

New Hampshire Monthly Cost of Gas Report

Summer Period

April 2022 Summary

The objective of the Summer Period Monthly Cost of Gas (“COG”) analysis is to determine if COG rates need to be adjusted in order to minimize the October 31, 2022 expected end of year balance. This is done by determining if the projected Summer Period ending balance exceeds the threshold for a rate change and, if exceeded, the rate change would lower the expected end of year balance.

The April 2022 analysis and summary incorporates the April 1, 2022 target balance and updates projected NYMEX prices over the Summer Period. NYMEX prices were updated to reflect closing prices on April 21, 2022 and are reflected in the revised projected direct gas costs shown on Line 19 of Table 1. The change in NYMEX prices also impacts the working capital component of projected indirect gas costs as shown on Line 20.

As shown Line 23 of Table 1, the projected end of Summer Period balance is an under-collection of \$3,002,631. This under-collection is due to substantially higher NYMEX prices and results in a balance that is well above the 4% Summer Period threshold of \$512,597 (Line 37) for requiring a change in COG rates. In addition, there is no Winter Period over-collection to help offset the end of year balance. Therefore, a Summer Period COG rate change is required.

Due to the size of the under-collection, Northern is increasing rates by their maximum amount, 25 percent above the initially approved rate¹. However, this increase will not recover the total estimated summer season under-collection leaving a remaining under-collection balance of approximately \$1.95 million. Due to the amount of this shortfall, the Company will consider submitting an amended cost of gas filing in early May, for effect June 1st, to recover the remaining balance if there are no material declines in NYMEX prices towards the end of April.

Support for the projected end of Summer Period and end of year balances is provided in Table 2. The Summer Period Target Balance is provided in Table 3.

¹ The increase in rates, \$0.1185, represents an increase of 25% above the initially approved Low Winter / High Load Factor C&I rate.

NORTHERN UTILITIES, INC.
NEW HAMPSHIRE DIVISION
Calculation of the Projected Over or Under Collection of the
2021-2022 Summer Period Cost of Gas
DG 21-131
April 2022 Estimated

1	April 30, 2022 Target Balance	\$ (5,202,006)	Table 3
2			
3	Forecasted firm therm sales 05/01/22-10/31/22		
4	Residential Heat & Non Heat	3,673,138	Table 2, PG. 2, Line 2
5	HLF Classes	1,996,958	Table 2, PG. 2, Line 3
6	LLF Classes	3,236,934	Table 2, PG. 2, Line 4
7			
8	Current recovery rate per therm		
9	Residential heat & non heat	\$0.5176	Table 2, PG. 1, Line 7
10	HLF classes	\$0.4740	Table 2, PG. 1, Line 8
11	LLF classes	\$0.5445	Table 2, PG. 1, Line 9
12			
13	Total	\$ (4,610,285)	(LN 4 * Ln 9) + (LN 5 * LN 10) + (LN 6 * LN 11)
14			
15	Forecasted recovered costs at current rates 05/01/22 - 10/31/22	\$ (4,610,285)	LN 13
16	Actual recovered costs	\$ -	
17	Estimated total recovered costs 05/01/22 - 10/31/22	\$ (4,610,285)	LN 15 + LN 16
18			
19	Revised projected direct gas costs [1]	\$ 12,592,109	Table 2, PG. 2, Line 68
20	Revised projected indirect gas costs [2]	\$ 222,813	Table 2, PG. 4, Line 100
21	Revised total projected gas costs 05/01/2022 - 10/31/2022	\$ 12,814,921	LN 19 + LN 20
22			
23	Projected October 31, 2022 Summer Season Balance	\$ 3,002,631	LN 1 + LN 17 + LN 21
24			
25	Projected Winter Season Variance	\$ 426,968	Table 2, Page 3, LN 110
26			
27	Projected End of Year Balance	\$ 3,429,599	Table 2, Page 3, LN 98
28			
29			
30			
31	Projected Summer Season Imbalance Type	Under-collection	
32			
33	Projected Summer Balance Projection	23.43%	LN 23 / LN 21
34			
35	Summer Season Over-collection Threshold (4% over Summer Costs)	NA	
36			
37	Summer Season Under-collection Threshold (4% over Year End Balance)	\$ 512,597	LN 21 * 4%
38			
39	Over-collection Rate Adjustment Required	NA	
40			
41	Under-collection Rate Adjustment Required	Yes	IF (ABS) LN 23 > (ABS) LN 37 Yes, ELSE No
42			
43	Maxium Under-collection Recovery Allowed	\$ 1,055,500	Based on 25% above Initial Approved Rate
44			
45	Remaing Summer Season Under-collection Balance	\$ 1,947,131	LN 23 - LN 43

NOTES

[1] Reflects futures prices as of April 21, 2022

[2] Includes: Working Capital Allowance, Bad Debt Allowance, Production and Storage Capacity, Miscellaneous Overhead and Interest

Northern Utilities
NEW HAMPSHIRE (Over) / Undercollection Analysis, Balances and Interest Calculation

		Winter						Summer					
		(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)
Sales Revenues	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
Volumes													
Residential Heat & Non Heat							1,615,855	791,744	517,185	437,049	443,237	491,840	992,084
Sales HLF Classes							280,756	418,861	285,038	250,296	254,950	275,778	512,036
Sales LLF Classes							1,559,929	697,006	455,024	386,854	392,235	440,500	865,314
Total							3,456,540	1,907,611	1,257,246	1,074,199	1,090,422	1,208,118	2,369,434
Rates													
Residential Heat & Non Heat CGA							\$ 1.0547	\$ 0.5176	\$ 0.5176	\$ 0.5176	\$ 0.5176	\$ 0.5176	\$ 0.5176
Sales HLF Classes CGA							\$ 0.9608	\$ 0.4740	\$ 0.4740	\$ 0.4740	\$ 0.4740	\$ 0.4740	\$ 0.4740
Sales LLF Classes CGA							\$ 1.0706	\$ 0.5445	\$ 0.5445	\$ 0.5445	\$ 0.5445	\$ 0.5445	\$ 0.5445
Revenues													
Residential Heat & Non Heat					\$ -		\$ (1,704,242)	\$ (409,807)	\$ (267,695)	\$ (226,216)	\$ (229,419)	\$ (254,576)	\$ (513,503)
Sales HLF Classes					\$ -		\$ (269,751)	\$ (198,540)	\$ (135,108)	\$ (118,640)	\$ (120,846)	\$ (130,719)	\$ (242,705)
Sales LLF Classes					\$ -		\$ (1,670,060)	\$ (379,520)	\$ (247,760)	\$ (210,642)	\$ (213,572)	\$ (239,852)	\$ (471,164)
Total Sales		\$ (3,825,791)	\$ (5,514,058)	\$ (7,324,017)	\$ (6,736,040)	\$ (5,403,945)	\$ (3,644,053)	\$ (987,867)	\$ (650,563)	\$ (555,499)	\$ (563,838)	\$ (625,147)	\$ (1,227,371)
		Winter						Summer					
		(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)
Gas Costs and Credits	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
Demand Costs (net of Capacity Assignment)													
Pipeline							\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451
Storage							\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421
On-system Peaking							\$ 97,714	\$ 16,975	\$ 16,975	\$ 16,975	\$ 16,975	\$ 16,975	\$ 16,975
Off-System Peaking							\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646
Total Demand Costs							\$ 1,510,232	\$ 1,429,493	\$ 1,429,493	\$ 1,429,493	\$ 1,429,493	\$ 1,429,493	\$ 1,429,493
Asset Management and Capacity Release													
NUI AMA Revenue							\$ (1,743,852)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)
NUI Capacity Release							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NUI AMA Rev & Cap. Release Subtotal							\$ (717,957)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)
NH AMA Revenue							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NH Capacity Release							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NH Total Asset Management and Capacity Release							\$ (717,957)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)
Outage Replacement							\$ 7,067	\$ 328	\$ 328	\$ 328	\$ 328	\$ 328	\$ 328
Re-entry Rate & Conversion Rate Revenue							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Off-system sales							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Demand Costs		\$ 1,288,367	\$ 1,269,577	\$ 1,298,726	\$ 1,325,570	\$ 1,255,207	\$ 799,342	\$ 1,089,556	\$ 1,089,556	\$ 1,089,556	\$ 1,089,556	\$ 1,089,556	\$ 1,089,556
NUI Commodity Costs													
NUI Total Pipeline Volumes							1,103,596	623,919	427,539	395,807	401,078	426,093	718,859
Pipeline Costs Modeled in Sendout™							\$ 4,220,796	\$ 2,197,031	\$ 1,475,856	\$ 1,373,084	\$ 1,382,979	\$ 1,410,783	\$ 2,512,274
NYMEX Price Used for Forecast							\$ 3.9390	\$ 3.8100	\$ 3.8390	\$ 3.8710	\$ 3.8790	\$ 3.8630	\$ 3.8900
NYMEX Price Used for Update							\$ 5.1870	\$ 6.9570	\$ 7.0960	\$ 7.1890	\$ 7.1860	\$ 7.1430	\$ 7.1550
Increase/(Decrease) NYMEX Price							\$ 1.25	\$ 3.15	\$ 3.26	\$ 3.32	\$ 3.31	\$ 3.28	\$ 3.27
Percentage of purchases tied to NYMEX							100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Increase/(Decrease) in Pipeline Costs							\$ 1,377,288	\$ 1,963,473	\$ 1,392,495	\$ 1,313,288	\$ 1,326,365	\$ 1,397,585	\$ 2,347,075
Total Updated Pipeline Costs							\$ 5,598,084	\$ 4,160,504	\$ 2,868,351	\$ 2,686,371	\$ 2,709,344	\$ 2,808,368	\$ 4,859,349
New Hampshire Allocated Percentage							31.67%	30.87%	29.65%	27.35%	27.40%	28.59%	33.29%
NH Updated Pipeline Costs							\$ 1,772,670	\$ 1,284,333	\$ 850,579	\$ 734,841	\$ 742,478	\$ 802,953	\$ 1,617,781
NH Peaking Volumes													
NH Peaking Costs Modeled in Sendout							\$ 1,794	\$ 1,860	\$ 1,800	\$ 1,860	\$ 1,860	\$ 1,800	\$ 1,860
Percentage of purchases tied to NYMEX							10,221	10,555	11,094	11,464	11,464	13,455	14,402
Change in NYMEX Price							3.18%	3.18%	3.18%	3.18%	3.18%	3.18%	3.18%
Increase/(Decrease) in Peaking Costs							\$ 1.25	\$ 3.15	\$ 3.26	\$ 3.32	\$ 3.31	\$ 3.28	\$ 3.27
Total Update Peaking Costs							\$ 71	\$ 186	\$ 187	\$ 197	\$ 196	\$ 188	\$ 193
New Hampshire Allocated Percentage							10.292	10.742	11.280	11.660	11.659	13.643	14.595
NH Updated Peaking Costs							\$ 3,259	\$ 3,316	\$ 3,345	\$ 3,190	\$ 3,195	\$ 3,901	\$ 4,859
NH Commodity Costs													
Pipeline							\$ 1,772,670	\$ 1,284,333	\$ 850,579	\$ 734,841	\$ 742,478	\$ 802,953	\$ 1,617,781
Storage							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking							\$ 3,259	\$ 3,316	\$ 3,345	\$ 3,190	\$ 3,195	\$ 3,901	\$ 4,859
Total Commodity Costs		\$ 1,888,692	\$ 3,522,039	\$ 5,641,895	\$ 4,036,029	\$ 2,592,281	\$ 1,775,929	\$ 1,287,649	\$ 853,924	\$ 738,031	\$ 745,673	\$ 806,854	\$ 1,622,640
Inventory Finance Charge							\$ 114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Anticipated Direct Cost of Gas		\$ 2,977,059	\$ 4,791,616	\$ 6,940,621	\$ 5,361,599	\$ 3,847,488	\$ 2,575,385	\$ 2,377,205	\$ 1,943,480	\$ 1,827,587	\$ 1,835,230	\$ 1,896,410	\$ 2,712,196

Northern Utilities
NEW HAMPSHIRE (Over) / Undercollection Anal

Sales Revenues		Winter	Summer	Prior Period	Total
1	Volumes				
2	Residential Heat & Non Heat				
3	Sales HLF Classes				
4	Sales LLF Classes				
5	Total				
6	Rates				
7	Residential Heat & Non Heat CGA				
8	Sales HLF Classes CGA				
9	Sales LLF Classes CGA				
10	Revenues				
11	Residential Heat & Non Heat				
12	Sales HLF Classes				
13	Sales LLF Classes				
14	Total Sales	\$ (32,447,904)	\$ (4,610,285)		\$ (37,058,189)
15					
16					
17	Gas Costs and Credits				Total
18					
19	Demand Costs (net of Capacity Assignment)				
20	Pipeline				
21	Storage				
22	On-system Peaking				
23	Off-System Peaking				
24	Total Demand Costs				
25					
26	Asset Management and Capacity Release				
27	NUI AMA Revenue				
28	NUI Capacity Release				
29	NUI AMA Rev & Cap. Release Subtotal				
30	NH AMA Revenue				
31	NH Capacity Release				
32	NH Total Asset Management and Capacity Release				
33					
34	Outage Replacement				
35					
36	Re-entry Rate & Conversion Rate Revenue				\$ -
37	Off-system sales				-
38	Net Demand Costs	\$ 7,236,789	\$ 6,537,339		\$ 13,774,128
39					
40	NUI Commodity Costs				
41	NUI Total Pipeline Volumes				
42	Pipeline Costs Modeled in Sendout™				
43	NYMEX Price Used for Forecast				
44	NYMEX Price Used for Update				
45	Increase/(Decrease) NYMEX Price				
46	Percentage of purchases tied to NYMEX				
47	Increase/(Decrease) in Pipeline Costs				
48	Total Updated Pipeline Costs				
49	New Hampshire Allocated Percentage				
50	NH Updated Pipeline Costs				
51					
52	NH Peaking Volumes				
53	NH Peaking Costs Modeled in Sendout				
54	Percentage of purchases tied to NYMEX				
55	Change in NYMEX Price				
56	Increase/(Decrease) in Peaking Costs				
57	Total Update Peaking Costs				
58	New Hampshire Allocated Percentage				
59	NH Updated Peaking Costs				
60					
61	NH Commodity Costs				
62	Pipeline				
63	Storage				
64	Peaking				
65	Total Commodity Costs	\$ 19,256,864	\$ 6,054,770		\$ 25,311,635
66	Inventory Finance Charge	\$ 114	\$ -		\$ 114
67					
68	Total Anticipated Direct Cost of Gas	\$ 26,493,768	\$ 12,592,109		\$ 39,085,877

Northern Utilities
NEW HAMPSHIRE (Over) / Undercollection Analysis, Balances and Interest Calculation

	Oct-21	Winter						Summer					
		(Actual) Nov-21	(Actual) Dec-21	(Actual) Jan-22	(Actual) Feb-22	(Actual) Mar-22	(Forecast) Apr-22	(Forecast) May-22	(Forecast) Jun-22	(Forecast) Jul-22	(Forecast) Aug-22	(Forecast) Sep-22	(Forecast) Oct-22
Working Capital													
Total Anticipated Direct Cost of Gas		\$ 3,133,678	\$ 4,948,234	\$ 7,097,240	\$ 5,518,217	\$ 4,004,107	\$ 2,732,004	\$ 2,396,680	\$ 1,962,955	\$ 1,847,062	\$ 1,854,704	\$ 1,915,885	\$ 2,731,671
Working Capital Percentage		0.0892%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%
Working Capital Allowance		\$ 2,795	\$ 4,414	\$ 6,331	\$ 4,922	\$ 3,572	\$ 2,437	\$ 2,138	\$ 1,751	\$ 1,648	\$ 1,654	\$ 1,709	\$ 2,437
Beginning Period Working Capital Balance		\$ (1,398)	\$ 1,398	\$ 5,821	\$ 12,176	\$ 17,138	\$ 20,761	\$ 23,258	\$ 25,461	\$ 27,284	\$ 29,007	\$ 30,743	\$ 32,537
End of Period Working Capital Allowance		\$ 1,398	\$ 5,812	\$ 12,152	\$ 17,099	\$ 20,710	\$ 23,198	\$ 25,396	\$ 27,212	\$ 28,931	\$ 30,662	\$ 32,452	\$ 34,974
Interest		\$ 0	\$ 10	\$ 24	\$ 40	\$ 51	\$ 60	\$ 66	\$ 71	\$ 76	\$ 81	\$ 86	\$ 91
End of period with Interest	\$ (1,398)	\$ 1,398	\$ 5,821	\$ 12,176	\$ 17,138	\$ 20,761	\$ 23,258	\$ 25,461	\$ 27,284	\$ 29,007	\$ 30,743	\$ 32,537	\$ 35,065
Bad Debt													
Projected Bad Debt	\$ -	\$ 8,836	\$ 14,798	\$ (10,232)	\$ 4,559	\$ 10,087	\$ 7,592	\$ 15,185	\$ 15,185	\$ 22,777	\$ 15,185	\$ 22,777	\$ 15,185
Beginning Period Bad Debt Balance		\$ (44,260)	\$ (35,532)	\$ (20,810)	\$ (31,113)	\$ (26,632)	\$ (16,604)	\$ (9,046)	\$ 6,135	\$ 44,223	\$ 59,548	\$ 82,518	\$ 82,518
End of Period Bad Debt Balance		\$ (35,424)	\$ (20,734)	\$ (31,042)	\$ (26,554)	\$ (16,545)	\$ (9,011)	\$ 6,139	\$ 21,320	\$ 44,134	\$ 59,408	\$ 82,326	\$ 97,703
Interest		\$ (108)	\$ (76)	\$ (70)	\$ (58)	\$ (35)	\$ (4)	\$ 37	\$ 89	\$ 140	\$ 192	\$ 244	\$ 244
End of Period Bad Debt Balance with Interest	\$ (44,260)	\$ (35,532)	\$ (20,810)	\$ (31,113)	\$ (26,632)	\$ (16,604)	\$ (9,046)	\$ 6,135	\$ 21,357	\$ 44,223	\$ 59,548	\$ 82,518	\$ 97,947
Local Production and Storage Capacity		\$ 79,351	\$ 79,351	\$ 79,351	\$ 79,351	\$ 79,351	\$ 79,351	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Miscellaneous Overhead		\$ 77,268	\$ 77,268	\$ 77,268	\$ 77,268	\$ 77,268	\$ 77,268	\$ 19,475	\$ 19,475	\$ 19,475	\$ 19,475	\$ 19,475	\$ 19,475
Gas Cost Other than Bad Debt and Working Capital Over/Under Collection													
Beginning Balance Over/Under Collection	\$ 255,642	\$ 255,642	\$ (436,716)	\$ (1,004,488)	\$ (1,234,293)	\$ (2,457,107)	\$ (3,865,496)	\$ (4,789,249)	\$ (3,391,499)	\$ (2,086,515)	\$ (798,854)	\$ 491,597	\$ 1,785,415
Net Costs - Revenues		\$ (692,113)	\$ (565,823)	\$ (226,777)	\$ (1,217,823)	\$ (1,399,839)	\$ (912,049)	\$ 1,408,813	\$ 1,312,392	\$ 1,291,563	\$ 1,290,867	\$ 1,290,738	\$ 1,504,299
Ending Balance before Interest		\$ (436,471)	\$ (1,002,539)	\$ (1,231,265)	\$ (2,452,115)	\$ (3,856,946)	\$ (4,777,545)	\$ (3,380,436)	\$ (2,079,107)	\$ (794,952)	\$ 492,013	\$ 1,782,335	\$ 3,289,714
Average Balance		\$ (90,414)	\$ (719,627)	\$ (1,117,876)	\$ (1,843,204)	\$ (3,157,027)	\$ (4,321,521)	\$ (4,084,843)	\$ (2,735,303)	\$ (1,440,733)	\$ (153,420)	\$ 1,136,966	\$ 2,537,564
Interest Rate		3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%
Interest Expense		\$ (245)	\$ (1,949)	\$ (3,028)	\$ (4,992)	\$ (8,550)	\$ (11,704)	\$ (11,063)	\$ (7,408)	\$ (3,902)	\$ (416)	\$ 3,079	\$ 6,873
Ending Balance Incl Interest Expense	\$ 255,642	\$ (436,716)	\$ (1,004,488)	\$ (1,234,293)	\$ (2,457,107)	\$ (3,865,496)	\$ (4,789,249)	\$ (3,391,499)	\$ (2,086,515)	\$ (798,854)	\$ 491,597	\$ 1,785,415	\$ 3,296,587
Total Over/Under Collection Ending Balance	\$ 209,985	\$ (470,850)	\$ (1,019,477)	\$ (1,253,229)	\$ (2,466,601)	\$ (3,861,339)	\$ (4,775,038)	\$ (3,359,903)	\$ (2,037,874)	\$ (725,623)	\$ 581,888	\$ 1,900,470	\$ 3,429,599
Total Indirect Cost of Gas	\$ 209,985	\$ 167,897	\$ 173,815	\$ 149,644	\$ 161,069	\$ 161,720	\$ 154,969	\$ 25,796	\$ 29,111	\$ 40,163	\$ 36,120	\$ 47,318	\$ 44,304
Total Cost of Gas	\$ 209,985	\$ 3,144,957	\$ 4,965,430	\$ 7,090,265	\$ 5,522,668	\$ 4,009,208	\$ 2,730,354	\$ 2,403,002	\$ 1,972,591	\$ 1,867,750	\$ 1,871,349	\$ 1,943,729	\$ 2,756,500
Total Interest	\$ -	\$ (353)	\$ (2,015)	\$ (3,073)	\$ (5,030)	\$ (8,557)	\$ (11,679)	\$ (11,001)	\$ (7,300)	\$ (3,737)	\$ (194)	\$ 3,357	\$ 7,208

April 30th Target Balance	\$ (5,202,006)
April 30th Projected Balance	\$ (4,775,038)
Variance	\$ 426,968

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Northern Utilities
NEW HAMPSHIRE (Over) / Undercollection Anal

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	Winter	Summer	Prior Period	Total
Working Capital				
Total Anticipated Direct Cost of Gas				\$ 40,142,438
Working Capital Percentage				
Working Capital Allowance	\$ 24,471	\$ 11,336	\$ (1,398)	\$ 34,410
Beginning Period Working Capital Balance				
End of Period Working Capital Allowance				
Interest	\$ 185	\$ 471		\$ 656
End of period with Interest				
Bad Debt				
Projected Bad Debt	\$ 35,639	\$ 106,295	\$ (44,260)	\$ 97,674
Beginning Period Bad Debt Balance				
End of Period Bad Debt Balance				
Interest	\$ (426)	\$ 698		\$ 273
End of Period Bad Debt Balance with Interest				
Local Production and Storage Capacity	\$ 476,106	\$ -		\$ 476,106
				\$ -
Miscellaneous Overhead	\$ 463,606	\$ 116,849		\$ 580,455
Gas Cost Other than Bad Debt and Working Capital Over/L				
Beginning Balance Over/Under Collection				\$ (17,531,563)
Net Costs - Revenues				\$ 3,084,249
Ending Balance before Interest				\$ (14,447,314)
Average Balance				\$ (15,989,438)
Interest Rate				
Interest Expense				\$ (43,305)
Ending Balance Incl Interest Expense			\$ 255,642	
Total Over/Under Collection Ending Balance				
Total Indirect Cost of Gas	\$ 969,114	\$ 222,813	\$ 209,985	\$ 1,401,911
Total Cost of Gas	\$ 27,462,881	\$ 12,814,921	\$ 209,985	\$ 40,487,787
Total Interest	\$ (30,709)	\$ (11,667)		\$ (42,376)

Updated Beginning Summer Period Balance ("Target Balance")
 (\$5,202,006)
 Line 98 - April

Northern Utilities
 NEW HAMPSHIRE (Over) / Undercollection Analysis, Balances and Interest Calculation

	Oct-21	Winter						Summer					
		(Forecast) Nov-21	(Forecast) Dec-21	(Forecast) Jan-22	(Forecast) Feb-22	(Forecast) Mar-22	(Forecast) Apr-22	(Forecast) May-22	(Forecast) Jun-22	(Forecast) Jul-22	(Forecast) Aug-22	(Forecast) Sep-22	(Forecast) Oct-22
Sales Revenues													
Volumes													
Residential Heat & Non Heat		2,235,193	3,205,961	3,752,145	3,220,112	2,745,230	1,615,855	791,744	517,185	437,049	443,237	491,840	992,084
Sales HLF Classes		368,357	503,160	586,466	509,647	444,531	280,756	418,861	285,038	250,296	254,950	275,778	512,036
Sales LLF Classes		2,109,633	3,011,324	3,541,686	3,044,843	2,604,500	1,559,929	697,006	455,024	386,854	392,235	440,500	865,314
Total		4,713,183	6,720,446	7,880,297	6,774,602	5,794,261	3,456,540	1,907,611	1,257,246	1,074,199	1,090,422	1,208,118	2,369,434
Rates													
Residential Heat & Non Heat CGA		\$0.9392	\$0.9392	\$0.9392	\$0.9392	\$0.9392	\$0.9392	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176
Sales HLF Classes CGA		\$0.8453	\$0.8453	\$0.8453	\$0.8453	\$0.8453	\$0.8453	\$0.4740	\$0.4740	\$0.4740	\$0.4740	\$0.4740	\$0.4740
Sales LLF Classes CGA		\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.5445	\$0.5445	\$0.5445	\$0.5445	\$0.5445	\$0.5445
Revenues													
Residential Heat & Non Heat		\$ (2,099,293)	\$ (3,011,039)	\$ (3,524,015)	\$ (3,024,329)	\$ (2,578,320)	\$ (1,517,611)	\$ (409,807)	\$ (267,695)	\$ (226,216)	\$ (229,419)	\$ (254,576)	\$ (513,503)
Sales HLF Classes		\$ (311,373)	\$ (425,321)	\$ (495,740)	\$ (430,805)	\$ (375,762)	\$ (237,323)	\$ (198,540)	\$ (135,108)	\$ (118,640)	\$ (120,846)	\$ (130,719)	\$ (242,705)
Sales LLF Classes		\$ (2,014,910)	\$ (2,876,116)	\$ (3,382,664)	\$ (2,908,129)	\$ (2,487,558)	\$ (1,489,888)	\$ (379,520)	\$ (247,760)	\$ (210,642)	\$ (213,572)	\$ (239,852)	\$ (471,164)
Total Sales		\$ (4,425,576)	\$ (6,312,476)	\$ (7,402,419)	\$ (6,363,263)	\$ (5,441,640)	\$ (3,244,823)	\$ (987,867)	\$ (650,563)	\$ (555,499)	\$ (563,838)	\$ (625,147)	\$ (1,227,371)
Gas Costs and Credits													
Demand Costs (net of Capacity Assignment)													
Pipeline		\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451
Storage		\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421
On-system Peaking		\$ 208,007	\$ 208,007	\$ 208,007	\$ 208,007	\$ 208,007	\$ 208,007	\$ 97,714	\$ 16,975	\$ 16,975	\$ 16,975	\$ 16,975	\$ 16,975
Off-System Peaking		\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646
Total Demand Costs		\$ 1,620,524	\$ 1,620,524	\$ 1,620,524	\$ 1,620,524	\$ 1,620,524	\$ 1,510,232	\$ 1,429,493	\$ 1,429,493	\$ 1,429,493	\$ 1,429,493	\$ 1,429,493	\$ 1,429,493
Asset Management and Capacity Release													
NUI AMA Revenue		\$ (810,930)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)
NUI Capacity Release		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NUI AMA Rev & Cap. Release Subtotal		\$ (810,930)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)
NH AMA Revenue		\$ (333,866)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)
NH Capacity Release		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NH Total Asset Management and Capacity Release		\$ (333,866)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)
Outage Replacement Cost		\$ 7,067	\$ 7,067	\$ 7,067	\$ 7,067	\$ 7,067	\$ 7,067	\$ 328	\$ 328	\$ 328	\$ 328	\$ 328	\$ 328
Re-entry Rate & Conversion Rate Revenue		\$ (833.33)	\$ (833.33)	\$ (833.33)	\$ (833.33)	\$ (833.33)	\$ (833.33)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Demand Costs		\$ 1,292,892	\$ 1,286,494	\$ 1,286,494	\$ 1,286,494	\$ 1,286,494	\$ 1,176,202	\$ 1,089,556	\$ 1,089,556	\$ 1,089,556	\$ 1,089,556	\$ 1,089,556	\$ 1,089,556
NUI Commodity Costs													
NUI Total Pipeline Volumes		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
Pipeline Costs Modeled in Sendout™		\$ 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
NYMEX Price Used for Forecast		\$ 5.3050	\$ 5.3980	\$ 5.4650	\$ 5.3700	\$ 5.0130	\$ 3.9390	\$ 3.8100	\$ 3.8390	\$ 3.8710	\$ 3.8790	\$ 3.8630	\$ 3.8900
NYMEX Price Used for Update		\$ 5.3050	\$ 5.3980	\$ 5.4650	\$ 5.3700	\$ 5.0130	\$ 3.9390	\$ 3.8100	\$ 3.8390	\$ 3.8710	\$ 3.8790	\$ 3.8630	\$ 3.8900
Increase/(Decrease) NYMEX Price		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Increase/(Decrease) in Pipeline Costs		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Percentage of purchases tied to NYMEX		61%	40%	36%	36%	61%	100%	100%	100%	100%	100%	100%	100%
Updated Pipeline Costs		\$ 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
New Hampshire Allocated Percentage		36.21%	36.93%	36.99%	36.38%	34.75%	31.67%	30.87%	29.65%	27.35%	27.40%	28.59%	33.29%
NH Updated Pipeline Costs		\$ 1,900,723	\$ 2,118,268	\$ 2,242,311	\$ 1,984,934	\$ 1,889,389	\$ 1,336,543	\$ 678,216	\$ 437,649	\$ 375,599	\$ 378,996	\$ 403,363	\$ 836,389
NH Peaking Volumes		1,794	132,447	416,567	168,774	66,406	1,794	1,860	1,800	1,860	1,860	1,800	1,860
NH Peaking Costs Modeled in Sendout		\$ 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
Percentage of purchases tied to NYMEX		100.00%	11.49%	57.41%	7.47%	3.18%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Change in NYMEX Price		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Increase/(Decrease) in Peaking Costs		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Update Peaking Costs		\$ 9,526	\$ 2,091,388	\$ 4,553,220	\$ 2,865,280	\$ 1,286,222	\$ 10,220.95	\$ 10,555	\$ 11,094	\$ 11,464	\$ 11,464	\$ 13,455	\$ 14,402
New Hampshire Allocated Percentage		36.21%	36.93%	36.99%	36.38%	34.75%	31.67%	30.87%	29.65%	27.35%	27.40%	28.59%	33.29%
NH Updated Peaking Costs		\$ 3,450	\$ 772,446	\$ 1,684,032	\$ 1,042,411	\$ 447,024	\$ 3,237	\$ 3,258	\$ 3,290	\$ 3,136	\$ 3,142	\$ 3,847	\$ 4,795
NH Commodity Costs													
Pipeline		\$ 1,900,723	\$ 2,118,268	\$ 2,242,311	\$ 1,984,934	\$ 1,889,389	\$ 1,336,543	\$ 678,216	\$ 437,649	\$ 375,599	\$ 378,996	\$ 403,363	\$ 836,389
Storage		\$ 378,185	\$ 836,645	\$ 933,716	\$ 983,140	\$ 649,063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking		\$ 3,450	\$ 772,446	\$ 1,684,032	\$ 1,042,411	\$ 447,024	\$ 3,237	\$ 3,258	\$ 3,290	\$ 3,136	\$ 3,142	\$ 3,847	\$ 4,795
Total Commodity Costs		\$ 2,282,359	\$ 3,727,358	\$ 4,860,059	\$ 4,010,484	\$ 2,985,476	\$ 1,339,779	\$ 681,474	\$ 440,939	\$ 378,735	\$ 382,138	\$ 407,210	\$ 841,184
Inventory Finance Charge		\$ 174	\$ 268	\$ 323	\$ 275	\$ 224	\$ 114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Anticipated Direct Cost of Gas		\$ 3,575,425	\$ 5,014,120	\$ 6,148,876	\$ 5,297,254	\$ 4,272,194	\$ 2,516,095	\$ 1,771,030	\$ 1,530,495	\$ 1,468,291	\$ 1,471,694	\$ 1,496,767	\$ 1,930,741

**Northern Utilities
 NEW HAMPSHIRE (Over) / Undercollector**

Sales Revenues				
Volumes	Winter	Summer	Prior Period	Total
Residential Heat & Non Heat				20,447,634
Sales HLF Classes				4,689,876
Sales LLF Classes				19,108,849
Total	35,339,329	8,907,030		44,246,359
Rates				
Residential Heat & Non Heat CGA				
Sales HLF Classes CGA				
Sales LLF Classes CGA				
Revenues				
Residential Heat & Non Heat				\$ (17,655,823)
Sales HLF Classes				\$ (3,222,882)
Sales LLF Classes				\$ (16,921,776)
Total Sales	\$ (33,190,196)	\$ (4,610,285)		\$ (37,800,481)
Gas Costs and Credits				
	Winter	Summer	Prior Period	Total
Demand Costs (net of Capacity Assignment)				
Pipeline	\$ 2,732,703	\$ 2,732,703		\$ 5,465,407
Storage	\$ 3,866,525	\$ 3,866,525		\$ 7,733,050
On-system Peaking	\$ 1,137,749	\$ 101,852		\$ 1,239,601
Off-System Peaking	\$ 1,875,877	\$ 1,875,877		\$ 3,751,755
Total Demand Costs	\$ 9,612,854	\$ 8,576,958		\$ 18,189,812
Asset Management and Capacity Release				
NUI AMA Revenue				\$ (9,902,100)
NUI Capacity Release				\$ -
NUI AMA Rev & Cap. Release Subtotal				\$ -
NH AMA Revenue				\$ (4,076,771)
NH Capacity Release				\$ -
NH Total Asset Management and Capacity Release	\$ (2,035,186)	\$ (2,041,584)		\$ (4,076,771)
Outage Replacement Cost	\$ 42,402	\$ 1,965		
Re-entry Rate & Conversion Rate Revenue	\$ (5,000)	\$ -		\$ (5,000)
Net Demand Costs	\$ 7,615,070	\$ 6,537,339		\$ 14,152,408
NUI Commodity Costs				
NUI Total Pipeline Volumes				8,854,520
Pipeline Costs Modeled in Sendout™				\$ 42,511,526
NYMEX Price Used for Forecast				
NYMEX Price Used for Update				
Increase/(Decrease) NYMEX Price				
Increase/(Decrease) in Pipeline Costs				
Percentage of purchases tied to NYMEX				
Updated Pipeline Costs				
New Hampshire Allocated Percentage				
NH Updated Pipeline Costs	\$ 11,472,168	\$ 3,110,213		\$ 14,582,381
NH Peaking Volumes				
NH Peaking Costs Modeled in Sendout				
Percentage of purchases tied to NYMEX				
Change in NYMEX Price				
Increase/(Decrease) in Peaking Costs				
Total Update Peaking Costs				
New Hampshire Allocated Percentage				
NH Updated Peaking Costs	\$ 3,952,599	\$ 21,467		
NH Commodity Costs				
Pipeline	\$ 11,472,168	\$ 3,110,213		\$ 14,582,381
Storage	\$ 3,780,749	\$ -		\$ 3,780,749
Peaking	\$ 3,952,599	\$ 21,467		\$ 3,974,066
Total Commodity Costs	\$ 19,205,516	\$ 3,131,680		\$ 22,337,197
Inventory Finance Charge				\$ 1,378
Total Anticipated Direct Cost of Gas	\$ 26,821,965	\$ 9,669,019		\$ 36,490,984

Updated Beginning Summer Period Balance ("Target Balance")
 (\$5,202,006)
 Line 98 - April

Northern Utilities
 NEW HAMPSHIRE (Over) / Undercollection Analysis, Balances and Interest Calculation

		Winter						Summer					
	Oct-21	(Forecast) Nov-21	(Forecast) Dec-21	(Forecast) Jan-22	(Forecast) Feb-22	(Forecast) Mar-22	(Forecast) Apr-22	(Forecast) May-22	(Forecast) Jun-22	(Forecast) Jul-22	(Forecast) Aug-22	(Forecast) Sep-22	(Forecast) Oct-22
Working Capital													
Total Anticipated Direct Cost of Gas		\$ 3,575,425	\$ 5,014,120	\$ 6,146,876	\$ 5,297,254	\$ 4,272,194	\$ 2,516,095	\$ 1,771,030	\$ 1,530,495	\$ 1,468,291	\$ 1,471,694	\$ 1,496,767	\$ 1,930,741
Working Capital Percentage		0.0892%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%
Working Capital Allowance		\$ 3,190	\$ 4,474	\$ 5,484	\$ 4,726	\$ 3,812	\$ 2,245	\$ 1,580	\$ 1,365	\$ 1,310	\$ 1,313	\$ 1,335	\$ 1,723
Beginning Period Working Capital Balance		\$ (1,398)	\$ 1,793	\$ 6,277	\$ 11,786	\$ 16,551	\$ 20,412	\$ 22,715	\$ 24,359	\$ 25,792	\$ 27,174	\$ 28,562	\$ 29,977
End of Period Working Capital Allowance		\$ 1,792	\$ 6,267	\$ 11,762	\$ 16,512	\$ 20,362	\$ 22,657	\$ 24,295	\$ 25,725	\$ 27,102	\$ 28,487	\$ 29,898	\$ 31,700
Interest		\$ 1	\$ 11	\$ 24	\$ 38	\$ 50	\$ 58	\$ 64	\$ 68	\$ 72	\$ 75	\$ 79	\$ 84
End of period with Interest	\$ (1,398)	\$ 1,793	\$ 6,277	\$ 11,786	\$ 16,551	\$ 20,412	\$ 22,715	\$ 24,359	\$ 25,792	\$ 27,174	\$ 28,562	\$ 29,977	\$ 31,783
Bad Debt													
Projected Bad Debt	\$ -	\$ 15,185	\$ 7,592	\$ 3,796	\$ 3,796	\$ 7,592	\$ 7,592	\$ 15,185	\$ 15,185	\$ 22,777	\$ 15,185	\$ 22,777	\$ 15,185
Beginning Period Bad Debt Balance	\$ (44,260)	\$ (29,174)	\$ (21,651)	\$ (17,908)	\$ (14,155)	\$ (6,591)	\$ 994	\$ 16,203	\$ 31,452	\$ 54,345	\$ 69,698	\$ 92,476	\$ 107,880
End of Period Bad Debt Balance	\$ (29,075)	\$ (21,582)	\$ (17,854)	\$ (14,112)	\$ (6,563)	\$ 1,002	\$ 16,179	\$ 31,388	\$ 54,229	\$ 69,530	\$ 92,476	\$ 107,880	\$ 123,065
Interest		\$ (99)	\$ (69)	\$ (53)	\$ (43)	\$ (28)	\$ (8)	\$ 23	\$ 64	\$ 116	\$ 168	\$ 220	\$ 272
End of Period Bad Debt Balance with Interest	\$ (44,260)	\$ (29,174)	\$ (21,651)	\$ (17,908)	\$ (14,155)	\$ (6,591)	\$ 994	\$ 16,203	\$ 31,452	\$ 54,345	\$ 69,698	\$ 92,695	\$ 108,152
Local Production and Storage Capacity		\$ 79,351	\$ 79,351	\$ 79,351	\$ 79,351	\$ 79,351	\$ 79,351	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Miscellaneous Overhead		\$ 77,268	\$ 77,268	\$ 77,268	\$ 77,268	\$ 77,268	\$ 77,268	\$ 19,475	\$ 19,475	\$ 19,475	\$ 19,475	\$ 19,475	\$ 19,475
Gas Cost Other than Bad Debt and Working Capital Over/Under Collection													
Beginning Balance Over/Under Collection	\$ 244,694	\$ (449,115)	\$ (1,593,614)	\$ (2,698,342)	\$ (3,616,273)	\$ (4,640,265)	\$ (5,225,716)	\$ (4,436,143)	\$ (3,547,532)	\$ (2,623,610)	\$ (1,702,129)	\$ (814,438)	\$ (24,814)
Net Costs - Revenues	\$ (693,532)	\$ (1,141,737)	\$ (1,098,924)	\$ (909,391)	\$ (1,012,827)	\$ (572,108)	\$ 802,639	\$ 899,407	\$ 932,267	\$ 927,331	\$ 891,094	\$ 722,844	\$ 472,844
Ending Balance before Interest	\$ (448,838)	\$ (1,590,852)	\$ (2,692,538)	\$ (3,607,733)	\$ (4,629,099)	\$ (5,212,374)	\$ (4,423,077)	\$ (3,536,736)	\$ (2,615,265)	\$ (1,696,279)	\$ (811,035)	\$ (91,594)	\$ (24,814)
Average Balance	\$ (102,072)	\$ (1,019,983)	\$ (2,143,076)	\$ (3,153,038)	\$ (4,122,686)	\$ (4,926,319)	\$ (4,824,396)	\$ (3,986,439)	\$ (3,081,399)	\$ (2,159,945)	\$ (1,256,582)	\$ (453,016)	\$ (24,814)
Interest Rate		3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%
Interest Expense		\$ (276)	\$ (2,762)	\$ (5,804)	\$ (8,539)	\$ (11,166)	\$ (13,342)	\$ (13,066)	\$ (10,797)	\$ (8,345)	\$ (5,850)	\$ (3,403)	\$ (1,227)
Ending Balance Incl Interest Expense	\$ 244,694	\$ (449,115)	\$ (1,593,614)	\$ (2,698,342)	\$ (3,616,273)	\$ (4,640,265)	\$ (5,225,716)	\$ (4,436,143)	\$ (3,547,532)	\$ (2,623,610)	\$ (1,702,129)	\$ (814,438)	\$ (92,821)
Total Over/Under Collection Ending Balance	\$ 199,037	\$ (476,496)	\$ (1,608,988)	\$ (2,704,464)	\$ (3,613,877)	\$ (4,626,444)	\$ (5,202,006)	\$ (4,395,581)	\$ (3,490,288)	\$ (2,542,091)	\$ (1,603,868)	\$ (691,766)	\$ 47,114
Total Indirect Cost of Gas	\$ 199,037	\$ 174,618	\$ 165,864	\$ 160,066	\$ 156,597	\$ 156,879	\$ 153,165	\$ 23,261	\$ 25,361	\$ 35,404	\$ 30,366	\$ 40,483	\$ 35,511
Total Cost of Gas	\$ 199,037	\$ 3,750,043	\$ 5,179,985	\$ 6,306,942	\$ 5,453,850	\$ 4,429,073	\$ 2,669,260	\$ 1,794,291	\$ 1,555,856	\$ 1,503,696	\$ 1,502,060	\$ 1,537,250	\$ 1,966,251
Total Interest	\$ -	\$ (375)	\$ (2,820)	\$ (5,833)	\$ (8,545)	\$ (11,144)	\$ (13,291)	\$ (12,979)	\$ (10,664)	\$ (8,158)	\$ (5,607)	\$ (3,104)	\$ (872)

**Northern Utilities
 NEW HAMPSHIRE (Over) / Undercollector**

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	Winter	Summer	Prior Period	Total
Working Capital				
Total Anticipated Direct Cost of Gas				\$ 36,490,984
Working Capital Percentage				
Working Capital Allowance	\$ 23,930	\$ 8,627	\$ (1,398)	\$ 31,159
Beginning Period Working Capital Balance				
End of Period Working Capital Allowance				
Interest	\$ 183	\$ 441		\$ 624
End of period with Interest				
Bad Debt				
Projected Bad Debt	\$ 45,555	\$ 106,295	\$ (44,260)	\$ 107,590
Beginning Period Bad Debt Balance				
End of Period Bad Debt Balance				
Interest	\$ (301)	\$ 863		\$ 562
End of Period Bad Debt Balance with Interest				
Local Production and Storage Capacity				\$ 476,106
				\$ -
Miscellaneous Overhead				\$ 580,455
Gas Cost Other than Bad Debt and Working Capital				
Beginning Balance Over/Under Collection				\$ (31,102,484)
Net Costs - Revenues				\$ (252,937)
Ending Balance before Interest				\$ (31,355,421)
Average Balance				\$ (31,228,953)
Interest Rate				
Interest Expense				\$ (84,578)
Ending Balance Incl Interest Expense			\$ 244,694	
Total Over/Under Collection Ending Balance				
Total Indirect Cost of Gas	\$ 967,189	\$ 190,386	\$ 199,037	\$ 1,356,612
Total Cost of Gas	\$ 27,789,154	\$ 9,859,405	\$ 199,037	\$ 37,847,595
Total Interest	\$ (42,008)	\$ (41,384)		\$ (83,393)