.

4.2 Rate Schedule FT-NN
Firm Transportation Service
Currently Effective Rates

	$/Dth	
	Base Tariff Rate	ACA Adj.
Reservation Charge:		
Maximum	$5.9096	N/A
Minimum	$0.0000	N/A
Commodity Charge:		
Maximum	$0.0000	a/
Minimum	$0.0000	a/
Authorized Overrun Commodity Charge:		
Maximum	$0.1943	a/
Minimum	$0.0000	a/
Fuel and Losses Percentage	0.35%	N/A
Volumetric Reservation Charge		
Maximum	$0.1943	a/
Minimum	$0.0000	a/

a/ The ACA Adj. Surcharge is revised annually and posted on the FERC website at the web address http://www.ferc.gov on the Annual Charges page of the Natural Gas Section. The ACA Adj. Surcharge is incorporated by reference in the Transporter's Tariff and shall apply to all transportation under this Rate Schedule as provided in Section 6.17 of the General Terms and Conditions.

---------- NON-EASTCHESTER RATES (All in $ Per Dth) 1/ ----------

	Minimum	RP16-301 Rates 2/ Maximum			RP19-445 Rates Maximum	
		Effective 9/1/2016	Effective 9/1/2017	Effective 9/1/2018	Effective 3/1/2019	Effective 4/1/2020
RTS DEMAND (Monthly):						
Zone 1	$0.0000	$ 6.1928	$ 5.9982	$ 5.5997	$5.4177	$5.2357
Zone 2	$0.0000	$ 5.3381	$ 5.1678	$ 4.7998	$4.6438	$4.4878
Inter-Zone	$0.0000	$10.4755	$ 9.8672	$ 8.8026	$8.5165	$8.2304
RTS COMMODITY (Daily):						
Zone 1	$0.0034	$ 0.0034	$ 0.0034	$ 0.0034	$0.0034	$0.0034
Zone 2	$0.0022	$ 0.0022	$ 0.0022	$ 0.0022	$0.0022	$0.0022
Inter-Zone	$0.0056	$ 0.0056	$ 0.0056	$ 0.0056	$0.0056	$0.0056
ITS COMMODITY (Daily):						
Zone 1	$0.0034	$ 0.2070	$ 0.2006	$ 0.1875	$0.1815	$0.1755
Zone 2	$0.0022	$ 0.1777	$ 0.1721	$ 0.1600	$0.1549	$0.1497
Inter-Zone	$0.0056	$ 0.3500	$ 0.3300	$ 0.2950	$0.2856	$0.2762
VOLUMETRIC CAPACITY RELEASE (Daily) 3/:						
Zone 1	$0.0000	$ 0.2036	$ 0.1972	$ 0.1841	$0.1781	$0.1721
Zone 2	$0.0000	$ 0.1755	$ 0.1699	$ 0.1578	$0.1527	$0.1475
Inter-Zone	$0.0000	$ 0.3444	$ 0.3244	$ 0.2894	$0.2800	$0.2706

**SEE SHEET NOS. 4A, 4B, AND 4C FOR ADJUSTMENTS TO RATES WHICH MAY BE APPLICABLE

(Footnotes continued on Sheet 4.01)

1/ Transporter's Settlement dated February 28, 2019, in Docket Nos. RP19-445-000, et al., approved by Commission Order issued May 2, 2019, established two additional rate step-downs effective 3/1/2019 and 4/1/2020 referred to as "RP19-445 Rates", but otherwise did not modify Transporter's Settlement dated August 18, 2016, in Docket No. RP16-301-000, which remains effective, including the moratorium on initiation of changes to Transporter's Settlement Rates prior to September 1, 2020. All Maximum and Minimum Rates listed on Sheet Nos. 4, 4B, 4C, and 5A are subject to the moratorium.
2/ The RP16-301 Rates that became effective 9/1/2018 shall be applicable to any Contesting Party to the Settlement dated February 28, 2019, pursuant to Section 5.2 and 5.3 of that Settlement, and shall become Transporter's effective base tariff rates in the event and as of the date that the Settlement dated February 28, 2019 terminates early pursuant to Sections 6.2 and 6.3. See footnote 1.
3/ No rate cap shall apply to any capacity releases with terms of less than or equal to one year pursuant to FERC Order Nos. 712 et al.

Historic Iroquois Zone 1 Fuel Rates	
Jul-20	0.00%
Aug-20	0.00%
Sep-20	0.00%
Oct-20	0.00%
Nov-20	0.10%
Dec-20	0.20%
Jan-21	0.20%
Feb-21	0.30%
Mar-21	0.40%
Apr-21	0.30%
May-21	0.10%
Jun-21	0.00%
Annual	0.13%

STATEMENT OF NEGOTIATED RATES 1/2/4/6/

Customer Name: Northern Utilities, Inc. d/b/a Unitil

Service Agreement: 210371

Rate Schedule: MN365

Reservation Rate: Customer shall pay a negotiated reservation rate of $13.3833 per Dth, per month (equivalent to $0.44 per Dth, per Day) of Customer's MDTQ under Contract No. 210371 during the Term of Negotiated Rate.

Usage Rate and Other Charges: 3/

Term of Negotiated Rate: The term of this negotiated rate commences on January 1, 2021 and extends through December 31, 2035. 5/

Quantity ("MDTQ"): 7,500 Dth/d

Primary Receipt Point:

Beverly – Essex Co., MA (Meter No. 30035) - 7,500 Dth/d

Primary Delivery Points:

Northern Utilities – Cotton Rd – Androscoggin Co, ME (Meter No. 30028)– 7,500 Dth/d

Recourse Rate(s): The Recourse Rate(s) applicable to this service is the applicable maximum rate(s) stated on Pipeline's Statement of Rates for Rate Schedule MN365 at the applicable time.

FOOTNOTES:

1/ This negotiated rate transaction does not deviate in any material respect from the form of service agreement set forth in Pipeline's FERC Gas Tariff.

2/ This Negotiated Rate shall apply only to transportation service under Contract No. 210371, up to Customer's specified MDTQ, using the Primary Receipt Point and Primary Delivery Point designated herein, and any secondary receipt and delivery points available under Rate Schedule MN365.

3/ Customer shall pay: (i) a commodity charge which shall be zero for the quantity of gas, in Dekatherms, delivered during the applicable Day under Pipeline's Rate Schedule MN365; (ii) the applicable Fuel Reimbursement Quantity ("FRQ") under Pipeline's Rate Schedule MN365; (iii) the applicable Annual Charge Adjustment and all other charges and surcharges applicable to Rate Schedule MN365; and (iv) any future surcharge or additional usage charge pursuant to any FERC-approved cost recovery mechanism of general applicability implemented in a generic proceeding or in a Pipeline specific proceeding, which mechanism recovers cost components not reflected in Pipeline's recourse rate(s) applicable to service under Pipeline's Rate Schedule MN365.

4/ Pipeline and Customer agree that Contract No. 210371 is a ROFR Agreement.

5/ If the term of Contract No. 210371 renews for one or more twelve (12) month evergreen period(s) at the negotiated reservation rate, then the term of this Negotiated Rate Agreement shall be extended for such evergreen period(s).

6/ Customer will be eligible to receive reservation charge adjustments under this Negotiated Rate Agreement in accordance with Pipeline's FERC Gas Tariff.

FUEL RETAINAGE PERCENTAGES

FUEL RETAINAGE PERCENTAGE: PURSUANT TO SECTION 20 OF THE GT&C

Winter Period (November 1 - March 31)	0.68%
Non-Winter Period (April 1 - October 31)	0.97%

SCHEDULE 1

Receipt Point(s):	01-0100 Pittsburg, NH
Delivery Point(s):	05-0850 Newington Granite State
Maximum Daily Quantity:	40003 Dth/day
Maximum Contract Demand:	219176437 Dth
Effective Service Period:	April 1, 2018 through November 30, 2032

Rate Provision(s) (check if applicable rate):

__ ___ Discounted Rate

__x ___ Negotiated Rate

Shipper's charges and fees shall be calculated as follows:

$0.6000/Dth/day

Additional Terms: Shipper shall have the right to deliver, on a secondary basis, to the following meters, at the Negotiated Rate of $0.60/Dth/day. Delivery to all other secondary delivery points on this Negotiated Rate contract shall be priced at the Maximum Recourse Rate.

Meter #	Name	Operator
05-0525	Westbrook	M&NE
05-0600	Westbrook	Granite State
02-0650	Gorham	Maine Natural Gas
05-0725	Eliot	Granite State
05-0750	Eliot CNG	XPress Natural Gas
02-0775	Newington	Essential Power
02-0900	Newington	Eversource
05-0850	Newington	Granite State
05-1000	Haverhill	Tennessee Gas Pipeline
05-1025	Haverhill	National Grid
05-1050	Methuen	M&NE
05-1150	Dracut	Tennessee Gas Pipeline

Revision No. 1

SCHEDULE 1

Primary Receipt Points

Begin Date	End Date	Scheduling Point No.	Scheduling Point Name	Maximum Daily Quantity (Dth/day)
1/	1/	10100	Pittsburg (East Hereford)	0 (Phase I Quantity) plus 0 (Phase II Quantity) plus 10,000 (Phase III Quantity)

Primary Delivery Points

Begin Date	End Date	Scheduling Point No.	Scheduling Point Name	Maximum Daily Quantity (Dth/day)
1/	1/	50850	Newington Granite State	0 (Phase I Quantity) plus 0 (Phase II Quantity) plus 10,000 (Phase III Quantity)

Maximum Contract Demand	0 Dth (Phase I Quantity)
plus	0 Dth (Phase II Quantity)
plus	10,000 Dth (Phase III Quantity)
Total Maximum Contract Demand	10,000 Dth (Phase I, II and III Quantities)

Effective Service Period 1/ to 1/

Rate Provision(s) (check if applicable rate):

______ Discounted Rate
___X__ Negotiated Rate

Shipper's charges and fees shall be calculated as follows:

For volumes received at the primary receipt point and delivered to the primary delivery point, the reservation charge shall be $0.7500/Dth/day (the "Negotiated Daily Demand Rate").

For volumes received at the primary receipt point and delivered to any of the following secondary delivery points, the reservation charge shall be the Negotiated Daily Demand Rate: Westbrook M&NE, Westbrook Granite State, Eliot Granite State, Dracut and Haverhill Tennessee Gas. Deliveries to any other secondary delivery point(s) will be at the Recourse Reservation Rate.

Shipper shall have secondary receipt point access for delivery to any delivery point at the Recourse Reservation Rate.

In addition to the applicable reservation rate stated above, Shipper shall pay or furnish, as applicable, all maximum applicable demand and commodity surcharges, unit charges, Measurement Variance Quantities, and other fuel requirements and charges, as specified in the Tariff, in addition to any charges associated with mandated compliance with new or revised regulations or legislation (i.e. environmental, modernization and safety), which may change from time to time, and any other amounts contemplated under Article IV of this Contract.

1/ Pursuant to Article VII – TERM above.

PNGTS Construction Cost Sharing:

Shipper's Negotiated Daily Demand Rate for PNGTS reflected above shall be adjusted as follows:

To the extent Actual PNGTS Construction Costs (defined below) exceed Estimated PNGTS Construction Costs (defined below), Shipper's Negotiated Daily Demand Rate shall be multiplied by the Capital Cost Overrun Factor ("CCO Factor"). The CCO Factor shall be equal to 1 + [(CCO/EPCC) X 50%]. In no event shall the CCO Factor exceed 1.0667.

To the extent Actual PNGTS Construction Costs, as defined below, are less than Estimated PNGTS Construction Costs as defined below, Shipper's Negotiated Daily Demand Rate shall be multiplied by the Capital Cost Underrun Factor ("CCU Factor"). The CCU Factor shall be equal to 1 - [(CCU/EPCC) X 50%]. In no event shall the CCU Factor be less than 0.9333.

Any such adjustment to Shipper's Negotiated Daily Demand Rate for PNGTS shall be subject to a rate adjustment cap of +/- US$0.05 per Dth (overruns/ underruns). Such adjustment shall be effective on the actual in-service date for Phase III based on the final costs estimated by PNGTS at such time, and subsequently adjusted, if necessary, as soon as administratively feasible based on the Phase III final cost report filed with the FERC, to keep the applicable Parties financially whole as if the actual costs were known as of the actual in-service date of Phase III. Any subsequent adjustment shall not be later than the first anniversary date of the actual in-service date of Phase III and shall remain in effect for the balance of the Initial Term.

"Actual PNGTS Construction Costs" or "APCC" shall mean the amount filed by PNGTS with the FERC following completion of construction of the facilities associated with PXP Phase III (such construction shall be referred to herein as "PNGTS Construction"). PNGTS shall maintain books and records reasonably necessary for Shipper to verify the APCC.

"Capital Cost Overrun" or "CCO" shall be an amount in U.S. dollars equal to the difference between the Actual PNGTS Construction Costs and the Estimated PNGTS Construction Costs, if Actual PNGTS Construction Costs exceed Estimated Project Costs.

"Capital Cost Underrun" or "CCU" shall be an amount in U.S. dollars equal to the difference between the Actual PNGTS Construction Costs and the Estimated PNGTS Construction Costs, if Actual PNGTS Construction Costs are less than Estimated PNGTS Construction Costs.

"Estimated PNGTS Construction Costs" or "EPCC" shall mean all costs and expenses that are projected to be incurred by PNGTS to complete the PNGTS Construction in the manner contemplated by this Agreement as filed with the FERC in its Section 7 of the Natural Gas Act certificate application for Phase III.

Shipper shall have one-time audit right to be exercised no later than thirteen (13) months after the actual in-service date for Phase III, at Shipper's sole cost and expense, to review PNGTS's books and records as reasonably necessary to verify costs associated with Phase III of the PNGTS Construction for purposes of this provision.

Historic PNGTS Zone 1 Measurement Variance Rates

Jul-20	-0.60%
Aug-20	-0.60%
Sep-20	-0.80%
Oct-20	-0.80%
Nov-20	-0.60%
Dec-20	-0.60%
Jan-21	-0.60%
Feb-21	-0.20%
Mar-21	-0.30%
Apr-21	-1.00%
May-21	-1.00%
Jun-21	-1.00%
Annual	-0.68%
Projected (Greater of Annual Average or 0%)	0.00%

PNGTS
Docket No. CP18-____-000
Exhibit Z-2
Page 1 of 3

Portland Natural Gas Transmission System
Portland XPress Project (PXP) Phase III
Project Fuel Study

M&N Operating Company, LLC, the operator of the Joint Facilities between Westbrook and Dracut, estimated the daily fuel consumption for PXP. The result of the study is shown on Line 3 below. The proposed initial Fuel Rate was calculated by dividing the total estimated daily fuel consumption by the estimated daily volume to be transported on the Joint Facilities.

Once in service, the Fuel Rate will be adjusted monthly pursuant to proposed Section 6.2.26 of the General Terms & Conditions of PNGTS's FERC Gas Tariff, Third Revised Volume No. 1, so that the Fuel Rate is based upon actual fuel usage and transportation activity. Currently, the PNGTS system has no compression facilities and therefore shippers only pay a charge related to Lost And Unaccounted For Gas.

Line No.	Description		
1	Installed Horsepower	6,300	hp
2	PXP Volume Transported on both Northern Facilities and Joint Facilities	119,378	Dth/d
3	Estimated Fuel	296.2	Dth/d
4	Assumed Load Factor	90%	
5	Initial Compressor Fuel Rate	0.28%	

Statement of Transportation Rates
(Rates per DTH)

Rate Schedule	Rate Component	Base Rate	ACA Unit Charge 1/
FT	Recourse Reservation Rate		
	-- Maximum	$25.9843	---------
	-- Minimum	$00.0000	---------
	Seasonal Recourse Reservation Rate		
	-- Maximum	$49.3701	---------
	-- Minimum	$00.0000	---------
	Recourse Usage Rate		
	-- Maximum	$00.0000	2/
	-- Minimum	$00.0000	2/
	-- PXP Project	$00.0091	
FT-FLEX	Recourse Reservation Rate		
	--Maximum	$17.4406	---------
	--Minimum	$00.0000	---------
	Recourse Usage Rate		
	--Maximum	$00.2809	2/
	--Minimum	$00.0000	2/

The following adjustment applies to all Rate Schedules above:

MEASUREMENT VARIANCE FACTOR-LAUF:

Minimum	down to -1.00%
Maximum	up to +1.00%

MEASUREMENT VARIANCE FACTOR-FUEL 3/

1/ ACA assessed where applicable under Section 154.402 of the Commission's regulations and will be charged pursuant to Section 6.18 of the General Terms and Conditions at such time that initial and successive ACA assessments are made.

2/ The currently effective ACA unit charge as published on the Commission's website (www.ferc.gov) is incorporated herein by reference.

CURRENTLY EFFECTIVE SERVICE RATES APPLICABLE TO OPEN ACCESS, PART 284, RATE SCHEDULES IN FERC GAS TARIFF, EIGHTH REVISED VOLUME NO. 1

FT-1
RESERVATION
CHARGES

Pursuant to Sections 3.2(A), 3.3(A), and 3.5 of Rate Schedule FT-1:

	FT-1 RESERVATION CHARGE* $/dth		FT-1 RESERVATION CHARGE ADJUSTMENT $/dth	
ACCESS AREA	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM
STX-AAB	7.1630	0.0000	0.2355	0.0000
WLA-AAB	3.8410	0.0000	0.1262	0.0000
ELA-AAB	2.6420	0.0000	0.0869	0.0000
ETX-AAB	2.7240	0.0000	0.0896	0.0000
STX-STX	5.0300	0.0000	0.1654	0.0000
STX-WLA	6.2290	0.0000	0.2048	0.0000
STX-ELA	7.1960	0.0000	0.2366	0.0000
STX-ETX	7.1960	0.0000	0.2366	0.0000
WLA-WLA	2.9080	0.0000	0.0957	0.0000
WLA-ELA	3.8740	0.0000	0.1274	0.0000
WLA-ETX	3.8700	0.0000	0.1272	0.0000
ELA-ELA	2.6750	0.0000	0.0880	0.0000
ETX-ETX	2.7570	0.0000	0.0906	0.0000
ETX-ELA	2.6750	0.0000	0.0880	0.0000
MARKET AREA	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM
M1-M1	3.2390	0.0000	0.1065	0.0000
M1-M2	6.9240	0.0000	0.2276	0.0000
M1-M3	12.2810	0.0000	0.4038	0.0000
M2-M2	5.3940	0.0000	0.1773	0.0000
M2-M3	10.7490	0.0000	0.3534	0.0000
M3-M3	7.0660	0.0000	0.2323	0.0000

* Reservation Charge reflects a storage surcharge of: 0.0970

CURRENTLY EFFECTIVE SERVICE RATES APPLICABLE TO OPEN ACCESS, PART 284, RATE SCHEDULES IN FERC GAS TARIFF, EIGHTH REVISED VOLUME NO. 1

FT-1
USAGE
CHARGES

ZONE RATE
$/dth

Pursuant to Sections 3.2(A) and 3.3(A) of Rate Schedule FT-1:

	STX	WLA	ELA	ETX	M1	M2	M3
USAGE-1 - MAXIMUM							
from STX	0.0239	0.0264	0.0339	0.0339	0.0575	0.0865	0.1377
from WLA	0.0264	0.0156	0.0253	0.0253	0.0489	0.0779	0.1291
from ELA	0.0339	0.0253	0.0235	0.0235	0.0471	0.0761	0.1273
from ETX	0.0339	0.0253	0.0235	0.0235	0.0471	0.0761	0.1273
from M1	0.0575	0.0489	0.0471	0.0471	0.0236	0.0526	0.1038
from M2	0.0865	0.0779	0.0761	0.0761	0.0526	0.0407	0.0836
from M3	0.1377	0.1291	0.1273	0.1273	0.1038	0.0836	0.0575
USAGE-1 - MINIMUM							
from STX	0.0221	0.0246	0.0321	0.0321	0.0539	0.0828	0.1340
from WLA	0.0246	0.0138	0.0235	0.0235	0.0453	0.0742	0.1254
from ELA	0.0321	0.0235	0.0217	0.0217	0.0435	0.0724	0.1236
from ETX	0.0321	0.0235	0.0217	0.0217	0.0435	0.0724	0.1236
from M1	0.0539	0.0453	0.0435	0.0435	0.0218	0.0507	0.1019
from M2	0.0828	0.0742	0.0724	0.0724	0.0507	0.0388	0.0818
from M3	0.1340	0.1254	0.1236	0.1236	0.1019	0.0818	0.0557
USAGE-1 - BACKHAUL MAXIMUM							
from STX	0.0094						
from WLA		0.0045					
from ELA			0.0092				
from ETX				0.0092			
from M1				0.0346	0.0111		
from M2				0.0571	0.0336	0.0244	
from M3						0.0578	0.0353
USAGE-1 - BACKHAUL MINIMUM							
from STX	0.0076						
from WLA		0.0027					
from ELA			0.0074				
from ETX				0.0074			
from M1				0.0310	0.0093		
from M2				0.0534	0.0317	0.0225	
from M3						0.0560	0.0335
USAGE-2	0.1885	0.1885	0.1885	0.1885	0.3186	0.4687	0.6961

ACA COMMODITY SURCHARGE TO APPLICABLE CUSTOMERS, PURSUANT TO SECTION 15.5 OF THE GENERAL TERMS AND CONDITIONS.

CURRENTLY EFFECTIVE PERCENTAGES FOR APPLICABLE SHRINKAGE FOR ASA RATE SCHEDULES
Effective During the Winter Period: December 1 through December 31

FOR TRANSPORTATION SERVICE		STX (%)	WLA (%)	ELA (%)	ETX (%)	M1 (%)	M2 (%)	M3 (%)
|	from STX	0.93	1.04	1.64	1.64	2.49	3.59	4.34
Base	from WLA	0.53	0.53	1.13	1.13	1.98	3.08	3.83
Applicable	from ELA	0.91	0.91	0.91	0.91	1.76	2.86	3.61
Shrinkage	from ETX	0.93	0.91	0.91	0.91	1.76	2.86	3.61
Percentage	from M1	2.49	1.98	1.76	1.76	0.85	1.95	2.70
|	from M2	3.59	3.08	2.86	2.86	1.95	1.42	2.17
|	from M3	4.34	3.83	3.61	3.61	2.70	2.17	1.07
|	from STX	-0.04	-0.10	-0.42	-0.42	-0.31	-0.88	-0.87
Applicable	from WLA	0.41	0.20	-0.10	-0.10	0.01	-0.56	-0.55
Shrinkage	from ELA	0.31	0.12	0.16	0.16	0.27	-0.30	-0.29
Adjustment	from ETX	0.29	0.12	0.16	0.16	0.27	-0.30	-0.29
Percentage	from M1	-0.31	0.01	0.27	0.27	0.11	-0.46	-0.45
|	from M2	-0.88	-0.56	-0.30	-0.30	-0.46	-0.15	-0.13
|	from M3	-0.87	-0.55	-0.29	-0.29	-0.45	-0.13	0.44
|	from STX	0.89	0.94	1.22	1.22	2.18	2.71	3.47
Applicable	from WLA	0.94	0.73	1.03	1.03	1.99	2.52	3.28
Shrinkage	from ELA	1.22	1.03	1.07	1.07	2.03	2.56	3.32
Percentage	from ETX	1.22	1.03	1.07	1.07	2.03	2.56	3.32
|	from M1	2.18	1.99	2.03	2.03	0.96	1.49	2.25
|	from M2	2.71	2.52	2.56	2.56	1.49	1.27	2.04
|	from M3	3.47	3.28	3.32	3.32	2.25	2.04	1.51

FOR TRANSPORTATION SERVICE UNDER CONTRACTS WITH PARTIAL BACKHAUL PATHS		STX (%)	WLA (%)	ELA (%)	ETX (%)	M1 (%)	M2 (%)	M3 (%)
|	from STX	0.00						
Base	from WLA		0.00					
Applicable	from ELA			0.00				
Shrinkage	from ETX				0.00			
Percentage	from M1				0.00	0.00		
|	from M2				0.00	0.00	0.00	
|	from M3						0.00	0.00
|	from STX	0.00						
Applicable	from WLA		0.00					
Shrinkage	from ELA			0.00				
Adjustment	from ETX				1.07			
Percentage	from M1				1.07	0.00		
|	from M2				1.07	0.00	0.00	
|	from M3						0.00	0.00
|	from STX	0.00						
Applicable	from WLA		0.00					
Shrinkage	from ELA			0.00				
Percentage	from ETX				1.07			
|	from M1				1.07	0.00		
|	from M2				1.07	0.00	0.00	
|	from M3						0.00	0.00

FOR STORAGE SERVICE	Base Applicable Shrinkage Percentage	Applicable Shrinkage Adjustment Percentage	Applicable Shrinkage Percentage
Monthly W/d (SS,SS-1,X-28)	2.70 %	-1.03 %	1.67 %
Monthly W/d (FSS,ISS-1)	1.76 %	-1.22 %	0.54 %
Monthly Injections	1.76 %	-1.22 %	0.54 %
Monthly Inventory Level	0.08 %	-0.04 %	0.04 %

Footnote: Due to the bidirectional flow patterns of Pipeline’s Access Area Zones, there is no distinction between forwardhauls and backhauls for applicable Shrinkage purposes in the Access Area Zones.

CURRENTLY EFFECTIVE PERCENTAGES FOR APPLICABLE SHRINKAGE FOR ASA RATE SCHEDULES
Effective During the Winter Period: January 1 through March 31

FOR TRANSPORTATION SERVICE		STX (%)	WLA (%)	ELA (%)	ETX (%)	M1 (%)	M2 (%)	M3 (%)
Base Applicable Shrinkage Percentage	from STX	1.09	1.25	2.12	2.12	3.08	4.70	5.81
	from WLA	0.50	0.50	1.38	1.38	2.34	3.96	5.07
	from ELA	1.05	1.05	1.05	1.05	2.01	3.63	4.74
	from ETX	1.09	1.05	1.05	1.05	2.01	3.63	4.74
	from M1	3.08	2.34	2.01	2.01	0.96	2.58	3.69
	from M2	4.70	3.96	3.63	3.63	2.58	1.80	2.90
	from M3	5.81	5.07	4.74	4.74	3.69	2.90	1.28
Applicable Shrinkage Adjustment Percentage	from STX	-0.25	-0.34	-0.86	-0.86	-0.88	-1.76	-1.82
	from WLA	0.41	0.13	-0.37	-0.37	-0.39	-1.27	-1.33
	from ELA	0.21	-0.04	0.06	0.06	0.04	-0.84	-0.90
	from ETX	0.17	-0.04	0.06	0.06	0.04	-0.84	-0.90
	from M1	-0.88	-0.39	0.04	0.04	-0.02	-0.90	-0.96
	from M2	-1.76	-1.27	-0.84	-0.84	-0.90	-0.43	-0.47
	from M3	-1.82	-1.33	-0.90	-0.90	-0.96	-0.47	0.42
Applicable Shrinkage Percentage	from STX	0.84	0.91	1.26	1.26	2.20	2.94	3.99
	from WLA	0.91	0.63	1.01	1.01	1.95	2.69	3.74
	from ELA	1.26	1.01	1.11	1.11	2.05	2.79	3.84
	from ETX	1.26	1.01	1.11	1.11	2.05	2.79	3.84
	from M1	2.20	1.95	2.05	2.05	0.94	1.68	2.73
	from M2	2.94	2.69	2.79	2.79	1.68	1.37	2.43
	from M3	3.99	3.74	3.84	3.84	2.73	2.43	1.70

FOR TRANSPORTATION SERVICE UNDER CONTRACTS WITH PARTIAL BACKHAUL PATHS		STX (%)	WLA (%)	ELA (%)	ETX (%)	M1 (%)	M2 (%)	M3 (%)
Base Applicable Shrinkage Percentage	from STX	0.00						
	from WLA		0.00					
	from ELA			0.00				
	from ETX				0.00			
	from M1				0.00	0.00		
	from M2				0.00	0.00	0.00	
	from M3						0.00	0.00
Applicable Shrinkage Adjustment Percentage	from STX	0.00						
	from WLA		0.00					
	from ELA			0.00				
	from ETX				1.11			
	from M1				1.11	0.00		
	from M2				1.11	0.00	0.00	
	from M3						0.00	0.00
Applicable Shrinkage Percentage	from STX	0.00						
	from WLA		0.00					
	from ELA			0.00				
	from ETX				1.11			
	from M1				1.11	0.00		
	from M2				1.11	0.00	0.00	
	from M3						0.00	0.00

FOR STORAGE SERVICE	Base Applicable Shrinkage Percentage	Applicable Shrinkage Adjustment Percentage	Applicable Shrinkage Percentage
Monthly W/d (SS,SS-1,X-28)	2.86 %	-1.01 %	1.85 %
Monthly W/d (FSS,ISS-1)	1.76 %	-1.09 %	0.67 %
Monthly Injections	1.76 %	-1.09 %	0.67 %
Monthly Inventory Level	0.08 %	-0.06 %	0.02 %

Footnote: Due to the bidirectional flow patterns of Pipeline's Access Area Zones, there is no distinction between forwardhauls and backhauls for applicable Shrinkage purposes in the Access Area Zones.

CURRENTLY EFFECTIVE PERCENTAGES FOR APPLICABLE SHRINKAGE FOR ASA RATE SCHEDULES
Effective During the Spring, Summer and Fall Periods: April 1 through November 30

FOR TRANSPORTATION SERVICE		STX (%)	WLA (%)	ELA (%)	ETX (%)	M1 (%)	M2 (%)	M3 (%)
|	from STX	0.93	1.04	1.64	1.64	2.49	3.59	4.34
Base	from WLA	0.53	0.53	1.13	1.13	1.98	3.08	3.83
Applicable	from ELA	0.91	0.91	0.91	0.91	1.76	2.86	3.61
Shrinkage	from ETX	0.93	0.91	0.91	0.91	1.76	2.86	3.61
Percentage	from M1	2.49	1.98	1.76	1.76	0.85	1.95	2.70
|	from M2	3.59	3.08	2.86	2.86	1.95	1.42	2.17
|	from M3	4.34	3.83	3.61	3.61	2.70	2.17	1.07
|	from STX	-0.09	-0.15	-0.50	-0.50	-0.41	-1.02	-1.08
Applicable	from WLA	0.36	0.21	-0.12	-0.12	-0.03	-0.64	-0.70
Shrinkage	from ELA	0.23	0.10	0.15	0.15	0.24	-0.37	-0.43
Adjustment	from ETX	0.21	0.10	0.15	0.15	0.24	-0.37	-0.43
Percentage	from M1	-0.41	-0.03	0.24	0.24	0.09	-0.52	-0.58
|	from M2	-1.02	-0.64	-0.37	-0.37	-0.52	-0.19	-0.25
|	from M3	-1.08	-0.70	-0.43	-0.43	-0.58	-0.25	0.37
|	from STX	0.84	0.89	1.14	1.14	2.08	2.57	3.26
Applicable	from WLA	0.89	0.74	1.01	1.01	1.95	2.44	3.13
Shrinkage	from ELA	1.14	1.01	1.06	1.06	2.00	2.49	3.18
Percentage	from ETX	1.14	1.01	1.06	1.06	2.00	2.49	3.18
|	from M1	2.08	1.95	2.00	2.00	0.94	1.43	2.12
|	from M2	2.57	2.44	2.49	2.49	1.43	1.23	1.92
|	from M3	3.26	3.13	3.18	3.18	2.12	1.92	1.44

FOR TRANSPORTATION SERVICE UNDER CONTRACTS WITH PARTIAL BACKHAUL PATHS		STX (%)	WLA (%)	ELA (%)	ETX (%)	M1 (%)	M2 (%)	M3 (%)
|	from STX	0.00						
Base	from WLA		0.00					
Applicable	from ELA			0.00				
Shrinkage	from ETX				0.00			
Percentage	from M1				0.00	0.00		
|	from M2				0.00	0.00	0.00	
|	from M3						0.00	0.00
|	from STX	0.00						
Applicable	from WLA		0.00					
Shrinkage	from ELA			0.00				
Adjustment	from ETX				1.06			
Percentage	from M1				1.06	0.00		
|	from M2				1.06	0.00	0.00	
|	from M3						0.00	0.00
|	from STX	0.00						
Applicable	from WLA		0.00					
Shrinkage	from ELA			0.00				
Percentage	from ETX				1.06			
|	from M1				1.06	0.00		
|	from M2				1.06	0.00	0.00	
|	from M3						0.00	0.00

FOR STORAGE SERVICE	Base Applicable Shrinkage Percentage	Applicable Shrinkage Adjustment Percentage	Applicable Shrinkage Percentage
Monthly W/d (SS,SS-1,X-28)	2.70 %	-0.93 %	1.77 %
Monthly W/d (FSS,ISS-1)	1.76 %	-1.09 %	0.67 %
Monthly Injections	1.76 %	-1.09 %	0.67 %
Monthly Inventory Level	0.08 %	-0.06 %	0.02 %

Footnote: Due to the bidirectional flow patterns of Pipeline’s Access Area Zones, there is no distinction between forwardhauls and backhauls for applicable Shrinkage purposes in the Access Area Zones.

RATES PER DEKATHERM

FIRM TRANSPORTATION RATES
RATE SCHEDULE FOR FT-A

Base Reservation Rates

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
0	$4.8571		$10.1498	$13.6529	$13.8945	$15.2673	$16.2055	$20.3323
L		$4.3119						
1	$7.3119		$7.0090	$9.3276	$13.2135	$13.0132	$14.6759	$18.0462
2	$13.6530		$9.2716	$4.8222	$4.5078	$5.7679	$7.9331	$10.2407
3	$13.8945		$7.3440	$4.8611	$3.5070	$5.3870	$9.7428	$11.2581
4	$17.6413		$16.2638	$6.1979	$9.4190	$4.6105	$4.9861	$7.1232
5	$21.0347		$14.7807	$6.5015	$7.8669	$5.1218	$4.8044	$6.2544
6	$24.3333		$16.9768	$11.6840	$12.8717	$9.0920	$4.7831	$4.1405

Daily Base Reservation Rate 1/

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
0	$0.1597		$0.3337	$0.4489	$0.4568	$0.5019	$0.5328	$0.6685
L		$0.1418						
1	$0.2404		$0.2304	$0.3067	$0.4344	$0.4278	$0.4825	$0.5933
2	$0.4489		$0.3048	$0.1585	$0.1482	$0.1896	$0.2608	$0.3367
3	$0.4568		$0.2414	$0.1598	$0.1153	$0.1771	$0.3203	$0.3701
4	$0.5800		$0.5347	$0.2038	$0.3097	$0.1516	$0.1639	$0.2342
5	$0.6916		$0.4859	$0.2137	$0.2586	$0.1684	$0.1580	$0.2056
6	$0.8000		$0.5581	$0.3841	$0.4232	$0.2989	$0.1573	$0.1361

Maximum Reservation Rates 2/, 3/

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
0	$4.8984		$10.1911	$13.6942	$13.9358	$15.3086	$16.2468	$20.3736
L		$4.3532						
1	$7.3532		$7.0503	$9.3689	$13.2548	$13.0545	$14.7172	$18.0875
2	$13.6943		$9.3129	$4.8635	$4.5491	$5.8092	$7.9744	$10.2820
3	$13.9358		$7.3853	$4.9024	$3.5483	$5.4283	$9.7841	$11.2994
4	$17.6826		$16.3051	$6.2392	$9.4603	$4.6518	$5.0274	$7.1645
5	$21.0760		$14.8220	$6.5428	$7.9082	$5.1631	$4.8457	$6.2957
6	$24.3746		$17.0181	$11.7253	$12.9130	$9.1333	$4.8244	$4.1818

Notes:

1/ Applicable to demand charge credits and secondary points under discounted rate agreements.
2/ Includes a per Dth charge for the PCB Surcharge Adjustment per Article XXXII of the General Terms and Conditions of $0.0000.
3/ Includes a per Dth charge for the PS/GHG Surcharge Adjustment per Article XXXVIII of the General Terms and Conditions of $0.0413.

RATES PER DEKATHERM

COMMODITY RATES
RATE SCHEDULE FOR FT-A

Base Commodity Rates

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
0	$0.0032		$0.0115	$0.0177	$0.0219	$0.2339	$0.2232	$0.2656
L		$0.0012						
1	$0.0042		$0.0081	$0.0147	$0.0179	$0.1989	$0.2028	$0.2315
2	$0.0167		$0.0087	$0.0012	$0.0028	$0.0644	$0.1032	$0.1144
3	$0.0207		$0.0169	$0.0026	$0.0002	$0.0860	$0.1190	$0.1300
4	$0.0250		$0.0205	$0.0087	$0.0105	$0.0398	$0.0563	$0.0912
5	$0.0284		$0.0256	$0.0100	$0.0118	$0.0560	$0.0555	$0.0689
6	$0.0346		$0.0300	$0.0143	$0.0163	$0.0862	$0.0467	$0.0284

Minimum Commodity Rates 1/, 2/

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
0	$0.0032		$0.0115	$0.0177	$0.0219	$0.0250	$0.0284	$0.0346
L		$0.0012						
1	$0.0042		$0.0081	$0.0147	$0.0179	$0.0210	$0.0256	$0.0300
2	$0.0167		$0.0087	$0.0012	$0.0028	$0.0056	$0.0100	$0.0143
3	$0.0207		$0.0169	$0.0026	$0.0002	$0.0081	$0.0118	$0.0163
4	$0.0250		$0.0205	$0.0087	$0.0105	$0.0028	$0.0046	$0.0092
5	$0.0284		$0.0256	$0.0100	$0.0118	$0.0046	$0.0046	$0.0066
6	$0.0346		$0.0300	$0.0143	$0.0163	$0.0086	$0.0041	$0.0020

Maximum Commodity Rates 1/, 2/, 3/

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
0	$0.0048		$0.0131	$0.0193	$0.0235	$0.2355	$0.2248	$0.2672
L		$0.0028						
1	$0.0058		$0.0097	$0.0163	$0.0195	$0.2005	$0.2044	$0.2331
2	$0.0183		$0.0103	$0.0028	$0.0044	$0.0660	$0.1048	$0.1160
3	$0.0223		$0.0185	$0.0042	$0.0018	$0.0876	$0.1206	$0.1316
4	$0.0266		$0.0221	$0.0103	$0.0121	$0.0414	$0.0579	$0.0928
5	$0.0300		$0.0272	$0.0116	$0.0134	$0.0576	$0.0571	$0.0705
6	$0.0362		$0.0316	$0.0159	$0.0179	$0.0878	$0.0483	$0.0300

Notes:

1/ Rates stated above exclude the ACA Surcharge as revised annually and posted on the FERC website at http://www.ferc.gov on the Annual Charges page of the Natural Gas section. The ACA Surcharge is incorporated by reference into Transporter's Tariff and shall apply to all transportation under this Rate Schedule as provided in Article XXIV of the General Terms and Conditions.
2/ The applicable F&LR's and EPCR's, determined pursuant to Article XXXVII of the General Terms and Conditions, are listed on Sheet No. 32.
3/ Includes a per Dth charge for the PS/GHG Surcharge Adjustment per Article XXXVIII of the General Terms and Conditions of $0.0016.

FUEL AND EPCR
==

F&LR 1/, 2/, 3/, 4/

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
0	0.43%		1.54%	2.34%	2.97%	3.59%	4.08%	4.66%
L		0.16%						
1	0.56%		1.09%	1.96%	2.43%	2.92%	3.55%	4.06%
2	2.40%		1.17%	0.15%	0.38%	0.79%	1.44%	1.96%
3	2.97%		2.37%	0.38%	0.03%	1.14%	1.67%	2.26%
4	3.46%		2.71%	1.16%	1.40%	0.40%	0.66%	1.22%
5	4.08%		3.55%	1.42%	1.67%	0.66%	0.65%	0.86%
6	4.88%		4.06%	1.96%	2.26%	1.14%	0.50%	0.20%

Broad Run Expansion Project – Market Component (Z3-Z1): 5/ 7.62%

EPCR 3/, 4/

RECEIPT ZONE	DELIVERY ZONE 0	L	1	2	3	4	5	6
0	$0.0021		$0.0081	$0.0125	$0.0155	$0.0188	$0.0214	$0.0256
L		$0.0007						
1	$0.0028		$0.0057	$0.0104	$0.0127	$0.0157	$0.0193	$0.0221
2	$0.0125		$0.0061	$0.0007	$0.0018	$0.0041	$0.0074	$0.0102
3	$0.0155		$0.0127	$0.0018	$0.0000	$0.0060	$0.0088	$0.0118
4	$0.0188		$0.0145	$0.0060	$0.0074	$0.0019	$0.0034	$0.0063
5	$0.0214		$0.0193	$0.0074	$0.0088	$0.0033	$0.0033	$0.0044
6	$0.0256		$0.0221	$0.0102	$0.0118	$0.0059	$0.0025	$0.0009

Broad Run Expansion Project – Market Component (Z3-Z1): 5/ $0.0272

1/ Included in the above F&LR is the Losses component of the F&LR equal to 0.00%.
2/ For service that is rendered entirely by displacement and for gas scheduled and allocated for receipt at the Dracut, Massachusetts receipt point, Shipper shall render only the quantity of gas associated with Losses of 0.00%.
3/ The F&LR's and EPCR's listed above are applicable to FT-A, FT-BH, FT-G, FT-GS, and IT.
4/ The F&LR's and EPCR's determined pursuant to Article XXXVII of the General Terms and Conditions.
5/ The incremental F&LR and EPCR set forth above are applicable to a Shipper(s) utilizing capacity on the Broad Run Expansion Project – Market Component facilities, from any receipt point(s) to any delivery point(s) located on the project's transportation path. Any service provided to a Shipper(s) outside the project's transportation path shall be subject to the greater of the incremental F&LR and EPCR for the project or the applicable F&LR and EPCR for the applicable receipt(s) and delivery point(s) as shown in the rate matrices above. Included in the above F&LR is the Losses component of the F&LR equal to 0.00%.

RATES PER DEKATHERM

FIRM STORAGE SERVICE
RATE SCHEDULE FS

Rate Schedule and Rate	Base Tariff Rate	Max Tariff Rate	F&LR 2/, 3/	EPCR 2/
FIRM STORAGE SERVICE (FS) - PRODUCTION AREA				
Deliverability Rate	$1.7824	$1.7824 1/		
Space Rate	$0.0181	$0.0181 1/		
Injection Rate	$0.0073	$0.0073	1.62%	$0.0000
Withdrawal Rate	$0.0073	$0.0073		
Overrun Rate	$0.2139	$0.2139 1/		
FIRM STORAGE SERVICE (FS) - MARKET AREA				
Deliverability Rate	$1.3094	$1.3094 1/		
Space Rate	$0.0179	$0.0179 1/		
Injection Rate	$0.0087	$0.0087	1.62%	$0.0000
Withdrawal Rate	$0.0087	$0.0087		
Overrun Rate	$0.1572	$0.1572 1/		

Notes:

1/ Includes a per Dth charge for the PCB Surcharge Adjustment per Article XXXII of the General Terms and Conditions of $0.000.
2/ The F&LR's and EPCR's determined pursuant to Article XXXVII of the General Terms and Conditions.
3/ The applicable F&LR pursuant to Article XXXVII of the General Terms and Conditions, associated with Losses is equal to 0.03%.

Tennessee Gas Pipeline Company, L.L.C.
Settlement Rates effective November 1, 2021 - Base Reservation and Commodity
12.5 % Rate Reduction from the Appendix A-0 Rates

General System Transportation Services

Rate Schedule FT-A, FT-G, NET, NET-284

Line No.	Reservation	Zone 0	Zone L	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
1	Zone 0	$4.7485		$9.9230	$13.3478	$13.5840	$14.9261	$15.8434	$19.8779
2	Zone L		$4.2156						
3	Zone 1	$7.1485		$6.8524	$9.1192	$12.9182	$12.7224	$14.3480	$17.6429
4	Zone 2	$13.3479		$9.0644	$4.7144	$4.4071	$5.6390	$7.7558	$10.0118
5	Zone 3	$13.5840		$7.1799	$4.7525	$3.4286	$5.2666	$9.5251	$11.0065
6	Zone 4	$17.2471		$15.9003	$6.0594	$9.2085	$4.5075	$4.8747	$6.9640
7	Zone 5	$20.5647		$14.4505	$6.3563	$7.6911	$5.0074	$4.6970	$6.1147
8	Zone 6	$23.7895		$16.5974	$11.4230	$12.5841	$8.8889	$4.6763	$4.0480

Line No.	Commodity	Zone 0	Zone L	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
9	Zone 0	$0.0032		$0.0115	$0.0177	$0.0219	$0.2286	$0.2182	$0.2597
10	Zone L		$0.0012						
11	Zone 1	$0.0042		$0.0081	$0.0147	$0.0179	$0.1944	$0.1983	$0.2264
12	Zone 2	$0.0167		$0.0087	$0.0012	$0.0028	$0.0629	$0.1009	$0.1118
13	Zone 3	$0.0207		$0.0169	$0.0026	$0.0002	$0.0841	$0.1164	$0.1271
14	Zone 4	$0.0250		$0.0205	$0.0087	$0.0105	$0.0389	$0.0550	$0.0892
15	Zone 5	$0.0284		$0.0256	$0.0100	$0.0118	$0.0548	$0.0543	$0.0674
16	Zone 6	$0.0346		$0.0300	$0.0143	$0.0163	$0.0843	$0.0457	$0.0277

Line No.	Min. Commodity	Delivery Zone							
		Zone 0	Zone L	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
17	Zone 0	$0.0032		$0.0115	$0.0177	$0.0219	$0.0250	$0.0284	$0.0346
18	Zone L		$0.0012						
19	Zone 1	$0.0042		$0.0081	$0.0147	$0.0179	$0.0210	$0.0256	$0.0300
20	Zone 2	$0.0167		$0.0087	$0.0012	$0.0028	$0.0056	$0.0100	$0.0143
21	Zone 3	$0.0207		$0.0169	$0.0026	$0.0002	$0.0081	$0.0118	$0.0163
22	Zone 4	$0.0250		$0.0205	$0.0087	$0.0105	$0.0028	$0.0046	$0.0092
23	Zone 5	$0.0284		$0.0256	$0.0100	$0.0118	$0.0046	$0.0046	$0.0066
24	Zone 6	$0.0346		$0.0300	$0.0143	$0.0163	$0.0086	$0.0041	$0.0020

Rate Schedule FT-GS

Line No.		Zone 0	Zone L	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
25	Zone 0	$0.2629		$0.5533	$0.7461	$0.7625	$1.0466	$1.0863	$1.3489
26	Zone L		$0.2320						
27	Zone 1	$0.3952		$0.3822	$0.5119	$0.7228	$0.8915	$0.9845	$1.1931
28	Zone 2	$0.7453		$0.5039	$0.2594	$0.2439	$0.3719	$0.5260	$0.6604
29	Zone 3	$0.7615		$0.4075	$0.2626	$0.1880	$0.3728	$0.6383	$0.7301
30	Zone 4	$0.9658		$0.8883	$0.3393	$0.5133	$0.2859	$0.3221	$0.4708
31	Zone 5	$1.1505		$0.8131	$0.3567	$0.4313	$0.3292	$0.3118	$0.4024
32	Zone 6	$1.3324		$0.9343	$0.6378	$0.7031	$0.5714	$0.3018	$0.2496

Rate Schedule IT, PTR and FT Overrun

Line No.		Zone 0	Zone L	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
33	Zone 0	$0.1588		$0.3358	$0.4535	$0.4648	$0.7193	$0.7390	$0.9132
34	Zone L		$0.1397						
35	Zone 1	$0.2385		$0.2320	$0.3120	$0.4396	$0.6127	$0.6700	$0.8063
36	Zone 2	$0.4527		$0.3052	$0.1560	$0.1472	$0.2483	$0.3560	$0.4410
37	Zone 3	$0.4638		$0.2502	$0.1585	$0.1129	$0.2573	$0.4296	$0.4889
38	Zone 4	$0.5877		$0.5398	$0.2064	$0.3115	$0.1871	$0.2153	$0.3182
39	Zone 5	$0.6997		$0.4964	$0.2172	$0.2627	$0.2195	$0.2087	$0.2685
40	Zone 6	$0.8109		$0.5706	$0.3875	$0.4273	$0.3765	$0.1993	$0.1608

Tennessee Gas Pipeline Company, L.L.C.
Settlement Rates effective November 1, 2021 - Base Reservation and Commodity
12.5 % Rate Reduction from the Appendix A-0 Rates

Rate Schedule FT-BH

Line No.	Reservation	Zone 0	Zone L	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
1	Zone 0	$2.3742							
2	Zone L		$2.1078						
3	Zone 1	$3.5742		$3.4262					
4	Zone 2	$6.6740		$4.5322	$2.3572				
5	Zone 3	$6.7920		$3.5900	$2.3763	$1.7143			
6	Zone 4	$8.6236		$7.9502	$3.0297	$4.6043	$2.2537		
7	Zone 5	$10.2823		$7.2252	$3.1781	$3.8455	$2.5036	$2.3485	
8	Zone 6	$11.8947		$8.2987	$5.7116	$6.2920	$4.4445	$2.3382	$2.0241

Line No.	Commodity	Zone 0	Zone L	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
9	Zone 0	$0.0417							
10	Zone L		$0.0357						
11	Zone 1	$0.0623		$0.0631					
12	Zone 2	$0.1236		$0.0817	$0.0397				
13	Zone 3	$0.1289		$0.0731	$0.0412	$0.0284			
14	Zone 4	$0.1626		$0.1477	$0.0571	$0.0844	$0.0760		
15	Zone 5	$0.1927		$0.1401	$0.0606	$0.0730	$0.0959	$0.0929	
16	Zone 6	$0.2244		$0.1614	$0.1057	$0.1171	$0.1573	$0.0840	$0.0610

Rate Schedule FT-A EDS/ERS (Extended Delivery/Receipt)

Line No.	Reservation	Zone 0	Zone L	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
17	Zone 0			$0.3263	$0.4388	$0.4466	$0.4907	$0.5209	$0.6535
18	Zone L								
19	Zone 1	$0.2350			$0.2999	$0.4247	$0.4183	$0.4717	$0.5800
20	Zone 2	$0.4388		$0.2980		$0.1449	$0.1854	$0.2551	$0.3292
21	Zone 3	$0.4466		$0.2361	$0.1563		$0.1732	$0.3133	$0.3618
22	Zone 4	$0.5670		$0.5228	$0.1992	$0.3028		$0.1603	$0.2289
23	Zone 5	$0.6760		$0.4751	$0.2089	$0.2529	$0.1647		$0.2011
24	Zone 6	$0.7822		$0.5457	$0.3756	$0.4137	$0.2922	$0.1537	

Rate Schedule PAL

Line No.		Commodity	Overrun
25	PAL (Daily)	$0.3400	$0.3400
26	PAL (Term)	$0.3400	$0.3400

Incremental Transportation Services

Line No.			Reservation	Commodity	Overrun	Min. Comm.
27	Stagecoach - CP00-65	FT-A	$3.1960	$0.0000	$0.1051	$0.0000
28	ConneXion NY/NJ - CP05-355	FT-A	$8.9823	$0.0000	$0.2953	$0.0000
29	Concord - CP08-65	FT-A	$10.5931	$0.0000	$0.3483	$0.0000
30	Tewksbury - CP04-60	FT-IL	$5.3511	$0.0000	$0.1760	$0.0000
31	300 Line Market - CP09-444	FT-A	$22.3939	$0.0000	$0.7362	$0.0000
32	NSD - CP11-30	FT-A	$5.4214	$0.0000	$0.1782	$0.0000
33	Northampton - CP11-36	FT-A	$24.1587	$0.0000	$0.7942	$0.0000
34	NEUP - CP11-161	FT-A	$7.7389	$0.0000	$0.2545	$0.0000
35	Niagara Expansion - CP14-88	FT-A	$8.7163	$0.0000	$0.2866	$0.0000
36	Connecticut Expansion - CP14-529	FT-A	$16.9478	$0.0674	$0.6246	$0.0066
37	Broad Run Expansion Project - CP15-77	FT-A	$26.1755	$0.0336	$0.8900	$0.0336
38	Susquehanna West Project - CP15-148	FT-A	$14.9795	$0.0389	$0.5314	$0.0028
39	Triad Expansion Project - CP 15-520	FT-A	$6.5881	$0.0389	$0.2555	$0.0028
40	Orion Project - CP 16-4	FT-A	$14.4557	$0.0389	$0.5142	$0.0028

Storage Services

Line No.		Deliverability	Space	Inj/With	Overrun
41	FS - PA [1]	$1.7426	$0.0177	$0.0073	$0.2091
42	FS - MA	$1.2801	$0.0175	$0.0087	$0.1537
43	IS - PA		$0.0873	$0.0073	
44	IS - MA		$0.0704	$0.0087	

Notes:
[1] The Rate Schedule FS-PA Rates set forth herein do not include the impact of the Bear Creek Proceeding, if any.

Winter Period Re-Entry Surcharge Calculation
(Applicable to Capacity Assigned Customers Returning to Sales Service)

Line	Item	HLF (50, 51, 52)	LLF (40, 41, 42)	**Weighted Average**	Reference
1	Winter Demand Cost of Gas Rate	$0.2543	$0.3805	$0.3379	Summary
2	Winter Commodity Cost of Gas Rate	$0.5575	$0.5411	$0.5466	Summary
3	Winter Indirect Cost of Gas	$0.0335	$0.0335	$0.0335	Summary, Removing any Prior Period Over-Collection or Supplier Refunds
4	Winter Cost of Gas Rate (Exclusive of Credits)	$0.8453	$0.9551	$0.9180	Sum Lines 1 through 3
5	Winter Cost of Gas Rate for Incumbent Sales Customers	$0.8453	$0.9551	$0.9180	Summary
6	**Winter Re-Entry Surcharge**	$0.0000	$0.0000	**$0.0000**	**Positive Difference between Line 4 and Line 5**
7	Projected Sales (therms)	13,608,737	26,660,466	40,269,203	FXW-2 - Distribution Service Delilveries, excluding Special Contracts

Summer Period Re-Entry Surcharge & Conversion Surcharge Calculation
(Applicable to Capacity Assigned & Capacity Exempt Customers Returning to Sales Service)

Line	Item	HLF (50, 51, 52)	LLF (40, 41, 42)	**Weighted Average**	Reference
8	Summer Demand Cost of Gas Rate	$0.1085	$0.1789	$0.1551	Summary
9	Summer Commodity Cost of Gas Rate	$0.3515	$0.3516	$0.3516	Summary
10	Summer Indirect Cost of Gas	$0.0140	$0.0140	$0.0140	Summary, Removing any Prior Period Over-Collection or Supplier Refunds
11	Summer Cost of Gas Rate (Exclusive of Credits)	$0.4740	$0.5445	$0.5207	Sum Lines 8 through 10
12	Summer Cost of Gas Rate for Incumbent Sales Customers	$0.4741	$0.5446	$0.5208	Summary
13	**Summer Re-Entry Surcharge**	$0.0000	$0.0000	**$0.0000**	**Positive Difference between Line 11 and Line 12**
14	Projected Sales (therms)	11,439,284	6,075,647	17,514,931	FXW-2 - Distribution Service Delilveries, excluding Special Contracts

Winter Period Conversion Surcharge Calculation
(Applicable to Capacity Exempt Customers Returning to Sales Service)

Line	Item	HLF (50, 51, 52)	LLF (40, 41, 42)	Reference
1	LLF Winter Demand Cost of Gas Rate	$0.3805	$0.3805	Page 3 of Summary
2	LLF Winter Commodity Cost of Gas Rate	$0.5411	$0.5411	Page 3 of Summary
3	LLF Winter Indirect Cost of Gas	$0.0335	$0.0335	Page 3 of Summary, Removing any Prior Period Over-Collection or Supplier Refunds
4	Floor Price (LLF Winter Cost of Gas Rate, Exclusive of Credits)	$0.9551	$0.9551	Sum Lines 1 through 3.
5	Total Incremental Cost	$1.4368	$1.4368	See Line 15 of Incremental Commodity Price Worksheet
6	Total Conversion Rate	$1.4368	$1.4368	Maximum of Line 4 and Line 5
7	Winter Gas Adjustment Factor for Incumbent Sales Customers	$0.8453	$0.9551	Summary
8	**Conversion Surcharge**	**$0.5915**	**$0.4817**	**Positive Difference between Line 6 and Line 7**

Incremental Commodity Price Worksheet

Line	Month	NYMEX	Projected PNGTS Delivered Basis	Projected FOM Index	Projected Non-Capacity Assigned Delivery Service Loads	Comments
1	Nov-21	$ 5.305	$ 3.352	$ 8.657	227,140	
2	Dec-21	$ 5.398	$ 9.742	$ 15.140	231,339	
3	Jan-22	$ 5.465	$ 14.867	$ 20.332	256,763	
4	Feb-22	$ 5.370	$ 14.057	$ 19.427	242,833	
5	Mar-22	$ 5.013	$ 5.159	$ 10.172	255,609	
6	Apr-22	$ 3.939	$ 1.532	$ 5.471	232,427	
7	Winter Period Weigthed Average Baseload Price ($/Dth)			$ 13.331	1,446,111	Average, Weighted by Loads, Lines 1 through 6
8	Load Shape Price Factor			1.046		See Load Shape Price Factor Worksheet
9	Winter Period Incremental Load Shape Price ($/Dth)			$ 13.944		Line 7 times Line 8
10	Granite Fuel			0.35%		Granite Tariff
11	Granite Variable Transport ($/Dth)			$ 0.1954		Granite Tariff (IT Daily Rate plus ACA)
12	Northern City-Gate Price ($/Dth)			$ 14.188		Line 9 times (1 plus Line 10) plus Line 11
13	New Hampshire Division City-Gate Sendout to Sales Ratio			1.0127		See FXW-2
14	Northern Retail Meter Price ($/Dth)			$ 14.368		Line 12 times Line 13
15	Northern Retail Meter Price ($/therm)			$ 1.4368		Line 14 divided by 10

Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis	
		Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Nov-20	11/1/2020	5,214	5,687	10,901	5,214	-	5,214	$ 3.540	$ 18,458
Nov-20	11/2/2020	7,917	7,680	15,597	7,917	-	7,917	$ 3.540	$ 28,026
Nov-20	11/3/2020	8,861	7,600	16,461	8,861	-	8,861	$ 3.870	$ 34,292
Nov-20	11/4/2020	8,610	6,394	15,004	8,610	-	8,610	$ 2.150	$ 18,512
Nov-20	11/5/2020	7,067	3,727	10,794	7,067	-	7,067	$ 0.840	$ 5,936
Nov-20	11/6/2020	6,242	3,333	9,575	6,242	-	6,242	$ 0.775	$ 4,838
Nov-20	11/7/2020	5,621	3,529	9,150	5,621	-	5,621	$ 0.375	$ 2,108
Nov-20	11/8/2020	4,856	4,706	9,562	4,856	-	4,856	$ 0.375	$ 1,821
Nov-20	11/9/2020	7,024	5,256	12,280	7,024	-	7,024	$ 0.375	$ 2,634
Nov-20	11/10/2020	6,973	3,416	10,389	6,973	-	6,973	$ 0.605	$ 4,219
Nov-20	11/11/2020	6,542	3,277	9,819	6,542	-	6,542	$ 1.045	$ 6,836
Nov-20	11/12/2020	7,298	5,781	13,079	7,298	-	7,298	$ 1.580	$ 11,531
Nov-20	11/13/2020	7,241	6,614	13,855	7,241	-	7,241	$ 2.155	$ 15,604
Nov-20	11/14/2020	6,910	6,675	13,585	6,910	-	6,910	$ 2.280	$ 15,755
Nov-20	11/15/2020	5,002	5,543	10,545	5,002	-	5,002	$ 2.280	$ 11,405
Nov-20	11/16/2020	8,084	6,553	14,637	8,084	-	8,084	$ 2.280	$ 18,432
Nov-20	11/17/2020	8,481	7,686	16,167	8,481	-	8,481	$ 4.210	$ 35,705
Nov-20	11/18/2020	8,787	9,407	18,194	8,787	-	8,787	$ 4.360	$ 38,311
Nov-20	11/19/2020	7,805	6,860	14,665	7,805	-	7,805	$ 2.225	$ 17,366
Nov-20	11/20/2020	6,803	4,945	11,748	6,803	-	6,803	$ 1.550	$ 10,545
Nov-20	11/21/2020	6,874	5,906	12,780	6,874	-	6,874	$ 1.985	$ 13,645
Nov-20	11/22/2020	6,401	5,695	12,096	6,401	-	6,401	$ 1.985	$ 12,706
Nov-20	11/23/2020	7,890	7,243	15,133	7,890	-	7,890	$ 1.985	$ 15,662
Nov-20	11/24/2020	8,841	8,329	17,170	8,841	-	8,841	$ 3.260	$ 28,822
Nov-20	11/25/2020	6,628	7,063	13,691	6,628	-	6,628	$ 1.945	$ 12,891
Nov-20	11/26/2020	3,997	6,466	10,463	3,997	-	3,997	$ 1.380	$ 5,516
Nov-20	11/27/2020	3,744	5,664	9,408	3,744	-	3,744	$ 1.380	$ 5,167

Load Shape Price Factor Worksheet

		Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis	
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Nov-20	11/28/2020	4,035	6,272	10,307	4,035	-	4,035	$ 1.380	$ 5,568
Nov-20	11/29/2020	5,149	6,821	11,970	5,149	-	5,149	$ 1.380	$ 7,106
Nov-20	11/30/2020	6,843	4,951	11,794	6,843	-	6,843	$ 1.380	$ 9,443
Dec-20	12/1/2020	7,332	6,331	13,663	7,332	-	7,332	$ 2.370	$ 17,377
Dec-20	12/2/2020	8,043	7,477	15,520	8,043	-	8,043	$ 2.780	$ 22,360
Dec-20	12/3/2020	7,734	6,707	14,441	7,734	-	7,734	$ 2.405	$ 18,600
Dec-20	12/4/2020	6,547	5,920	12,467	6,547	-	6,547	$ 2.155	$ 14,109
Dec-20	12/5/2020	7,116	7,800	14,916	7,116	-	7,116	$ 3.055	$ 21,739
Dec-20	12/6/2020	5,951	8,437	14,388	5,951	-	5,951	$ 3.055	$ 18,180
Dec-20	12/7/2020	8,066	8,911	16,977	8,066	-	8,066	$ 3.055	$ 24,642
Dec-20	12/8/2020	8,480	9,370	17,850	8,480	-	8,480	$ 2.985	$ 25,313
Dec-20	12/9/2020	8,370	8,109	16,479	8,370	-	8,370	$ 2.645	$ 22,139
Dec-20	12/10/2020	8,039	8,137	16,176	8,039	-	8,039	$ 2.695	$ 21,665
Dec-20	12/11/2020	7,233	7,275	14,508	7,233	-	7,233	$ 2.225	$ 16,093
Dec-20	12/12/2020	6,580	6,332	12,912	6,580	-	6,580	$ 2.705	$ 17,799
Dec-20	12/13/2020	5,067	6,691	11,758	5,067	-	5,067	$ 2.705	$ 13,706
Dec-20	12/14/2020	8,057	8,229	16,286	8,057	-	8,057	$ 2.705	$ 21,794
Dec-20	12/15/2020	9,613	10,146	19,759	9,613	-	9,613	$ 5.825	$ 55,996
Dec-20	12/16/2020	9,237	9,185	18,422	9,237	-	9,237	$ 7.530	$ 69,555
Dec-20	12/17/2020	8,644	8,794	17,438	8,644	-	8,644	$ 9.445	$ 81,643
Dec-20	12/18/2020	8,393	8,763	17,156	8,393	-	8,393	$ 11.920	$ 100,045
Dec-20	12/19/2020	7,408	7,746	15,154	7,408	-	7,408	$ 7.200	$ 53,338
Dec-20	12/20/2020	7,735	7,676	15,411	7,735	-	7,735	$ 7.200	$ 55,692
Dec-20	12/21/2020	7,338	7,396	14,734	7,338	-	7,338	$ 7.200	$ 52,834
Dec-20	12/22/2020	7,272	6,990	14,262	7,272	-	7,272	$ 4.105	$ 29,852
Dec-20	12/23/2020	6,822	7,119	13,941	6,822	-	6,822	$ 3.320	$ 22,649
Dec-20	12/24/2020	3,918	4,510	8,428	3,918	-	3,918	$ 2.495	$ 9,775

Load Shape Price Factor Worksheet

		Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis	
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Dec-20	12/25/2020	4,013	5,032	9,045	4,013	-	4,013	$ 4.475	$ 17,958
Dec-20	12/26/2020	5,798	7,330	13,128	5,798	-	5,798	$ 4.475	$ 25,946
Dec-20	12/27/2020	7,065	6,960	14,025	7,065	-	7,065	$ 4.475	$ 31,616
Dec-20	12/28/2020	7,385	6,500	13,885	7,385	-	7,385	$ 4.475	$ 33,048
Dec-20	12/29/2020	8,499	9,339	17,838	8,499	-	8,499	$ 3.835	$ 32,594
Dec-20	12/30/2020	6,752	7,317	14,069	6,752	-	6,752	$ 3.265	$ 22,045
Dec-20	12/31/2020	4,898	7,525	12,423	4,898	-	4,898	$ 2.580	$ 12,637
Jan-21	1/1/2021	4,433	7,143	11,576	4,433	-	4,433	$ 2.410	$ 10,684
Jan-21	1/2/2021	6,493	7,628	14,121	6,493	-	6,493	$ 2.410	$ 15,648
Jan-21	1/3/2021	6,968	7,850	14,818	6,968	-	6,968	$ 2.410	$ 16,793
Jan-21	1/4/2021	7,451	8,205	15,656	7,451	-	7,451	$ 2.410	$ 17,957
Jan-21	1/5/2021	7,833	8,386	16,219	7,833	-	7,833	$ 3.295	$ 25,810
Jan-21	1/6/2021	7,790	8,017	15,807	7,790	-	7,790	$ 3.260	$ 25,395
Jan-21	1/7/2021	7,892	8,367	16,259	7,892	-	7,892	$ 2.990	$ 23,597
Jan-21	1/8/2021	7,662	8,339	16,001	7,662	-	7,662	$ 3.320	$ 25,438
Jan-21	1/9/2021	6,854	7,555	14,409	6,854	-	6,854	$ 3.860	$ 26,456
Jan-21	1/10/2021	5,920	8,156	14,076	5,920	-	5,920	$ 3.860	$ 22,851
Jan-21	1/11/2021	8,023	8,429	16,452	8,023	-	8,023	$ 3.860	$ 30,969
Jan-21	1/12/2021	7,803	7,910	15,713	7,803	-	7,803	$ 4.000	$ 31,212
Jan-21	1/13/2021	7,521	7,689	15,210	7,521	-	7,521	$ 4.385	$ 32,980
Jan-21	1/14/2021	7,688	7,663	15,351	7,688	-	7,688	$ 4.470	$ 34,365
Jan-21	1/15/2021	7,307	6,839	14,146	7,307	-	7,307	$ 3.020	$ 22,067
Jan-21	1/16/2021	6,162	6,627	12,789	6,162	-	6,162	$ 5.205	$ 32,073
Jan-21	1/17/2021	4,892	6,958	11,850	4,892	-	4,892	$ 5.205	$ 25,463
Jan-21	1/18/2021	7,655	8,534	16,189	7,655	-	7,655	$ 5.205	$ 39,844
Jan-21	1/19/2021	8,011	8,381	16,392	8,011	-	8,011	$ 5.205	$ 41,697
Jan-21	1/20/2021	8,359	9,349	17,708	8,359	-	8,359	$ 4.295	$ 35,902

Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis	
		Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Jan-21	1/21/2021	8,075	8,874	16,949	8,075	-	8,075	$ 3.040	$ 24,548
Jan-21	1/22/2021	7,722	7,959	15,681	7,722	-	7,722	$ 3.660	$ 28,263
Jan-21	1/23/2021	7,985	10,489	18,474	7,985	-	7,985	$ 5.475	$ 43,718
Jan-21	1/24/2021	6,426	9,990	16,416	6,426	-	6,426	$ 5.475	$ 35,182
Jan-21	1/25/2021	8,865	9,599	18,464	8,865	-	8,865	$ 5.475	$ 48,536
Jan-21	1/26/2021	8,866	8,719	17,585	8,866	-	8,866	$ 4.975	$ 44,108
Jan-21	1/27/2021	8,151	8,214	16,365	8,151	-	8,151	$ 4.770	$ 38,880
Jan-21	1/28/2021	8,920	10,600	19,520	8,920	-	8,920	$ 9.890	$ 88,219
Jan-21	1/29/2021	9,125	11,601	20,726	9,125	-	9,125	$ 11.595	$ 105,804
Jan-21	1/30/2021	8,971	11,186	20,157	8,971	-	8,971	$ 11.595	$ 104,019
Jan-21	1/31/2021	7,100	10,356	17,456	7,100	-	7,100	$ 11.595	$ 82,325
Feb-21	2/1/2021	7,127	9,370	16,497	7,127	-	7,127	$ 5.440	$ 38,771
Feb-21	2/2/2021	7,175	8,657	15,832	7,175	-	7,175	$ 8.110	$ 58,189
Feb-21	2/3/2021	7,982	8,300	16,282	7,982	-	7,982	$ 11.810	$ 94,267
Feb-21	2/4/2021	8,149	8,909	17,058	8,149	-	8,149	$ 10.835	$ 88,294
Feb-21	2/5/2021	7,370	8,112	15,482	7,370	-	7,370	$ 7.420	$ 54,685
Feb-21	2/6/2021	7,437	8,283	15,720	7,437	-	7,437	$ 11.465	$ 85,265
Feb-21	2/7/2021	6,237	9,304	15,541	6,237	-	6,237	$ 11.465	$ 71,507
Feb-21	2/8/2021	8,807	10,463	19,270	8,807	-	8,807	$ 11.465	$ 100,972
Feb-21	2/9/2021	8,050	10,366	18,416	8,050	-	8,050	$ 11.365	$ 91,488
Feb-21	2/10/2021	8,615	10,055	18,670	8,615	-	8,615	$ 10.465	$ 90,156
Feb-21	2/11/2021	8,576	10,944	19,520	8,576	-	8,576	$ 11.100	$ 95,194
Feb-21	2/12/2021	7,683	10,167	17,850	7,683	-	7,683	$ 12.310	$ 94,578
Feb-21	2/13/2021	7,218	8,929	16,147	7,218	-	7,218	$ 10.405	$ 75,103
Feb-21	2/14/2021	5,802	8,571	14,373	5,802	-	5,802	$ 10.405	$ 60,370
Feb-21	2/15/2021	7,746	8,615	16,361	7,746	-	7,746	$ 10.405	$ 80,597
Feb-21	2/16/2021	8,502	8,976	17,478	8,502	-	8,502	$ 10.405	$ 88,463

Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads Capacity Exempt	Capacity Assigned	Total	Delivery Service Loads Not Subject to Capacity Assignment Capacity Exempt	Capacity Assigned	Total	2020-2021 Cost Analysis AGT City-Gate Price	AGT City-Gate Cost
Feb-21	2/17/2021	8,801	9,842	18,643	8,801	-	8,801	$ 10.955	$ 96,415
Feb-21	2/18/2021	8,591	9,328	17,919	8,591	-	8,591	$ 10.600	$ 91,065
Feb-21	2/19/2021	8,137	8,933	17,070	8,137	-	8,137	$ 8.590	$ 69,897
Feb-21	2/20/2021	7,695	9,051	16,746	7,695	-	7,695	$ 6.725	$ 51,749
Feb-21	2/21/2021	7,311	8,994	16,305	7,311	-	7,311	$ 6.725	$ 49,166
Feb-21	2/22/2021	7,646	8,259	15,905	7,646	-	7,646	$ 6.725	$ 51,419
Feb-21	2/23/2021	7,878	7,452	15,330	7,878	-	7,878	$ 4.460	$ 35,136
Feb-21	2/24/2021	6,880	6,751	13,631	6,880	-	6,880	$ 3.180	$ 21,878
Feb-21	2/25/2021	7,527	8,443	15,970	7,527	-	7,527	$ 3.440	$ 25,893
Feb-21	2/26/2021	7,524	7,810	15,334	7,524	-	7,524	$ 2.655	$ 19,976
Feb-21	2/27/2021	7,288	6,952	14,240	7,288	-	7,288	$ 2.655	$ 19,350
Feb-21	2/28/2021	6,104	6,711	12,815	6,104	-	6,104	$ 2.655	$ 16,206
Mar-21	3/1/2021	8,079	9,677	17,756	8,079	-	8,079	$ 3.385	$ 27,347
Mar-21	3/2/2021	8,796	10,247	19,043	8,796	-	8,796	$ 6.470	$ 56,910
Mar-21	3/3/2021	7,816	7,786	15,602	7,816	-	7,816	$ 4.125	$ 32,241
Mar-21	3/4/2021	8,360	9,744	18,104	8,360	-	8,360	$ 8.235	$ 68,845
Mar-21	3/5/2021	8,375	9,774	18,149	8,375	-	8,375	$ 7.100	$ 59,463
Mar-21	3/6/2021	7,996	8,849	16,845	7,996	-	7,996	$ 5.355	$ 42,819
Mar-21	3/7/2021	6,194	8,556	14,750	6,194	-	6,194	$ 5.355	$ 33,169
Mar-21	3/8/2021	8,003	8,062	16,065	8,003	-	8,003	$ 5.355	$ 42,856
Mar-21	3/9/2021	7,960	7,104	15,064	7,960	-	7,960	$ 2.845	$ 22,646
Mar-21	3/10/2021	7,491	6,984	14,475	7,491	-	7,491	$ 2.740	$ 20,525
Mar-21	3/11/2021	6,480	4,286	10,766	6,480	-	6,480	$ 2.370	$ 15,358
Mar-21	3/12/2021	6,533	5,868	12,401	6,533	-	6,533	$ 2.310	$ 15,091
Mar-21	3/13/2021	6,799	6,843	13,642	6,799	-	6,799	$ 4.115	$ 27,978
Mar-21	3/14/2021	7,184	9,346	16,530	7,184	-	7,184	$ 4.115	$ 29,562
Mar-21	3/15/2021	9,579	10,470	20,049	9,579	-	9,579	$ 4.115	$ 39,418

Load Shape Price Factor Worksheet

		Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis	
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Mar-21	3/16/2021	8,684	8,172	16,856	8,684	-	8,684	$ 4.515	$ 39,208
Mar-21	3/17/2021	7,487	6,764	14,251	7,487	-	7,487	$ 2.675	$ 20,028
Mar-21	3/18/2021	7,432	7,003	14,435	7,432	-	7,432	$ 2.760	$ 20,512
Mar-21	3/19/2021	7,727	7,428	15,155	7,727	-	7,727	$ 3.450	$ 26,658
Mar-21	3/20/2021	7,107	5,773	12,880	7,107	-	7,107	$ 2.205	$ 15,671
Mar-21	3/21/2021	6,247	5,921	12,168	6,247	-	6,247	$ 2.205	$ 13,775
Mar-21	3/22/2021	7,056	6,419	13,475	7,056	-	7,056	$ 2.205	$ 15,558
Mar-21	3/23/2021	7,138	5,720	12,858	7,138	-	7,138	$ 2.090	$ 14,918
Mar-21	3/24/2021	6,554	5,333	11,887	6,554	-	6,554	$ 2.140	$ 14,026
Mar-21	3/25/2021	6,493	4,764	11,257	6,493	-	6,493	$ 1.930	$ 12,531
Mar-21	3/26/2021	6,198	3,976	10,174	6,198	-	6,198	$ 1.835	$ 11,373
Mar-21	3/27/2021	6,841	5,323	12,164	6,841	-	6,841	$ 1.835	$ 12,553
Mar-21	3/28/2021	5,780	5,948	11,728	5,780	-	5,780	$ 1.835	$ 10,606
Mar-21	3/29/2021	8,314	6,789	15,103	8,314	-	8,314	$ 1.835	$ 15,256
Mar-21	3/30/2021	7,551	5,889	13,440	7,551	-	7,551	$ 1.940	$ 14,649
Mar-21	3/31/2021	6,621	4,326	10,947	6,621	-	6,621	$ 1.915	$ 12,679
Apr-21	4/1/2021	7,906	7,027	14,933	7,906	-	7,906	$ 2.535	$ 20,042
Apr-21	4/2/2021	7,608	7,070	14,678	7,608	-	7,608	$ 2.255	$ 17,156
Apr-21	4/3/2021	6,982	6,066	13,048	6,982	-	6,982	$ 2.255	$ 15,744
Apr-21	4/4/2021	6,600	4,836	11,436	6,600	-	6,600	$ 2.255	$ 14,883
Apr-21	4/5/2021	7,170	6,015	13,185	7,170	-	7,170	$ 2.255	$ 16,168
Apr-21	4/6/2021	7,074	5,130	12,204	7,074	-	7,074	$ 1.930	$ 13,653
Apr-21	4/7/2021	6,780	4,551	11,331	6,780	-	6,780	$ 2.000	$ 13,560
Apr-21	4/8/2021	6,921	5,239	12,160	6,921	-	6,921	$ 1.920	$ 13,288
Apr-21	4/9/2021	6,754	4,501	11,255	6,754	-	6,754	$ 1.795	$ 12,123
Apr-21	4/10/2021	5,806	3,678	9,484	5,806	-	5,806	$ 1.775	$ 10,306
Apr-21	4/11/2021	7,038	5,408	12,446	7,038	-	7,038	$ 1.775	$ 12,492

Load Shape Price Factor Worksheet

Month	Date	Historic Delivery Service Loads: Capacity Exempt	Historic Delivery Service Loads: Capacity Assigned	Historic Delivery Service Loads: Total	Delivery Service Loads Not Subject to Capacity Assignment: Capacity Exempt	Delivery Service Loads Not Subject to Capacity Assignment: Capacity Assigned	Delivery Service Loads Not Subject to Capacity Assignment: Total	2020-2021 Cost Analysis: AGT City-Gate Price	2020-2021 Cost Analysis: AGT City-Gate Cost
Apr-21	4/12/2021	7,731	5,835	13,566	7,731	-	7,731	$ 1.775	$ 13,723
Apr-21	4/13/2021	7,458	4,824	12,282	7,458	-	7,458	$ 1.940	$ 14,469
Apr-21	4/14/2021	7,358	5,139	12,497	7,358	-	7,358	$ 2.065	$ 15,194
Apr-21	4/15/2021	7,168	5,815	12,983	7,168	-	7,168	$ 2.355	$ 16,881
Apr-21	4/16/2021	7,696	6,650	14,346	7,696	-	7,696	$ 3.170	$ 24,396
Apr-21	4/17/2021	6,818	5,338	12,156	6,818	-	6,818	$ 2.865	$ 19,534
Apr-21	4/18/2021	6,832	5,282	12,114	6,832	-	6,832	$ 2.865	$ 19,574
Apr-21	4/19/2021	7,530	4,850	12,380	7,530	-	7,530	$ 2.865	$ 21,573
Apr-21	4/20/2021	7,775	4,321	12,096	7,775	-	7,775	$ 2.445	$ 19,010
Apr-21	4/21/2021	7,506	6,009	13,515	7,506	-	7,506	$ 2.605	$ 19,553
Apr-21	4/22/2021	8,365	6,834	15,199	8,365	-	8,365	$ 3.135	$ 26,224
Apr-21	4/23/2021	6,142	4,519	10,661	6,142	-	6,142	$ 2.465	$ 15,140
Apr-21	4/24/2021	3,760	3,191	6,951	3,760	-	3,760	$ 2.160	$ 8,122
Apr-21	4/25/2021	5,260	5,107	10,367	5,260	-	5,260	$ 2.160	$ 11,362
Apr-21	4/26/2021	8,383	6,029	14,412	8,383	-	8,383	$ 2.160	$ 18,107
Apr-21	4/27/2021	7,309	4,561	11,870	7,309	-	7,309	$ 2.600	$ 19,003
Apr-21	4/28/2021	6,835	5,023	11,858	6,835	-	6,835	$ 2.525	$ 17,258
Apr-21	4/29/2021	6,866	5,165	12,031	6,866	-	6,866	$ 2.465	$ 16,925
Apr-21	4/30/2021	6,859	4,898	11,757	6,859	-	6,859	$ 2.400	$ 16,462
Winter Period		1,311,091	1,303,347	2,614,438	1,311,091	-	1,311,091	$ 4.343	$ 5,694,604

Weighted Average Daily Price	$ 4.343
Straight Average Daily Price	$ 4.154
Load Shape Price Factor	1.046

Month	Projected Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment		
	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total
Nov-21	227,140	211,485	438,625	227,140	-	227,140
Dec-21	231,339	241,104	472,443	231,339	-	231,339
Jan-22	256,763	273,557	530,320	256,763	-	256,763
Feb-22	242,833	251,374	494,207	242,833	-	242,833
Mar-22	255,609	250,793	506,402	255,609	-	255,609
Apr-22	232,427	202,864	435,291	232,427	-	232,427
Winter	1,446,111	1,431,177	2,877,288	1,446,111	-	1,446,111

REDACTED

Estimated Delivered City-Gate Commodity Costs and Volumes
November 2021 through April 2022

Denotes Confidential Information

Rank	Supply Source	Delivered City-Gate Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
1	Tennessee Storage	[redacted]	206,842	[redacted]
2	Union Dawn Storage		3,141,670	
3	Dawn Supply		781,700	
4	TGP Zone 4 300 Leg Supply		180,766	
5	Leidy Hub		144,313	
6	Tennessee Niagara Pipeline Path		327,906	
7	PXP Dawn Pipeline Path		1,217,695	
8	Lewiston LNG		10,824	
9	Peaking Contract 1		268,591	
10	Tennessee Zone L		934,196	
11	Tennessee Zone 0		459,229	
12	Iroquois Receipts Pipeline Path		943,403	
13	Atlantic Bridge Ramapo Pipeline Path		1,056,497	
14	Transco Zone 6, non-NY		43,186	
15	Texas Eastern Zone M-3		1,402	
16	PNGTS Delivered (Dec - Feb)		224,213	
17	Peaking Contract 2		298,950	
	Total Delivered Commodity Cost	$54,844,677	10,241,382	$5.355

REDACTED

Estimated Delivered City-Gate Commodity Costs and Volumes
May 2022 through October 2022

Denotes Confidential Information

Rank	Supply Source	Delivered City-Gate Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
1	TGP Zone 4 300 Leg Supply	[redacted]	394,032	[redacted]
2	Atlantic Bridge Ramapo Pipeline Path	[redacted]	1,074,008	[redacted]
3	Tennessee Niagara Pipeline Path	[redacted]	333,341	[redacted]
4	Dawn Supply	[redacted]	1,191,914	[redacted]
5	Lewiston LNG	[redacted]	11,040	[redacted]
	Total Delivered Commodity Cost	$10,424,440	3,004,335	$3.470

Northern Utilities, Inc.
Normal Year Sendout Volumes (Dth)
Sales Service and Company Managed Sales Sendout
November 2021 through October 2022

Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter
Pipeline Supplies													
Tennessee Long-Haul Pipeline Path	281,181	316,267	264,227	240,554	280,537	10,660	0	0	0	0	0	0	1,393,425
Algonquin Receipts Pipeline Path	37,530	38,781	38,781	35,028	38,781	0	0	0	0	0	0	0	188,901
Iroquois Receipts Pipeline Path	187,431	193,679	193,679	174,936	193,679	0	0	0	0	0	0	0	943,403
Tennessee Niagara Pipeline Path	54,349	56,161	56,161	50,726	56,161	54,349	56,161	54,349	56,161	56,161	54,349	56,161	327,906
Atlantic Bridge Ramapo Pipeline Path	175,110	180,947	180,947	163,436	180,947	175,110	180,947	175,110	180,947	180,947	175,110	180,947	1,056,497
PXP Dawn Pipeline Path	227,792	240,125	240,125	216,887	240,125	52,641	0	0	0	0	0	0	1,217,695
WXP Dawn Pipeline Path	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Pipeline	963,393	1,025,960	973,919	881,566	990,229	292,760	237,108	229,459	237,108	237,108	229,459	237,108	5,127,827
Underground Storage													
Tennessee Storage	0	66,386	66,386	59,632	14,438	0	0	0	0	0	0	0	206,842
TGP Zone 4 300 Leg Supply	64,244	0	0	330	51,947	64,244	66,386	64,244	66,386	66,386	64,244	66,386	180,766
Tennessee FS-MA Storage Path	64,244	66,386	66,386	59,961	66,386	64,244	66,386	64,244	66,386	66,386	64,244	66,386	387,608
Union Dawn Storage	334,018	664,818	747,767	810,716	584,350	0	0	0	0	0	0	0	3,141,670
Dawn Supply	0	0	0	7,166	27,942	746,591	320,425	133,836	92,313	97,584	132,390	415,365	781,700
Union Dawn Storage Path	334,018	664,818	747,767	817,882	612,292	746,591	320,425	133,836	92,313	97,584	132,390	415,365	3,923,369
Subtotal Storage	398,262	731,204	814,153	877,844	678,678	810,836	386,811	198,080	158,699	163,970	196,634	481,751	4,310,977
Peaking Supplies													
Lewiston LNG	1,794	1,854	1,854	1,674	1,854	1,794	1,860	1,800	1,860	1,860	1,800	1,860	10,824
PNGTS Delivered (Dec - Feb)	0	77,229	77,229	69,755	0	0	0	0	0	0	0	0	224,213
Peaking Contract 1	0	13,649	243,664	11,017	261	0	0	0	0	0	0	0	268,591
Peaking Contract 2	0	42,181	104,918	87,560	64,291	0	0	0	0	0	0	0	298,950
Incremental Delivered Supplies	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Peaking	1,794	134,913	427,664	170,007	66,406	1,794	1,860	1,800	1,860	1,860	1,800	1,860	802,578
Total Delivered (Dth)	1,363,449	1,892,076	2,215,737	1,929,417	1,735,313	1,105,390	625,779	429,339	397,667	402,938	427,893	720,719	10,241,382

Northern Utilities, Inc.
Design Year Sendout Volumes (Dth)
Planning Load
November 2021 through October 2022

Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter
Pipeline Supplies													
Tennessee Long-Haul Pipeline Path	355,539	406,378	406,378	367,051	406,378	0	0	0	0	0	0	0	1,941,723
Algonquin Receipts Pipeline Path	37,530	38,781	38,781	35,028	38,781	37,530	38,781	37,530	38,781	38,781	37,530	38,781	226,431
Iroquois Receipts Pipeline Path	193,021	199,455	199,455	180,153	199,455	0	0	0	0	0	0	0	971,541
Tennessee Niagara Pipeline Path	69,805	72,132	72,132	65,151	72,132	69,805	69,384	60,774	53,825	72,132	69,805	72,132	421,156
Atlantic Bridge Ramapo Pipeline Path	225,000	232,500	232,500	210,000	232,500	225,000	232,500	225,000	232,500	232,500	225,000	232,500	1,357,500
PXP Dawn Pipeline Path	291,718	308,574	308,574	278,712	308,574	11,515	0	0	0	0	0	0	1,507,666
WXP Dawn Pipeline Path	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Pipeline	1,172,613	1,257,819	1,257,819	1,136,095	1,257,819	343,850	340,665	323,304	325,106	343,413	332,335	343,413	6,426,016
Underground Storage													
Tennessee Storage	0	81,955	81,955	73,607	17,760	0	0	0	0	0	0	0	255,276
TGP Zone 4 300 Leg Supply	79,311	0	0	417	64,196	79,311	81,955	79,311	81,955	81,955	79,311	81,955	223,236
Tennessee FS-MA Storage Path	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	478,512
Union Dawn Storage	384,599	867,675	1,034,348	960,599	630,109	0	0	0	0	0	0	0	3,877,329
Dawn Supply	0	0	0	71,125	162,753	793,077	270,139	24,877	0	2,737	102,054	463,431	1,026,955
Union Dawn Storage Path	384,599	867,675	1,034,348	1,031,724	792,862	793,077	270,139	24,877	0	2,737	102,054	463,431	4,904,284
Subtotal Storage	463,910	949,630	1,116,303	1,105,748	874,817	872,388	352,094	104,188	81,955	84,692	181,365	545,386	5,382,797
Peaking Supplies													
Lewiston LNG	1,794	1,854	35,371	9,634	13,513	1,794	1,860	1,800	1,860	1,860	1,800	1,860	63,960
PNGTS Delivered (Dec - Feb)	0	77,229	77,229	69,755	0	0	0	0	0	0	0	0	224,213
Peaking Contract 1	0	33,640	208,002	88,429	38,427	0	0	0	0	0	0	0	368,498
Peaking Contract 2	0	50,431	153,400	95,120	0	0	0	0	0	0	0	0	298,950
Incremental Delivered Supplies	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Peaking	1,794	163,153	474,002	262,937	51,940	1,794	1,860	1,800	1,860	1,860	1,800	1,860	955,620
Total Delivered (Dth)	1,638,317	2,370,603	2,848,124	2,504,780	2,184,576	1,218,032	694,618	429,292	408,921	429,965	515,500	890,659	12,764,433

Northern Utilities, Inc.
Normal Year Capacity Utilization (Dth)
Sales Service and Company Managed Sales Sendout
November 2021 through October 2022

Description	Winter Projected Volume (Dth)	Winter Maximum Volume (Dth)	Winter Capacity Utilization	Summer Projected Volume (Dth)	Summer Maximum Volume (Dth)	Summer Capacity Utilization	Annual Projected Volume (Dth)	Annual Maximum Volume (Dth)	Annual Capacity Utilization
Pipeline Supplies									
Tennessee Long-Haul Pipeline Path	1,393,425	1,846,592	75%	0	1,877,199	0%	1,393,425	3,723,791	37%
Algonquin Receipts Pipeline Path	188,901	226,431	83%	0	230,184	0%	188,901	456,615	41%
Iroquois Receipts Pipeline Path	943,403	1,123,542	84%	0	1,142,371	0%	943,403	2,265,913	42%
Tennessee Niagara Pipeline Path	327,906	327,906	100%	333,341	333,341	100%	661,247	661,248	100%
Atlantic Bridge Ramapo Pipeline Path	1,056,497	1,056,497	100%	1,074,008	1,074,008	100%	2,130,505	2,130,505	100%
PXP Dawn Pipeline Path	1,217,695	1,403,612	87%	0	1,426,876	0%	1,217,695	2,830,489	43%
Subtotal Pipeline	5,127,827	5,984,580	86%	1,407,349	6,083,979	23%	6,535,176	12,068,560	54%
Underground Storage									
Tennessee Storage	206,842			0			206,842		
TGP Zone 4 300 Leg Supply	180,766			394,032			574,798		
Tennessee FS-MA Storage Path	387,608	387,608	100%	394,032	394,032	100%	781,640	781,640	100%
Union Dawn Storage	3,141,670			0			3,141,670		
Dawn Supply	781,700			1,191,914			1,973,613		
Union Dawn Storage Path	3,923,369	5,846,219	67%	1,191,914	5,943,118	20%	5,115,283	11,789,337	43%
Subtotal Storage	4,310,977	6,233,827	69%	1,585,946	6,337,150	25%	5,896,923	12,570,976	47%
Peaking Supplies									
Lewiston LNG	10,824	113,960	9%	11,040	11,040	100%	21,864	125,000	17%
PNGTS Delivered (Dec - Feb)	224,213	224,213	100%	0	0		224,213	224,213	
Peaking Contract 1	268,591	597,900	45%	0	0		268,591	597,900	
Peaking Contract 2	298,950	298,950	100%	0	0		298,950	298,950	
Subtotal Peaking	802,578	1,235,023	65%	11,040	11,040	100%	813,618	1,246,063	65%
Portfolio Utilization	10,241,382	13,453,429	76%	3,004,335	12,432,169	24%	13,245,717	25,885,598	51%
Incremental Delivered Supplies	0	N/A		0	N/A		0	N/A	
Total Delivered	10,241,382	N/A		3,004,335	N/A		13,245,717	N/A	

Northern Utilities, Inc.
Design Year Capacity Utilization
Planning Load
November 2021 through October 2022

Description	Winter Projected Volume (Dth)	Winter Maximum Volume (Dth)	Winter Capacity Utilization	Summer Projected Volume (Dth)	Summer Maximum Volume (Dth)	Summer Capacity Utilization	Annual Projected Volume (Dth)	Annual Maximum Volume (Dth)	Annual Capacity Utilization
Pipeline Supplies									
Tennessee Long-Haul Pipeline Path	1,941,723	2,372,721	82%	0	2,412,048	0%	1,941,723	4,784,770	41%
Algonquin Receipts Pipeline Path	226,431	226,431	100%	230,184	230,184	100%	456,615	456,615	100%
Iroquois Receipts Pipeline Path	971,541	1,157,270	84%	0	1,176,659	0%	971,541	2,333,929	42%
Tennessee Niagara Pipeline Path	421,156	421,156	100%	398,051	428,136	93%	819,207	849,292	96%
Atlantic Bridge Ramapo Pipeline Path	1,357,500	1,357,500	100%	1,380,000	1,380,000	100%	2,737,500	2,737,500	100%
PXP Dawn Pipeline Path	1,507,666	1,803,665	84%	0	1,833,560	0%	1,507,666	3,637,225	41%
Subtotal Pipeline	6,426,016	7,338,743	88%	2,008,235	7,460,587	27%	8,434,251	14,799,330	57%
Underground Storage									
Tennessee Storage	255,276			0			255,276		
TGP Zone 4 300 Leg Supply	223,236			486,443			709,679		
Tennessee FS-MA Storage Path	478,512	478,512	100%	486,443	486,443	100%	964,956	964,956	100%
Union Dawn Storage	3,877,329			0			3,877,329		
Dawn Supply	1,026,955			863,237			1,890,192		
Union Dawn Storage Path	4,904,284	7,215,201	68%	863,237	7,334,790	12%	5,767,521	14,549,991	40%
Subtotal Storage	5,382,797	7,693,713	70%	1,349,681	7,821,233	17%	6,732,477	15,514,946	43%
Peaking Supplies									
Lewiston LNG	63,960	63,960	100%	11,040	11,040	100%	75,000	75,000	100%
PNGTS Delivered (Dec - Feb)	224,213	224,213	100%	0	0		224,213	224,213	
Peaking Contract 1	368,498	597,900	62%	0	0		368,498	597,900	
Peaking Contract 2	298,950	298,950	100%	0	0		298,950	298,950	
Subtotal Peaking	955,620	1,185,023	81%	11,040	11,040	100%	966,660	1,196,063	81%
Portfolio Utilization	12,764,433	16,217,479	79%	3,368,955	15,292,860	22%	16,133,388	31,510,339	51%
Incremental Delivered Supplies	0	N/A		0	N/A		0	N/A	
Total Delivered	12,764,433	N/A		3,368,955	N/A		16,133,388	N/A	

Northern Utilities Inc.
Forecast of Upcoming Winter Period Design Day Report
2021 / 2022 Winter Period
(Therms)

Demand	
NH Firm Sales	501,240
NH Non-Capacity Exempt Transportation	154,160
NH Capacity Exempt Transportation	109,730
NH Interruptible Sales	0
NH Interruptible Transportation	0
NH Design Day Demand	765,130
ME Firm Sales	693,200
ME Non-Capacity Exempt Transportation	142,180
ME Capacity Exempt Transportation	121,070
ME Interruptible Sales	0
ME Interruptible Transportation	0
ME Design Day Demand	956,450
Total Firm Sales	1,194,440
Total Non-Capacity Exempt Transportation	296,340
Total Capacity Exempt Transportation	230,800
Total Interruptible Sales	0
Total Interruptible Transportation	0
Total Design Day Demand	1,721,580
Supplies	
Capacity Exempt Transportation	230,800
Additional Supplies Required for Non-Capacity Exempt Transporta	113,360
Pipeline	405,860
Storage	425,070
On-System LNG	65,000
Off-System Peaking Contracts & Delivered Baseload	523,163
Additional Granite Capacity	9,350
Total	1,772,603

Effective Degree Day	
New Hampshire	80.2
Maine	78.6
Probability	1 in 30

Report Prepared By	Francis X. Wells
Title	Manager, Energy Planning
Signature	Fran X Wells

Northern Utilities Inc.
New Hampshire 7 Day Cold Snap Analysis
Winter 2019-2020

Coldest 7 Consecutive Days
Based on historic Portsmouth weather data

Date	EDD
February 11, 1979	68
February 12, 1979	60
February 13, 1979	73
February 14, 1979	73
February 15, 1979	64
February 16, 1979	69
February 17, 1979	72
Total	479

Maximum Projected Design Week Demand (Dth)

Daily Baseload	3,793
Weekly Baseload	26,554
Heating Increment*	715
Effective Degree Days	479
Total Heat Load	342,423
Projected Cold Snap Demand	368,977

New Hampshire Allocation **40.99%**
Based on the latest demand cost allocator in the Winter COG filing.

Maximum Supply Capability (Dth)

Amount to be Supplied by Natural Gas Pipelines	
Tennessee Zone 0 and Zone L Pools	13,109
Tennessee Niagara	2,327
Iroquois Receipts	6,434
Leidy Hub Supply (Texas Eastern, Algonquin)	965
Transco Zone 6, non-NY Supply (Algonquin)	286
PXP Dawn Hub	9,965
Atlantic Bridge Ramapo	7,500
Tennessee Firm Storage	2,644
Union Dawn Storage	39,863
Peaking Contract 1	39,860
Peaking Contract 2	9,965
PNGTS Dec - Feb	2,491
Total Daily Pipeline	135,409
Pipeline for 7 days	947,863
New Hampshire Allocation	388,529

Available LNG Storage

Facility	Gallons	Dth
Lewiston LNG	145,134	12,140
Total	145,134	12,140
New Hampshire Allocation - 7 Days		4,976

LNG Delivery Contract

Northern Utilities plans to secure a contract for LNG Delivery for up to three loads of LNG per day.

The storage credit for LNG is calculated as follows:

Number of Days	7
Number of Loads	3
Delivery Reliability	70%
Assumed Number of LNG Deliveries	15
Dth Per Load	900
Total Storage Credit	13,230
NH Storage Credit - 7 Days	5,423

Summary	
Maximum projected design week demand	368,977
Amount to be furnished by natural gas pipeline	388,529
Remaining Balance	-19,552
Storage available	4,976
Credit from LNG delivery supply contract	5,423
Total available storage and LNG deliveries	10,399
Net Surplus/(Deficiency)	**29,951**

Report Prepared By — Francis X. Wells
Title — Manager, Energy Planning
Signature — Francis X Wells

Northern Utilities, Inc.
New Hampshire Division
Migration to Transportation Only Service by Rate Class
November 2021 through October 2022

C&I Rate Class	Annual Sales Service Deliveries (Dth)	Percentage of Sales Service Total by Rate Class	Sales Service Percentage by Rate Class
G40	983,033	41%	86%
G50	156,605	7%	84%
G41	765,997	32%	50%
G51	249,241	10%	49%
G42	161,855	7%	27%
G52	63,141	3%	4%
Special Contracts	-	0%	0%
Total C&I	2,379,872	100%	33%

C&I Rate Class	Annual Transport-Only Deliveries (Dth)	Percentage of Transport Only Total by Rate Class	Transportation Service Percentage by Rate Class
G40	157,376	3%	14%
G50	30,275	1%	16%
G41	772,150	16%	50%
G51	264,658	6%	52%
G42	433,200	9%	73%
G52	1,740,881	37%	97%
Special Contracts	1,346,530	28%	100%
Total C&I	4,745,071	100%	67%

C&I Rate Class	Annual Total Deliveries (Dth)	Percentage of Total by Rate Class
G40	1,140,409	16%
G50	186,880	3%
G41	1,538,147	22%
G51	513,900	7%
G42	595,055	8%
G52	1,804,022	25%
Special Contracts	1,346,530	19%
Total C&I	7,124,944	100%