Anticipated Cost of Gas

New Hampshire Division Period Covered: May 1, 2016 - October 31, 2016

renou covered. May 1,	2010 - October 31, 2010	•
(Col 1)	(Col 2)	(Col 3)
ANTICIPATED DIRECT COST OF GAS		
Purchased Gas:	4 505 005	
Demand Costs:	\$525,885	
Supply Costs:	\$2,040,682	
Storage & Peaking Gas:	*	
Demand, Capacity:	\$407,523	
Commodity Costs:	\$49,933	
Hedging (Gain)/Cost	\$0	
Interruptible Included Above	\$0	
Inventory Finance Charge	\$0	
Capacity Release, & Asset Management	\$0	
Total Anticipated Direct Cost of Gas		<u>\$3,024,024</u>
ANTICIPATED INDIRECT COST OF GAS		
Adjustments:		
Prior Period Under/(Over) Collection Interest	\$23,260 (\$335)	
Refunds	(\$333) \$0	
Interruptible Margins	\$0	
Total Adjustments		\$22,925
Working Capital:		
Total Anticipated Direct Cost of Gas	\$3,024,024	
Working Capital Alloyanas	0.0887%	
Working Capital Allowance	\$2,682	
Plus: Working Capital Reconciliation (Acct 182.11)	(\$431)	
Total Working Capital Allowance		\$2,251
Bad Debt:		
Bad Debt Allowance	\$22,890	
Plus: Bad Debt Reconciliation (Acct 182.16)	(\$12,773)	
Total Bad Debt Allowance		\$10,117
Local Production and Storage Capacity		\$0
Miscellaneous Overhead-22.99% Allocated to Summer Season		\$117,870
Total Anticipated Indirect Cost of Gas		\$153,163
Total Cost of Gas		\$3,177,188
Issued: May 4, 2016	Issued By:	Welles
Effective Date: May 1, 2016	_	Senior Vice President

Authorized by NHPUC Order No. 25,892, in Docket No. DG 16-309, dated April 29,2016

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: May 1, 2016 - October 31, 2016

Coil 1)	Period Covered: May 1,	2016 - October 31, 2016		
Total Ambignated Shire Cook of Ges Specific Properties Speci	(Col 1)	(Col 2)	(Col 3)	
Projected Prorated Sales (0601/16-10/31/16) 9,940.234 50,3042 per therm	,	,	(00.0)	
Direct Cost of Gas Rate				
Demand Cost of Gas Rate		9,940,234	\$0.3042	ner therm
Commotify Cost of Gas Rate \$2,090,615 \$0,2103 per them Total Direct Cost of Gas Rate \$3,040,024 \$0,3042 per them Total Direct Cost of Gas \$150,163 \$0,340,234 \$0,0154 per them Total Direct Cost of Gas \$150,163 \$0,340,234 \$0,0154 per them Total Direct Cost of Gas \$0,0164 \$0,0164 \$0,0166 \$0	Shoot door or due hate		ψ0.0012	por thorn
Total Articipated Indirect Cost of Gas Rate Total Articipated Indirect Cost of Gas Projected Protoated Sales (8501/16-10/31/16) ### 1513.416.3 ### 1513.41	Demand Cost of Gas Rate	\$933,408	\$0.0939	per therm
Total Anticipated Indirect Cost of Gas	Commodity Cost of Gas Rate	\$ <u>2,090,615</u>	\$ <u>0.2103</u>	per therm
Projected Frortate Sales (9501/16-10/31/16) 9.940,234 \$0.0154 per therm	Total Direct Cost of Gas Rate	\$3,024,024	\$0.3042	per therm
Projected Frortate Sales (9501/16-10/31/16) 9.940,234 \$0.0154 per therm	Total Anticipated Indirect Cost of Gas	\$153 163		
TOTAL PERIOD AVERAGE COST OF GAS \$0.3196 per therm				
COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/16		0,0 10,20 1	\$0.0154	per therm
COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/16				
COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/16	TOTAL PERIOD AVERAGE COST OF GAS		\$0.3196	per therm
COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/16				•
COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/16				
COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/16	RESIDENTIAL COST OF GAS RATE - 05/01/16	COGwr	\$0.3196	per therm
C&I HLF DEMAND COSTS ALLOCATED PER SMBA \$173.257 \$2.6530 \$		Maximum (COG+25%)	\$0.3995	
C&I HLF DEMAND COSTS ALLOCATED PER SMBA \$173.257 \$2.6530 \$				
C&I HLF DEMAND COSTS ALLOCATED PER SMBA \$173.257 \$2.6530 \$				
C&I HLF DEMAND COSTS ALLOCATED PER SMBA \$173.257 \$2.6530 \$				
C&I HLF DEMAND COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL DEMAND RELOCATION TO C71 HLF C26 HLF TOTAL ADJUSTED DEMAND COSTS C81 HLF PROJECTED PRORATED SALES (05/1/16-10/31/16) DEMAND COST OF GAS RATE C81 HLF COMMODITY COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL COMMODITY COSTS C81 HLF TOTAL ADJUSTED COMMODITY COSTS C81 HLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C81 HLF COST OF GAS RATE S0.2103 INDIRECT COST OF GAS RATE S0.2832 COM/IND HIGH WINTER USE COST OF GAS RATE S0.2832 COM/IND HIGH WINTER USE COST OF GAS RATE S0.2832 C81 LLF COMMODITY COSTS ALLOCATED PER SMBA TOTAL C81 HLF TOTAL ADJUSTED DEMAND COSTS C81 HLF TOTAL ADJUSTED DEMAND COSTS C81 HLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD COSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD COSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 STANDARD CSTS C91 STANDARD CSTS C91 STANDARD CSTS C91 STANDARD CSTS C92 STANDARD CSTS C93 STANDARD CSTS C93 STANDARD CSTS C93	COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/16	COGwl	\$0.2832	per therm
C&I HLF DEMAND COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL DEMAND RELOCATION TO C71 HLF C2I HLF TOTAL ADJUSTED DEMAND COSTS S199,887 C81 HLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 3,477,731 DEMAND COST OF GAS RATE C81 HLF COMMODITY COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL COMMODITY COSTS S35 C81 HLF PROJECTED PRORATED COMMODITY COSTS S31,431 PLUS: RESIDENTIAL COMMODITY COSTS S31,436 C81 HLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C81 HLF COST OF GAS RATE S0.2832 COM/IND HIGH WINTER USE COST OF GAS RATE C81 LLF COMMODITY COSTS ALLOCATED PER SMBA PLUS RESIDENTIAL DEMAND REALLOCATION TO C81 LLF C81 LLF TOTAL ADJUSTED DEMAND COSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 LLF TOTAL ADJUSTED DEMAND COSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 LLF COMMODITY COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C81 LLF C81 LLF TOTAL ADJUSTED COMMODITY COSTS C81 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C91 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C92 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C92 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C93 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C93 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C93 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C94 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) C95 LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) Senior Vice President Sesued: May 4, 2016 Effective Date: May 1, 2016		Maximum (COG+25%)	\$0.3540	
PLUS: RESIDENTIAL DEMAND RELOCATION TO C7I HLF \$26,830		,		
PLUS: RESIDENTIAL DEMAND RELOCATION TO C7I HLF \$26,830				
CâI HLF TOTAL ADJUSTED DEMAND COSTS CâI HLF PROJECTED PRORATED SALES (05/1/16-10/31/16) CâI HLF PROJECTED PRORATED SALES (05/1/16-10/31/16) CâI HLF PROJECTED PRORATED SALES (05/1/16-10/31/16) CâI HLF COMMODITY COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL COMMODITY COSTS S35 CâI HLF TOTAL ADJUSTED COMMODITY COSTS S731,466 CâI HLF PROJECTED PRORATED SALES (05/1/16-10/31/16) COMMODITY COST OF GAS RATE S0.2103 INDIRECT COST OF GAS RATE S0.203 INDIRECT COST OF GAS RATE COMMODITY COST OF GAS RATE COMMODITY COST SALLOCATED PER SMBA PLUS RESIDENTIAL DEMAND REALLOCATION TO CâI LLF CâI LLF COMMODITY COSTS ALLOCATED PER SMBA PLUS RESIDENTIAL DEMAND REALLOCATION TO CâI LLF CâI LLF TOTAL ADJUSTED DEMAND COSTS CâI LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) CBI LLF TOTAL ADJUSTED DEMAND COSTS CâI LLF COMMODITY COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL COMMODITY COSTS CâI LLF COMMODITY COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL COMMODITY COSTS CâI LLF COMMODITY COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL COMMODITY COSTS CâI LLF COMMODITY COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL COMMODITY COSTS CâI LLF COST OF GAS RATE S0.1362 CâI LLF COMMODITY COSTS ALLOCATION TO CâI LLF CâI LLF COST OF GAS RATE S0.1362 CâI LLF COMMODITY COSTS ALLOCATION TO CâI LLF S0.162 CâI LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2.991,879 COMMODITY COST OF GAS RATE S0.2103 INDIRECT COST OF GAS RATE S0.2103 INDIRECT COST OF GAS RATE S0.2103 INDIRECT COST OF GAS RATE S0.2104 ISSUEd: May 4, 2016 Effective Date: May 1, 2016	C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$173,257		
CâI HLF PROJECTED PRORATED SALES (05/1/16-10/31/16) DEMAND COST OF GAS RATE CâI HLF COMMODITY COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL COMMODITY COSTS CâI HLF TOTAL ADJUSTED COMMODITY COSTS CâI HLF PROJECTED PRORATED SALES (05/1/16-10/31/16) INDIRECT COST OF GAS RATE S0.2103 INDIRECT COST OF GAS RATE S0.2832 COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/16 C8 ILLF COMMODITY COSTS ALLOCATED PER SMBA TOTAL CâI HLF COST OF GAS RATE S0.2832 COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/16 C8 ILLF COMMODITY COSTS ALLOCATED PER SMBA ASSA3.322 PLUS RESIDENTIAL DEMAND REALLOCATION TO CâI LLF C8 ILLF COMMODITY COSTS ALLOCATED PER SMBA PLUS RESIDENTIAL COMMODITY COSTS C8 ILLF PROJECTED PER ORRATED SALES (05/1/16-10/31/16) C8 ILLF COMMODITY COSTS ALLOCATED PER SMBA PLUS RESIDENTIAL COMMODITY COSTS C8 ILLF COMMODITY COSTS ALLOCATED PER SMBA PLUS RESIDENTIAL COMMODITY COSTS C8 ILLF TOTAL ADJUSTED COMMODITY COSTS C8 ILLF TOTAL ADJUSTED COMMODITY COSTS C8 ILLF TOTAL ADJUSTED COMMODITY COSTS C8 ILLF COST OF GAS RATE S0.30 C8 ILLF TOTAL ADJUSTED COMMODITY COSTS S629.277 C8 ILLF PROJECTED PER GAS RATE S0.2103 INDIRECT COST OF GAS RATE S0.2103 INDIRECT COST OF GAS RATE S0.3619 Issued: May 4, 2016 Effective Date: May 1, 2016		\$26,630		
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PLUS: RESIDENTIAL COMMODITY COSTS \$35 \$731,466 \$3,477,731 \$0,2103 \$1,731 \$1	DEMAND COST OF GAS RATE	\$0.0575		
PLUS: RESIDENTIAL COMMODITY COSTS \$35 \$731,466 \$3,477,731 \$0,2103 \$1,731 \$1	COLUMN COMMODITY COSTS ALL COATED DED SMDA	¢721 421		
CAI HLF TOTAL ADJUSTED COMMODITY COSTS \$731,466 3,477,731 COMMODITY COST OF GAS RATE \$0,2103				
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INDIRECT COST OF GAS \$0.0154 TOTAL C&I HLF COST OF GAS RATE \$0.2832	· · · · · · · · · · · · · · · · · · ·			
COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/16 COGwh \$0.3619 per therm	Commoditi Cool of Cholinia	\$0.2103		
COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/16	INDIRECT COST OF GAS	\$0.0154		
COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/16	TOTAL COLUMN COCT OF CAS DATE	¢o 2022		
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA \$353,322 PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF \$54,307 C&I LLF TOTAL ADJUSTED DEMAND COSTS \$407,629 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 DEMAND COST OF GAS RATE \$0.1362 C&I LLF COMMODITY COSTS ALLOCATED PER SMBA \$629,248 PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF \$30 C&I LLF TOTAL ADJUSTED COMMODITY COSTS \$629,277 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 COMMODITY COST OF GAS RATE \$0.2103 INDIRECT COST OF GAS RATE \$0.0154 TOTAL C&I LLF COST OF GAS RATE \$0.3619 Issued: May 4, 2016 Issued By: Senior Vice President	TOTAL CALLER COST OF GAS RATE	\$0.2832		
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA \$353,322 PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF \$54,307 C&I LLF TOTAL ADJUSTED DEMAND COSTS \$407,629 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 DEMAND COST OF GAS RATE \$0.1362 C&I LLF COMMODITY COSTS ALLOCATED PER SMBA \$629,248 PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF \$30 C&I LLF TOTAL ADJUSTED COMMODITY COSTS \$629,277 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 COMMODITY COST OF GAS RATE \$0.2103 INDIRECT COST OF GAS RATE \$0.0154 TOTAL C&I LLF COST OF GAS RATE \$0.3619 Issued: May 4, 2016 Issued By: Senior Vice President				
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF \$54,307 C&I LLF TOTAL ADJUSTED DEMAND COSTS \$407,629 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 DEMAND COST OF GAS RATE \$0.1362 C&I LLF COMMODITY COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF \$30 C&I LLF TOTAL ADJUSTED COMMODITY COSTS \$629,277 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 COMMODITY COST OF GAS RATE \$0.2103 INDIRECT COST OF GAS \$0.0154 TOTAL C&I LLF COST OF GAS RATE \$0.3619 Issued: May 4, 2016 Effective Date: May 1, 2016 Senior Vice President	COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/16	COGwh	\$0.3619	per therm
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF \$54,307 C&I LLF TOTAL ADJUSTED DEMAND COSTS \$407,629 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 DEMAND COST OF GAS RATE \$0.1362 C&I LLF COMMODITY COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF \$30 C&I LLF TOTAL ADJUSTED COMMODITY COSTS \$629,277 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 COMMODITY COST OF GAS RATE \$0.2103 INDIRECT COST OF GAS \$0.0154 TOTAL C&I LLF COST OF GAS RATE \$0.3619 Issued: May 4, 2016 Effective Date: May 1, 2016 Senior Vice President		Maximum (COG+25%)	\$0.4524	
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF \$54,307 C&I LLF TOTAL ADJUSTED DEMAND COSTS \$407,629 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 DEMAND COST OF GAS RATE \$0.1362 C&I LLF COMMODITY COSTS ALLOCATED PER SMBA \$629,248 PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF \$30 C&I LLF TOTAL ADJUSTED COMMODITY COSTS \$629,277 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 COMMODITY COST OF GAS RATE \$0.2103 INDIRECT COST OF GAS \$0.0154 TOTAL C&I LLF COST OF GAS RATE \$0.3619 Issued: May 4, 2016 Issued By: Effective Date: May 1, 2016 Senior Vice President		maximum (000+2370)	ψ0.4324	
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF \$54,307 C&I LLF TOTAL ADJUSTED DEMAND COSTS \$407,629 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 DEMAND COST OF GAS RATE \$0.1362 C&I LLF COMMODITY COSTS ALLOCATED PER SMBA \$629,248 PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF \$30 C&I LLF TOTAL ADJUSTED COMMODITY COSTS \$629,277 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 COMMODITY COST OF GAS RATE \$0.2103 INDIRECT COST OF GAS \$0.0154 TOTAL C&I LLF COST OF GAS RATE \$0.3619 Issued: May 4, 2016 Issued By: Effective Date: May 1, 2016 Senior Vice President				
C&I LLF TOTAL ADJUSTED DEMAND COSTS \$407,629 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 DEMAND COST OF GAS RATE \$0.1362 C&I LLF COMMODITY COSTS ALLOCATED PER SMBA \$629,248 PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF \$30 C&I LLF TOTAL ADJUSTED COMMODITY COSTS \$629,277 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 COMMODITY COST OF GAS RATE \$0.2103 INDIRECT COST OF GAS \$0.0154 TOTAL C&I LLF COST OF GAS RATE \$0.3619 Issued: May 4, 2016 Issued By: Effective Date: May 1, 2016 Senior Vice President	C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$353,322		
C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 DEMAND COST OF GAS RATE \$0.1362 C&I LLF COMMODITY COSTS ALLOCATED PER SMBA \$629,248 PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF \$30 C&I LLF TOTAL ADJUSTED COMMODITY COSTS \$629,277 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 COMMODITY COST OF GAS RATE \$0.2103 INDIRECT COST OF GAS \$0.0154 TOTAL C&I LLF COST OF GAS RATE \$0.3619 Issued: May 4, 2016 Issued By: Effective Date: May 1, 2016 Senior Vice President	PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	\$54,307		
DEMAND COST OF GAS RATE \$0.1362 C&I LLF COMMODITY COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF S30 C&I LLF TOTAL ADJUSTED COMMODITY COSTS \$629,277 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) COMMODITY COST OF GAS RATE \$0.2103 INDIRECT COST OF GAS RATE \$0.0154 TOTAL C&I LLF COST OF GAS RATE \$0.3619 Issued: May 4, 2016 Effective Date: May 1, 2016 Issued By:	C&I LLF TOTAL ADJUSTED DEMAND COSTS	\$407,629		
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA \$629,248 PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF \$30 C&I LLF TOTAL ADJUSTED COMMODITY COSTS \$629,277 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 COMMODITY COST OF GAS RATE \$0.2103 INDIRECT COST OF GAS \$0.0154 TOTAL C&I LLF COST OF GAS RATE \$0.3619 Issued: May 4, 2016 Issued By: Effective Date: May 1, 2016 Senior Vice President	C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16)	2,991,879		
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF C&I LLF TOTAL ADJUSTED COMMODITY COSTS C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) COMMODITY COST OF GAS RATE S0.2103 INDIRECT COST OF GAS TOTAL C&I LLF COST OF GAS RATE S0.3619 Issued: May 4, 2016 Effective Date: May 1, 2016 Senior Vice President	DEMAND COST OF GAS RATE	\$0.1362		
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF C&I LLF TOTAL ADJUSTED COMMODITY COSTS C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) COMMODITY COST OF GAS RATE S0.2103 INDIRECT COST OF GAS TOTAL C&I LLF COST OF GAS RATE S0.3619 Issued: May 4, 2016 Effective Date: May 1, 2016 Senior Vice President		•		
C&I LLF TOTAL ADJUSTED COMMODITY COSTS \$629,277 C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) 2,991,879 COMMODITY COST OF GAS RATE \$0.2103 INDIRECT COST OF GAS \$0.0154 TOTAL C&I LLF COST OF GAS RATE \$0.3619 Issued: May 4, 2016 Issued By: Effective Date: May 1, 2016 Senior Vice President				
C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16) COMMODITY COST OF GAS RATE S0.2103 INDIRECT COST OF GAS TOTAL C&I LLF COST OF GAS RATE S0.3619 Issued: May 4, 2016 Effective Date: May 1, 2016 Effective Date: May 1, 2016				
COMMODITY COST OF GAS RATE INDIRECT COST OF GAS TOTAL C&I LLF COST OF GAS RATE S0.2103 \$0.0154 TOTAL C&I LLF COST OF GAS RATE \$0.3619 Issued: May 4, 2016 Effective Date: May 1, 2016 Senior Vice President				
INDIRECT COST OF GAS TOTAL C&I LLF COST OF GAS RATE \$0.0154 \$0.3619 Issued: May 4, 2016 Effective Date: May 1, 2016 Senior Vice President	· · · · · · · · · · · · · · · · · · ·			
TOTAL C&I LLF COST OF GAS RATE \$0.3619 Issued: May 4, 2016 Effective Date: May 1, 2016 Senior Vice President	COMMODITY COST OF GAS RATE	\$0.2103		
Issued: May 4, 2016 Effective Date: May 1, 2016 Issued By: Senior Vice President	INDIRECT COST OF GAS	\$0.0154		
Issued: May 4, 2016 Effective Date: May 1, 2016 Issued By: Senior Vice President	TOTAL COLLECTOR CAS DATE	¢0.2640		
Effective Date: May 1, 2016 Senior Vice President	TOTAL CALLE COST OF GAS KATE	\$0.3619		
Effective Date: May 1, 2016 Senior Vice President			,	_
Effective Date: May 1, 2016 Senior Vice President			LLLH/	000
		Issued By:	13220	
Authorized by NHPUC Order No. 25,891, in Docket No. DG 16-309, dated April 29, 2016		-	Senior Vice	President
	Authorized by NHPUC Order No. 25,891, in Docket No. DG 16-309, dated April	29, 2016		

Senior Vice President

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION SUMMER SEASON RESIDENTIAL RATES

	Summer Season		Total	Total Bille	d Rates
	May 2016 - October 2016	Tariff	Delivery Rates	Tariff Rate	s, LDAC
		Rates	(Includes LDAC)	Plus Cost	of Gas
Residential Heating	Tariff Rate R 5:				
	Monthly Customer Charge	\$21.36	\$21.36		\$21.36
	First 50 therms	\$0.5449	\$0.5823	\$0.9019	
	All usage over 50 therms	\$0.5449	\$0.5823	\$0.9019	
	LDAC	\$0.0374			
	Gas Cost Adjustment:				
	Cost of Gas	\$0.3196			
Residential Heating	Tariff Rate R 10:				
Low Income	Monthly Customer Charge	\$8.54	\$8.54		\$8.54
Low meanic	First 50 therms	\$0.2179	\$0.2553	\$0.5749	ψοιο .
	All usage over 50 therms	\$0.2179	\$0.2553	\$0.5749	
	LDAC	\$0.0374	40.2000	ψοιοτ ισ	
	Gas Cost Adjustment:	40.007 .			
	Cost of Gas	\$0.3196			
Residential Non-Heating	Tariff Rate R 6:				
	Monthly Customer Charge	\$21.36	\$21.36		\$21.36
	First 10 therms	\$0.4214	\$0.4588	\$0.7784	•
	All usage over 10 therms	\$0.4214	\$0.4588	\$0.7784	
	LDAC	\$0.0374	·		
	Gas Cost Adjustment:				
	Cost of Gas	\$0.3196			
<u> </u>	T 1// D 4 D 44	Г	Г		
Residential Non-Heating	Tariff Rate R 11:	M45.50	A45 50		645 50
Low Income	Monthly Customer Charge	\$15.52	\$15.52	#0.0700	\$15.52
	First 10 therms	\$0.3196	\$0.3570	\$0.6766 \$0.6766	
	All usage over 10 therms	\$0.3196	\$0.3570	\$0.6766	
	LDAC	\$0.0374			
	Gas Cost Adjustment:	60.2400			
	Cost of Gas	\$0.3196			

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NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION SUMMER SEASON C&I RATES

	Summer Season May 2016 - October 2016	Tariff Rates	Total Delivery Rates (Includes LDAC)	Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas
C&I Low Annual/High Winter	Tariff Rate G 40: Monthly Customer Charge First 75 therms All usage over 75 therms LDAC Gas Cost Adjustment: Cost of Gas	\$67.45 \$0.1615 \$0.1615 \$0.0223	\$0.1838	\$67.45 \$0.5457 \$0.5457
C&I Low Annual/Low Winter	Tariff Rate G 50: Monthly Customer Charge First 75 therms All usage over 75 therms LDAC Gas Cost Adjustment: Cost of Gas	\$67.45 \$0.1615 \$0.1615 \$0.0223 \$0.2832	\$0.1838	\$67.45 \$0.4670 \$0.4670
C&I Medium Annual/High Winter	Tariff Rate G 41: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$196.73 \$0.1622 \$0.0223 \$0.3619	·	\$196.73 \$0.5464
C&I Medium Annual/Low Winter	Tariff Rate G 51: Monthly Customer Charge First 1,000 therms All usage over 1,000 therms LDAC Gas Cost Adjustment: Cost of Gas	\$196.73 \$0.1183 \$0.0958 \$0.0223 \$0.2832	\$0.1406	\$196.73 \$0.4238 \$0.4013
C&I High Annual/High Winter	Tariff Rate G 42: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,124.19 \$0.1066 \$0.0223 \$0.3619		\$1,124.19 \$0.4908
C&I High Annual/Low Winter	Tariff Rate G 52: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,124.19 \$0.0707 \$0.0223 \$0.2832		\$1,124.19 \$0.3762

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Title: Senior Vice President

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION SUMMER SEASON C&I RATES

	Summer Season		Total
	May 2016 - October 2016	Tariff	Delivery Rates
	May 2010 - October 2010	Rates	(Includes LDAC)
CO. I. a A. a al /II i.a.b. \A/i.a.b.a.	Toriff DataT 40.	Nates	(IIICIUUES LDAC)
C&I Low Annual/High Winter	Tariff RateT 40:	007.45	007.45
	Monthly Customer Charge	\$67.45	\$67.45
	First 75 therms	\$0.1615	\$0.1838
	All usage over 75 therms	\$0.1615	\$0.1838
	LDAC	\$0.0223	
C&I Low Annual/Low Winter	Tariff Rate T 50:		
ear zow / amada, zow winter	Monthly Customer Charge	\$67.45	\$67.45
	First 75 therms	\$0.1615	\$0.1838
			•
	All usage over 75 therms	\$0.1615	\$0.1838
	LDAC	\$0.0223	
C&I Medium Annual/High Winter	Tariff Rate T 41:		
	Monthly Customer Charge	\$196.73	\$196.73
	All usage	\$0.1622	\$0.1845
	LDAC	\$0.0223	
	LDAG	ψ0.0223	
C&I Medium Annual/Low Winter	Tariff Rate T 51:		
	Monthly Customer Charge	\$196.73	\$196.73
	First 1,000 therms	\$0.1183	\$0.1406
	All usage over 1,000 therms	\$0.0958	\$0.1181
	LDAC	\$0.0223	
COLUMN A	Towiff Date T 40:		
C&I High Annual/High Winter	Tariff Rate T 42:		
	Monthly Customer Charge	\$1,124.49	\$1,124.49
	All usage	\$0.1066	\$0.1289
	LDAC	\$0.0223	
	•	1 +	
C&I High Annual/Low Winter	Tariff Rate T 52:		
	Monthly Customer Charge	\$1,124.49	\$1,124.49
	All usage	\$0.0707	\$0.0930
	All usage	ψο.στοτ	ψ0.0330
	LDAC	\$0.0223	
C&I Interruptible Transportation	Tariff Rate IT:		
	Monthly Customer Charge	\$170.21	\$170.21
	First 20,000 therms	\$0.0407	\$0.0407

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