

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015 SUMMER SEASON COG RECONCILIATION
SCHEDULE 1: SUMMARY OF SUMMER SEASON BALANCE
November 2014 - October 2015

	AMOUNT	
Summer Season Beginning Balance	\$ (470,798)	SCHEDULE 2
May 2015 Adjustment	\$ 92,603	SCHEDULE 2
Less: Reported Collections	\$ (2,159,606)	SCHEDULE 2
Add: Cost of Firm Gas Allowable	\$ 2,574,720	SCHEDULE 4
Add: Interest	\$ (13,658)	SCHEDULE 2
Summer Season Ending Balance	\$ 23,260	

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015 SUMMER SEASON COG RECONCILIATION
SCHEDULE 2: ADJUSTMENTS TO REPORTED SUMMER SEASON ACCOUNTS
November 2014 - October 2015
Acct 191.10

	<u>Nov-14</u>	<u>Dec-14</u>	<u>Jan-15</u>	<u>Feb-15</u>	<u>Mar-15</u>	<u>Apr-15</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>Total</u>
SUMMER SEASON													
Summer Season Account Beginning Balance	\$ (470,798)												\$ (470,798)
Adjustment*	\$ 92,603												\$ 92,603
Adjusted Seasonal Beginning Balance	\$ (378,195)	\$ (541,942)	\$ (539,707)	\$ (540,888)	\$ (542,405)	\$ (543,631)	\$ (545,220)	\$ (695,700)	\$ (451,113)	\$ (309,941)	\$ (118,739)	\$ (43,080)	\$ (378,195)
Plus: Cost of Firm Gas (Schedule 4)	\$ 10,170	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 429,520	\$ 501,366	\$ 323,323	\$ 393,784	\$ 384,663	\$ 531,893	\$ 2,574,720
Less: Reported Collections (Schedule 3)	\$ (172,672)	\$ 3,697	\$ 281	\$ (53)	\$ 243	\$ (116)	\$ (578,323)	\$ (255,228)	\$ (181,121)	\$ (202,003)	\$ (308,785)	\$ (465,527)	\$ (2,159,606)
Summer Season Account Ending Balance	\$ (540,697)	\$ (538,244)	\$ (539,426)	\$ (540,940)	\$ (542,162)	\$ (543,747)	\$ (694,022)	\$ (449,562)	\$ (308,912)	\$ (118,160)	\$ (42,861)	\$ 23,287	\$ 36,918
Month's Average Balance	\$ (459,446)	\$ (540,093)	\$ (539,567)	\$ (540,914)	\$ (542,284)	\$ (543,689)	\$ (619,621)	\$ (572,631)	\$ (380,012)	\$ (214,050)	\$ (80,800)	\$ (9,897)	
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%	3.25%	
Interest Applied	\$ (1,244)	\$ (1,463)	\$ (1,461)	\$ (1,465)	\$ (1,469)	\$ (1,472)	\$ (1,678)	\$ (1,551)	\$ (1,029)	\$ (580)	\$ (219)	\$ (27)	\$ (13,658)
Summer Season Account Ending Balance w/int	\$ (541,942)	\$ (539,707)	\$ (540,888)	\$ (542,405)	\$ (543,631)	\$ (545,220)	\$ (695,700)	\$ (451,113)	\$ (309,941)	\$ (118,739)	\$ (43,080)	\$ 23,260	\$ 23,260

*Adjustment reflects revised ATV costs from May through October 2014.

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015 SUMMER SEASON COG RECONCILIATION
SCHEDULE 3: REVENUE BACKUP TO REPORTED COLLECTIONS
November 2014 - October 2015

	<u>Nov-14</u>	<u>Dec-14</u>	<u>Jan-15</u>	<u>Feb-15</u>	<u>Mar-15</u>	<u>Apr-15</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>Total</u>
Accrued Revenue	\$ (663,191)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 289,862	\$ (142,158)	\$ (63,353)	\$ 3,846	\$ 79,368	\$ 103,519	\$ (392,107)
Billed Revenue	\$ 835,863	\$ (3,697)	\$ (281)	\$ 53	\$ (243)	\$ 116	\$ 288,461	\$ 397,385	\$ 244,474	\$ 198,157	\$ 229,417	\$ 362,009	\$ 2,551,714
Calendarized Revenue	\$ 172,672	\$ (3,697)	\$ (281)	\$ 53	\$ (243)	\$ 116	\$ 578,323	\$ 255,228	\$ 181,121	\$ 202,003	\$ 308,785	\$ 465,527	\$ 2,159,606

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015 SUMMER SEASON COG RECONCILIATION
SCHEDULE 4: PURCHASED GAS COSTS ALLOCATED TO SUMMER SEASON
November 2014 - October 2015

Commodity Costs	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Total Summer Season
Barclays Bank	\$ 68,211	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 68,211
Cairn & Sons	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,115	\$ -	\$ -	\$ -	\$ -	\$ 3,115
Chesapeake Energy Marketing	\$ 33,956	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 33,956
DTE Energy Trading	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 238,283	\$ 269,131	\$ 245,714	\$ 207,465	\$ 232,351	\$ 1,192,943
Emera Energy Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,216	\$ -	\$ -	\$ -	\$ -	\$ 8,216
Sequent Energy Management	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,462	\$ -	\$ -	\$ -	\$ -	\$ 25,462
Shell Energy North America	\$ 280,646	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,510	\$ -	\$ 321,155
Tenaska Marketing Ventures	\$ 153,194	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 153,194
Subtotal - Commodity	\$ 536,007	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 275,076	\$ 269,131	\$ 245,714	\$ 247,974	\$ 232,351	\$ 1,806,253
Granite	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120	\$ 99	\$ 93	\$ 90	\$ 73	\$ 160	\$ 635
Portland	\$ 22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17	\$ 16	\$ 16	\$ 15	\$ 16	\$ 101
Tennessee	\$ 10,315	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,070	\$ 8,961	\$ 8,442	\$ 8,140	\$ 8,497	\$ 53,425
Subtotal - Commodity Transportation	\$ 10,337	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120	\$ 9,185	\$ 9,070	\$ 8,547	\$ 8,228	\$ 8,673	\$ 54,161
Commodity Cost Estimates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 281,047	\$ 349,371	\$ 254,172	\$ 256,110	\$ 240,202	\$ 507,911	\$ 1,888,813
Commodity Cost Reversals	\$ (551,975)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (281,047)	\$ (349,371)	\$ (254,172)	\$ (256,110)	\$ (240,202)	\$ (1,932,877)
Subtotal - Estimates	\$ (551,975)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 281,047	\$ 68,324	\$ (95,199)	\$ 1,938	\$ (15,908)	\$ 267,709	\$ (44,064)
Subtotal - Supply	\$ (5,631)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 281,167	\$ 352,585	\$ 183,002	\$ 256,199	\$ 240,294	\$ 508,733	\$ 1,816,350
Withdrawal - Underground Storage	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54	\$ 13	\$ 252	\$ 147	\$ -	\$ 226	\$ 701
Withdrawal - LNG Vaporization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ATV Reconciliation Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 852	\$ (3,330)	\$ (6,803)	\$ (3,959)	\$ 2,288	\$ 25,688	\$ 14,737
Off System Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (50,801)	\$ (50,801)
Net OBA Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (6,248)	\$ (379)	\$ (5,399)	\$ (816)	\$ (5,378)	\$ (5,620)	\$ (23,840)
LNG Boiloff	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,383	\$ 13,166	\$ 13,006	\$ 11,470	\$ 9,236	\$ 7,500	\$ 68,761
Transportation Charges	\$ 10,171	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (48)	\$ (8,570)	\$ (1,089)	\$ 570	\$ 1,034
Hedging Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Propane	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal - Other Commodity	\$ 10,181	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,041	\$ 9,469	\$ 1,009	\$ (1,727)	\$ 5,057	\$ (22,437)	\$ 10,593
Sales for Resale Estimates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (93,714)	\$ (93,714)
Sales for Resale Reversals	\$ 5,620	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,620
Subtotal - Estimates	\$ 5,620	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (93,714)	\$ (88,094)
Total Commodity Costs	\$ 10,170	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 290,208	\$ 362,054	\$ 184,011	\$ 254,472	\$ 245,352	\$ 392,582	\$ 1,738,849
Demand Costs													
Direct Demand Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 123,333	\$ 123,333	\$ 123,333	\$ 123,333	\$ 123,333	\$ 123,333	\$ 739,996
Miscellaneous Overhead	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,979	\$ 15,979	\$ 15,979	\$ 15,979	\$ 15,979	\$ 15,979	\$ 95,875
Total Demand Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 139,312	\$ 139,312	\$ 139,312	\$ 139,312	\$ 139,312	\$ 139,312	\$ 835,871
Total Gas Costs	\$ 10,170	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 429,520	\$ 501,366	\$ 323,323	\$ 393,784	\$ 384,663	\$ 531,893	\$ 2,574,720

Commodity Volumes:

Total Commodity Volumes

Commodity Costs per Unit:

Total Commodity Costs per unit

<u>Nov-14</u>	<u>Dec-14</u>	<u>Jan-15</u>	<u>Feb-15</u>	<u>Mar-15</u>	<u>Apr-15</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>Summer Season</u>
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NORTHERN UTILITIES, INC. - MAINE DIVISION
2015 SUMMER SEASON COG RECONCILIATION
COST OF GAS ADJUSTMENT - FORM III, Schedule 4 - IN DOLLARS
November 2014 - October 2015

<u>Commodity Costs:</u>	<u>Nov-14</u>	<u>Dec-14</u>	<u>Jan-15</u>	<u>Feb-15</u>	<u>Mar-15</u>	<u>Apr-15</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>Total Summer Season</u>
Barclays Bank	\$ 78,543	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 78,543
Cairn & Sons	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chesapeake Energy Marketing	\$ 39,099	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,099
DTE Energy Trading	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 387,297	\$ 423,613	\$ 442,367	\$ 392,317	\$ 390,407	\$ 2,036,000
Emera Energy Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,354	\$ -	\$ -	\$ -	\$ -	\$ 13,354
Sequent Energy Management	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,385	\$ -	\$ -	\$ -	\$ -	\$ 41,385
Shell Energy North America	\$ 323,153	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 76,604	\$ -	\$ 399,757
Tenaska Marketing Ventures	\$ 176,398	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 176,398
Subtotal - Commodity Supply	\$ 617,193	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 442,035	\$ 423,613	\$ 442,367	\$ 468,921	\$ 390,407	\$ 2,784,536
Granite	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 196	\$ 155	\$ 167	\$ 169	\$ 123	\$ 277	\$ 1,087
Portland	\$ 26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27	\$ 26	\$ 28	\$ 28	\$ 26	\$ 161
Tennessee	\$ 11,877	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,742	\$ 14,105	\$ 15,199	\$ 15,393	\$ 14,277	\$ 85,592
Subtotal - Commodity Transportation	\$ 11,903	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 196	\$ 14,924	\$ 14,298	\$ 15,396	\$ 15,544	\$ 14,581	\$ 86,841
Commodity Cost Estimates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 456,804	\$ 549,911	\$ 457,594	\$ 484,305	\$ 404,684	\$ 877,931	\$ 3,231,229
Commodity Cost Reversals	\$ (635,579)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (456,804)	\$ (549,911)	\$ (457,594)	\$ (484,305)	\$ (404,684)	\$ (2,988,877)
Subtotal - Estimates	\$ (635,579)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 456,804	\$ 93,107	\$ (92,317)	\$ 26,711	\$ (79,621)	\$ 473,247	\$ 242,352
Subtotal - Supply	\$ (6,484)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 457,000	\$ 550,066	\$ 345,593	\$ 484,474	\$ 404,844	\$ 878,234	\$ 3,113,729
Withdrawal - Underground Storage	\$ 12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 87	\$ 20	\$ 454	\$ 279	\$ -	\$ 390	\$ 1,241
Withdrawal - LNG Vaporization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ATV Reconciliation Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Off System Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,385	\$ (5,241)	\$ (12,247)	\$ (7,486)	\$ 3,884	\$ 44,402	\$ 24,697
Net OBA Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (85,359)	\$ (85,359)
LNG Boiloff	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (10,155)	\$ (597)	\$ (9,720)	\$ (1,543)	\$ (9,036)	\$ (9,714)	\$ (40,765)
Transportation Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,377	\$ 20,723	\$ 23,416	\$ 21,690	\$ 15,519	\$ 12,964	\$ 117,689
Hedging Costs	\$ 11,711	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (75)	\$ (15,429)	\$ (2,059)	\$ 958	\$ (4,895)
Propane	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal - Other Commodity	\$ 11,723	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,221	\$ 15,486	\$ 2,348	\$ (1,991)	\$ 8,799	\$ (35,852)	\$ 15,734
Sales for Resale Estimates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (161,985)	\$ (161,985)
Sales for Resale Reversals	\$ 6,472	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,472
Subtotal - Estimates	\$ 6,472	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (161,985)	\$ (155,513)
Total Commodity Costs	\$ 11,711	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 472,221	\$ 565,552	\$ 347,942	\$ 482,484	\$ 413,643	\$ 680,397	\$ 2,973,950
Demand Costs													
Direct Demand Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 129,313	\$ 129,313	\$ 129,314	\$ 129,313	\$ 129,313	\$ 129,313	\$ 775,881
Miscellaneous Overhead	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,847	\$ 4,847	\$ 4,847	\$ 4,847	\$ 4,847	\$ 4,847	\$ 29,081
Total Demand Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 134,160	\$ 134,160	\$ 134,160	\$ 134,160	\$ 134,160	\$ 134,160	\$ 804,961
Total Gas Costs	\$ 11,711	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 606,381	\$ 699,713	\$ 482,102	\$ 616,644	\$ 547,803	\$ 814,558	\$ 3,778,911

Commodity Volumes:

Total Commodity Volumes

Total

Summer Season

Commodity Costs per Unit:

Total Commodity Costs per unit

Total
Summer Season

NORTHERN UTILITIES, INC. - BOTH DIVISIONS
2015 SUMMER SEASON COG RECONCILIATION
COST OF GAS ADJUSTMENT - FORM III, Schedule 4 - IN DOLLARS
November 2014 - October 2015

<u>Commodity Costs:</u>	<u>Nov-14</u>	<u>Dec-14</u>	<u>Jan-15</u>	<u>Feb-15</u>	<u>Mar-15</u>	<u>Apr-15</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>Total Summer Season</u>
Barclays Bank	\$ 146,754	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 146,754
Cairn & Sons	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,115	\$ -	\$ -	\$ -	\$ -	\$ 3,115
Chesapeake Energy Marketing	\$ 73,055	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 73,055
DTE Energy Trading	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 625,580	\$ 692,744	\$ 688,081	\$ 599,782	\$ 622,758	\$ 3,228,944
Emera Energy Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,570	\$ -	\$ -	\$ -	\$ -	\$ 21,570
Sequent Energy Management	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,846	\$ -	\$ -	\$ -	\$ -	\$ 66,846
Shell Energy North America	\$ 603,799	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 117,114	\$ -	\$ 720,913
Tenaska Marketing Ventures	\$ 329,592	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 329,592
Subtotal - Commodity Supply	\$ 1,153,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 717,111	\$ 692,744	\$ 688,081	\$ 716,896	\$ 622,758	\$ 4,590,789
Granite	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 316	\$ 254	\$ 260	\$ 259	\$ 196	\$ 438	\$ 1,722
Portland	\$ 48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 43	\$ 42	\$ 43	\$ 44	\$ 42	\$ 262
Tennessee	\$ 22,191	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,812	\$ 23,066	\$ 23,641	\$ 23,533	\$ 22,774	\$ 139,017
Subtotal - Commodity Transportation	\$ 22,239	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 316	\$ 24,109	\$ 23,368	\$ 23,944	\$ 23,772	\$ 141,002
Commodity Cost Estimates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 737,851	\$ 899,282	\$ 711,766	\$ 740,415	\$ 644,886	\$ 5,120,042
Commodity Cost Reversals	\$ (1,187,554)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (737,851)	\$ (899,282)	\$ (711,766)	\$ (740,415)	\$ (644,886)	\$ (4,921,754)
Subtotal - Estimates	\$ (1,187,554)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 737,851	\$ 161,431	\$ (187,516)	\$ 28,649	\$ (95,529)	\$ 198,288
Subtotal - Supply	\$ (12,114)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 738,167	\$ 902,651	\$ 528,596	\$ 740,673	\$ 645,139	\$ 4,930,079
Withdrawal - Underground Storage	\$ 22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 141	\$ 33	\$ 706	\$ 426	\$ -	\$ 616	\$ 1,943
Withdrawal - LNG Vaporization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ATV Reconciliation Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,238	\$ (8,571)	\$ (19,050)	\$ (11,444)	\$ 6,171	\$ 70,090	\$ 39,434
Off System Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (136,160)	\$ (136,160)
Net OBA Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (16,403)	\$ (977)	\$ (15,119)	\$ (2,358)	\$ (14,413)	\$ (15,334)	\$ (64,605)
LNG Boiloff	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,760	\$ 33,889	\$ 36,422	\$ 33,160	\$ 24,755	\$ 20,465	\$ 186,450
Transportation Charges	\$ 21,882	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (123)	\$ (23,999)	\$ (3,148)	\$ 1,528	\$ (3,861)
Hedging Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Propane	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 527	\$ 581	\$ 521	\$ 498	\$ 491	\$ 507	\$ 3,125
Subtotal - Other Commodity	\$ 21,903	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,262	\$ 24,956	\$ 3,357	\$ (3,718)	\$ 13,856	\$ (58,289)	\$ 26,327
Sales for Resale Estimates													
Sales for Resale Reversals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (255,699)	\$ (255,699)
Subtotal - Estimates	\$ 12,092	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,092
	\$ 12,092	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (255,699)	\$ (243,607)
Total Commodity Costs	\$ 21,881	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 762,429	\$ 927,607	\$ 531,952	\$ 736,955	\$ 658,995	\$ 1,072,979	\$ 4,712,798
Demand Costs													
Direct Demand Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 252,646	\$ 252,646	\$ 252,646	\$ 252,646	\$ 252,646	\$ 252,646	\$ 1,515,876
Miscellaneous Overhead	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,826	\$ 20,826	\$ 20,826	\$ 20,826	\$ 20,826	\$ 20,826	\$ 124,956
Total Demand Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 273,472	\$ 273,472	\$ 273,472	\$ 273,472	\$ 273,472	\$ 273,472	\$ 1,640,832
Total Costs	\$ 21,881	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,035,901	\$ 1,201,079	\$ 805,425	\$ 1,010,427	\$ 932,467	\$ 1,346,451	\$ 6,353,631

Commodity Volumes:

Total Commodity Volumes

**Total
Summer Season**

Commodity Costs per Unit:

Total Commodity Costs per unit

Total

Summer Season

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2015 SUMMER SEASON COG RECONCILIATION
SCHEDULE 5: PURCHASED AND MADE VOLUMES
November 2014 - October 2015

<i>New Hampshire</i>	<u>Nov-14</u>	<u>Dec-14</u>	<u>Jan-15</u>	<u>Feb-15</u>	<u>Mar-15</u>	<u>Apr-15</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>Total</u>
Throughput IN													
<i>BTU Factor</i>	1.028	1.032	1.038	1.04	1.033	1.029	1.029	1.028	1.027	1.028	1.027	1.030	
<i>GST Meter Throughput (MCF)</i>	732,361	900,908	1,196,940	1,180,897	1,001,995	615,556	376,431	361,552	336,560	333,344	351,337	531,243	7,919,124
<i>Salem Meter (MCF)</i>	43,867	59,116	83,871	85,696	66,078	32,039	14,557	12,565	10,691	10,918	11,600	23,646	454,644
<i>GST Meter Throughput (DTH)</i>	752,867	929,737	1,242,424	1,228,133	1,035,061	633,407	387,347	371,675	345,647	342,678	360,823	547,180	8,176,980
<i>Salem Meter (DTH)</i>	45,095	61,008	87,058	89,124	68,259	32,968	14,979	12,917	10,980	11,224	11,913	24,355	469,880
<i>LNG/Propane</i>													-
<i>Total Throughput</i>	797,962	990,745	1,329,482	1,317,257	1,103,319	666,375	402,327	384,592	356,627	353,901	372,736	571,536	8,646,859
Throughput OUT													
<i>Residential Gas</i>													
Charged	123,697	237,569	323,308	386,936	328,732	214,074	84,367	52,812	37,546	33,444	34,545	59,775	1,916,805
Uncharged Current	132,335	179,357	185,433	182,273	157,295	69,627	60,434	28,188	20,985	22,048	44,509	81,401	1,163,883
Uncharged Prior	(63,900)	(132,335)	(179,357)	(185,433)	(182,273)	(157,295)	(69,627)	(60,434)	(28,188)	(20,985)	(22,048)	(44,509)	(1,146,383)
Total Residential Gas	192,132	284,591	329,384	383,776	303,755	126,406	75,174	20,566	30,343	34,507	57,006	96,667	1,934,306
Interruptible	-	-	-	-	-	-	-	-	-	-	-	-	-
<u><i>Commercial/Industrial Gas</i></u>													
Charged	151,660	289,851	400,372	489,550	385,211	245,453	104,967	79,431	53,967	48,384	60,351	84,484	2,393,681
Uncharged Current	145,948	213,753	226,055	230,028	187,668	86,214	73,159	42,396	30,163	31,897	50,553	88,642	1,406,476
Uncharged Prior	(61,255)	(145,948)	(213,753)	(226,055)	(230,028)	(187,668)	(86,214)	(73,159)	(42,396)	(30,163)	(31,897)	(50,553)	(1,379,089)
Total C/I Gas	236,352	357,657	412,674	493,522	342,852	143,999	91,912	48,668	41,734	50,118	79,007	122,574	2,421,068
<i>Transportation</i>													
Charged	335,994	392,007	453,727	454,504	479,889	377,945	274,036	274,115	286,042	246,513	268,368	319,883	4,163,023
Uncharged Current	211,590	210,011	206,006	180,399	194,103	119,357	124,816	96,572	108,407	100,793	123,959	192,485	1,868,497
Uncharged Prior	(128,845)	(211,590)	(210,011)	(206,006)	(180,399)	(194,103)	(119,357)	(124,816)	(96,572)	(108,407)	(100,793)	(123,959)	(1,804,857)
Total Transportation	418,739	390,427	449,722	428,898	493,593	303,200	279,495	245,871	297,877	238,899	291,534	388,410	4,226,663
Company Use	112	233	349	415	373	237	98	72	58	117	136	89	2,289
Total Throughput OUT	847,336	1,032,908	1,192,129	1,306,611	1,140,572	573,841	446,679	315,177	370,012	323,641	427,682	607,739	8,584,325
Total Throughput IN	797,962	990,745	1,329,482	1,317,257	1,103,319	666,375	402,327	384,592	356,627	353,901	372,736	571,536	8,646,859
Difference IN/OUT %	(49,373)	(42,163)	137,353	10,646	(37,252)	92,535	(44,352)	69,415	(13,385)	30,260	(54,946)	(36,203)	62,534 0.72%

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
DEFERRED SUMMER SEASON WORKING CAPITAL ALLOWANCE ON PURCHASED GAS COSTS
November 2014 - October 2015

SUMMER SEASON - Acct 182.21

	<u>BEGINNING</u> <u>BALANCE</u>	<u>WORKING CAP</u> <u>ALLOWANCE (2)</u>	<u>WORKING CAP</u> <u>PERCENTAGE</u>	<u>WORKING CAP</u> <u>COLLECTIONS</u>	<u>WORKING CAP</u> <u>DEFERRED</u>	<u>ENDING</u> <u>BALANCE</u>	<u>AVE MONTHLY</u> <u>BALANCE</u>	<u>INTEREST</u> <u>RATE</u>	<u>INTEREST</u>	<u>ENDING BAL</u> <u>W/ INTEREST</u>
	A	B	C	D	E = B + D	F = A + E	G = (A + F) / 2	H	I = G * (H / 12)	J = F + I
Initial November 2014	\$ (387)									
Adjustment (1)	\$ 76									
Revised Beginning Balance	\$ (311)	8	0.0824%	(144)	(135)	(446)	(378)	3.25%	(1)	(447)
December	\$ (447)	0	0.0824%	3	3	(444)	(445)	3.25%	(1)	(445)
January 2015	\$ (445)	0	0.0824%	0	0	(444)	(445)	3.25%	(1)	(446)
February	\$ (446)	0	0.0824%	(0)	(0)	(446)	(446)	3.25%	(1)	(447)
March	\$ (447)	0	0.0824%	0	0	(447)	(447)	3.25%	(1)	(448)
April	\$ (448)	0	0.0824%	(0)	(0)	(448)	(448)	3.25%	(1)	(449)
May	\$ (449)	354	0.0824%	(543)	(189)	(638)	(544)	3.25%	(1)	(640)
June	\$ (640)	413	0.0824%	(256)	157	(483)	(561)	3.25%	(2)	(484)
July	\$ (484)	266	0.0824%	(168)	99	(385)	(435)	3.25%	(1)	(386)
August	\$ (386)	324	0.0824%	(228)	97	(290)	(338)	3.25%	(1)	(291)
September	\$ (291)	317	0.0824%	(355)	(38)	(329)	(310)	3.25%	(1)	(329)
October	\$ (329)	438	0.0824%	(539)	(100)	(430)	(379)	3.25%	(1)	(431)

(1) Adjustment reflects updated commodity costs due to revised ATV costs for May through October 2014.

(2) Working Capital Allowance calculated by taking monthly Total Gas Costs from Sch 4, page 1 of 9, and multiplying by (9.25/365)*Interest Rate.

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
SUMMER SEASON BAD DEBT EXPENSE - CALCULATION OF COLLECTION ALLOWANCE
November 2014 - October 2015

SUMMER SEASON- Acct 182.22

	<u>BEGINNING BALANCE</u>	<u>ACUTAL BAD DEBT</u>	<u>BAD DEBT COLLECTIONS</u>	<u>BAD DEBT DEFERRED BALANCE</u>	<u>ENDING BALANCE</u>	<u>AVE MO BALANCE</u>	<u>INTEREST RATE</u>	<u>INTEREST</u>	<u>END BAL W/ INTEREST</u>
	A	B	C	D = B + C	E = A + D	F = (A + E) / 2	G	H = (F * G) / 12	I = E + H
November 2014	\$921	4,310	(731)	3,578	4,499	2,710	3.25%	7	4,506
December	\$4,506	1,675	17	1,692	6,198	5,352	3.25%	14	6,213
January 2015	\$6,213	719	0	720	6,932	6,573	3.25%	18	6,950
February	\$6,950	1,626	(0)	1,626	8,576	7,763	3.25%	21	8,597
March	\$8,597	618	1	619	9,216	8,907	3.25%	24	9,240
April	\$9,240	740	(1)	739	9,980	9,610	3.25%	26	10,006
May	\$10,006	838	(7,639)	(6,801)	3,205	6,605	3.25%	18	3,223
June	\$3,223	732	(3,623)	(2,891)	332	1,777	3.25%	5	337
July	\$337	1,701	(3,151)	(1,450)	(1,114)	(388)	3.25%	(1)	(1,115)
August	(\$1,115)	2,374	(3,424)	(1,050)	(2,164)	(1,639)	3.25%	(4)	(2,169)
September	(\$2,169)	1,408	(5,131)	(3,722)	(5,891)	(4,030)	3.25%	(11)	(5,902)
October	(\$5,902)	662	(7,508)	(6,846)	(12,748)	(9,325)	3.25%	(25)	(12,773)

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
SALES VARIANCE ANALYSIS
SUMMER SEASON 2015

	<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>TOTAL</u>
Forecast Bill Month Sales	226,863	133,248	81,610	84,149	84,225	127,036	737,131
Actual Sales	189,334	132,243	91,513	81,828	94,895	144,258	734,072
Difference	(37,529)	(1,005)	9,903	(2,321)	10,670	17,222	(3,059)
Add:	-	-	-	-	-	-	
Volume Variance due to Weather							
Normal Cal. Month Actual Sales							-
Actual Sales	189,334	132,243	91,513	81,828	94,895	144,258	734,072
Weather Variance	(189,334)	(132,243)	(91,513)	(81,828)	(94,895)	(144,258)	(734,072)
Total Variance Excluding Weather (excl weather effect)	(226,863)	(133,248)	(81,610)	(84,149)	(84,225)	(127,036)	(737,131)
Variance-difference due to meter count							121,396
-difference in load pattern							(124,518)
SALES							(3,122)

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
SALES VARIANCE ANALYSIS
SUMMER SEASON 2015

	<u>NORMAL MMBtu</u>			<u>METERS</u>		
	2015 Forecast	2015 Actual	Difference	2015 Forecast	2015 Actual	Difference
Res Heat	321,358	292,468	(28,890)	135,735	137,452	1,717
Res General	9,533	10,020	487	9,911	8,867	(1,044)
Total Res	330,891	302,488	(28,403)	145,646	146,319	673
G-40	117,029	91,810	(25,219)	25,371	25,346	(25)
G-50	58,970	65,958	6,988	4,404	4,652	248
G-41	120,602	106,722	(13,880)	2,100	2,692	592
G-51	79,925	86,823	6,898	719	849	130
G-42	15,834	25,565	9,731	29	83	54
G-52	13,943	54,705	40,762	6	22	16
Total C & I	406,303	431,584	25,281	32,629	33,644	1,015
Total Company	737,194	734,072	(3,122)	178,275	179,963	1,688

	<u>NORMAL AVERAGE USE</u>			<u>Change in Sales Due to Change In:</u>		<u>Total Chg MMBtu</u>	<u>% Difference</u>
	2015 Forecast	2015 Actual	Difference	<u>Meter Count</u>	<u>Load Pattern</u>		
Res Heat	2.37	2.13	(0.24)	4,066	(32,956)	(28,890)	-8.99%
Res General	0.96	1.13	0.17	(1,004)	1,491	487	5.11%
Total Res	3.33	3.26	(0.07)	3,062	(31,465)	(28,403)	-8.58%
G-40	4.61	3.62	(0.99)	(116)	(25,103)	(25,219)	-21.55%
G-50	13.39	14.18	0.79	3,317	3,671	6,988	11.85%
G-41	57.43	39.64	(17.78)	33,995	(47,874)	(13,880)	-11.51%
G-51	111.19	102.27	(8.92)	14,473	(7,575)	6,898	8.63%
G-42	546.00	308.01	(237.99)	29,484	(19,753)	9,731	61.45%
G-52	2,323.83	2,486.61	162.78	37,181	3,581	40,762	292.35%
Total C & I	12.45	12.83	0.38	118,334	(93,053)	25,281	6.22%
Total Company	4.14	4.08	(0.06)	121,396	(124,518)	(3,122)	-0.42%

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2014-2015 ANNUAL RECONCILIATION
SUPPLIER REFUNDS
Period Ending October 31, 2015

ANNUAL DEMAND - Acct 242.90.10

	BEGINNING BALANCE	REFUND ADDITIONS	REFUND COLLECTIONS ⁽¹⁾	ENDING BALANCE	AVE MONTHLY BALANCE	INTEREST RATE ⁽²⁾	INTEREST	ENDING BAL W/ INTEREST
	A	B	C	D = A + B + C	E = (A + D) / 2	F	G = E * (F / 12)	H = D + G
November 2014*	\$ (1,685)	\$ -	21,159	19,475	8,895	3.25%	24	19,499
December	\$ 19,499	\$ -	(94)	19,405	19,452	3.25%	53	19,457
January 2015	\$ 19,457	\$ -	(62)	19,395	19,426	3.25%	53	19,448
February	\$ 19,448	\$ -	(3)	19,445	19,446	3.25%	53	19,498
March	\$ 19,498	\$ -	(28)	19,469	19,483	3.25%	53	19,522
April	\$ 19,522	\$ (10,420,309)	3	(10,400,784)	(5,190,631)	1.56%	(6,726)	(10,407,511)
May	\$ (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)
Totals			168,252				(84,473)	

*Reflects initial balance of \$0 plus additional interest of (\$1,685).

Interest charge related to timing differences in the transfer of October 31, 2014 balance to the Demand and Commodity account.

(1): Refund Collections from May through October reflect transfer of PNGTS refund dollars to the Demand and Commodity account in accordance with Order No. 25,836 in Docket No. 15-393.

(2): Interest Charge on Supplier Refund resulting from PNGTS rate case is calculated at the Company's short term borrowing rate effective April 1, 2015, per Order No. 26,836 in Docket No. DG 15 393.

ANNUAL COMMODITY - Acct 242.90.01

	BEGINNING BALANCE	REFUND ADDITIONS	REFUND COLLECTIONS	ENDING BALANCE	AVE MONTHLY BALANCE	INTEREST RATE	INTEREST	ENDING BAL W/ INTEREST
	A	B	C	D = A + B + C	E = (A + D) / 2	F	G = E * (F / 12)	H = D + G
November 2014*	\$ -	-	-	0	0	3.25%	0	0
December	\$ -	-	0	0	0	3.25%	0	0
January 2015	\$ -	-	0	0	0	3.25%	0	0
February	\$ -	-	0	0	0	3.25%	0	0
March	\$ -	-	0	0	0	3.25%	0	0
April	\$ -	-	0	0	0	3.25%	0	0
May	\$ -	-	0	0	0	3.25%	0	0
June	\$ -	-	0	0	0	3.25%	0	0
July	\$ -	-	0	0	0	3.25%	0	0
August	\$ -	-	0	0	0	3.25%	0	0
September	\$ -	-	0	0	0	3.25%	0	0
October	\$ -	-	0	0	0	3.25%	0	0
Totals			0				0	