

Northern Utilities, Inc.
Firm Sendout vs. End-Use Volumes
12 Mos December 2005

Attachment A

	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Total
New Hampshire													
Throughput IN													
<i>BTU Factor</i>	1.036	1.037	1.037	1.03	1.032	1.035	1.049	1.049	1.048	1.045	1.051	1.053	
<i>Granite State Throughput (MCF)</i>	1,009,705	790,350	779,431	470,204	420,712	271,915	245,461	222,580	257,547	395,690	538,721	803,947	6,206,263
<i>Salem Meter (MCF)</i>	76,494	56,632	53,267	24,436	20,854	10,170	8,508	8,500	8,767	19,750	33,622	59,783	380,783
<i>Granite State Throughput (DTH)</i>	1,046,054	819,593	808,270	484,310	434,175	281,432	257,489	233,486	269,909	413,496	566,196	846,556	6,460,966
<i>Salem Meter (DTH)</i>	76,063	58,116	54,712	25,095	21,449	10,490	8,920	8,916	9,202	20,658	35,292	62,008	390,921
<i>LNG/Propane</i>													0
<i>Total Throughput</i>	1,122,117	877,709	862,982	509,405	455,624	291,922	266,409	242,402	279,111	434,154	601,488	908,564	6,851,887
Throughput Out													
<u><i>Residential Gas</i></u>													
Charged	283,450	315,569	257,021	196,988	113,052	85,868	43,988	34,414	36,262	42,104	107,473	194,622	1,710,811
Uncharged Current	234,944	-55,903	172,352	99,204	83,758	36,246	30,282	31,986	33,386	79,653	120,619	194,141	1,060,668
Uncharged Prior	-191,977	0	-179,041	-172,352	-99,204	-83,758	-36,246	-30,282	-31,986	-33,386	-79,653	-120,619	-1,058,504
Total Residential Gas	326,417	259,666	250,332	123,840	97,606	38,356	38,024	36,118	37,662	88,371	148,439	268,144	1,712,975
Interruptible	14	5	0	225	2,372	674	1	0	0	1,481	3,420	9,390	17,582
<u><i>Commercial/Industrial Gas</i></u>													
Charged	444,076	467,441	418,888	274,381	166,119	118,160	78,680	71,484	75,294	93,320	194,672	303,692	2,706,207
Uncharged Current	266,972	-61,152	188,982	110,846	93,810	52,922	46,271	50,450	50,120	93,301	136,192	208,724	1,237,438
Uncharged Prior	-211,786	0	-205,820	-188,982	-110,846	-93,810	-52,922	-46,271	-50,450	-50,120	-93,301	-136,192	-1,240,500
Total C/I Gas	499,262	406,289	402,050	196,245	149,083	77,272	72,029	75,663	74,964	136,501	237,563	376,224	2,703,145
<u><i>Transportation</i></u>													
Charged	294,831	186,302	225,402	228,417	196,377	184,748	162,763	151,782	177,437	145,754	199,602	217,044	2,370,459
Uncharged Current	229,151	173,283	219,607	180,231	180,038	157,784	148,649	153,730	139,476	185,497	192,991	216,603	2,177,040
Uncharged Prior	-201,801	-199,492	-202,942	-219,607	-180,231	-180,038	-157,784	-148,649	-153,730	-139,476	-185,497	-192,991	-2,162,238
Total Transportation	322,181	160,093	242,067	189,041	196,184	162,494	153,628	156,863	163,183	191,775	207,096	240,656	2,385,261
Company Use	3,336	3,608	2,976	2,259	1,103	743	987	1,333	1,649	1,135	1,134	2,350	22,613
Total Throughput OUT	1,151,210	829,661	897,425	511,610	446,348	279,539	264,669	269,977	277,458	419,263	597,652	896,764	6,841,576
Total Throughput IN	1,122,117	877,709	862,982	509,405	455,624	291,922	266,409	242,402	279,111	434,154	601,488	908,564	6,851,887
Diff IN/OUT	-29,093	48,048	-34,443	-2,205	9,276	12,383	1,740	-27,575	1,653	14,891	3,836	11,800	10,311
%	-2.59%	5.47%	-3.99%	-0.43%	2.04%	4.24%	0.65%	-11.38%	0.59%	3.43%	0.64%	1.30%	0.15%

Northern Utilities, Inc. - New Hampshire Division
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Attachment B

	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Total
New Hampshire													
Throughput IN													
<i>BTU Factor</i>	1.045	1.044	1.04	1.041	1.045	1.041	1.054	1.051	1.045	1.047	1.051	1.037	
<i>Granite State Throughput (MCF)</i>	764,107	766,695	694,307	429,855	369,215	313,499	265,360	301,791	302,415	403,406	525,120	730,057	5,865,827
<i>Salem Meter (MCF)</i>	55,299	54,858	45,545	23,364	16,769	9,633	7,795	8,628	9,783	18,140	26,221	43,352	319,387
<i>Granite State Throughput (DTH)</i>	798,492	800,430	722,079	447,479	385,830	326,352	279,689	317,182	316,024	422,366	551,901	757,069	6,124,894
<i>Salem Meter (DTH)</i>	57,285	56,790	46,944	24,264	17,637	9,998	8,211	9,079	10,157	18,796	27,526	44,721	331,408
<i>LNG/Propane</i>													0
<i>Total Throughput</i>	855,777	857,220	769,023	471,743	403,467	336,350	287,900	326,261	326,181	441,162	579,427	801,790	6,456,302
Throughput Out													
<u><i>Residential Gas</i></u>													
Charged	275,698	231,635	260,752	176,939	93,486	69,224	39,080	32,295	38,071	49,404	105,133	151,294	1,523,011
Uncharged Current	159,743	183,016	142,318	87,857	54,895	29,550	27,764	34,179	39,088	75,408	93,584	143,355	1,070,757
Uncharged Prior	-194,141	-159,743	-183,016	-142,318	-87,857	-54,895	-29,550	-27,764	-34,179	-39,088	-75,408	-93,584	-1,121,543
Total Residential Gas	241,300	254,908	220,054	122,478	60,524	43,879	37,294	38,710	42,980	85,724	123,309	201,065	1,472,225
Interruptible	-8,449	0	0	740	490	169	20	1	1	440	2,128	98	-4,362
<u><i>Commercial/Industrial Gas</i></u>													
Charged	394,162	423,845	416,620	252,908	180,312	130,645	79,894	75,215	82,611	94,684	176,508	216,267	2,523,671
Uncharged Current	459,693	194,581	177,586	119,869	85,355	51,259	41,338	47,407	46,915	82,984	92,725	154,566	1,554,278
Uncharged Prior	-208,724	-459,693	-194,581	-177,586	-119,869	-85,355	-51,259	-41,338	-47,407	-46,915	-82,984	-92,725	-1,608,436
Total C/I Gas	645,131	158,733	399,625	195,191	145,798	96,549	69,973	81,284	82,119	130,753	186,249	278,108	2,469,513
<u><i>Transportation</i></u>													
Charged	242,574	188,575	197,045	200,939	154,518	113,435	217,477	167,122	213,724	206,320	209,904	253,771	2,365,404
Uncharged Current	164,556	171,418	91,576	145,008	143,081	171,869	162,090	200,162	196,811	190,202	223,563	264,586	2,124,922
Uncharged Prior	-216,603	-164,556	-171,418	-91,576	-145,008	-143,081	-171,869	-162,090	-200,162	-196,811	-190,202	-223,563	-2,076,939
Total Transportation	190,527	195,437	117,203	254,371	152,591	142,223	207,698	205,194	210,373	199,711	243,265	294,794	2,413,387
Company Use	3,725	3,131	3,264	2,256	1,022	655	833	1,358	175	923	1,453	1,720	20,515
Total Throughput OUT	1,072,234	612,209	740,146	575,036	360,425	283,475	315,818	326,547	335,648	417,551	556,404	775,785	6,371,278
Total Throughput IN	855,777	857,220	769,023	471,743	403,467	336,350	287,900	326,261	326,181	441,162	579,427	801,790	6,456,302
Diff IN/OUT	-216,457	245,011	28,877	-103,293	43,042	52,875	-27,918	-286	-9,467	23,611	23,023	26,005	85,024
%	-25.29%	28.58%	3.76%	-21.90%	10.67%	15.72%	-9.70%	-0.09%	-2.90%	5.35%	3.97%	3.24%	1.32%

Northern Utilities, Inc. - New Hampshire Division
Firm Sendout vs. End-Use Volumes

Attachment C

	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	Total
New Hampshire														
Throughput IN														
<i>BTU Factor</i>	1.041	1.045	1.041	1.054	1.051	1.045	1.047	1.051	1.037	1.027	1.044	1.051	1.062	
<i>GST Meter Throughput (MCF)</i>	429,855	369,215	313,499	265,360	301,791	302,415	403,406	525,120	730,057	959,240	972,142	811,645	584,700	6,538,590
<i>Salem Meter (MCF)</i>	23,364	16,769	9,633	7,795	8,628	9,783	18,140	26,221	43,352	58,383	62,184	47,019	29,813	337,720
<i>GST Meter Throughput (DTH)</i>	447,479	385,830	326,352	279,689	317,182	316,024	422,366	551,901	757,069	985,139	1,014,916	853,039	620,951	6,830,460
<i>Salem Meter (DTH)</i>	24,264	17,637	9,998	8,211	9,079	10,157	18,796	27,526	44,721	59,914	64,741	49,196	31,539	351,515
<i>LNG/Propane</i>														0
<i>Total Throughput</i>	471,743	403,467	336,350	287,900	326,261	326,181	441,162	579,427	801,790	1,045,053	1,079,657	902,235	652,490	7,181,975
Throughput OUT														
<i>Residential Gas</i>														
Charged	176,939	93,486	69,224	39,080	32,295	38,071	49,404	105,133	151,294	212,574	317,926	291,086	197,032	1,596,605
Uncharged Current	87,857	54,895	29,550	27,764	34,179	39,088	75,408	93,584	143,355	200,289	191,553	148,163	104,309	1,142,137
Uncharged Prior	-142,318	-87,857	-54,895	-29,550	-27,764	-34,179	-39,088	-75,408	-93,584	-143,355	-200,289	-191,553	-148,163	-1,125,685
Total Residential Gas	122,478	60,524	43,879	37,294	38,710	42,980	85,724	123,309	201,065	269,508	309,190	247,696	153,178	1,613,057
Interruptible	740	490	169	20	1	1	440	2,128	98	14	3	0	2	3,366
<i>Commercial/Industrial Gas</i>														
Charged	252,908	180,312	130,645	79,894	75,215	82,611	94,684	176,508	216,267	319,615	450,004	396,073	259,283	2,461,111
Uncharged Current	119,869	85,355	51,259	41,338	47,407	46,915	82,984	92,725	154,566	197,626	183,412	145,287	93,299	1,222,173
Uncharged Prior	-177,586	-119,869	-85,355	-51,259	-41,338	-47,407	-46,915	-82,984	-92,725	-154,566	-197,626	-183,412	-145,287	-1,248,743
Total C/I Gas	195,191	145,798	96,549	69,973	81,284	82,119	130,753	186,249	278,108	362,675	435,790	357,948	207,295	2,434,541
<i>Transportation</i>														
Charged	200,939	154,518	113,435	217,477	167,122	213,724	206,320	209,904	253,771	298,805	354,840	329,934	327,862	2,847,712
Uncharged Current	145,008	143,081	171,869	162,090	200,162	196,811	190,202	223,563	264,586	324,283	286,663	283,897	251,544	2,698,751
Uncharged Prior	-91,576	-145,008	-143,081	-171,869	-162,090	-200,162	-196,811	-190,202	-223,563	-264,586	-324,283	-286,663	-283,897	-2,592,215
Total Transportation	254,371	152,591	142,223	207,698	205,194	210,373	199,711	243,265	294,794	358,502	317,220	327,168	295,509	2,954,248
Company Use	2256	1,022	655	833	1,358	175	923	1,453	1,720	2,249	3,489	3,011	2,129	19,017
Total Throughput OUT	575,036	360,425	283,475	315,818	326,547	335,648	417,551	556,404	775,785	992,948	1,065,692	935,823	658,113	7,024,229
Total Throughput IN	471,743	403,467	336,350	287,900	326,261	326,181	441,162	579,427	801,790	1,045,053	1,079,657	902,235	652,490	7,181,975
Difference IN/OUT	-103,293	43,042	52,875	-27,918	-286	-9,467	23,611	23,023	26,005	52,105	13,965	-33,588	-5,623	157,746
%	-21.90%	10.67%	15.72%	-9.70%	-0.09%	-2.90%	5.35%	3.97%	3.24%	4.99%	1.29%	-3.72%	-0.86%	2.20%

Northern Utilities, Inc. - New Hampshire Division
Firm Sendout vs. End-Use Volumes

Attachment D

		Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Total
New Hampshire															
Throughput IN															
<i>BTU Factor</i>		1.047	1.051	1.037	1.027	1.044	1.051	1.062	1.076	1.063	1.056	1.054	1.071	1.051	
<i>GST Meter Throughput (MCF)</i>		403,406	525,120	730,057	959,240	972,142	811,645	584,700	359,173	298,747	298,063	310,547	322,053	417,810	6,589,297
<i>Salem Meter (MCF)</i>		18,140	26,221	43,352	58,383	62,184	47,019	29,813	12,549	8,941	8,124	8,324	8,978	13,342	327,230
<i>GST Meter Throughput (DTH)</i>		422,366	551,901	757,069	985,139	1,014,916	853,039	620,951	386,470	317,568	314,755	327,317	344,919	439,118	6,913,163
<i>Salem Meter (DTH)</i>		18,796	27,526	44,721	59,914	64,741	49,196	31,539	13,515	9,521	8,581	8,483	9,626	14,022	341,385
<i>LNG/Propane</i>															0
<i>Total Throughput</i>		441,162	579,427	801,790	1,045,053	1,079,657	902,235	652,490	399,985	327,089	323,336	335,800	354,545	453,141	7,254,548
Throughput OUT															
<i>Residential Gas</i>															
<i>Charged</i>		49,404	105,133	151,294	212,574	317,926	291,086	197,032	121,593	58,951	39,998	34,757	38,744	39,808	1,608,896
<i>Uncharged Current</i>		75,408	93,584	143,355	200,289	191,553	148,163	104,309	52,541	31,249	28,952	30,996	35,772	55,750	1,116,513
<i>Uncharged Prior</i>		-39,088	-75,408	-93,584	-143,355	-200,289	-191,553	-148,163	-104,309	-52,541	-31,249	-28,952	-30,996	-35,772	-1,136,171
Total Residential Gas		85,724	123,309	201,065	269,508	309,190	247,696	153,178	69,825	37,659	37,701	36,801	43,520	59,786	1,589,238
Interruptible		440	2,128	98	14	3	0	2	43	4	17	3	2	184	2,498
<u><i>Commercial/Industrial Gas</i></u>															
<i>Charged</i>		94,684	176,508	216,267	319,615	450,004	396,073	259,283	148,536	85,352	73,934	64,670	72,582	77,881	2,340,705
<i>Uncharged Current</i>		82,984	92,725	154,566	197,626	183,412	145,287	93,299	56,373	41,288	38,453	40,940	42,612	57,123	1,143,704
<i>Uncharged Prior</i>		-46,915	-82,984	-92,725	-154,566	-197,626	-183,412	-145,287	-93,299	-56,373	-41,288	-38,453	-40,940	-42,612	-1,169,565
Total C/I Gas		130,753	186,249	278,108	362,675	435,790	357,948	207,295	111,610	70,267	71,099	67,157	74,254	92,392	2,314,844
<i>Transportation</i>															
<i>Charged</i>		206,320	209,904	253,771	298,805	354,840	329,934	327,862	266,780	228,444	213,120	218,129	234,376	247,578	3,183,543
<i>Uncharged Current</i>		190,202	223,563	264,586	324,283	286,663	283,897	251,544	217,788	203,436	208,296	122,848	229,341	265,328	2,881,573
<i>Uncharged Prior</i>		-196,811	-190,202	-223,563	-264,586	-324,283	-286,663	-283,897	-251,544	-217,788	-203,436	-208,296	-122,848	-229,341	-2,806,447
Total Transportation		199,711	243,265	294,794	358,502	317,220	327,168	295,509	233,024	214,092	217,980	132,681	340,869	283,565	3,258,669
Company Use		923	1,453	1,720	2,249	3,489	3,011	2,129	1,326	621	311	591	746	573	18,219
Total Throughput OUT		417,551	556,404	775,785	992,948	1,065,692	935,823	658,113	415,828	322,643	327,108	237,233	459,391	436,500	7,183,468
Total Throughput IN		441,162	579,427	801,790	1,045,053	1,079,657	902,235	652,490	399,985	327,089	323,336	335,800	354,545	453,141	7,254,548
Difference IN/OUT		23,611	23,023	26,005	52,105	13,965	-33,588	-5,623	-15,843	4,446	-3,772	98,567	-104,846	16,641	71,080
%		5.35%	3.97%	3.24%	4.99%	1.29%	-3.72%	-0.86%	-3.96%	1.36%	-1.17%	29.35%	-29.57%	3.67%	0.98%

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Attachment E

**New Hampshire
Throughput IN**

	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Dec-07	<u>Total</u>
<i>BTU Factor</i>	1.027	1.044	1.051	1.062	1.076	1.063	1.056	1.054	1.071	1.051	1.06	1.046	
<i>Granite State Throughput (MCF)</i>	959,240	972,142	811,645	584,700	359,173	298,747	298,063	310,547	322,053	417,810	642,939	918,921	6,895,980
<i>Salem Meter (MCF)</i>	58,383	62,184	47,019	29,813	12,549	8,941	8,124	8,324	8,978	13,342	34,387	57,760	349,804
<i>Granite State Throughput (DTH)</i>	985,139	1,014,916	853,039	620,951	386,470	317,568	314,755	327,317	344,919	439,118	681,515	961,191	7,246,899
<i>Salem Meter (DTH)</i>	59,914	64,741	49,196	31,539	13,515	9,521	8,581	8,483	9,626	14,022	36,450	60,417	366,006
<i>LNG/Propane</i>													0
<i>Total Throughput</i>	1,045,053	1,079,657	902,235	652,490	399,985	327,089	323,336	335,800	354,545	453,141	717,966	1,021,608	7,612,905

Throughput Out

<u><i>Residential Gas</i></u>													
Charged	212,574	317,926	291,086	197,032	121,593	58,951	39,998	34,757	38,744	39,808	92,864	220,057	1,665,390
Uncharged Current	200,289	191,553	148,163	104,309	52,541	31,249	28,952	30,996	35,772	55,750	123,898	190,794	1,194,266
Uncharged Prior	-143,355	-200,289	-191,553	-148,163	-104,309	-52,541	-31,249	-28,952	-30,996	-35,772	-55,750	-123,898	-1,146,827
Total Residential Gas	269,508	309,190	247,696	153,178	69,825	37,659	37,701	36,801	43,520	59,786	161,012	286,953	1,712,829
Interruptible	14	3	0	2	43	4	17	3	2	184	4,833	5	5,110
<u><i>Commercial/Industrial Gas</i></u>													
Charged	319,615	450,004	396,073	259,283	148,536	85,352	73,934	64,670	72,582	77,881	149,073	304,727	2,401,730
Uncharged Current	197,626	183,412	145,287	93,299	56,373	41,288	38,453	40,940	42,612	57,123	115,094	182,343	1,193,850
Uncharged Prior	-154,566	-197,626	-183,412	-145,287	-93,299	-56,373	-41,288	-38,453	-40,940	-42,612	-57,123	-115,094	-1,166,073
Total C/I Gas	362,675	435,790	357,948	207,295	111,610	70,267	71,099	67,157	74,254	92,392	207,044	371,976	2,429,507
<u><i>Transportation</i></u>													
Charged	298,805	354,840	329,934	327,862	266,780	228,444	213,120	218,129	234,376	247,578	294,812	317,922	3,332,602
Uncharged Current	324,283	286,663	283,897	251,544	217,788	203,436	208,296	122,848	229,341	265,328	269,090	313,536	2,976,050
Uncharged Prior	-264,586	-324,283	-286,663	-283,897	-251,544	-217,788	-203,436	-208,296	-122,848	-229,341	-265,328	-269,090	-2,927,100
Total Transportation	358,502	317,220	327,168	295,509	233,024	214,092	217,980	132,681	340,869	283,565	298,574	362,368	3,381,552
Company Use	2,249	3,489	3,011	2,129	1,326	621	311	591	746	573	998	2,346	18,390
Total Throughput OUT	992,948	1,065,692	935,823	658,113	415,828	322,643	327,108	237,233	459,391	436,500	672,461	1,023,648	7,547,388
Total Throughput IN	1,045,053	1,079,657	902,235	652,490	399,985	327,089	323,336	335,800	354,545	453,141	717,966	1,021,608	7,612,905
Diff IN/OUT	52,105	13,965	-33,588	-5,623	-15,843	4,446	-3,772	98,567	-104,846	16,641	45,505	-2,040	65,517
%	4.99%	1.29%	-3.72%	-0.86%	-3.96%	1.36%	-1.17%	29.35%	-29.57%	3.67%	6.34%	-0.20%	0.86%

Northern Utilities, Inc. - Spectra / PNGTS Metering Error Analysis - June 2005 through November 2007
Granite State Newington Plant #3003

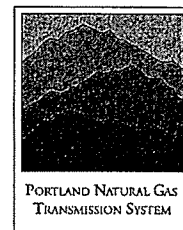
Run 2 Adjustment					Total Station Adjustment				
	Old Volume	Revised Volume	Old Energy	Revised Energy	Difference	Original Station	Revised Station	Difference	
Month									
Jun-05	12,177	10,510	12,806	11,057	(1,749)	17,968	16,219	(1,750)	
Jul-05	109,859	93,412	115,299	98,035	(17,264)	165,909	148,645	(17,262)	
Aug-05	146,202	123,512	153,288	129,500	(23,788)	215,155	191,367	(23,789)	
Sep-05	14,124	11,865	14,850	12,475	(2,375)	21,632	19,257	(2,375)	
Oct-05	106,989	94,653	112,105	98,510	(13,595)	129,004	115,409	(13,594)	
Nov-05	113,553	96,067	119,820	101,374	(18,446)	172,058	153,612	(18,448)	
Dec-05	375,178	324,979	398,307	344,958	(53,349)	559,512	506,163	(53,349)	
Total 05	878,082	754,998	926,475	795,909	(130,566)	1,281,238	1,150,672	(130,567)	
Jan-06	235,016	203,589	248,161	214,886	(33,275)	348,689	315,414	(33,272)	
Feb-06	282,916	242,821	297,184	254,062	(43,122)	425,048	381,926	(43,120)	
Mar-06	285,979	244,496	299,545	256,092	(43,453)	423,616	380,163	(43,450)	
Apr-06	141,715	120,599	148,197	126,075	(22,122)	211,728	189,606	(22,124)	
May-06	19,308	16,607	20,488	17,620	(2,868)	29,639	26,771	(2,868)	
Jun-06	33,640	28,370	35,388	29,875	(5,513)	50,154	44,641	(5,515)	
Jul 06	120,204	104,425	126,740	109,711	(17,030)	182,367	165,337	(17,029)	
Aug-06	91,963	77,775	96,644	81,728	(14,916)	139,929	125,013	(14,916)	
Sep-06	156,797	131,114	164,630	137,667	(26,963)	239,358	212,395	(26,967)	
Oct-06	197,730	167,102	209,982	177,327	(32,655)	296,446	263,791	(32,657)	
Nov-06	276,902	231,818	291,223	243,818	(47,405)	408,772	361,367	(47,405)	
Dec-06	364,412	311,980	378,984	324,946	(54,038)	528,869	474,831	(54,033)	
Total 06	2,206,582	1,880,695	2,317,166	1,973,807	(343,360)	3,284,615	2,941,255	(343,356)	
Jan-07	457,651	387,747	471,974	399,859	(72,115)	656,421	584,306	(72,114)	
Feb-07	-	-	-	-	-	525,794	442,214	(83,576)	
Mar-07	-	-	-	-	-	349,899	293,723	(56,175)	
Apr-07	-	-	-	-	-	60,902	52,154	(8,745)	
May-07	3,476	3,163	3,739	3,401	(338)	14,832	14,494	(338)	
Jun-07	8,015	6,679	8,366	6,972	(1,394)	14,832	13,438	(1,394)	
Jul-07	5,660	4,974	6,005	5,275	(730)	12,384	11,654	(730)	
Aug-07	35,894	30,507	37,848	32,166	(5,682)	52,419	46,737	(5,684)	
Sep-07	-	-	-	-	-	-	-	-	
Oct-07	75,951	64,216	81,209	68,663	(12,546)	112,295	99,749	(12,547)	
Nov-07	261,777	220,840	277,607	234,133	(43,474)	384,850	341,376	(43,476)	
Total 07	848,424	718,126	886,748	750,469	(136,279)	2,184,628	1,899,845	(284,779)	
Total 29-Mos.								(758,702)	

Winter	(579,287)	76.4%
Summer	(179,415)	23.6%

Portland Natural Gas Transmission System

One Harbour Place
Suite 375
Portsmouth, NH 03801

Telephone: 603/559-5500
Facsimile: 603/427-2807



August 25, 2008

Mr. John McNamara
Granite State Gas Transmission, Inc.
5151 San Felipe, Suite 2500
Houston, TX 77056

Re: Correction of Measurement Error at Newington Meter Station

Dear Mr. McNamara:

Portland Natural Gas Transmission ("PNGTS") offers the following imbalance repayment schedule, pursuant to Section 6.7 of the General Terms and Conditions of the PNGTS Tariff, to Granite State Gas Transmission ("Granite") to compensate for the measurement error at PNGTS' Newington, New Hampshire, meter station ("Newington Meter Station").

PNGTS will deliver to Granite a total of 758,702 dekatherms ("Dth") of natural gas ("Repayment Amount"), in-kind and at no charge (including, but not limited to, fuel, shrinkage and transportation) at the Newington Meter Station. This Repayment Amount will be managed by, and be subject to, the terms and conditions regarding Measurement Variance ("MV") outlined in Section 7.3 of the General Terms and Conditions of the PNGTS Tariff.

This Repayment Amount will be delivered to Granite as follows:

- Commencing on December 1, 2008, or some other date mutually agreeable to PNGTS and Granite, PNGTS, with the assistance of Maritimes & Northeast Pipeline ("Maritimes"),¹ will use commercially reasonable efforts to deliver, subject to the conditions set forth in the paragraph below, the Repayment Amount in-kind to Granite on a ratable daily basis of 1,382 Dth/day (the "Daily Repayment Quantity"), over eighteen (18) consecutive months after deliveries commence or until such date that the Repayment Amount has been fully delivered to Granite, as further outlined herein.
- Granite, or its designee, shall contact PNGTS to confirm the daily nominations of the Daily Repayment Quantity or such other quantity mutually agreeable to PNGTS and Granite or Granite's designee.

PNGTS intends to deliver the Repayment Amount over a period of eighteen (18) consecutive months. However, PNGTS may be required to curtail any and all of the Daily Repayment

¹PNGTS understands that Maritimes will be sending a letter to PNGTS and Granite outlining the terms and conditions under which Maritimes is willing to provide such assistance. Nothing in this letter is intended to alter or override any agreements or arrangements between PNGTS and Maritimes.

Quantity to Granite if PNGTS determines in good faith, in its reasonable discretion, that delivery:

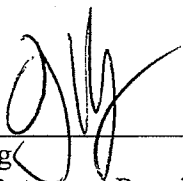
- (1) threatens the integrity of the PNGTS' transmission system;
- (2) adversely affects PNGTS' ability to provide service to its customers;
- (3) requires PNGTS to obtain gas supply through any mechanism other than MV (notwithstanding Maritimes assistance); or
- (4) is subject to Force Majeure, as defined in the PNGTS Tariff.

If PNGTS identifies an issue that necessitates the curtailment of the Daily Repayment Quantity (as outlined above), PNGTS will notify Granite of such issue as soon as reasonably practicable but not later than twenty-four (24) hours after such issue first arises. PNGTS shall have no liability for any such curtailment, outside of the continuing obligations as provided in this letter agreement to deliver to Granite the Repayment Amount. In the event of any such curtailment(s), PNGTS and Granite will consult in good faith to establish an alternate delivery schedule of any Daily Repayment Quantities not delivered. If the entire Repayment Amount has not been repaid to Granite after eighteen (18) consecutive months, PNGTS shall continue to deliver the Daily Repayment Quantity, or such other amount agreed to by the Parties, and shall complete the delivery of the Repayment Amount within two (2) consecutive months after the expiration of the eighteen (18) month period (such two (2) month period hereinafter referred to as the "Extended Delivery Period"). In the event of a Force Majeure, as defined in the PNGTS Tariff, that (1) prevents delivery of natural gas to the Newington Meter Station and (2) which continues into or occurs during the Extended Delivery Period, the Extended Delivery Period will be lengthened for the amount of time the Force Majeure event was in effect.

By executing the acknowledgement below, Granite accepts PNGTS' offer as outlined in this letter agreement.

Please contact the undersigned at 603-559-5515 if you have any questions.

Regards,



David Haag
Manager, Rates and Regulatory Affairs
Portland Natural Gas Transmission System

cc: Mr. Richard Terrazas, Maritimes & Northeast

Accepted and Agreed

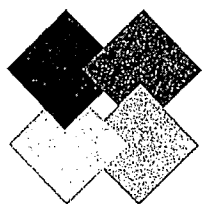
By Granite State Gas Transmission:

Signature

Name

Title

Date



NiSource Gas Transmission & Storage

5151 San Felipe, Suite 2500
Houston, Texas 77056

August 28, 2008

Mr. F. Chico DaFonte
Director, Energy Supply Services
Northern Utilities, Inc.
300 Friberg Parkway
Westborough, MA 01581

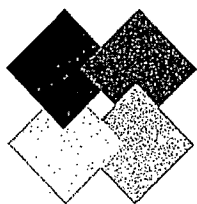
Re: Correction of Measurement Error at PNGTS' Newington Meter Station

Dear Mr. DaFonte:

As you are aware, Granite State Gas Transmission, Inc. ("Granite") and Portland Natural Gas Transmission System ("PNGTS") reached an agreement on an imbalance repayment schedule to compensate Granite for the measurement error at PNGTS' Newington, New Hampshire, meter station. Enclosed please find a copy of the letter agreement entered into by Granite and PNGTS that memorializes the terms and conditions of this imbalance repayment schedule (referred to herein as the "PNGTS-Granite Agreement").

Since the imbalance repayment from PNGTS to Granite is attributable to and for the benefit of Northern Utilities, Inc. ("Northern"), under and by the operation of the Operational Balancing Agreement between Granite and Northern dated November 1, 1993 (referred to herein as the "OBA"), Granite will deliver to Northern a total of 758,702 dekatherms of natural gas, in-kind and at no charge (including, but not limited to, fuel, shrinkage and transportation) under the same terms and conditions as those contained in the PNGTS-Granite Agreement and the OBA.

In order to facilitate the repayment deliveries, Granite authorizes Northern to be Granite's designee under the PNGTS-Granite Agreement for purposes of contacting PNGTS directly regarding Northern's daily nominations of the Daily Repayment Quantity or such other quantity mutually agreeable to PNGTS and Northern. Once these nominations are confirmed, pursuant to the OBA, Granite will make those daily volumes available to Northern at the requested "Delivery Point(s)" (as that term is defined in the OBA).



NiSource Gas Transmission & Storage

5151 San Felipe, Suite 2500
Houston, Texas 77056

As we have expressed previously, Granite will continue to cooperate with Northern in the expeditious receipt of any approvals necessary regarding the repayment of the imbalance created by PNGTS' Newington meter error, including those that may be required by the Maine PUC and New Hampshire PUC.

Please feel free to contact me with any questions.

Very truly yours,

John J. McNamara
Vice President, Marketing & Origination

Northern Utilities, Inc.

Attachment I
Page 1 of 2

Spectra / PNGTS Newington Metering Error - Cost Impact

Overcharge @ Cashout Price

Month	Total Northern		Allocation Factors		Overcharge	
			Maine	N.H.	Maine	N.H.
Jun-05	\$ 11,343		45.586%	54.414%	\$ 5,171	\$ 6,172
Jul-05	\$ 117,380		44.128%	55.872%	\$ 51,797	\$ 65,582
Aug-05	\$ 205,889		51.071%	48.929%	\$ 105,150	\$ 100,739
Sep-05	\$ 26,620		46.558%	53.442%	\$ 12,394	\$ 14,226
Oct-05	\$ 174,086		44.952%	55.048%	\$ 78,255	\$ 95,831
Nov-05	\$ 168,172		43.862%	56.138%	\$ 73,764	\$ 94,408
Dec-05	\$ 664,136		43.864%	56.136%	\$ 291,317	\$ 372,820
Jan-06	\$ 270,984		41.868%	58.132%	\$ 113,455	\$ 157,528
Feb-06	\$ 318,170		41.581%	58.419%	\$ 132,298	\$ 185,871
Mar-06	\$ 280,478		40.729%	59.271%	\$ 114,236	\$ 166,242
Apr-06	\$ 141,578		44.233%	55.767%	\$ 62,624	\$ 78,954
May-06	\$ 15,724		42.890%	57.110%	\$ 6,744	\$ 8,980
Jun-06	\$ 34,508		42.750%	57.250%	\$ 14,752	\$ 19,756
Jul-06	\$ 103,047		38.590%	61.410%	\$ 39,766	\$ 63,281
Aug-06	\$ 108,062		44.310%	55.690%	\$ 47,882	\$ 60,180
Sep-06	\$ 133,046		43.130%	56.870%	\$ 57,383	\$ 75,663
Oct-06	\$ 184,607		43.830%	56.170%	\$ 80,913	\$ 103,694
Nov-06	\$ 346,918		49.839%	50.161%	\$ 172,900	\$ 174,017
Dec-06	\$ 373,741		46.842%	53.158%	\$ 175,068	\$ 198,673
Jan-07	\$ 456,342		47.464%	52.536%	\$ 216,598	\$ 239,744
Feb-07	\$ 673,264		46.787%	53.213%	\$ 315,000	\$ 358,264
Mar-07	\$ 398,652		46.957%	53.043%	\$ 187,195	\$ 211,457
Apr-07	\$ 66,236		47.083%	52.917%	\$ 31,186	\$ 35,050
May-07	\$ 2,582		51.450%	48.550%	\$ 1,328	\$ 1,254
Jun-07	\$ 10,293		34.327%	65.673%	\$ 3,533	\$ 6,760
Jul-07	\$ 4,534		42.944%	57.056%	\$ 1,947	\$ 2,587
Aug-07	\$ 35,786		43.527%	56.473%	\$ 15,577	\$ 20,210
Sep-07	\$ -		41.619%	58.381%	\$ -	\$ -
Oct-07	\$ 83,828		48.210%	51.790%	\$ 40,414	\$ 43,415
Nov-07	\$ 309,201		48.478%	51.522%	\$ 149,895	\$ 159,307
		<u>percent</u>			<u>Maine</u>	<u>N. H.</u>
Summer (May-Oct)	\$ 1,251,335	21.9%			\$ 563,006	\$ 688,329
Seasonal Percentage					21.7%	22.1%
Winter (Nov-Apr)	\$ 4,467,873	78.1%			\$ 2,035,536	\$ 2,432,336
Seasonal Percentage					78.3%	77.9%
Total 29-Mos.	\$ 5,719,208				\$ 2,598,542	\$ 3,120,666
Divisional Total Percentage					45.4%	54.6%

Northern Utilities, Inc.

Attachment I
Page 2 of 2

PNGTS via Granite In-Kind Volume Reimbursement

EXAMPLE OF MONTHLY TREATMENT OF IN-KIND VOLUMES

		(1) Northern		(2) Maine	(3) N.H.	Calc. Desc.
1	Purchased Vols.	1,000,000	Dth			
2	Allocation - Curr. Mo.			51.000%	49.000%	
3	Volumes			510,000	490,000	(r.2 x r.1, c.1)
4	Costs	\$ 10,000,000				
5	Avg. Cost	\$ 10.000				
6	In-Kind Vols.	42,000	Dth			
7	Total Volumes	1,042,000		531,420	510,580	(r.7,c.1 x r.2)
8	<u>Less: In-Kind Vols. @</u>					
9	Allocation - Past Wt'd			45.4%	54.6%	(See. Sch. X)
10	Volumes			19,083	22,917	(r.6, c.1 x r.9)
11	Net Volumes			512,337	487,663	(r.7 - r.10)
12	Costs @ Avg. Purchased Cost			\$ 5,123,372	\$ 4,876,628	(r.10 x r.5, c.1)

avg rate of total gas flows

9.64

9.55