

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015-2016 WINTER PERIOD RECONCILIATION
SCHEDULE 1: SUMMARY OF WINTER PERIOD BALANCE
May 2015 - April 2016

	AMOUNT	
Winter Period Beg. Balance	(\$2,001,586)	SCHEDULE 2
Less: May 1, 2015 Adjustment	(\$74,775)	SCHEDULE 2
Less: Reported Collections	(\$17,603,599)	SCHEDULE 3
Add: Cost of Firm Gas Allowable	\$19,075,053	SCHEDULE 4
Add: Interest	\$6,275	SCHEDULE 2
Winter Period Ending Balance	(\$598,632)	

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015-2016 WINTER PERIOD RECONCILIATION
SCHEDULE 2: ADJUSTMENTS TO REPORTED WINTER PERIOD ACCOUNTS
May 2015 - April 2016
Acct 191.20

	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	Total
WINTER PERIOD													
Initial Winter Period Account Beginning Balance	\$ (2,001,586)												
Prior Period Adjustment (1)	\$ (74,775)												
Revised Winter Period Account Beginning Balance	\$ (2,076,361)	\$ (1,458,902)	\$ (1,009,528)	\$ (637,515)	\$ (324,574)	\$ 35,045	\$ 588,779	\$ 1,021,310	\$ 1,246,244	\$ 1,369,422	\$ 1,721,528	\$ 1,087,167	\$ (2,076,361)
Plus: Cost of Firm Gas (Schedule 4)	\$ 621,007	\$ 452,244	\$ 374,777	\$ 314,376	\$ 358,102	\$ 553,127	\$ 2,309,850	\$ 2,976,279	\$ 3,946,298	\$ 3,784,449	\$ 2,729,278	\$ 655,267	\$ 19,075,053
Less: Reported Collections (Schedule 3)	\$ 1,233	\$ 468	\$ (537)	\$ (134)	\$ 1,908	\$ (236)	\$ (1,879,497)	\$ (2,754,411)	\$ (3,826,657)	\$ (3,436,523)	\$ (3,367,437)	\$ (2,341,777)	\$ (17,603,599)
Winter Period Account Ending Balance	\$ (1,454,121)	\$ (1,006,190)	\$ (635,288)	\$ (323,273)	\$ 35,437	\$ 587,936	\$ 1,019,132	\$ 1,243,178	\$ 1,365,885	\$ 1,717,348	\$ 1,083,368	\$ (599,343)	\$ (604,907)
Month's Average Balance	\$ (1,765,241)	\$ (1,232,546)	\$ (822,408)	\$ (480,394)	\$ (144,569)	\$ 311,490	\$ 803,956	\$ 1,132,244	\$ 1,306,065	\$ 1,543,385	\$ 1,402,448	\$ 243,912	
Interest Rate (Prime Rate)	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.50%	
Interest Applied	\$ (4,781)	\$ (3,338)	\$ (2,227)	\$ (1,301)	\$ (392)	\$ 844	\$ 2,177	\$ 3,066	\$ 3,537	\$ 4,180	\$ 3,798	\$ 711	\$ 6,275
Winter Period Account Ending Balance w/int	\$ (1,458,902)	\$ (1,009,528)	\$ (637,515)	\$ (324,574)	\$ 35,045	\$ 588,779	\$ 1,021,310	\$ 1,246,244	\$ 1,369,422	\$ 1,721,528	\$ 1,087,167	\$ (598,632)	\$ (598,632)

(1) Prior period adjustment of (\$72,779) due reallocation between Maine and New Hampshire divisions of DTE transportation charge, June and July 2014 plus (\$1,996) of interest.

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015-2016 WINTER PERIOD RECONCILIATION
SCHEDULE 3: REVENUE BACKUP TO REPORTED COLLECTIONS
May 2015 - April 2016

FORM III
Schedule 3

	<u>May-15</u>	<u>Jun-15</u>	<u>Jul-15</u>	<u>Aug-15</u>	<u>Sep-15</u>	<u>Oct-15</u>	<u>Nov-15</u>	<u>Dec-15</u>	<u>Jan-16</u>	<u>Feb-16</u>	<u>Mar-16</u>	<u>Apr-16</u>	<u>Total</u>
Accrued Revenue	\$ (597,192)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,032,003	\$ 228,582	\$ 428,034	\$ (541,478)	\$ (67,175)	\$ (345,501)	\$ 137,274
Billed Revenue	\$ 595,959	\$ (468)	\$ 537	\$ 134	\$ (1,908)	\$ 236	\$ 847,494	\$ 2,525,828	\$ 3,398,622	\$ 3,978,001	\$ 3,434,611	\$ 2,687,278	\$ 17,466,325
Calendarized Revenue	<u>\$ (1,233)</u>	<u>\$ (468)</u>	<u>\$ 537</u>	<u>\$ 134</u>	<u>\$ (1,908)</u>	<u>\$ 236</u>	<u>\$ 1,879,497</u>	<u>\$ 2,754,411</u>	<u>\$ 3,826,657</u>	<u>\$ 3,436,523</u>	<u>\$ 3,367,437</u>	<u>\$ 2,341,777</u>	<u>\$ 17,603,599</u>

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015-2016 WINTER PERIOD RECONCILIATION
SCHEDULE 4: PURCHASED GAS COSTS ALLOCATED TO WINTER PERIOD
May 2015 - April 2016

Commodity Costs:	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	Total Winter
DTE	\$ 199,241	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 78,934	\$ 363,077	\$ 88,015	\$ 82,309	\$ 78,872	\$ 890,449
Emera	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190,736	\$ 207,314	\$ 593,134	\$ 535,781	\$ 162,339	\$ 1,689,303
Freepoint	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 543,084	\$ 579,063	\$ 623,691	\$ 586,660	\$ 569,037	\$ 2,901,534
Repsol	\$ 286,173	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 841,564	\$ 946,274	\$ 1,183,608	\$ 1,401,958	\$ 1,019,703	\$ 5,679,278
Sequent	\$ 27,746	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,627	\$ 33,684	\$ 46,256	\$ 38,298	\$ 19,918	\$ 189,530
Shell	\$ 100,257	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 82,194	\$ 95,080	\$ 111,531	\$ 96,862	\$ 69,123	\$ 555,047
Southwestern	\$ 47,349	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,897	\$ -	\$ -	\$ -	\$ -	\$ 65,246
Tenaska	\$ 54,939	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,842	\$ 57,231	\$ 65,846	\$ 53,428	\$ 43,014	\$ 327,300
Subtotal - Commodity Supply	\$ 715,705	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,830,878	\$ 2,281,723	\$ 2,712,079	\$ 2,795,296	\$ 1,962,007	\$ 12,297,687
Transportation Costs:													
Granite	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175	\$ 331	\$ 665	\$ 568	\$ 281	\$ 299	\$ 2,318
Portland	\$ 17	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,787	\$ 12,431	\$ 73,632	\$ 42,367	\$ 14	\$ 165,249
Tennessee	\$ 9,574	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,773	\$ 9,608	\$ 10,746	\$ 10,570	\$ 9,834	\$ 60,105
Subtotal - Commodity Transportation	\$ 9,592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175	\$ 46,890	\$ 22,704	\$ 84,947	\$ 53,218	\$ 10,147	\$ 227,672
Commodity Cost Estimates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,878,371	\$ 2,215,991	\$ 2,796,758	\$ 2,848,543	\$ 1,926,113	\$ 804,942	\$ 12,470,718
Commodity Cost Reversals	\$ (727,128)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,878,371)	\$ (2,215,991)	\$ (2,796,758)	\$ (2,848,543)	\$ (1,926,113)	\$ (12,392,904)
Subtotal - Supply	\$ (1,831)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,878,546	\$ 2,215,389	\$ 2,885,193	\$ 2,848,811	\$ 1,926,084	\$ 850,983	\$ 12,603,174
Withdrawal - Underground Storage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,978	\$ 198,853	\$ 962,799	\$ 614,787	\$ 172,294	\$ 130	\$ 2,001,841
ATV Reconciliation Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (9,955)	\$ (1,050)	\$ (12,886)	\$ (14,929)	\$ 493	\$ 14,167	\$ (24,160)
Off System Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (203,148)	\$ (42,576)	\$ (181,723)	\$ (10,367)	\$ -	\$ (437,813)
Net OBA Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (7,033)	\$ (3,519)	\$ (3,580)	\$ 800	\$ (6,553)	\$ (7,457)	\$ (27,343)
Company Managed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (57,727)	\$ (78,324)	\$ (403,795)	\$ (372,254)	\$ (77,943)	\$ (990,043)
LNG Withdrawal / Boiloff	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,384	\$ 15,661	\$ 32,781	\$ 5,514	\$ 9,343	\$ 29,179	\$ 100,863
Transportation Charges	\$ -	\$ -	\$ (72,237)	\$ (15)	\$ -	\$ -	\$ -	\$ 1,409	\$ 15,544	\$ 67,476	\$ 19,929	\$ 12,928	\$ 45,032
Hedging Costs	\$ 5,326	\$ 10,312	\$ 16,715	\$ 15,890	\$ 11,151	\$ (1)	\$ (1)	\$ (2)	\$ (2)	\$ (2)	\$ (2)	\$ (2)	\$ 59,382
Propane	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inventory Finance Charge	\$ 122	\$ 144	\$ 157	\$ 152	\$ 172	\$ 201	\$ 216	\$ 239	\$ 223	\$ 140	\$ 91	\$ 86	\$ 1,946
Prior Period Adjustments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal - Other Commodity	\$ 5,449	\$ 10,456	\$ (55,366)	\$ 16,028	\$ 11,323	\$ 200	\$ 44,589	\$ (49,284)	\$ 873,981	\$ 88,267	\$ (187,025)	\$ (28,911)	\$ 729,705
Off System Sales Estimates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (260,732)	\$ (120,900)	\$ (585,518)	\$ (382,621)	\$ (77,943)	\$ -	\$ (1,427,714)
Off System Sales Reversals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 260,732	\$ 120,900	\$ 585,518	\$ 382,621	\$ 77,943	\$ 1,427,714
Subtotal Estimates/Reversals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (260,732)	\$ 139,832	\$ (464,618)	\$ 202,897	\$ 304,678	\$ 77,943	\$ -
Total Commodity Costs	\$ 3,617	\$ 10,456	\$ (55,366)	\$ 16,028	\$ 11,323	\$ 200	\$ 1,662,403	\$ 2,305,936	\$ 3,294,556	\$ 3,139,976	\$ 2,043,736	\$ 900,014	\$ 13,332,879

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015-2016 WINTER PERIOD RECONCILIATION
SCHEDULE 4: PURCHASED GAS COSTS ALLOCATED TO WINTER PERIOD
May 2015 - April 2016

Demand Costs	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	Total Winter
Pipeline Reservation													
Alberta Northeast	\$ 7,141	\$ 7,217	\$ 9,405	\$ 8,143	\$ 6,698	\$ 6,555	\$ 6,982	\$ 5,727	\$ 6,481	\$ 5,853	\$ 5,461	\$ 5,834	\$ 81,497
Algonquin	\$ 16,178	\$ 16,193	\$ 16,193	\$ 16,193	\$ 16,193	\$ 16,193	\$ 15,312	\$ 14,407	\$ 14,409	\$ 14,409	\$ 14,372	\$ 14,384	\$ 184,436
DTE Energy	\$ 445,845	\$ 441,447	\$ 418,554	\$ 421,590	\$ 416,905	\$ 425,099	\$ 417,979	\$ 358,053	\$ 350,559	\$ 360,897	\$ 377,178	\$ 392,946	\$ 4,827,053
Emera	\$ 44,411	\$ 44,944	\$ 44,286	\$ 43,399	\$ 42,462	\$ 42,084	\$ 42,708	\$ 37,412	\$ 36,286	\$ 35,546	\$ 36,646	\$ 38,225	\$ 488,409
Granite State	\$ 184,164	\$ 184,164	\$ 184,164	\$ 195,776	\$ 195,776	\$ 195,776	\$ 200,347	\$ 200,347	\$ 200,347	\$ 200,347	\$ 200,347	\$ 200,347	\$ 2,341,900
Iroquois	\$ 20,658	\$ 20,658	\$ 20,658	\$ 20,658	\$ 20,658	\$ 20,658	\$ 20,658	\$ 18,383	\$ 18,383	\$ 18,383	\$ 18,383	\$ 18,383	\$ 236,525
Portland	\$ 13,625	\$ 13,625	\$ 13,625	\$ 13,625	\$ 13,625	\$ 13,625	\$ 13,625	\$ 703,237	\$ 703,237	\$ 703,237	\$ 703,237	\$ 703,237	\$ 3,611,563
Tennessee	\$ 181,026	\$ 181,026	\$ 181,026	\$ 129,654	\$ 181,026	\$ 181,026	\$ 181,026	\$ 156,055	\$ 134,356	\$ 156,055	\$ 156,055	\$ 156,055	\$ 1,974,384
Texas Eastern	\$ 5,163	\$ -	\$ 5,164	\$ -	\$ 2,573	\$ 5,147	\$ -	\$ 2,203	\$ 2,291	\$ 2,291	\$ 2,288	\$ 2,288	\$ 29,408
Union/ Repsol	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Vector	\$ 85,937	\$ 85,908	\$ 85,844	\$ 85,836	\$ 85,824	\$ 85,852	\$ 85,815	\$ 109,408	\$ 109,362	\$ 109,386	\$ 109,437	\$ 109,471	\$ 1,148,080
Total Pipeline Reservation	\$ 1,004,149	\$ 995,181	\$ 978,919	\$ 934,874	\$ 981,740	\$ 992,015	\$ 984,454	\$ 1,605,233	\$ 1,575,712	\$ 1,606,404	\$ 1,623,404	\$ 1,641,170	\$ 14,923,255
Product Demand													
Distrigas	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,420	\$ 42,420	\$ 42,420	\$ -	\$ -	\$ 127,260
Emera	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,360	\$ 34,360	\$ 34,360	\$ 34,360	\$ 34,360	\$ 171,801
Engie	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,420	\$ 42,420	\$ 84,840
Repsol	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 259,610	\$ 268,264	\$ 268,264	\$ 250,957	\$ 268,264	\$ 1,315,359
Shell	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,708	\$ 11,708	\$ 11,708	\$ 11,708	\$ 11,708	\$ 58,540
Total Product Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 348,099	\$ 356,752	\$ 356,752	\$ 339,445	\$ 356,752	\$ 1,757,800
Storage Pipeline Transportation and Demand Reservation													
Tennessee	\$ 5,723	\$ 5,723	\$ 5,723	\$ 4,099	\$ 5,723	\$ 5,723	\$ 5,723	\$ 4,944	\$ 4,256	\$ 4,944	\$ 4,944	\$ 4,944	\$ 62,471
Texas Eastern	\$ 80	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80
Wash 10	\$ 114,805	\$ 114,805	\$ 114,805	\$ 114,805	\$ 114,805	\$ 114,805	\$ 114,805	\$ 102,162	\$ 102,162	\$ 102,162	\$ 102,162	\$ 102,162	\$ 1,314,444
Company Managed	\$ (158,307)	\$ (93,465)	\$ (93,803)	\$ (94,796)	\$ (94,740)	\$ (96,234)	\$ (98,060)	\$ (126,202)	\$ (118,596)	\$ (115,161)	\$ (121,424)	\$ (124,344)	\$ (1,335,131)
Total Storage and Demand Reservation	\$ (37,698)	\$ 27,063	\$ 26,725	\$ 24,109	\$ 25,789	\$ 24,295	\$ 22,469	\$ (19,096)	\$ (12,178)	\$ (8,056)	\$ (14,319)	\$ (17,238)	\$ 41,865
Demand Cost Estimates	\$ 844,757	\$ 840,116	\$ 847,448	\$ 765,844	\$ 326,394	\$ 808,433	\$ 1,748,214	\$ 1,764,661	\$ 1,768,666	\$ 1,743,874	\$ 1,758,634	\$ 607,279	\$ 13,824,320
Demand Cost Reversals	\$ (612,556)	\$ (844,757)	\$ (840,116)	\$ (847,448)	\$ (765,844)	\$ (326,394)	\$ (808,433)	\$ (1,748,214)	\$ (1,764,661)	\$ (1,768,666)	\$ (1,743,874)	\$ (1,758,634)	\$ (13,829,597)
Subtotal	\$ 232,201	\$ (4,641)	\$ 7,332	\$ (81,604)	\$ (439,450)	\$ 482,039	\$ 939,781	\$ 16,447	\$ 4,005	\$ (24,792)	\$ 14,760	\$ (1,151,355)	\$ (5,277)
Total Direct Demand Costs	\$ 1,198,652	\$ 1,017,604	\$ 1,012,977	\$ 877,379	\$ 568,078	\$ 1,498,348	\$ 1,946,704	\$ 1,950,682	\$ 1,924,291	\$ 1,930,309	\$ 1,963,291	\$ 829,329	\$ 16,717,643
Indirect Demand Costs													
PNGTS Refund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,035,688)	\$ (1,028,052)	\$ (1,023,658)	\$ (1,041,018)	\$ (1,030,142)	\$ (813,394)	\$ (5,971,952)
Capacity Release	\$ (432,924)	\$ (428,532)	\$ (434,058)	\$ (430,778)	\$ (434,108)	\$ (436,876)	\$ (443,885)	\$ (389,586)	\$ (387,996)	\$ (388,236)	\$ (388,574)	\$ (384,859)	\$ (4,980,413)
Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,643	\$ 9,415	\$ 1,133	\$ 2,995	\$ 16,185
Other A&G Allowance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,800	\$ 65,800	\$ 65,800	\$ 65,800	\$ 65,800	\$ 65,800	\$ 394,798
Local Production and Storage Allowance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,110	\$ 70,110	\$ 70,110	\$ 70,110	\$ 70,110	\$ 70,110	\$ 420,658
Total Indirect Demand Costs	\$ (432,924)	\$ (428,532)	\$ (434,058)	\$ (430,778)	\$ (434,108)	\$ (436,876)	\$ (1,343,664)	\$ (1,281,729)	\$ (1,273,103)	\$ (1,283,929)	\$ (1,281,673)	\$ (1,059,349)	\$ (10,120,723)
Demand Cost Estimates - Capacity Release	\$ (418,581)	\$ (418,319)	\$ (419,549)	\$ (420,255)	\$ (59,900)	\$ (420,900)	\$ (376,493)	\$ (375,104)	\$ (374,551)	\$ (376,457)	\$ (372,533)	\$ (387,260)	\$ (4,419,902)
Demand Cost Reversals - Capacity Release	\$ 417,789	\$ 418,581	\$ 418,319	\$ 419,549	\$ 420,255	\$ 59,900	\$ 420,900	\$ 376,493	\$ 375,104	\$ 374,551	\$ 376,457	\$ 372,533	\$ 4,450,431
Subtotal	\$ (792)	\$ 262	\$ (1,230)	\$ (706)	\$ 360,355	\$ (361,000)	\$ 44,407	\$ 1,389	\$ 553	\$ (1,906)	\$ 3,924	\$ (14,727)	\$ 30,529
Total Demand Costs	\$ 764,936	\$ 589,334	\$ 577,688	\$ 445,895	\$ 494,325	\$ 700,473	\$ 647,447	\$ 670,342	\$ 651,742	\$ 644,473	\$ 685,541	\$ (244,747)	\$ 6,627,449
Demand Costs Transferred to Summer	\$ (147,546)	\$ (147,546)	\$ (147,546)	\$ (147,546)	\$ (147,546)	\$ (147,546)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (885,275)
Net Demand Costs For Winter Period	\$ 617,390	\$ 441,788	\$ 430,142	\$ 298,349	\$ 346,780	\$ 552,927	\$ 647,447	\$ 670,342	\$ 651,742	\$ 644,473	\$ 685,541	\$ (244,747)	\$ 5,742,174
Total Gas Costs	\$ 621,007	\$ 452,244	\$ 374,777	\$ 314,376	\$ 358,102	\$ 553,127	\$ 2,309,850	\$ 2,976,279	\$ 3,946,298	\$ 3,784,449	\$ 2,729,278	\$ 655,267	\$ 19,075,053

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
 COST OF GAS ADJUSTMENT - FORM III, Schedule 4 - UNITS
 May 2015 - April 2016

REDACTED

FORM III
 Schedule 4
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<u>Commodity Volumes:</u>	<u>May-15</u>	<u>Jun-15</u>	<u>Jul-15</u>	<u>Aug-15</u>	<u>Sep-15</u>	<u>Oct-15</u>	<u>Nov-15</u>	<u>Dec-15</u>	<u>Jan-16</u>	<u>Feb-16</u>	<u>Mar-16</u>	<u>Apr-16</u>	<u>Total Winter</u>
DTE													
Emera													
Freepoint													
Repsol													
Sequent													
Shell													
Southwestern													
Tenaska													
Subtotal - Commodity Supply													
<u>Transportation Volumes</u>													
Granite													
Portland													
Tennessee													
Subtotal - Commodity Transportation													
Commodity Volume Estimates													
Commodity Volume Reversals													
Subtotal - Supply													
Withdrawal - Underground Storage													
ATV Reconciliation													
Off System Sales													
Net OBA Adjustment													
Company Managed													
LNG Withdrawal / Boiloff													
Transportation Charges													
Hedging Costs													
Propane													
Inventory Finance Charge													
Prior Period Adjustment													
Subtotal - Other Commodity													
Off System & Company Managed Estimates													
Off System & Company Managed Reversals													
Total Commodity Volumes													

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
 COST OF GAS ADJUSTMENT - FORM III, Schedule 4 - IN COST PER UNIT
 May 2015 - April 2016

REDACTED

FORM III
 Schedule 4
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	<u>May-15</u>	<u>Jun-15</u>	<u>Jul-15</u>	<u>Aug-15</u>	<u>Sep-15</u>	<u>Oct-15</u>	<u>Nov-15</u>	<u>Dec-15</u>	<u>Jan-16</u>	<u>Feb-16</u>	<u>Mar-16</u>	<u>Apr-16</u>	<u>Total Winter</u>
Commodity Costs:													
DTE													
Emera													
Freeport													
Repsol													
Sequent													
Shell													
Southwestern													
Tenaska													
Subtotal - Commodity Supply													
Transportation Costs:													
Granite													
Portland													
Tennessee													
Subtotal - Commodity Transportation													
Commodity Cost Estimates													
Commodity Cost Reversals													
Subtotal - Supply													
Withdrawal - Underground Storage													
ATV Reconciliation Charges													
Off System Sales													
Net OBA Adjustment													
Company Managed													
LNG Withdrawal / Boiloff													
Transportation Charges													
Hedging Costs													
Propane													
Prior Period Adjustments													
Subtotal - Other Commodity													
Off System Sales Estimates													
Off System Sales Reversals													
Total Commodity Costs													

NORTHERN UTILITIES, INC. - MAINE DIVISION
COST OF GAS ADJUSTMENT - FORM III, Schedule 4 - IN DOLLARS
 May 2015 - April 2016

Commodity Costs:	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	Total Winter
DTE	\$ 282,484	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 127,484	\$ 573,897	\$ 126,498	\$ 113,479	\$ 117,441	\$ 1,341,282
Emera	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 308,051	\$ 327,689	\$ 852,476	\$ 738,674	\$ 242,093	\$ 2,468,983
Freeport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 877,116	\$ 915,292	\$ 896,394	\$ 808,820	\$ 848,773	\$ 4,346,396
Repsol	\$ 405,734	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,359,178	\$ 1,495,723	\$ 1,701,130	\$ 1,932,861	\$ 1,520,663	\$ 8,415,289
Sequent	\$ 39,338	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,159	\$ 53,243	\$ 66,481	\$ 52,800	\$ 29,704	\$ 279,726
Shell	\$ 142,143	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 132,749	\$ 150,288	\$ 160,297	\$ 133,543	\$ 103,082	\$ 822,101
Southwestern	\$ 67,131	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,904	\$ -	\$ -	\$ -	\$ -	\$ 96,035
Tenaska	\$ 77,893	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 85,343	\$ 90,462	\$ 94,636	\$ 73,660	\$ 64,146	\$ 486,140
Subtotal - Commodity Supply	\$ 1,014,723	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,956,983	\$ 3,606,594	\$ 3,897,912	\$ 3,853,838	\$ 2,925,902	\$ 18,255,952
Transportation Costs:													
Granite	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 282	\$ 523	\$ 955	\$ 784	\$ 419	\$ 476	\$ 3,439
Portland	\$ 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 59,413	\$ 19,650	\$ 105,827	\$ 58,411	\$ 21	\$ 243,346
Tennessee	\$ 13,574	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,785	\$ 15,186	\$ 15,445	\$ 14,572	\$ 14,665	\$ 89,228
Subtotal - Commodity Transportation	\$ 13,599	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 282	\$ 75,720	\$ 35,791	\$ 122,056	\$ 73,403	\$ 15,162	\$ 336,013
Commodity Cost Estimates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,033,687	\$ 3,502,695	\$ 4,019,615	\$ 3,927,250	\$ 2,872,375	\$ 1,281,481	\$ 18,637,103
Commodity Cost Reversals	\$ (1,030,919)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,033,687)	\$ (3,502,695)	\$ (4,019,615)	\$ (3,927,250)	\$ (2,872,375)	\$ (18,386,541)
Subtotal - Supply	\$ (2,597)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,033,969	\$ 3,501,711	\$ 4,159,305	\$ 3,927,603	\$ 2,872,365	\$ 1,350,170	\$ 18,842,526
Withdrawal - Underground Storage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 85,563	\$ 313,866	\$ 1,383,786	\$ 847,612	\$ 256,923	\$ 190	\$ 2,887,940
ATV Reconciliation Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (16,077)	\$ (1,660)	\$ (18,520)	\$ (20,583)	\$ 736	\$ 22,554	\$ (33,550)
Off System Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (328,097)	\$ (67,297)	\$ (261,179)	\$ (14,293)	\$ -	\$ (670,866)
Net OBA Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (11,359)	\$ (5,562)	\$ (5,145)	\$ 1,102	\$ (9,773)	\$ (11,871)	\$ (42,609)
Company Managed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (53,842)	\$ (76,620)	\$ (386,452)	\$ (303,370)	\$ (82,504)	\$ (902,788)
LNG Withdrawal / Boiloff	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,540	\$ 24,754	\$ 47,115	\$ 7,602	\$ 13,934	\$ 46,454	\$ 153,399
Transportation Charges	\$ -	\$ -	\$ (113,702)	\$ (27)	\$ -	\$ -	\$ -	\$ 2,275	\$ 24,569	\$ 96,979	\$ 27,476	\$ 19,279	\$ 56,848
Hedging Costs	\$ 8,657	\$ 16,231	\$ 30,092	\$ 30,048	\$ 18,736	\$ (2)	\$ (2)	\$ (2)	\$ (2)	\$ (2)	\$ (3)	\$ (3)	\$ 103,747
Propane	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 490	\$ 625	\$ 1,057	\$ 1,139	\$ 833	\$ 859	\$ 5,003
Inventory Finance Charge	\$ 199	\$ 227	\$ 283	\$ 288	\$ 289	\$ 348	\$ 349	\$ 378	\$ 321	\$ 193	\$ 136	\$ 138	\$ 3,149
Prior Period Adjustments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal - Other Commodity	\$ 8,856	\$ 16,457	\$ (83,327)	\$ 30,310	\$ 19,025	\$ 345	\$ 72,504	\$ (47,265)	\$ 1,289,263	\$ 286,411	\$ (27,401)	\$ (4,905)	\$ 1,560,273
Off System Sales Estimates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (381,707)	\$ (143,917)	\$ (646,631)	\$ (317,663)	\$ (82,504)	\$ -	\$ (1,572,422)
Off System Sales Reversals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 381,707	\$ 143,917	\$ 646,631	\$ 317,663	\$ 82,504	\$ 1,572,422
Subtotal Estimates/Reversals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (381,707)	\$ 237,790	\$ (502,714)	\$ 328,968	\$ 235,159	\$ 82,504	\$ -
Total Commodity Costs	\$ 6,259	\$ 16,457	\$ (83,327)	\$ 30,310	\$ 19,025	\$ 345	\$ 2,724,766	\$ 3,692,236	\$ 4,945,853	\$ 4,542,981	\$ 3,080,123	\$ 1,427,769	\$ 20,402,799

NORTHERN UTILITIES, INC. - MAINE DIVISION
COST OF GAS ADJUSTMENT - FORM III, Schedule 4 - IN DOLLARS
May 2015 - April 2016

Demand Costs	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	Total Winter
Pipeline Reservation													
Alberta Northeast	\$ 7,839	\$ 7,923	\$ 10,325	\$ 8,939	\$ 7,353	\$ 7,195	\$ 7,665	\$ 7,774	\$ 8,798	\$ 7,944	\$ 7,412	\$ 7,919	\$ 97,085
Algonquin	\$ 17,759	\$ 17,776	\$ 17,776	\$ 17,776	\$ 17,776	\$ 17,776	\$ 16,809	\$ 19,556	\$ 19,559	\$ 19,559	\$ 19,508	\$ 19,524	\$ 221,154
DTE Energy	\$ 489,428	\$ 484,601	\$ 459,470	\$ 462,802	\$ 457,660	\$ 466,655	\$ 458,839	\$ 486,014	\$ 475,842	\$ 489,873	\$ 511,973	\$ 533,377	\$ 5,776,535
Emera	\$ 48,753	\$ 49,337	\$ 48,615	\$ 47,641	\$ 46,612	\$ 46,198	\$ 46,883	\$ 50,783	\$ 49,254	\$ 48,249	\$ 49,743	\$ 51,886	\$ 583,955
Granite State	\$ 202,166	\$ 202,166	\$ 202,166	\$ 214,914	\$ 214,914	\$ 214,914	\$ 271,947	\$ 271,947	\$ 271,947	\$ 271,947	\$ 271,947	\$ 271,947	\$ 2,882,921
Iroquois	\$ 22,678	\$ 22,678	\$ 22,678	\$ 22,678	\$ 22,678	\$ 22,678	\$ 22,678	\$ 24,953	\$ 24,953	\$ 24,953	\$ 24,953	\$ 24,953	\$ 283,511
Portland	\$ 14,957	\$ 14,957	\$ 14,957	\$ 14,957	\$ 14,957	\$ 14,957	\$ 14,957	\$ 954,559	\$ 954,559	\$ 954,559	\$ 954,559	\$ 954,559	\$ 4,877,496
Tennessee	\$ 198,722	\$ 198,722	\$ 198,722	\$ 142,328	\$ 198,722	\$ 198,722	\$ 198,722	\$ 211,826	\$ 182,372	\$ 211,826	\$ 211,826	\$ 211,826	\$ 2,364,335
Texas Eastern	\$ 5,668	\$ -	\$ 5,669	\$ -	\$ 2,825	\$ 5,650	\$ -	\$ 2,990	\$ 3,109	\$ 3,109	\$ 3,106	\$ 3,106	\$ 35,232
Union/ Repsol	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Vector	\$ 94,338	\$ 94,306	\$ 94,235	\$ 94,227	\$ 94,213	\$ 94,245	\$ 94,204	\$ 148,508	\$ 148,446	\$ 148,479	\$ 148,548	\$ 148,593	\$ 1,402,341
Total Pipeline Reservation	\$1,102,309	\$1,092,466	\$1,074,614	\$1,026,263	\$1,077,710	\$1,088,990	\$1,132,704	\$2,178,909	\$2,138,838	\$2,180,498	\$2,203,574	\$2,227,689	\$18,524,565
Product Demand													
Distrigas	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 57,580	\$ 57,580	\$ 57,580	\$ -	\$ -	\$ 172,740
Emera	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,640	\$ 46,640	\$ 46,640	\$ 46,640	\$ 46,640	\$ 233,199
Engie	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 57,580	\$ 57,580	\$ 115,160
Repsol	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 352,390	\$ 364,136	\$ 364,136	\$ 340,643	\$ 364,136	\$ 1,785,441
Shell	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,892	\$ 15,892	\$ 15,892	\$ 15,892	\$ 15,892	\$ 79,460
Total Product Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 472,501	\$ 484,248	\$ 484,248	\$ 460,755	\$ 484,248	\$ 2,386,000
Storage Pipeline Transportation and Demand Reservation													
Tennessee	\$ 6,283	\$ 6,283	\$ 6,283	\$ 4,500	\$ 6,283	\$ 6,283	\$ 6,283	\$ 6,711	\$ 5,778	\$ 6,711	\$ 6,711	\$ 6,711	\$ 74,818
Texas Eastern	\$ 88	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88
Wash 10	\$ 126,028	\$ 126,028	\$ 126,028	\$ 126,028	\$ 126,028	\$ 126,028	\$ 126,028	\$ 138,672	\$ 138,672	\$ 138,672	\$ 138,672	\$ 138,672	\$ 1,575,556
Company Managed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (304,386)	\$ (295,197)	\$ (294,166)	\$ (284,986)	\$ (287,373)	\$ (1,466,108)
Total Storage and Demand Reservation	\$ 132,399	\$ 132,311	\$ 132,311	\$ 130,528	\$ 132,311	\$ 132,311	\$ 132,311	\$ (159,003)	\$ (150,748)	\$ (148,783)	\$ (139,604)	\$ (141,990)	\$ 184,354
Demand Cost Estimates	\$ 1,029,938	\$ 1,025,214	\$ 1,034,353	\$ 944,711	\$ 463,943	\$ 995,107	\$ 2,239,907	\$ 2,261,095	\$ 2,262,900	\$ 2,246,930	\$ 2,268,542	\$ 925,735	\$ 17,698,375
Demand Cost Reversals	\$ (846,218)	\$ (1,029,938)	\$ (1,025,214)	\$ (1,034,353)	\$ (944,711)	\$ (463,943)	\$ (995,107)	\$ (2,239,907)	\$ (2,261,095)	\$ (2,262,900)	\$ (2,246,930)	\$ (2,268,542)	\$ (17,618,858)
Subtotal Estimates/Reversals	\$ 183,720	\$ (4,724)	\$ 9,139	\$ (89,642)	\$ (480,768)	\$ 531,164	\$ 1,244,800	\$ 21,188	\$ 1,805	\$ (15,970)	\$ 21,612	\$ (1,342,807)	\$ 79,517
Total Direct Demand Costs	\$ 1,418,429	\$ 1,220,053	\$ 1,216,064	\$ 1,067,149	\$ 729,253	\$ 1,752,465	\$ 2,509,815	\$ 2,513,595	\$ 2,474,143	\$ 2,499,993	\$ 2,546,338	\$ 1,227,140	\$ 21,174,436
Indirect Demand Costs													
PNGTS Refund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (683,654)	\$ (683,654)	\$ (683,654)	\$ (683,645)	\$ (683,645)	\$ (683,645)	\$ (4,101,899)
Capacity Release	\$ (450,516)	\$ (444,786)	\$ (450,406)	\$ (444,728)	\$ (447,591)	\$ (450,359)	\$ (444,020)	\$ (525,638)	\$ (522,403)	\$ (520,263)	\$ (517,769)	\$ (517,438)	\$ (5,735,916)
Miscellaneous	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other A&G Allowance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61,951	\$ 61,951	\$ 61,951	\$ 61,951	\$ 61,951	\$ 61,951	\$ 371,708
Local Production and Storage Allowance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 121,010	\$ 121,010	\$ 121,010	\$ 121,010	\$ 121,010	\$ 121,010	\$ 726,059
Total Indirect Demand Costs	\$ (450,516)	\$ (444,786)	\$ (450,406)	\$ (444,728)	\$ (447,591)	\$ (450,359)	\$ (944,713)	\$ (1,026,331)	\$ (1,023,096)	\$ (1,020,947)	\$ (1,018,453)	\$ (1,018,122)	\$ (8,740,048)
Demand Cost Estimates - Capacity Release	\$ (420,002)	\$ (419,909)	\$ (420,002)	\$ (420,002)	\$ (24,421)	\$ (419,993)	\$ (494,858)	\$ (494,106)	\$ (494,106)	\$ (492,617)	\$ (492,821)	\$ (512,813)	\$ (5,105,650)
Demand Cost Reversals - Capacity Release	\$ 419,851	\$ 420,002	\$ 419,909	\$ 420,002	\$ 420,002	\$ 24,421	\$ 419,993	\$ 494,858	\$ 494,106	\$ 494,106	\$ 492,617	\$ 492,821	\$ 5,012,688
Subtotal	\$ (151)	\$ 93	\$ (93)	\$ -	\$ 395,581	\$ (395,572)	\$ (74,865)	\$ 752	\$ -	\$ 1,489	\$ (204)	\$ (19,992)	\$ (92,962)
Total Demand Costs	\$ 967,761	\$ 775,360	\$ 765,565	\$ 622,421	\$ 677,243	\$ 906,534	\$ 1,490,237	\$ 1,488,017	\$ 1,451,047	\$ 1,480,535	\$ 1,527,681	\$ 189,026	\$ 12,341,426
Demand Costs Transferred to Summer	\$ (165,041)	\$ (165,041)	\$ (165,041)	\$ (165,041)	\$ (165,041)	\$ (165,041)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (990,244)
Net Demand Costs For Winter Period	\$ 802,721	\$ 610,319	\$ 600,524	\$ 457,380	\$ 512,202	\$ 741,493	\$ 1,490,237	\$ 1,488,017	\$ 1,451,047	\$ 1,480,535	\$ 1,527,681	\$ 189,026	\$ 11,351,182
Total Gas Costs	\$ 808,980	\$ 626,777	\$ 517,198	\$ 487,690	\$ 531,227	\$ 741,838	\$ 4,215,003	\$ 5,180,253	\$ 6,396,900	\$ 6,023,516	\$ 4,607,804	\$ 1,616,795	\$ 31,753,981

NORTHERN UTILITIES, INC. - MAINE DIVISION
 COST OF GAS ADJUSTMENT - FORM III, Schedule 4 - UNITS
 May 2015 - April 2016

REDACTED

FORM III
 Schedule 4
 Page 7 of 12

Commodity Volumes:

DTE
 Emera
 Freepoint
 Repsol
 Sequent
 Shell
 Southwestern
 Tenaska

Subtotal - Commodity Costs

Transportation Volumes

Granite
 Portland
 Tennessee

Subtotal- Commodity Transportation

Commodity Volume Estimates
 Commodity Volume Reversals

Subtotal - Supply

Withdrawal - Underground Storage
 ATV Reconciliation Charges
 Off System Sales
 Net OBA Adjustment
 Company Managed
 LNG Withdrawal / Boiloff
 Transportation Charges
 Hedging Costs
 Propane

Inventory Finance Charge
 Prior Period Adjustments
 Subtotal - Other Commodity

Off System & Company Managed Estimates
 Off System & Company Managed Reversals

Total Commodity Volumes

	<u>May-15</u>	<u>Jun-15</u>	<u>Jul-15</u>	<u>Aug-15</u>	<u>Sep-15</u>	<u>Oct-15</u>	<u>Nov-15</u>	<u>Dec-15</u>	<u>Jan-16</u>	<u>Feb-16</u>	<u>Mar-16</u>	<u>Apr-16</u>	<u>Total Winter</u>

NORTHERN UTILITIES, INC. - BOTH DIVISIONS
2015-2016 WINTER PERIOD RECONCILIATION
SCHEDULE 4: PURCHASED GAS COSTS ALLOCATED TO WINTER PERIOD
May 2015 - April 2016

Commodity Costs:	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	Total Winter
DTE	\$ 481,725	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 206,418	\$ 936,974	\$ 214,513	\$ 195,788	\$ 196,313	\$ 2,231,731
Emera	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 498,788	\$ 535,003	\$ 1,445,609	\$ 1,274,454	\$ 404,432	\$ 4,158,287
Freepoint	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,420,200	\$ 1,494,355	\$ 1,520,085	\$ 1,395,480	\$ 1,417,810	\$ 7,247,930
Repsol	\$ 691,907	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,200,742	\$ 2,441,996	\$ 2,884,737	\$ 3,334,819	\$ 2,540,366	\$ 14,094,567
Sequent	\$ 67,084	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61,786	\$ 86,927	\$ 112,738	\$ 91,098	\$ 49,622	\$ 469,255
Shell	\$ 242,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 214,943	\$ 245,368	\$ 271,827	\$ 230,405	\$ 172,205	\$ 1,377,148
Southwestern	\$ 114,481	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,801	\$ -	\$ -	\$ -	\$ -	\$ 161,281
Tenaska	\$ 132,832	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 138,185	\$ 147,693	\$ 160,482	\$ 127,088	\$ 107,160	\$ 813,439
Subtotal - Commodity Supply	\$ 1,730,428	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,787,862	\$ 5,888,316	\$ 6,609,991	\$ 6,649,133	\$ 4,887,909	\$ 30,553,639
Transportation Costs:													
Granite	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 457	\$ 853	\$ 1,620	\$ 1,352	\$ 700	\$ 774	\$ 5,757
Portland	\$ 42	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 96,199	\$ 32,081	\$ 179,460	\$ 100,778	\$ 35	\$ 408,595
Tennessee	\$ 23,149	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,558	\$ 24,794	\$ 26,191	\$ 25,142	\$ 24,500	\$ 149,333
Subtotal - Commodity Transportation	\$ 23,191	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 457	\$ 122,610	\$ 58,495	\$ 207,003	\$ 126,621	\$ 25,309	\$ 563,685
Commodity Cost Estimates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,912,058	\$ 5,718,686	\$ 6,816,373	\$ 6,775,793	\$ 4,798,488	\$ 2,086,423	\$ 31,107,821
Commodity Cost Reversals	\$ (1,758,047)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (4,912,058)	\$ (5,718,686)	\$ (6,816,373)	\$ (6,775,793)	\$ (4,798,488)	\$ (30,779,445)
Subtotal - Supply	\$ (4,428)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,912,515	\$ 5,717,100	\$ 7,044,498	\$ 6,776,414	\$ 4,798,449	\$ 2,201,153	\$ 31,445,700
Withdrawal - Underground Storage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 138,541	\$ 512,719	\$ 2,346,585	\$ 1,462,398	\$ 429,217	\$ 320	\$ 4,889,781
ATV Reconciliation Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (26,032)	\$ (2,710)	\$ (31,405)	\$ (35,512)	\$ 1,229	\$ 36,720	\$ (57,710)
Off System Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (531,245)	\$ (109,872)	\$ (442,902)	\$ (24,660)	\$ -	\$ (1,108,680)
Net OBA Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (18,393)	\$ (9,082)	\$ (8,725)	\$ 1,902	\$ (16,326)	\$ (19,328)	\$ (69,951)
Company Managed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (111,568)	\$ (154,944)	\$ (790,247)	\$ (675,624)	\$ (160,447)	\$ (1,892,831)
LNG Withdrawal / Boiloff	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,924	\$ 40,415	\$ 79,896	\$ 13,117	\$ 23,277	\$ 75,633	\$ 254,262
Transportation Charges	\$ -	\$ -	\$ (185,939)	\$ (42)	\$ -	\$ -	\$ -	\$ 3,684	\$ 40,113	\$ 164,454	\$ 47,404	\$ 32,206	\$ 101,880
Hedging Costs	\$ 13,983	\$ 26,543	\$ 46,806	\$ 45,939	\$ 29,887	\$ (4)	\$ (4)	\$ (4)	\$ (4)	\$ (4)	\$ (4)	\$ (4)	\$ 163,130
Propane	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 490	\$ 625	\$ 1,057	\$ 1,139	\$ 833	\$ 859	\$ 5,003
Inventory Finance Charge	\$ 321	\$ 371	\$ 441	\$ 441	\$ 461	\$ 549	\$ 566	\$ 617	\$ 544	\$ 334	\$ 227	\$ 224	\$ 5,096
Prior Period Adjustments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal- Other Commodity	\$ 14,305	\$ 26,913	\$ (138,692)	\$ 46,338	\$ 30,348	\$ 545	\$ 117,093	\$ (96,549)	\$ 2,163,243	\$ 374,678	\$ (214,426)	\$ (33,817)	\$ 2,289,978
Off System Sales Estimates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (642,439)	\$ (264,817)	\$ (1,232,149)	\$ (700,284)	\$ (160,447)	\$ -	\$ (3,000,136)
Off System Sales Reversals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 642,439	\$ 264,817	\$ 1,232,149	\$ 700,284	\$ 160,447	\$ 3,000,136
Subtotal Estimates/Reversals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (381,707)	\$ 498,522	\$ (381,814)	\$ 914,486	\$ 617,780	\$ 160,447	\$ 1,427,714
Total Commodity Costs	\$ 9,877	\$ 26,913	\$ (138,692)	\$ 46,338	\$ 30,348	\$ 545	\$ 4,387,169	\$ 5,998,173	\$ 8,240,409	\$ 7,682,957	\$ 5,123,859	\$ 2,327,783	\$ 33,735,679

NORTHERN UTILITIES, INC. - BOTH DIVISIONS
2015-2016 WINTER PERIOD RECONCILIATION
SCHEDULE 4: PURCHASED GAS COSTS ALLOCATED TO WINTER PERIOD
May 2015 - April 2016

Demand Costs	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	Total Winter
Pipeline Reservation													
Alberta Northeast	\$ 14,980	\$ 15,140	\$ 19,730	\$ 17,082	\$ 14,051	\$ 13,750	\$ 14,647	\$ 13,501	\$ 15,279	\$ 13,797	\$ 12,873	\$ 13,753	\$ 178,583
Algonquin	\$ 33,937	\$ 33,969	\$ 33,969	\$ 33,968	\$ 33,969	\$ 33,969	\$ 32,121	\$ 33,964	\$ 33,969	\$ 33,969	\$ 33,880	\$ 33,908	\$ 405,590
DTE Energy	\$ 935,273	\$ 926,048	\$ 878,025	\$ 884,392	\$ 874,565	\$ 891,754	\$ 876,818	\$ 844,067	\$ 826,401	\$ 850,770	\$ 889,151	\$ 926,323	\$ 10,603,588
Emera	\$ 93,164	\$ 94,280	\$ 92,901	\$ 91,040	\$ 89,074	\$ 88,282	\$ 89,592	\$ 88,195	\$ 85,540	\$ 83,795	\$ 86,389	\$ 90,112	\$ 1,072,364
Granite State	\$ 386,330	\$ 386,330	\$ 386,330	\$ 410,690	\$ 410,690	\$ 410,690	\$ 472,294	\$ 472,294	\$ 472,294	\$ 472,294	\$ 472,294	\$ 472,294	\$ 5,224,821
Iroquois	\$ 43,336	\$ 43,336	\$ 43,336	\$ 43,336	\$ 43,336	\$ 43,336	\$ 43,336	\$ 43,336	\$ 43,336	\$ 43,336	\$ 43,336	\$ 43,336	\$ 520,036
Portland	\$ 28,583	\$ 28,583	\$ 28,583	\$ 28,583	\$ 28,583	\$ 28,583	\$ 28,583	\$ 1,657,796	\$ 1,657,796	\$ 1,657,796	\$ 1,657,796	\$ 1,657,796	\$ 8,489,059
Tennessee	\$ 379,748	\$ 379,748	\$ 379,748	\$ 271,982	\$ 379,748	\$ 379,748	\$ 379,748	\$ 367,881	\$ 316,728	\$ 367,881	\$ 367,881	\$ 367,881	\$ 4,338,719
Texas Eastern	\$ 10,831	\$ -	\$ 10,834	\$ -	\$ 5,398	\$ 10,796	\$ -	\$ 5,193	\$ 5,400	\$ 5,400	\$ 5,393	\$ 5,393	\$ 64,639
Union/ Repsol	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Vector	\$ 180,275	\$ 180,213	\$ 180,079	\$ 180,063	\$ 180,037	\$ 180,097	\$ 180,019	\$ 257,916	\$ 257,808	\$ 257,865	\$ 257,986	\$ 258,064	\$ 2,550,421
Total Pipeline Reservation	\$ 2,106,458	\$ 2,087,647	\$ 2,053,533	\$ 1,961,137	\$ 2,059,450	\$ 2,081,004	\$ 2,117,157	\$ 3,784,142	\$ 3,714,551	\$ 3,786,902	\$ 3,826,979	\$ 3,868,859	\$ 33,447,820
Product Demand													
Distrigas	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 300,000
Emera	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 81,000	\$ 81,000	\$ 81,000	\$ 81,000	\$ 81,000	\$ 405,000
Engie	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 200,000
Repsol	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 612,000	\$ 632,400	\$ 632,400	\$ 591,600	\$ 632,400	\$ 3,100,800
Shell	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,600	\$ 27,600	\$ 27,600	\$ 27,600	\$ 27,600	\$ 138,000
Total Product Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 820,600	\$ 841,000	\$ 841,000	\$ 800,200	\$ 841,000	\$ 4,143,800
Storage Pipeline Transportation and Demand Reservation													
Tennessee	\$ 12,006	\$ 12,006	\$ 12,006	\$ 8,599	\$ 12,006	\$ 12,006	\$ 12,006	\$ 11,655	\$ 10,034	\$ 11,655	\$ 11,655	\$ 11,655	\$ 137,289
Texas Eastern	\$ 169	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 169
Wash 10	\$ 240,833	\$ 240,833	\$ 240,833	\$ 240,833	\$ 240,833	\$ 240,833	\$ 240,833	\$ 240,833	\$ 240,833	\$ 240,833	\$ 240,833	\$ 240,833	\$ 2,890,000
Company Managed	\$ (158,307)	\$ (93,465)	\$ (93,803)	\$ (94,796)	\$ (94,740)	\$ (96,234)	\$ (98,060)	\$ (430,587)	\$ (413,793)	\$ (409,327)	\$ (406,410)	\$ (411,716)	\$ (2,801,238)
Total Storage and Demand Reservation	\$ 94,701	\$ 159,374	\$ 159,036	\$ 154,637	\$ 158,100	\$ 156,606	\$ 154,780	\$ (178,099)	\$ (162,926)	\$ (156,839)	\$ (153,922)	\$ (159,228)	\$ 226,219
Demand Cost Estimates	\$ 1,874,695	\$ 1,865,330	\$ 1,881,801	\$ 1,710,555	\$ 790,337	\$ 1,803,540	\$ 3,988,121	\$ 4,025,756	\$ 4,031,566	\$ 3,990,804	\$ 4,027,176	\$ 1,533,014	\$ 31,522,695
Demand Cost Reversals	\$ (1,458,774)	\$ (1,874,695)	\$ (1,865,330)	\$ (1,881,801)	\$ (1,710,555)	\$ (790,337)	\$ (1,803,540)	\$ (3,988,121)	\$ (4,025,756)	\$ (4,031,566)	\$ (3,990,804)	\$ (4,027,176)	\$ (31,448,455)
Subtotal	\$ 415,921	\$ (9,365)	\$ 16,471	\$ (171,246)	\$ (920,218)	\$ 1,013,203	\$ 2,184,581	\$ 37,635	\$ 5,810	\$ (40,762)	\$ 36,372	\$ (2,494,162)	\$ 74,240
Total Direct Demand Costs	\$ 2,617,080	\$ 2,237,656	\$ 2,229,041	\$ 1,944,528	\$ 1,297,331	\$ 3,250,813	\$ 4,456,519	\$ 4,464,278	\$ 4,398,435	\$ 4,430,302	\$ 4,509,628	\$ 2,056,469	\$ 37,892,079
Amortization of PNGTS Rate Case Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,719,342)	\$ (1,711,706)	\$ (1,707,312)	\$ (1,724,663)	\$ (1,713,787)	\$ (1,497,039)	\$ (10,073,850)
Capacity Release	\$ (883,440)	\$ (873,318)	\$ (884,464)	\$ (875,506)	\$ (881,699)	\$ (887,235)	\$ (887,905)	\$ (915,224)	\$ (910,399)	\$ (908,499)	\$ (906,343)	\$ (902,297)	\$ (10,716,329)
Capacity Mitigation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,643	\$ 9,415	\$ 1,133	\$ 2,995	\$ 16,185
Production and Storage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 127,751	\$ 127,751	\$ 127,751	\$ 127,751	\$ 127,751	\$ 127,751	\$ 766,506
Miscellaneous Overhead	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 191,120	\$ 191,120	\$ 191,120	\$ 191,120	\$ 191,120	\$ 191,120	\$ 1,146,717
Total Indirect Demand Costs	\$ (883,440)	\$ (873,318)	\$ (884,464)	\$ (875,506)	\$ (881,699)	\$ (887,235)	\$ (2,288,376)	\$ (2,308,060)	\$ (2,296,199)	\$ (2,304,877)	\$ (2,300,127)	\$ (2,077,471)	\$ (18,860,771)
Demand Cost Estimates - Capacity Release	\$ (838,583)	\$ (838,228)	\$ (839,551)	\$ (840,257)	\$ (84,321)	\$ (840,893)	\$ (871,351)	\$ (869,210)	\$ (868,657)	\$ (869,074)	\$ (865,354)	\$ (900,073)	\$ (9,525,552)
Demand Cost Reversals - Capacity Release	\$ 837,640	\$ 838,583	\$ 838,228	\$ 839,551	\$ 840,257	\$ 84,321	\$ 840,893	\$ 871,351	\$ 869,210	\$ 868,657	\$ 869,074	\$ 865,354	\$ 9,463,119
Subtotal	\$ (943)	\$ 355	\$ (1,323)	\$ (706)	\$ 755,936	\$ (756,572)	\$ (30,458)	\$ 2,141	\$ 553	\$ (417)	\$ 3,720	\$ (34,719)	\$ (62,433)
Total Demand Costs	\$ 1,732,697	\$ 1,364,694	\$ 1,343,254	\$ 1,068,316	\$ 1,171,568	\$ 1,607,006	\$ 2,137,684	\$ 2,158,359	\$ 2,102,789	\$ 2,125,008	\$ 2,213,222	\$ (55,721)	\$ 18,968,875
Demand Costs Transferred to Summer Period	\$ (312,587)	\$ (312,587)	\$ (312,587)	\$ (312,587)	\$ (312,586)	\$ (312,587)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,875,519)
Net Demand Costs For Winter Period	\$ 1,420,111	\$ 1,052,107	\$ 1,030,667	\$ 755,729	\$ 858,982	\$ 1,294,420	\$ 2,137,684	\$ 2,158,359	\$ 2,102,789	\$ 2,125,008	\$ 2,213,222	\$ (55,721)	\$ 17,093,356
Total Gas Costs	\$ 1,429,987	\$ 1,079,020	\$ 891,975	\$ 802,067	\$ 889,330	\$ 1,294,965	\$ 6,524,853	\$ 8,156,532	\$ 10,343,198	\$ 9,807,965	\$ 7,337,081	\$ 2,272,062	\$ 50,829,034

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015-2016 WINTER PERIOD RECONCILIATION
SCHEDULE 5: SALES AND TRANSPORTATION VOLUMES
May 2015 - April 2016

<i>New Hampshire</i>	<u>May-15</u>	<u>Jun-15</u>	<u>Jul-15</u>	<u>Aug-15</u>	<u>Sep-15</u>	<u>Oct-15</u>	<u>Nov-15</u>	<u>Dec-15</u>	<u>Jan-16</u>	<u>Feb-16</u>	<u>Mar-16</u>	<u>Apr-16</u>	<u>Total</u>
Throughput IN													
<i>BTU Factor</i>	1.029	1.028	1.027	1.028	1.027	1.030	1.029	1.030	1.037	1.040	1.031	1.029	
<i>GST Meter Throughput (MCF)</i>	376,431	361,552	336,560	333,344	351,337	531,243	646,638	766,397	1,066,835	948,098	800,389	645,794	7,164,618
<i>Salem Meter (MCF)</i>	14,557	12,565	10,691	10,918	11,600	23,646	35,218	45,629	72,336	61,893	46,280	33,833	379,166
<i>GST Meter Throughput (DTH)</i>	387,347	371,675	345,647	342,678	360,823	547,180	665,391	789,389	1,106,308	986,022	825,201	664,522	7,392,183
<i>Salem Meter (DTH)</i>	14,979	12,917	10,980	11,224	11,913	24,355	36,239	46,998	75,012	64,369	47,715	34,814	391,515
<i>LNG/Propane</i>													
<i>Total Throughput</i>	402,327	384,592	356,627	353,901	372,736	571,536	701,630	836,387	1,181,320	1,050,391	872,916	699,336	7,783,699
Throughput OUT													
<i>Residential Gas</i>													
Charged	84,367	52,812	37,546	33,444	34,545	59,775	113,113	186,471	262,076	301,820	246,815	170,454	1,583,238
Uncharged Current	60,434	28,188	20,985	22,048	44,509	81,401	118,325	165,574	169,392	101,733	114,657	63,011	990,255
Uncharged Prior	-69,627	-60,434	-28,188	-20,985	-22,048	-44,509	-81,401	-118,325	-165,574	-169,392	-101,733	-114,657	-996,870
Total Residential Gas	75,174	20,566	30,343	34,507	57,006	96,667	150,038	233,720	265,894	234,161	259,739	118,809	1,576,622
Interruptible	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Commercial/Industrial Gas</i>													
Charged	104,967	79,431	53,967	48,384	60,351	84,484	137,217	217,329	304,282	326,381	269,871	189,869	1,876,533
Uncharged Current	73,159	42,396	30,163	31,897	50,553	88,642	129,040	185,132	192,080	112,881	125,922	75,547	1,137,413
Uncharged Prior	-86,214	-73,159	-42,396	-30,163	-31,897	-50,553	-88,642	-129,040	-185,132	-192,080	-112,881	-125,922	-1,148,079
Total C/I Gas	91,912	48,668	41,734	50,118	79,007	122,574	177,615	273,421	311,230	247,182	282,911	139,494	1,865,866
<i>Transportation</i>													
Charged	274,036	274,115	286,042	246,513	268,368	319,883	344,377	389,403	478,173	484,702	449,852	386,077	4,201,541
Uncharged Current	124,816	96,572	108,407	100,793	123,959	192,485	211,447	232,945	224,418	150,341	163,243	134,242	1,863,667
Uncharged Prior	-119,357	-124,816	-96,572	-108,407	-100,793	-123,959	-192,485	-211,447	-232,945	-224,418	-150,341	-163,243	-1,848,782
Total Transportation	279,495	245,871	297,877	238,899	291,534	388,410	363,339	410,900	469,646	410,625	462,754	357,076	4,216,426
Company Use	98	72	58	117	136	89	117	217	305	332	226	236	2,003
Total Throughput OUT	446,679	315,177	370,012	323,641	427,682	607,739	691,109	918,258	1,047,075	892,300	1,005,631	615,615	7,660,918
Total Throughput IN	402,327	384,592	356,627	353,901	372,736	571,536	701,630	836,387	1,181,320	1,050,391	872,916	699,336	7,783,699
Difference IN/OUT %	-44,352	69,415	-13,385	30,260	-54,946	-36,203	10,521	-81,871	134,245	158,091	-132,715	83,721	122,781 1.58%

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015-2016 WINTER PERIOD RECONCILIATION
DEFERRED WINTER PERIOD WORKING CAPITAL ALLOWANCE ON PURCHASED GAS COSTS
May 2015 - April 2016

PEAK PERIOD - Acct 182.11

	BEGINNING BALANCE	WORKING CAP ALLOWANCE (1)	WORKING CAP PERCENTAGE	WORKING CAP COLLECTIONS	WORKING CAP DEFERRED	ENDING BALANCE	AVE MONTHLY BALANCE	INTEREST RATE	INTEREST	ENDING BAL W/ INTEREST
	A	B	C	D	E = B + D	F = A + E	G = (A + F) / 2	H	I = G * (J / 12)	J = F + I
May 2015 \$	(3,542)									
Adjustment (2) \$	62									
Revised May 2015 \$	(3,604)	512	0.0824%	157	668	(2,935)	(3,270)	3.25%	(9)	(2,944)
June \$	(2,944)	373	0.0824%	(1)	372	(2,572)	(2,758)	3.25%	(7)	(2,580)
July \$	(2,580)	309	0.0824%	(1)	308	(2,271)	(2,426)	3.25%	(7)	(2,278)
August \$	(2,278)	259	0.0824%	(0)	259	(2,019)	(2,149)	3.25%	(6)	(2,025)
September \$	(2,025)	295	0.0824%	2	297	(1,728)	(1,877)	3.25%	(5)	(1,733)
October \$	(1,733)	456	0.0824%	(0)	456	(1,278)	(1,506)	3.25%	(4)	(1,282)
November \$	(1,282)	1,903	0.0824%	(1,431)	473	(809)	(1,046)	3.25%	(3)	(812)
December \$	(812)	2,452	0.0854%	(2,272)	181	(631)	(722)	3.25%	(2)	(633)
January 2016 \$	(633)	3,252	0.0824%	(3,187)	65	(569)	(601)	3.25%	(2)	(570)
February \$	(570)	3,118	0.0824%	(2,606)	513	(58)	(314)	3.25%	(1)	(59)
March \$	(59)	2,249	0.0824%	(2,538)	(289)	(348)	(203)	3.25%	(1)	(348)
April \$	(348)	581	0.0887%	(1,431)	(850)	(1,199)	(774)	3.50%	(2)	(1,201)
Totals		15,759		(13,308)					(48)	

(1) Working Capital Allowance calculated by taking monthly Total Gas Costs from Sch 4, page 2 of 12, and multiplying by (9.25/365)*Interest Rate.

(2) Prior Period Adjustment - see Schedule 2	\$	(74,876)
Working Capital Allocation (.0824%)	\$	(62)

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015-2016 WINTER PERIOD RECONCILIATION
WINTER PERIOD BAD DEBT EXPENSE - CALCULATION OF COLLECTION ALLOWANCE
May 2015 - April 2016

PEAK PERIOD - Acct 182.16

	REVISED BALANCE	BAD DEBT ALLOWANCE (1)	BAD DEBT COLLECTIONS	DEFERRED BALANCE	ENDING BALANCE	BAD DEBT AVE MO BALANCE	INTEREST RATE	INTEREST	END BAL W/ INTEREST
	A	B	C	D = B + C	E = A + D	F = (A + E) / 2	G	H = F * (G/ 12)	I = E + H
May 2015	(64,204)	23,501	1,250	24,750	(39,454)	(51,829)	3.25%	(140)	(39,594)
June	(39,594)	44,482	(5)	44,477	4,883	(17,356)	3.25%	(47)	4,836
July	4,836	73,815	(4)	73,811	78,647	41,741	3.25%	113	78,760
August	78,760	48,819	(2)	48,817	127,576	103,168	3.25%	279	127,856
September	127,856	26,237	14	26,251	154,107	140,981	3.25%	382	154,489
October	154,489	3,643	(2)	3,641	158,130	156,309	3.25%	423	158,553
November	158,553	12,683	(16,449)	(3,766)	154,788	156,670	3.25%	424	155,212
December	155,212	4,322	(25,962)	(21,640)	133,572	144,392	3.25%	391	133,963
January 2016	133,963	(33)	(36,333)	(36,366)	97,597	115,780	3.25%	314	97,911
February	97,911	3,267	(29,695)	(26,427)	71,483	84,697	3.25%	229	71,713
March	71,713	3,415	(28,966)	(25,551)	46,161	58,937	3.25%	160	46,321
April	46,321	8,375	(16,409)	(8,033)	38,288	42,304	3.50%	123	38,411
Totals		252,527	(152,563)					2,652	

(1) Per Docket No. DG 11-69, Bad Debt based on actual write-offs

Northern Utilities, Inc. - New Hampshire Division
Environmental Response Costs
May 2015 - October 2016

		Beginning Balance	Firm Sales and Transportation (therms)	ERC Rate Recoveries /Passback	Current ERC Recoveries/ Passbacks	Ending Balance
May 2015	(act)	\$ 270	3,749,297	\$ 0.0018	\$ 6,743	\$ (6,474)
June 2015	(act)	\$ (6,474)	3,131,772	\$ 0.0018	\$ 5,635	\$ (12,109)
July 2015	(act)	\$ (12,109)	2,854,744	\$ 0.0018	\$ 5,137	\$ (17,246)
August 2015	(act)	\$ (17,246)	2,347,164	\$ 0.0018	\$ 4,222	\$ (21,467)
September 2015	(act)	\$ (21,467)	2,712,903	\$ 0.0018	\$ 4,880	\$ (26,347)
October 2015	(act)	\$ (26,347)	3,683,516	\$ 0.0018	\$ 6,629	\$ (32,976)
November 2015	(act)	\$ 99,321 ⁽¹⁾	5,084,367	\$ (0.0002) ⁽²⁾	\$ 252,483 ⁽³⁾	\$ (153,162)
December 2015	(act)	\$ (153,162)	6,991,552	\$ (0.0022)	\$ (15,396)	\$ (137,766)
January 2016	(act)	\$ (137,766)	9,439,292	\$ (0.0022)	\$ (20,844)	\$ (116,922)
February 2016	(act)	\$ (116,922)	10,145,081	\$ (0.0022)	\$ (22,315)	\$ (94,607)
March 2016	(act)	\$ (94,607)	8,596,869	\$ (0.0022)	\$ (19,474)	\$ (75,133)
April 2016	(act)	\$ (75,133)	6,421,422	\$ (0.0022)	\$ (14,195)	\$ (60,937)
May 2016	(act)	\$ (60,937)	4,459,867	\$ (0.0022)	\$ (9,831)	\$ (51,106)
June 2016	(est)	\$ (51,106)	3,562,876	\$ (0.0022)	\$ (7,838)	\$ (43,268)
July 2016	(est)	\$ (43,268)	2,615,813	\$ (0.0022)	\$ (5,755)	\$ (37,513)
August 2016	(est)	\$ (37,513)	2,734,314	\$ (0.0022)	\$ (6,015)	\$ (31,497)
September 2016	(est)	\$ (31,497)	2,745,510	\$ (0.0022)	\$ (6,040)	\$ (25,457)
October 2016	(est)	\$ (25,457)	3,354,415	\$ (0.0022)	\$ (7,380)	\$ (18,078)

(1) November Beginning Balance includes \$132,297 amortization from all prior years at 1/7 of annual costs.
(See Section 4.7 of Tariff.)

(2) November Current ERC Recoveries/Passbacks reflect an Average ERC Rate based on actual Firm Sales and Transportation (therms) at \$0.0018 and actual Firm Sales and Transportation (therms) at (\$0.0022).

(3) November 2015 includes Reclasses of Rate Case Expense (\$3,673.02) and Temp. Rate Recoupment (\$253,436.14) per Order in DG 15-393.

**NORTHERN UTILITIES
NEW HAMPSHIRE DIVISION
RLIARA Reconciliation
May 2015 - October 2016**

		<u>Beginning Balance</u>	<u>Program Costs</u>	<u>Regulatory Assessments</u>	<u>RLIARA Recoveries</u>	<u>Ending Balance</u>	<u>Average Monthly Balance</u>	<u>Interest Rate</u>	<u>Interest</u>	<u>Ending Balance w/Interest</u>
		A	B	C	D	E = A+B+C-D	F = (A+E)/2	G	H = F*(G/12)	I = E+H
May 2015	Actual	\$ (142,486)	\$ 32,787	\$ 35,173	\$ 29,243	\$ (103,769)	\$ (123,127)	3.25%	\$ (333)	\$ (104,102)
June 2015	Actual	\$ (104,102)	\$ 21,719	\$ 20,935	\$ 24,422	\$ (85,870)	\$ (94,986)	3.25%	\$ 226	\$ (85,645)
July 2015	Actual	\$ (85,645)	\$ 19,739	\$ 27,408	\$ 22,265	\$ (60,763)	\$ (73,204)	3.25%	\$ (198)	\$ (60,961)
August 2015	Actual	\$ (60,961)	\$ 18,420	\$ 20,935	\$ 18,305	\$ (39,911)	\$ (50,436)	3.25%	\$ (137)	\$ (40,048)
September 2015	Actual	\$ (40,048)	\$ 17,632	\$ (10,719)	\$ 21,160	\$ (54,295)	\$ (47,171)	3.25%	\$ (128) (1)	\$ (54,422)
October 2015	Actual	\$ (54,422)	\$ 19,966	\$ 27,503	\$ 28,728	\$ (35,681)	\$ (45,052)	3.25%	\$ (122)	\$ (35,803)
November 2015	Actual	\$ (35,803)	\$ 26,086	\$ 27,503	\$ 46,893	\$ (29,108)	\$ (32,456)	3.25%	\$ (88)	\$ (29,196)
December 2015	Actual	\$ (29,196)	\$ 35,877	\$ 27,503	\$ 69,214	\$ (35,030)	\$ (32,113)	3.25%	\$ (87)	\$ (35,117)
January 2016	Actual	\$ (35,117)	\$ 46,854	\$ 27,503	\$ 93,457	\$ (54,217)	\$ (44,668)	3.25%	\$ (121)	\$ (54,338)
February 2016	Actual	\$ (54,338)	\$ 55,035	\$ 27,503	\$ 100,434	\$ (72,235)	\$ (63,287)	3.25%	\$ (171)	\$ (72,406)
March 2016	Actual	\$ (72,406)	\$ 49,513	\$ 27,503	\$ 85,187	\$ (80,578)	\$ (76,492)	3.25%	\$ (207)	\$ (80,785)
April 2016	Actual	\$ (80,785)	\$ 40,883	\$ 27,503	\$ 63,576	\$ (75,975)	\$ (78,380)	3.25%	\$ (229)	\$ (76,204)
May 2016	Actual	\$ (76,204)	\$ 37,109	\$ 27,503	\$ 44,161	\$ (55,754)	\$ (65,979)	3.25%	\$ (192)	\$ (55,946)
June 2016	Est.	\$ (55,946)	\$ 21,719	\$ 20,935	\$ 24,422	\$ (37,714)	\$ (46,830)	3.25%	\$ (163)	\$ (37,877)
July 2016	Est.	\$ (37,877)	\$ 19,739	\$ 27,408	\$ 24,422	\$ (15,152)	\$ (26,515)	3.25%	\$ (207)	\$ (15,359)
August 2016	Est.	\$ (15,359)	\$ 12,787	\$ 23,223	\$ 22,265	\$ (1,614)	\$ (8,487)	3.25%	\$ (158)	\$ (1,772)
September 2016	Est.	\$ (1,772)	\$ 12,694	\$ 23,223	\$ 24,440	\$ 9,705	\$ 3,966	3.25%	\$ (113)	\$ 9,592
October 2016	Est.	\$ 9,592	\$ 13,568	\$ 23,223	\$ 25,553	\$ 20,830	\$ 15,211	3.25%	\$ (62)	\$ 20,767

(1) True up to Regulatory Assessment.

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
SALES VARIANCE ANALYSIS
WINTER 2015 - 2016

	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	TOTAL
Forecast Billed Month Sales	332,105	532,370	715,605	751,045	589,726	408,561	3,329,412
Actual Sales	250,330	403,800	566,358	628,202	516,687	360,323	2,725,700
Difference	(81,775)	(128,570)	(149,247)	(122,843)	(73,039)	(48,238)	(603,712)
Add:							
Volume Variance due to Weather							
Normal Bil. Month Actual Sales	286,565	570,801	624,784	689,262	598,105	334,804	3,104,321
Actual Sales	250,330	403,800	566,358	628,202	516,687	360,323	2,725,700
Weather Variance	36,234	167,001	58,426	61,060	81,418	(25,518)	378,621
Total Variance Excluding Weather (excl weather effect)	(45,540)	38,431	(90,821)	(61,783)	8,379	(73,757)	(225,091)
Variance-difference due to meter count							(46,452)
-difference in load pattern							(557,260)
Total Sales Variance							(603,712)

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
 SALES VARIANCE ANALYSIS
 WINTER 2015 - 2016

	<u>NORMAL MMBtu</u>			<u>METERS</u>		
	2015-16 Forecast	2015-16 Actual	Difference	2015-16 Forecast	2015-16 Actual	Difference
Res Heat	1,476,638	1,266,367	(210,271)	141,498	141,142	(356)
Res General	<u>21,092</u>	<u>14,383</u>	<u>(6,709)</u>	<u>8,797</u>	<u>8,280</u>	<u>(517)</u>
Total Res	1,497,730	1,280,750	(216,980)	150,295	149,422	(873)
G-40	736,979	597,192	(139,787)	27,293	27,098	(195)
G-50	85,770	75,272	(10,498)	4,314	4,413	99
G-41	642,308	486,571	(155,737)	2,779	2,728	(51)
G-51	135,603	115,161	(20,442)	904	892	(12)
G-42	128,417	130,035	1,618	72	87	15
G-52	102,605	40,718	(61,887)	30	15	(15)
Total C & I	1,831,682	1,444,950	(386,732)	35,392	35,233	(159)
Total Company	3,329,412	2,725,700	(603,712)	185,687	184,655	(1,032)

	<u>AVERAGE USE</u>			<u>Change in Sales Due to</u>		<u>Total Chg</u>	<u>%</u>
	2015-16 Forecast	2015-16 Actual	Difference	<u>Meter Count</u>	<u>Load Pattern</u>		
Res Heat	10.44	8.97	(1.46)	(3,710)	(206,561)	(210,271)	-14.24%
Res General	2.40	1.74	(0.66)	(1,240)	(5,469)	(6,709)	-31.81%
Total Res	12.83	10.71	(2.12)	(4,950)	(212,029)	(216,980)	-14.49%
G-40	27.00	22.04	(4.96)	(5,276)	(134,511)	(139,787)	-18.97%
G-50	19.88	17.06	(2.83)	1,972	(12,470)	(10,498)	-12.24%
G-41	231.10	178.36	(52.74)	(11,855)	(143,881)	(155,737)	-24.25%
G-51	150.01	129.10	(20.91)	(1,793)	(18,649)	(20,442)	-15.07%
G-42	1,783.57	1,494.65	(288.92)	26,754	(25,136)	1,618	1.26%
G-52	3,420.17	2,714.53	(705.64)	(51,303)	(10,585)	(61,887)	-60.32%
Total C & I	51.75	41.01	(10.74)	(41,501)	(345,231)	(386,732)	-21.11%
Total Company	17.93	14.76	(3.17)	(46,452)	(557,260)	(603,712)	-18.13%

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015-2016 ANNUAL RECONCILIATION
SUPPLIER REFUNDS
 Period Ending April 30, 2016

WINTER SEASON DEMAND - Acct 242.90.10

	BEGINNING BALANCE	REFUND COLLECTIONS	ENDING BALANCE	AVE MONTHLY BALANCE	INTEREST RATE	INTEREST	ENDING BAL W/ INTEREST
	A	B	C = A + B	D = (A + C) / 2	E	F = D * (E / 12)	G = C + F
May 2015	\$ (10,407,511)	24,215	(10,383,296)	(10,395,403)	1.56%	(13,505)	(10,396,801)
June	\$ (10,396,801)	24,214	(10,372,587)	(10,384,694)	1.56%	(13,509)	(10,386,096)
July	\$ (10,386,096)	26,232	(10,359,864)	(10,372,980)	1.56%	(13,511)	(10,373,375)
August	\$ (10,373,375)	24,213	(10,349,162)	(10,361,268)	1.45%	(12,485)	(10,361,647)
September	\$ (10,361,647)	24,191	(10,337,456)	(10,349,552)	1.45%	(12,523)	(10,349,979)
October	\$ (10,349,979)	24,213	(10,325,766)	(10,337,873)	1.45%	(12,449)	(10,338,215)
November	\$ (10,338,215)	1,035,687	(9,302,527)	(9,820,371)	1.45%	(11,899)	(9,314,427)
December	\$ (9,314,427)	1,028,044	(8,286,383)	(8,800,405)	1.59%	(11,653)	(8,298,036)
January 2016	\$ (8,298,036)	1,023,626	(7,274,410)	(7,786,223)	1.68%	(10,875)	(7,285,285)
February	\$ (7,285,285)	1,041,018	(6,244,266)	(6,764,776)	1.68%	(9,471)	(6,253,737)
March	\$ (6,253,737)	1,030,010	(5,223,727)	(5,738,732)	1.69%	(8,063)	(5,231,790)
April	\$ (5,231,790)	813,383	(4,418,406)	(4,825,098)	1.69%	(6,783)	(4,425,190)
Totals		6,119,046				(136,726)	

WINTER SEASON COMMODITY - Acct 242.90.01

	BEGINNING BALANCE	REFUND COLLECTIONS	ENDING BALANCE	AVE MONTHLY BALANCE	INTEREST RATE	INTEREST	ENDING BAL W/ INTEREST
	A	B	C = A + B	D = (A + C) / 2	E	F = D * (E / 12)	G = C + F
May 2015	\$ -	0	0	0	3.25%	0	0
June	\$ 0	0	0	0	3.25%	0	0
July	\$ 0	0	0	0	3.25%	0	0
August	\$ 0	0	0	0	3.25%	0	0
September	\$ 0	0	0	0	3.25%	0	0
October	\$ 0	0	0	0	3.25%	0	0
November	\$ 0	0	0	0	3.25%	0	0
December	\$ 0	0	0	0	3.25%	0	0
January 2016	\$ 0	0	0	0	3.25%	0	0
February	\$ 0	0	0	0	3.25%	0	0
March	\$ 0	0	0	0	3.25%	0	0
April	\$ 0	0	0	0	3.25%	0	0
Totals		0				0	