

LIBERTY UTILITIES-KEENE DIVISION

CALCULATION OF COST OF GAS RATE
SUPPLY / DEMAND BALANCE
SUMMER PERIOD 2022

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	PRIOR	Actual May-22	Actual Jun-22	Actual Jul-22	Actual Aug-22	Actual Sep-22	Actual Oct-22	TOTAL
PROPANE COSTS								
1 PROPANE FIRM SENDOUT (therms)								
2 COMPANY USE (therms)								
3 TOTAL PROPANE SENDOUT (therms)								
4 COST PER THERM (WACOG)		\$1,6164	\$1,6534	\$1,6395	\$1,6296	\$1,5813	\$1,5377	
5 TOTAL CALCULATED COST OF PROPANE		\$82,525	\$65,339	\$62,236	\$61,479	\$68,081	\$119,762	\$459,422
6 PROPANE ADJUSTMENTS		\$1	(\$0)	\$1	\$0	\$0	\$0	\$2
7 TOTAL COST OF PROPANE		\$82,526	\$65,339	\$62,237	\$61,479	\$68,081	\$119,762	\$459,424
CNG COSTS								
8 CNG SENDOUT (therms)								
9 COMPANY USE (therms)								
10 TOTAL CNG SENDOUT (therms)								
11 COST PER THERM								
12 TOTAL CALCULATED COST OF CNG								
13 CNG DEMAND CHARGES								
14 CNG ADJUSTMENTS			(\$354)	\$219	\$40	(\$41)	\$184	(\$13,959)
15 JE TO MOVE COSTS FROM SUMMER TO WINTER								
16 TOTAL CALCULATED COST OF CNG PLUS DEMAND CHARGES AND ADJUSTMENTS								
17 CNG PER THERM RATE								
18 INCREMENTAL COSTS SUMMER 2019 PER Order # 26,505 in DG 20-105								
19 INCREMENTAL COSTS SUMMER 2020 PER Order # 26,505 in DG 20-105								
20 INCREMENTAL COSTS SUMMER 2021								
21 PROJECTED INCREMENTAL COSTS SUMMER 2022								
22 NET INCREMENTAL COSTS								
23 TOTAL CNG COSTS								
24 FPO PREMIUM		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
25 TOTAL COSTS OF GAS								
26 RETURN ON INVENTORY		\$0	\$0	\$0	\$0	\$0	\$0	\$0
REVENUES								
27 BILLED FPO SALES (therms)		0	0	0	0	0	0	0
28 COG FPO RATE		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
29 BILLED FPO REVENUES		\$0	\$0	\$0	\$0	\$0	\$0	\$0
30 BILLED NON-FPO SALES PRIOR MONTH (therms)		0	8,515	12,315	12,803	12,654	3,665	49,952
31 COG NON-FPO RATE PRIOR MONTH		\$0.0000	\$2,4835	\$1,6220	\$2,0198	\$1,8336	\$2,0114	
32 BILLED NON-FPO REVENUES		\$0	\$21,147	\$19,976	\$25,860	\$23,202	\$7,372	\$97,555
33 BILLED NON-FPO SALES CURRENT MONTH (therms)		37,681	35,831	32,777	33,353	33,413	11,821	184,876
34 COG NON-FPO RATE CURRENT MONTH		\$2,4835	\$1,6220	\$2,0198	\$1,8336	\$2,0114	\$1,9203	
35 BILLED NON-FPO REVENUES		\$93,580	\$58,118	\$66,204	\$61,156	\$67,207	\$22,700	\$368,964
36 BILLED SALES OTHER PRIOR PERIODS		180	0	4	16	(17)	1	184
37 COG OTHER PRIOR PERIODS BLENDED RATE		\$1,2524	\$0.0000	\$2,4825	\$1,6220	\$2,0732	\$1,8336	
38 BILLED OTHER PRIOR PERIODS REVENUES		\$225	\$0	\$10	\$26	(\$35)	\$2	\$228
39 TOTAL SALES		37,860	44,346	45,097	46,172	46,049	15,487	235,012
40 TOTAL BILLED REVENUES		\$93,805	\$79,265	\$86,189	\$87,042	\$90,373	\$30,074	\$466,747
41 UNBILLED REVENUES (NET)		\$5,622	\$14,976	(\$12,755)	\$15,602	(\$23,444)	\$156,861	\$156,861
42 TOTAL REVENUES		\$99,427	\$94,240	\$73,434	\$102,643	\$66,929	\$186,935	\$623,608
43 (OVER)/UNDER COLLECTION		\$17,999	(\$49,784)	\$3,319	(\$25,544)	\$19,628	(\$44,427)	(\$78,810)
44 INTEREST AMOUNT			192.37	135.95	\$75	\$40	(\$23)	\$455
45 FINAL (OVER)/UNDER COLLECTION	\$63,748	\$18,192	(\$49,648)	\$3,394	(\$25,504)	\$19,662	(\$44,450)	(\$14,607)

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LIBERTY UTILITIES-KEENE DIVISION
CALCULATION OF PURCHASED GAS COSTS
SUMMER PERIOD 2022

LINE NO.		actual May-22	actual Jun-22	actual Jul-22	actual Aug-22	actual Sep-22	actual Oct-22	TOTAL
1	TOTAL SENDOUT (therms)							
2	CHANGE TO ENDING INVENTORY BALANCE (therms)							
3	TOTAL REQUIRED PURCHASES (therms)	64,714	50,197	50,197	48,127	55,894	96,165	365,294
4	PROPANE PURCHASE STABILIZATION PLAN DELIVERIES							
5	Therms	-	-	-	-	-	-	-
6	<u>RATES</u> - from Schedule D							
7	Contract Price	\$0.0000	\$0.0000	\$0.0000	\$0 0000	\$0.0000	\$0.0000	
8	Broker Fee	incl.	incl.	incl.	incl.	incl.	incl.	
9	Pipeline Fee	incl.	incl.	incl.	incl.	incl.	incl.	
10	PERC Fee	incl.	incl.	incl.	incl.	incl.	incl.	
11	Trucking Fee	incl.	incl.	incl.	incl.	incl.	incl.	
12	COST PER GALLON	\$0.0000	\$0.0000	\$0.0000	\$0 0000	\$0.0000	\$0.0000	
13	TOTAL COST - Propane Purchase Stabilization Plan Deliveries	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	AMHERST STORAGE PROPANE DELIVERIES							
15	Therms	-	-	-	-	-	-	-
16	<u>RATES</u> - from Schedule F							
17	WACOG Price	\$0.0000	\$0.0000	\$0.0000	\$0 0000	\$0.0000	\$0.0000	
18	Trucking Fee	\$0.0000	\$0.0000	\$0.0000	\$0 0000	\$0.0000	\$0.0000	
19	COST PER GALLON	\$0.0000	\$0.0000	\$0.0000	\$0 0000	\$0.0000	\$0.0000	
20	TOTAL COST - Amherst Storage Propane Deliveries	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21	CNG DELIVERIES	actual	actual	actual	actual	actual	actual	
22	Therms							
23	RATE							
24	PRICE							
25	COST PER Therm							
26	COST - CNG							
27	DEMAND FIXED							
28	COST PER Therm							
29	TOTAL CNG							
30	SPOT PURCHASES	actual	actual	actual	actual	actual	actual	
31	Therms	53,843	44,575	27,398	35,876	54,758	81,584	298,034
32	<u>RATES</u> - from Schedule C							
33	Mont Belvieu							
34	Broker Fee							
35	Pipeline Fee							
36	PERC Fee							
37	Supplier Charge							
38	Trucking Fee							
39	COST PER GALLON - Market Quotes							
40	COST PER THERM - Market Quotes							
41	TOTAL COST - Spot Purchases							
42	OTHER ITEMS							
43	Storage - Winter Period 2019-2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0
44	Refund of Deferred Revenue Surcharge over collection	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45	TOTAL OTHER ITEMS	\$0	\$0	\$0	\$0	\$0	\$0	\$0
46	TOTAL							
47	THERMS	67,503	55,255	37,738	46,276	67,598	99,864	374,234
48	SENDOUT THERMS	64,714	50,197	50,197	48,127	55,894	96,165	365,294
49	COST	\$114,420	\$95,280	\$60,996	\$75,740	\$101,362	\$141,868	\$589,664
50	COST PER THERM	\$1.6950	\$1.7244	\$1.6163	\$1 6367	\$1.4995	\$1.4206	\$1.5757

LIBERTY UT LIT ES-KEENE DIVISION

PROPANE INVENTORY & WEIGHTED AVERAGE COST OF PROPANE CALCULATION
SUMMER PERIOD 2022

LINE NO.		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
		<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>	<u>CNG therms</u>	<u>Cost</u>	<u>Total Sendout</u>	<u>Total Cost</u>	<u>Therm Rate</u>
								(1)+(5)	(2)+(6)	(8) / (7)
1	May 2022 (actual)									
2	Beginning Balance	50,368	\$75,511	\$1.4992	\$1.3718					
3	Purchases Received	53,843	\$92,939	\$1.7261	\$1.5794					
4	Total Available	104,211	\$168,450	\$1.6164	\$1.4791					
5	Less Sendout	51,054	\$82,525	\$1.6164	\$1.4791					
6	Ending Balance	53,157	\$85,925	\$1.6164	\$1.4791					
7	June 2022 (actual)									
8	Beginning Balance	53,157	\$85,925	\$1.6164	\$1.4791					
9	Purchases Received	44,575	\$75,670	\$1.6976	\$1.5533					
10	Total Available	97,732	\$161,595	\$1.6534	\$1.5129					
11	Less Sendout	39,517	\$65,339	\$1.6534	\$1.5129					
12	Ending Balance	58,215	\$96,256	\$1.6535	\$1.5129					
13	July 2022 (actual)									
14	Beginning Balance	58,215	\$96,256	\$1.6535	\$1.5129					
15	Purchases Received	27,398	\$44,108	\$1.6099	\$1.4731					
16	Total Available	85,613	\$140,363	\$1.6395	\$1.5002					
17	Less Sendout	37,960	\$62,236	\$1.6395	\$1.5002					
18	Ending Balance	47,653	\$78,127	\$1.6395	\$1.5002					
19	August 2022 (Actual)									
20	Beginning Balance	47,653	\$78,127	\$1.6395	\$1.5002					
21	Purchases Received	154,719	\$251,655	\$1.5636	\$1.4308					
22	Total Available	202,372	\$329,783	\$1.6296	\$1.4911					
23	Less Sendout	37,727	\$61,479	\$1.6296	\$1.4911					
24	Ending Balance	164,645	\$268,304	\$1.6296	\$1.4911					
25	September 2022 (actual)									
26	Beginning Balance	164,645	\$268,304	\$1.6296	\$1.4911					
27	Purchases Received	54,758	\$78,635	\$1.4361	\$1.3140					
28	Total Available	219,403	\$346,939	\$1.5813	\$1.4469					
29	Less Sendout	43,054	\$68,081	\$1.5813	\$1.4469					
30	Ending Balance	176,349	\$278,858	\$1.5813	\$1.4469					
31	October 2022 (actual)									
32	Beginning Balance	176,349	\$278,858	\$1.5813	\$1.4469					
33	Purchases Received	81,584	\$117,761	\$1.4434	\$1.3208					
34	Total Available	257,933	\$396,619	\$1.5377	\$1.4070					
35	Less Sendout	77,885	\$119,762	\$1.5377	\$1.4070					
36	Ending Balance	180,048	\$276,857	\$1.5377	\$1.4070					
37	AVERAGE SUMMER RATE - SENDOUT									

LIBERTYUTILITIES-KEENE DIVISION

ACTUAL INCREMENTAL SAVINGS CNG VS. SPOT PROPANE SUMMER 2022

	Actual May-22	Actual Jun-22	Actual Jul-22	Actual Aug-22	Actual Sep-22	Actual Oct-22
CNG PURCHASES						
CNG Volumes (Schedule K)	[REDACTED]					
CNG Costs (Schedule K)	[REDACTED]					
Total Cost per Actual CNG Costs (Schedule K)	[REDACTED]					
CNG Cost Per Therm Actual	[REDACTED]					
SPOT PROPANE PURCHASES						
Spot Propane Volumes (Schedule K)	[REDACTED]					
Total Costs Spot Propane	[REDACTED]					
Total Cost Spot Propane	[REDACTED]					
Spot Propane Cost Per Therm Actual	\$ 1.7261	\$ 1.6976	\$ 1.6099	\$ 1.5636	\$ 1.4361	\$ 1.4434
CNG Volumes	[REDACTED]					
Price difference CNG vs Spot Propane	[REDACTED]					
Adj. for rounding	[REDACTED]					
Incremental Costs Propane	[REDACTED]					

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Allowed Recoverable Costs \$ 2,506

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LIBERTY UTILITIES-KEENE DIVISION

CONVERSION OF COSTS - GALLONS TO THERMS
SUMMER PERIOD 2022

	(1)	(2)	(3)	(4)	(5)	(6)
			VOLUMES		UNIT COST	
	<u>UNIT</u>	<u>CONVERSION FACTOR</u>	<u>GALLONS</u>	<u>THERMS</u>	<u>PER GALLON</u>	<u>PER THERM</u>
1 GAS FROM INVENTORY	GALLONS	0.91502	████████████████████	████████████████████	\$1.4637	\$1.5997
2 GAS FROM CNG	THERMS	N/A	N/A	████████████████████	N/A	████████████████████
3 TOTAL				374,234		

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