Northern Utilities, Inc. Docket No. DG 11-069

N.H.P.U.C. Case No. DG 11.069 Exhibit No Exhibit 8

ORIGINAL

March 29, 2012 Hearing Record Requests

Received: March 29, 2012

Request No. RR-1

Date of Response: April 3, 2012 OM FILE

Witness: Douglas Debski

Request RR-1:

Please provide an updated Report of Proposed Changes which shall reflect final settlement agreement figures for Distribution charges, Distribution Step Adjustment, changes in the COG and LDAC - with the Rate Case Expense and the Reconciliation of Permanent Charges (Recoupment) itemized. Also please provide bill impacts in the format of the Cost of Gas filings for a residential heating customer.

Response:

Please see RR-1 Attachment 1 which provides an updated Report of Proposed Changes including the itemized changes requested. Please note the originally filed Report of Proposed Changes had an inadvertent footnote for column (E) because the the Step Adjustment of \$1.43 million was not included in that version.

RR-1 Attachment 2 provides the version of bill impacts submitted in Cost of Gas Adjustment filings for a residential heating customer. This format specifically identifies impacts from distribution, COG and LDAC increases as a result of the rate case settlement agreement. Annual COG increases are \$0.0050 per therm for changes in indirect gas costs, working capital allowance and bad debt. LDAC increases are \$0.0040 for the RLIARA (\$0.0007 for increase in low income discounts, \$0.0033 for non-distribution portion of Regulatory Assessment), \$0.0046 for the rate case expense (RCE) and \$0.0123 for the reconciliation of permanent charges (RPC).

Northern Utilities, Inc. New Hampshire Division DG 11-069 Record Request 1 Attachment 1

State of New Hampshire Public Utilities Commission Concord Report of Proposed Rate Changes (\$000)

Northern Utilities, Inc. -- New Hampshire Division Tariff No. 10

Effective Date: May 1, 2012

(A)	(B)	(C)								•	Lincolly	C Date. IV	ay 1, 2012
Class of Service	Effect of Proposed Change	Average Number of Customers	(D) Total Current <u>Revenue</u>	(E) Distribution Revenue <u>Change</u>	(F) Distribution Step Adj Revenue <u>Change</u>	(G) COG <u>Change</u>	(H) LDAC RLIARA <u>Change</u>	(I) LDAC RCE <u>Change</u>	(J) LDAC RPC <u>Change</u>	(K) Proposed Distribution, LDAC & COG Revenue Changes	(L) Total Revenue Under Proposed Rates	(M) Proposed Change Revenue	(N) Percent Change Revenue
Residential Heating - R5	Increase	19,308	\$24,168	\$1,451	\$423	\$76	\$61	\$70	\$187	\$2,268			
Residential Low Income Heating - R10	Increase	954	\$794	\$25	\$7	\$3	\$2	\$3	\$8	\$48	\$26,436	\$2,268	9.4%
Residential Non-Heating - R6	Increase	1,621	\$665	\$59	\$17	\$2	\$1	\$2		·	\$842	\$48	6.1%
Residential Low Income Non-Heating - R11	Increase	33	\$16	\$1	\$0	\$0	\$0	,	\$4	\$85	\$750	\$85	12.8%
Subtotal Residential	Increase	21,916	\$25,643	\$1,536	\$448	\$81		\$0	\$0	\$1	\$18	\$1	9.1%
Commercial & Industrial Law Assess 6 1 to 1	**		720,010	Ψ1,500	9440	361	\$65	\$74	\$199	\$2,403	\$28,046	\$2,403	9.4%
Commercial & Industrial Low Annual & High Winter Use G-40	Increase	4,416	\$12,434	\$561	\$164	\$43	\$34	\$39	\$105	\$945	\$13,379	\$945	7.6%
Commercial & Industrial Medium Annual & High Winter Use G-41	Increase	543	\$14,102	\$258	\$120	\$54	\$43	\$50	\$133	\$658	\$14,760	\$658	4.7%
Commercial & Industrial High Annual & High Winter Use G-42	Increase	30	\$6,728	\$92	\$47	\$27	\$22	\$25	\$67	\$281	\$7,009	\$281	4.7 %
Commercial & Industrial Low Annual & Low Winter Use G-50	Increase	969	\$2,656	\$136	\$39	\$11	\$9	\$10	\$27	\$233	\$2,889	\$233	
Commercial & Industrial Medium Annual & Low Winter Use G-51	Increase	234	\$4,108	\$92	\$38	\$19	\$15	\$18	\$47	\$230	\$4,338	\$230	8.8% 5.6%
Commercial & Industrial High Annual & Low Winter Use G-52	Increase	27	\$11,349	\$125	\$64	\$57	\$46	\$52	\$140	\$484	\$11,833	\$484	4.3%
Subtotal Commercial & Industrial	Increase	6,219	\$51,377	P4 004	A.T.O.						7,000	¥101	7.070
-		0,219	φυ1,3//	\$1,264	\$473	\$211	\$169	\$194	\$519	\$2,831	\$54,208	\$2,831	5.5%
Total	Increase	28,135	\$77,021	\$2,800	\$921	\$292	\$234	\$269	\$718	\$5,234	\$82,254	\$5,234	6.8%

⁽D) Revenue under previous permanent seasonal rates assuming all customers take Company supplied gas service.

⁽E) Distribution revenue change reflecting low income discounts. Would be \$2,838 if not reflecting low income discounts.

⁽F) Step Adjustment Revenue reflecting low income discounts. Would be \$933 if not reflecting low income discounts.

⁽G) Changes in Cost of Gas of \$0.0050/thm due to changes in indirect gas costs, working capital allowance and bad debt.

⁽H) Changes in the RLIARA component of the LDAC due to increased low income funding of \$0.0007/thm and the reassignment of the non-distribution portion of Regulatory Assessment of \$0.0033/thm.

⁽I) Changes in the Rate Case Expense proposed at \$0.0046/thm.

⁽J) Changes in the Reconciliation of Permanent Charges proposed at \$0.0123/thm.

⁽K) Sum of Columns E through J

⁽L) Column D + Column K

⁽M) Column L - Column D

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION

Typical Residential Heating Bill - 1,250 therms/year

Comparison of 2010-11 Distribution, COG and LDAC Rates verses 2012-2013 New Distribution, COG and LDAC Rates due to Rate Case Settlement only.

Control Cont		Typical Usage: therms Winter 2012- 2013	Nov 2012 109	Dec 2012	2 Jan 201 2 18	3 Feb 2013 7 188	Mar 2013	Apr 2013	Winter 2 93	May 2012 90	June 2012 55	July 2012	August 2012 30	Sept 2012 42	October 2012	Summer 31	Annual 8 1,250
Marrier Proof 2012 Ang 1005 15.000	First	mer Charge units @ \$ 13.73 50 units @ \$0.4410 50 units @ \$0.3829 COG 1' \$1.1037 COG 2' \$1.0786 COG 3' \$1.1249	\$22.05 \$22.59	\$22.05 \$38.29	\$22.05 9 \$52.46	5 \$22.05 5 \$52.84	\$22.05	\$22.0	\$132.30 \$241.99 \$120.30 \$161.79 \$210.36	0					,,		1,430
Rushing S. 00008 S. 0000 S.	Winte	COG 5' \$1.1665 COG 6' \$1.1665 or Period 2012-2013 Avg. COG \$1.1345				\$219.30	\$193.64		\$193.64	1							
First 50 with 68 50.440		RLIARA \$ 0.0083 DSM \$ 0.0359 ERC \$ 0.0054 RCE \$ 0.0046 RPC \$ 0.0123 Summer 2012	\$3.91 \$0.59 \$0.50	\$5.39 \$0.81 \$0.69	\$6.71 \$1.01 \$0.86	\$6.75 \$1.02 \$0.86	\$5.96 \$0.90 \$0.76	\$4.74 \$0.71 \$0.61	\$33.46 \$5.03 \$4.29	i i							
Summer Professor Summer Prof	First	ner Charge units @ \$ 13.73 50 units @ \$0.4410 50 units @ \$0.4410 COG 1' \$0.6595 COG 2' \$0.6019 COG 3' \$0.7330								\$22.05 \$17.64	\$22.05 \$2.21	\$13.23 \$0.00	\$13.23	\$18.52	\$22.05	\$111.13 \$29.11 \$59.36 \$33.10	
Part	Su	COG 5' \$0.7330 COG 6' \$0.7330 mmer Period 2012 Avg. COG \$0.6989										521.99	\$21,99	\$30.79	\$52.04	\$21.99 \$30.79	
Total		RLIARA \$ 0.0095								\$1.67 \$0.51 \$0.41	\$1.02 \$0.31 \$0.25	\$0.56 \$0.17 \$0.14	\$0.56 \$0.17 \$0.14	\$0.78 \$0,24 \$0.19	\$1.31 \$0.40 \$0.33	\$5.88 \$1.81 \$1.46	
Winter 2010 2011 50 50 50 50 50 50 50	E MARIE	TOTAL	AND DESCRIPTION OF THE PERSON NAMED IN						\$1,578.02	\$117.33							\$2,036.00
Customer Charge units @ S 9.00 50.		Typical Usage: therms Winter 2010 - 2011	109	Dec 2010 . 150	Jan 2011 187	Feb 2011 / 188	Mar 2011 . 166	Apr 2011 132		May 2010 J 90	une 2010 55	July 2010 A	ugust 2010 S 30	Sept 2010 (October 2010 71		
COC 4 S1.1615 COC 5 S1.1615 COC 6 S1.1615 CO	First	er Charge units @ \$ 9.50 50 units @ \$0.4102 50 units @ \$0.2990	\$20.51	\$20.51	\$20.51	\$20.51	\$20.51	\$20.51	\$123.06								1,200
RIJARA S 0.0043		COG 2 \$1.0736 COG 3 \$1.1199				341.20	\$34.00	\$24.52	\$119.76 \$161.04					÷			
First 50 unils @ 50.4102	Winter	COG 2 \$1.0736 COG 3 \$1.1199 COG 4 \$1.1615 COG 5 \$1.1615 COG 6 \$1.1615 Period 2010-2011 Avg. COG \$1.1295					\$192.81		\$119.76 \$161.04 \$209.42 \$218.36 \$192.81					÷			
Summer Period 2010 Avg. COG S0.7280 S0.6939 S0.0267 S0.0		COG 2 \$1,0736 COG 3 \$1,1736 COG 4 \$1,1615 COG 5 \$1,1615 COG 6 \$1,1615 S1,1615 COG 6 \$1,1615 COG 6 \$1,1615 COG 6 \$0,0456 COG 6 \$0,0456 COG 6 \$0,0056 RLIARA \$0,00643 DSM \$0,00359 ERC \$0,0054 RCC \$0,00	\$0.47 \$3.91 \$0.59 \$0.00	\$161.04 \$0.65 \$5.39 \$0.81 \$0.00	\$209.42 \$0.80 \$6.71 \$1.01 \$0.00	\$218.36 \$0.81 \$6.75 \$1.02 \$0.00	\$192.81 \$0.71 \$5.96 \$0.90 \$0.00	\$153.32 \$0.57 \$4.74 \$0.71 \$0.00	\$119.76 \$161.04 \$209.42 \$218.36 \$192.81 \$153.32 \$4.01 \$33.46 \$5.03 \$0.00								
RILARA \$ 0.0055 DSM \$ 0.0185 ERC \$ 0.0057 RCE \$. TOTAL DISTRIBUTION Distribution Change Distribution % Change of total COG COG % Change of total COG Whenge of total LDAC Change LDAC Change total LDAC Change of total LDAC Change of total CDAC Change of total	Custome First	COG 2 \$1.0736 COG 3 \$1.1739 COG 4 \$1.1615 COG 6 \$1.1625 CO	\$0.47 \$3.91 \$0.59 \$0.00	\$161.04 \$0.65 \$5.39 \$0.81 \$0.00	\$209.42 \$0.80 \$6.71 \$1.01 \$0.00	\$218.36 \$0.81 \$6.75 \$1.02 \$0.00	\$192.81 \$0.71 \$5.96 \$0.90 \$0.00	\$153.32 \$0.57 \$4.74 \$0.71 \$0.00	\$119.76 \$161.04 \$209.42 \$218.36 \$192.81 \$153.32 \$4.01 \$33.46 \$5.03 \$0.00	\$20.51 \$11.96	\$20.51 \$1.50	\$12.31 \$0.00	\$12.31	\$17.23	\$20.51	\$103.37 \$19.73 \$58.91 \$32.83	
DISTRIBUTION Distribution (Change of total 51.7.26 51.7.25 51.8.05 51.5.	Custome First Over	COG 2 \$110736 COG 3 \$1.1798 COG 4 \$1.1615 COG 5 \$1.1615 COG 6 \$1.1615 COG 7 Charge units @ \$1.1615 COG 1 \$0.0456 COG 1 \$0.04564 COG 1 \$0.04564 COG 2 \$0.2990 COG 1 \$0.5645 COG 2 \$0.7280 COG 4 \$0.7280 COG 5 \$0.7280 COG 6 \$0.7280	\$0.47 \$3.91 \$0.59 \$0.00	\$161.04 \$0.65 \$5.39 \$0.81 \$0.00	\$209.42 \$0.80 \$6.71 \$1.01 \$0.00	\$218.36 \$0.81 \$6.75 \$1.02 \$0.00	\$192.81 \$0.71 \$5.96 \$0.90 \$0.00	\$153.32 \$0.57 \$4.74 \$0.71 \$0.00	\$119.76 \$161.04 \$209.42 \$218.36 \$192.81 \$153.32 \$4.01 \$33.46 \$5.03 \$0.00	\$20.51 \$11.96	\$20.51 \$1.50	\$12.31 \$0.00	\$12.31 \$0.00	\$17.23 \$0.00	\$20.51 \$6.28	\$103.37 \$19.73 \$58.91 \$32.83 \$21.84 \$21.84 \$30.58	
Distribution Change S10.72 S14.16 S17.26 S17.35 S15.50 S12.65 S87.64 S11.45 S6.48 S5.15 S5.15 S5.52 S8.75 S42.51	Custome First Over	COG 2 \$1,0736 COG 3 \$1,1739 COG 4 \$1,1615 COG 5 \$1,1615 COG 6 \$1,0045 COG 1 \$0,0045 COG 1 \$0,200 COG 1 \$0,200 COG 1 \$0,200 COG 1 \$0,200 COG 2 \$0,5969 COG 2 \$0,5969 COG 3 \$0,7280 COG 4 \$0,7280 COG 5 \$0,7280 COG 5 \$0,7280 COG 5 \$0,7280 COG 6 \$0,7280 COG 6 \$0,7280 COG 7 \$0,7280 COG 7 \$0,7280 COG 8 \$0,7280 COG 9	\$0.47 \$3.91 \$0.59 \$0.00 \$0.00	\$0.65 \$5.39 \$0.81 \$0.00 \$0.00	\$209.42 \$0.80 \$6.71 \$1.01 \$0.00 \$0.00	\$0.81 \$6.75 \$1.02 \$0.00 \$0.00	\$0.71 \$5.96 \$0.90 \$0.00 \$0.00	\$153.32 \$0.57 \$4.74 \$0.71 \$0.00 \$0.00	\$119,76 \$161.04 \$209,42 \$218.36 \$192.81 \$153.32 \$4.01 \$33.46 \$5.000 \$0.00	\$20.51 \$11.96 \$58.91 \$0.50 \$1.67 \$0.51 \$0.00	\$20.51 \$1.50 \$32.83 \$0.30 \$1.02 \$0.31 \$0.00	\$12.31 \$0.00 \$21.84 \$0.17 \$0.56 \$0.17 \$0.00	\$12.31 \$0.00 \$21.84 \$0.17 \$0.56 \$0.17 \$0.00	\$17.23 \$0.00 \$30.58 \$0.23 \$0.78 \$0.24 \$0.00	\$20.51 \$6.28 \$51.69 \$0.39 \$1.31 \$0.40 \$0.00	\$103.37 \$19.73 \$58.91 \$32.83 \$21.84 \$21.84 \$30.58 \$51.69 \$1.75 \$5.88 \$1.81 \$0.00	
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LDAC LDAC LDAC Change S 2.28 S 3.14 S 3.91 S 3.93 S 3.47 S 2.76 S 19.48 S 1.88 S 1.15 S 0.63 S 0.88 S 1.48 S 6.65 LDAC % Change of total 1.32% 1.35% 1.35% 1.32% 1.31% 1.29% 1.33% 1.82% 1.74% 1.41% 1.41% 1.50% 1.55% 1.65% 1	Custome First Over	COG 2 \$1.0736 COG 3 \$1.1739 COG 4 \$1.1615 COG 5 \$1.1615 COG 6 \$1.1625 COG 6 \$1.1625 COG 6 \$1.1625 COG 6 \$1.1625 COG 6 \$1.0045 COG 6 \$0.0045 COG 1 \$0.0055 COG 1 \$0.6545 COG 2 \$0.5969 COG 2 \$0.5969 COG 4 \$0.7280 COG 4 \$0.7280 COG 5 \$0.7280 COG 6 \$0.7280 COG 7 \$0.7280 COG 8 \$0.7280 COG 9 \$0.7280 CO	\$119.76 \$0.47 \$3.91 \$0.59 \$0.00 \$0.00	\$161.04 \$0.65 \$5.39 \$0.81 \$0.00 \$0.00	\$0.80 \$0.80 \$5.71 \$1.01 \$0.00 \$0.00 \$2.88	\$218.36 \$0.81 \$6.75 \$1.02 \$0.00 \$0.00	\$192.81 \$0.71 \$5.96 \$0.90 \$0.00 \$0.00 \$0.00	\$153.32 \$0.57 \$4.74 \$0.00 \$0.00 \$0.00 \$5.0	\$119.76 \$161.04 \$209.42 \$218.36 \$192.81 \$153.32 \$4.01 \$33.46 \$5.03 \$0.00 \$0.00	\$20.51 \$11.96 \$58.91 \$0.50 \$1.67 \$0.51 \$0.00 \$0.00 \$103.55	\$20.51 \$1.50 \$32.83 \$0.30 \$1.02 \$0.31 \$0.00 \$0.00 \$65.97	\$12.31 \$0.00 \$21.84 \$0.17 \$0.56 \$0.17 \$0.00 \$0.00 \$44.54	\$12.31 \$0.00 \$21.84 \$0.17 \$0.56 \$0.17 \$0.00 \$0.00 \$44.54	\$17.23 \$0.00 \$30.58 \$0.23 \$0.78 \$0.24 \$0.00 \$0.00 \$5.8.55	\$20.51 \$6.28 \$51.69 \$0.39 \$1.31 \$0.40 \$0.00 \$0.00 \$90.09	\$103.37 \$19.73 \$58.91 \$32.83 \$21.84 \$30.58 \$51.69 \$1.75 \$5.88 \$1.81 \$0.00 \$407.23	\$1,873.46
Total Change \$13.54 \$18.05 \$22.11 \$22.22 \$19.80 \$16.07 \$111.78 \$13.78 \$7.90 \$5.93 \$5.93 \$6.61 \$10.59 \$50.75 \$162.53 \$6.61 \$10.59 \$50.75 \$162.53	Custome First Over	COG 2 \$1.0736 COG 3 \$1.1736 COG 4 \$1.1615 COG 5 \$1.1615 COG 6 \$1.1615 COG 6 \$1.1615 Period 2010-2011 Avg. COG \$1.1615 RLIARA \$ 0.0043 DSM \$ 0.0359 ERC \$ 0.00456 RPC \$ 0	\$119.76 \$0.47 \$3.91 \$0.59 \$0.00 \$0.00 \$172.38 \$172.38 \$10.72 6.22%	\$161.04 \$0.65 \$5.39 \$0.81 \$0.00 \$0.00 \$1.41 \$1.41 \$6.622%	\$0.80 \$6.71 \$1.01 \$0.00 \$0.00 \$2.72 \$1.72 \$5.98% \$0.93	\$218.36 \$0.81 \$5.75 \$1.02 \$0.00 \$0.00 \$0.00 \$298.21 \$17.35 \$5.82%	\$192.81 \$0.71 \$5.96 \$0.90 \$0.00 \$0.00 \$0.00 \$15.50 \$15.50 \$5.85%	\$153.32 \$0.57 \$4.74 \$0.00 \$0.00 \$0.00 \$1.26 \$12.65 \$.91% \$0.66	\$119.76 \$161.04 \$209.42 \$218.36 \$192.81 \$153.32 \$4.01 \$33.46 \$5.03 \$0.00 \$0.00	\$0.50 \$11.96 \$58.91 \$0.50 \$1.67 \$0.51 \$0.00 \$0.00 \$103.55 \$11.45 \$11.06%	\$20.51 \$1.50 \$32.83 \$0.30 \$1.02 \$0.31 \$0.00 \$0.00 \$65.97 \$6.48 9.82% \$0.28	\$12.31 \$0.00 \$21.84 \$0.17 \$0.56 \$0.50 \$0.00 \$44.54 \$5.15 \$11.57%	\$12.31 \$0.00 \$21.84 \$0.17 \$0.56 \$0.17 \$0.00 \$44.54 \$5.15 \$11.57%	\$30.58 \$0.23 \$0.78 \$0.24 \$0.00 \$0.00 \$58.55 \$5.52 9.43%	\$20.51 \$5.28 \$51.69 \$0.39 \$1.31 \$0.40 \$0.00 \$90.09 \$8.75 9.72% \$0.36	\$103.37 \$19.73 \$58.91 \$32.83 \$21.84 \$30.58 \$51.69 \$1.75 \$5.88 \$1.81 \$0.00 \$407.23 \$42.51 \$10.44%	\$1,873.46
	Custome First Over	COG 2 \$1,0736 COG 3 \$1,1793 COG 4 \$1,1615 COG 5 \$1,1615 COG 6 \$1,1615 COG 6 \$1,1615 Period 2010-2011 Avg. COG \$0.0456 RLIARA \$ 0.0043 DSM \$ 0.0359 ERC \$ 0.0055 RPC \$ 0.0056 RPC \$ 0.0055	\$119.76 \$0.47 \$3.91 \$0.59 \$0.00 \$0.00 \$172.38 \$172.38 \$10.72 6.22% \$0.54 0.32%	\$161.04 \$0.65 \$5.39 \$0.81 \$0.00 \$0.00 \$1.416 6.22% \$0.75 0.33% \$3.14	\$209.42 \$0.80 \$5.71 \$1.01 \$0.00 \$0.00 \$0.00 \$1.72 \$5.98% \$0.93 \$0.	\$218.36 \$0.81 \$6.75 \$1.02 \$0.00 \$0.00 \$0.00 \$7.35 \$5.82% \$0.94 \$0.32% \$3.93	\$192.81 \$0.71 \$5.96 \$0.90 \$0.0	\$153.32 \$0.57 \$4.74 \$0.71 \$0.00 \$0.00 \$0.00 \$12.65 \$5.91% \$0.66 0.31%	\$119.76 \$161.04 \$209.42 \$218.36 \$192.81 \$153.32 \$4.01 \$33.46 \$5.03 \$0.00 \$0.00 \$0.00	\$0.50 \$11.96 \$58.91 \$0.50 \$1.67 \$0.51 \$0.00 \$0.00 \$103.55 \$11.06% \$0.45 0.43%	\$20.51 \$1.50 \$32.83 \$0.30 \$1.02 \$0.31 \$0.00 \$0.00 \$65.97 \$6.48 9.82% \$0.28 0.42% \$1.15	\$12.31 \$0.00 \$21.84 \$0.17 \$0.56 \$0.17 \$0.00 \$0.00 \$44.54 \$5.15 \$11.57% \$0.34% \$0.34%	\$12.31 \$0.00 \$21.84 \$0.17 \$0.56 \$0.17 \$0.00 \$0.00 \$1.15 \$11.57% \$0.15 \$0.34% \$0.15 \$0.34%	\$30.58 \$30.58 \$30.58 \$0.23 \$0.78 \$0.24 \$0.00 \$0.00 \$58.55 \$5.52 9.43% \$0.21 0.36%	\$20.51 \$5.28 \$51.69 \$0.39 \$1.31 \$0.40 \$0.00 \$0.00 \$90.09 \$8.75 9.72% \$0.36 0.39%	\$10.37 \$19.73 \$58.91 \$32.83 \$21.84 \$21.84 \$30.58 \$51.69 \$1.75 \$5.88 \$1.81 \$0.00 \$407.23 \$42.51 \$10.44% \$1.59 \$0.39%	\$1,873.46

A Residential Heating Bill Customer is defined as a single family detached home using gas for heat, hot water and cooking 1- Includes \$0.0050 to reflect increase to working capital, bad debt, and indirect costs.