CONVERSION OF GAS COSTS - GALLONS TO THERMS SUMMER PERIOD 2019

	(1)	(2)	(3)	(4)	(5)	(6)
			VOLU	IMES	<u> </u>	
	UNIT	CONVERSION <u>FACTOR</u>	<u>GALLONS</u>	THERMS	PER <u>GALLO</u>	PER <u>N THERM</u>
PROPANE FROM INVENTORY	GALLONS	0.91502	398,568	364,698	\$1.16	01 \$1.2678

REVISED SCHEDULE B

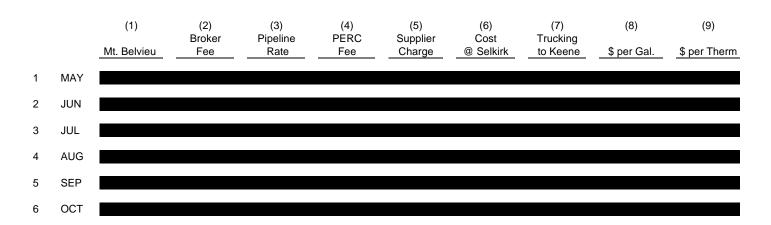
LIBERTY UTILITIES - KEENE DIVISION

CALCULATION OF COST OF GAS RATE SUPPLY / DEMAND BALANCE SUMMER PERIOD 2019

		PRIOR	MAY-19	JUN-19	JUL-19	AUG-19	SEP-19	OCT-19	TOTAL
	<u>SENDOUT (THERMS)</u>								
1	FIRM SENDOUT *		66,928	45,146	41,486	46,603	52,368	98,008	350,539
2	COMPANY USE		2,356	2,202	2,044	1,933	2,259	3,365	14,159
3	TOTAL SENDOUT		69,284	47,348	43,530	48,536	54,627	101,373	364,698
4	* UNACCTED FOR VOLS INCLUDED		2,100	1,417	1,302	1,463	1,643	3,076	11,001
	<u>COSTS</u>								
5	PROPANE SENDOUT FROM ABOVE		69,284	47,348	43,530	48,536	54,627	101,373	364,698
6	COST/THERM FROM SCHEDULE D		\$1.1942	\$1.1548	\$1.1398	\$1.1061	\$1.0961	\$1.0915	\$1.1276
7	PRODUCTION COSTS [1]		\$8,521	\$8,521	\$8,521	\$8,521	\$8,521	\$8,521	\$51,127
8	TOTAL PROPANE COSTS		\$91,259	\$63,198	\$58,135	\$62,208	\$68,395	\$119,172	\$462,368
	REVENUES								
9	FIRM SALES (THERMS)		103,271	64,474	39,325	38,527	55,316	49,594	350,507
10	RATE/THERM PER TARIFF		\$1.1071	\$1.1071	\$1.1071	\$1.1071	\$1.1071	\$1.1071	\$1.1071
11	TOTAL REVENUES		\$114,331	\$71,379	\$43,537	\$42,653	\$61,240	\$54,906	\$388,046
12	(OVER)/UNDER COLLECTION		(\$23,072)	(\$8,181)	\$14,598	\$19,555	\$7,155	\$64,266	\$74,322
13	INTEREST FROM SCHEDULE F		(\$384)	(\$457)	(\$445)	(\$368)	(\$309)	(\$147)	(\$2,110)
14	FINAL (OVER)/UNDER COLLECTION	(\$72,208)	(\$23,456)	(\$8,638)	\$14,153	\$19,187	\$6,846	\$64,119	\$4

[1] Production cost estimates are the audit staff recommended production costs allowed in the 2018 Keene Summer COG audit

PROPANE SPOT MARKET PURCHASE COST ANALYSIS SUMMER PERIOD 2019



NOTE: Summer spot purchases are based on market quotes from local suppliers. The above schedule provides a breakdown of the quote taken at the time (Feb 28th)

1. Propane futures market quotations (cmegroup.com) on 03/11/19 close. See Appendix 1.

- 2. A generally accepted standard broker fee
- 3. Summer prices are quoted on a delivered basis with pipeline charges embedded in delivered price
- 4. Propane Education Research Council (propanecouncel.org)
- 5. Supplier charge
- 6. Selkirk Cost all fees plus propane cost
- 7. Northern Gas Transport trucking rate including diesel fuel surcharge. See Appendix 3A & 3B.
- 8. Delivered Price per Gallon
- 9. Delivered Price per therm as converted using per gallon price / .91502

PROPANE INVENTORY & WEIGHTED AVERAGE COST OF GAS CALCULATION SUMMER PERIOD 2019

LINE NO	l.							
				Ra				
1	May 2019 (Forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>			
2	Beginning Balance	59,650	\$83,576	\$1.4011	\$1.2820			
3	Purchases Received	70,000	\$71,250	\$1.0179	\$0.9314			
4	Total Available	129,650	\$154,826	\$1.1942	\$1.0927			
5	Less Sendout	69,284	\$82,738	\$1.1942	\$1.0927		69,284	\$82,738
6	Ending Balance	60,366	\$72,088	\$1.1942	\$1.0927		00,20	<i>vo_</i> , <i>vo</i>
Ũ		00,000	φ12,000	φ1.1012	\$1.00E			
_			•	<u>Ra</u>				
7	June 2019 (Forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>			
8	Beginning Balance	60,366	\$72,088	\$1.1942	\$1.0927			
9	Purchases Received	50,000	\$55,361	\$1.1072	\$1.0131			
10	Total Available	110,366	\$127,449	\$1.1548	\$1.0567			
11	Less Sendout	47,348	\$54,677	\$1.1548	\$1.0567		47,348	\$54,677
12	Ending Balance	63,018	\$72,772	\$1.1548	\$1.0567		,	· -)-
		,	÷,	•••••	•			
40		-	0	Ra				
13	July 2019 (Forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>			
14	Beginning Balance	63,018	\$72,772	\$1.1548	\$1.0567			
15	Purchases Received	40,000	\$44,644	\$1.1161	\$1.0213			
16	Total Available	103,018	\$117,416	\$1.1398	\$1.0429			
17	Less Sendout	43,530	\$49,614	\$1.1398	\$1.0429		43,530	\$49,614
18	Ending Balance	59,488	\$67,802	\$1.1398	\$1.0429			
				De	to			
19	August 2019 (Forecasted)	Thorme	Cost	Ra Thorm	<u>Gal.</u>			
19	August 2019 (Forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gai.</u>			
20	Beginning Balance	59,488	\$67,802	\$1.1398	\$1.0429			
21	Purchases Received	45,000	\$47,774	\$1.0616	\$0.9714			
22	Total Available	104,488	\$115,576	\$1.1061	\$1.0121			
23	Less Sendout	48,536	\$53,687	\$1.1061	\$1.0121		48,536	\$53,687
24	Ending Balance	55,952	\$61,889	\$1.1061	\$1.0121			
				Ra	to			
25	September 2019 (Forecasted)	Therms	Cost	Therm	<u>Gal.</u>			
25	September 2019 (1 brecasted)	11101113	0031		<u>0al.</u>			
26	Beginning Balance	55,952	\$61,889	\$1.1061	\$1.0121			
27	Purchases Received	55,000	\$59,719	\$1.0858	\$0.9935			
28	Total Available	110,952	\$121,608	\$1.0960	\$1.0029			
29	Less Sendout	54,627	\$59,874	\$1.0961	\$1.0029		54,627	\$59,874
30	Ending Balance	56,325	\$61,734	\$1.0960	\$1.0029			
				De				
31	October 2019 (Forecasted)	Thermo	Cost	<u>Ra</u> Therm				
31	October 2019 (Porecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>			
32	Beginning Balance	56,325	\$61,734	\$1.0960	\$1.0029			
33	Purchases Received	105,000	\$114,356	\$1.0891	\$0.9966			
34	Total Available	161,325	\$176,090	\$1.0915	\$0.9988			
35	Less Sendout	101,373	\$110,651	\$1.0915	\$0.9988		101,373	\$110,651
36	Ending Balance	59,952	\$65,439	\$1.0915	\$0.9988			
27	A \ /		MER RATE - :			¢1 1076	264 609	¢411 044
37	AVI	ERAGE SUM		SENDOUI		\$1.1276	364,698	\$411,241

PRIOR PERIOD (OVER)/UNDER COLLECTION SUMMER PERIOD 2018

COSTS	PRIOR	<u>May-18</u>	<u>Jun-18</u>	<u>Jul-18</u>	<u>Aug-18</u>	<u>Sep-18</u>	<u>Oct-18</u>	TOTAL
1 FIRM SENDOUT (therms)		54,606	43,521	40,184	41,458	47,691	100,163	327,623
2 COMPANY USE (therms)		2,356	2,202	2,044	1,933	2,259	3,365	14,159
3 TOTAL SENDOUT (therms)		56,962	45,723	42,228	43,391	49,950	103,528	341,782
4 COST PER THERM		\$1.2055	\$1.2025	\$1.2142	\$1.0817	\$1.1455	\$1.1903	\$1.1781
5 DIRECT PROPANE PURCHASED COSTS		\$68,665	\$55,180	\$51,369	\$47,003	\$57,218	\$123,234	\$402,669
6 PROPANE COST ADJUSTMENTS		(\$155,515)	\$0	\$0	\$145,836	\$32,481	\$38,782	\$61,584
7 CNG DEMAND CHARGES		\$10,417	(\$2,083)	\$4,167	\$4,167	\$4,167	\$4,167	\$25,000
8 UNAPPROVED CNG CHARGES		(\$10,417)	\$2,083	(\$4,167)	(\$4,167)	(\$4,167)	(\$4,167)	(\$25,000)
9 TOTAL PROPANE COSTS		(\$86,850)	\$55,180	\$51,369	\$192,839	\$89,699	\$162,016	\$464,252
REVENUES								
10 FIRM SALES (therms)		111,579	53,960	39,256	37,988	46,254	47,591	336,628
11 AVERAGE RATE PER THERM		\$1.4130	\$1.0173	\$1.0356	\$1.0020	\$0.6015	\$0.6322	\$1.0160
12 TOTAL BILLED REVENUES		\$157,664	\$54,894	\$40,652	\$36,093	\$34,834	\$40,793	\$364,930
13 UNBILLED REVENUES		\$65,772	(\$27,864)	(\$2,433)	(\$9,099)	\$5,339	\$75,019	\$106,734
14 TOTAL REVENUES		\$223,436	\$27,030	\$38,219	\$26,994	\$40,173	\$115,812	\$471,664
15 (OVER)/UNDER COLLECTION		(\$310,286)	\$28,150	\$13,149	\$165,845	\$49,526	\$46,204	(\$7,413)
16 INTEREST AMOUNT		(\$204)	(\$733)	(\$336)	\$18	\$158	\$404	(\$691)
17 TOTAL (OVER)/UNDER COLLECTION - FINAL	\$99,350	(\$310,490)	\$27,416	\$12,814	\$165,863	\$49,684	\$46,608	\$91,245

INTEREST CALCULATION SUMMER PERIOD 2019

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
		BEG. OF	(OVER)		END OF	AVERAGE	ANNUAL		MONTH END	
	MONTH	MONTH	UNDER		MONTH	BALANCE	INTEREST	INTEREST	BAL. WITH	
LINE	MONTH	BALANCE	COLLECT	REFUNDS	BALANCE	COL.	RATE	AMOUNT	INTEREST	
NO.					(COL.1+2+3)	(COL. [1+4]/2)			(COL. 4+7)	
1	NOV 2018	\$91,245	\$0	\$0	\$91,245	\$91,245	5.25%	\$399	\$91,644	
2	DEC	91,644	0	0	91,644	91,644	5.50%	420	92,064	
3	JAN 2019	92,064	0	0	92,064	92,064	5.50%	422	92,486	
4	FEB	92,486	0	0	92,486	92,486	5.50%	424	92,910	
5	MAR	92,910	0	0	92,910	92,910	5.50%	426	93,336	
6	APR	93,336	0	0	93,336	93,336	5.50%	428	(72,208)	
7	MAY	(72,208)	(23,072)	0	(95,279)	(83,743)	5.50%	(384)	(95,663)	
8	JUN	(95,663)	(8,181)	0	(103,844)	(99,754)	5.50%	(457)	(104,301)	
9	JUL	(104,301)	14,598	0	(89,703)	(97,002)	5.50%	(445)	(90,148)	
10	AUG	(90,148)	19,555	0	(70,593)	(80,370)	5.50%	(368)	(70,961)	
11	SEP	(70,961)	7,155	0	(63,806)	(67,383)	5.50%	(309)	(64,115)	
12	OCT	(64,115)	64,266	0	151	(31,982)	5.50%	(147)	4	
13										
14								\$409	_	
									_	
4.5										
15	=	COL. 1, LINE 1		+	COL. 7, LINES	51106				
16	=	91,245		+	2,519	=	93,764	@ MAY 1, 20)19	
		, -			, -	-			R TO SCHEDUL	E B. LINE 13)
								(JNDER COLUMN 2 LINES
								,011220070		

[1] PUC audit staff's recommended adjustments to the summer 2018 Cog reconciliation are included in column 8 line 6

REVISED SCHEDULE G

	LIBERTY UTILITIES - KEENE DIVISION Weather Normalization - Firm Sendout														
						Weather Norm	alization - Fir	m Sendout		-					
				Actual	Normal										
	Actual			Calendar	Calendar		Actual Unit			Normalized	Actual	Unaccounted	Total		
	Firm			Month	Month	Colder (Warmer)	Heat Load	Weather	Normal	Firm	Company	For	Firm		
Period	Sendout	Base Use	Heat Use	Degree Days	Degree Days	Than Normal	Therm/DD	Adjustment	Heat Load	Sendout	Use	3.24%	Sendout		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)		
			(1) - (2)			(4) - (5)	(3) / (4)	(6) X (7)	(3) + (8)	(1) - (3) + (9)		(10 - 11) * 3.24%	(10) - (11) +(12)		
May-18	56,962	42,810	14,153	162	279	(117)	87.36	10,221	24,374	67,183	2,356	2,100	66,928		
Jun-18	45,723	42,810	2,914	70	75	(5)	41.62	208	3,122	45,931	2,202	1,417	45,146		
Jul-18	42,228	42,810	0	1	12	(11)	0.00	0	0	42,228	2,044	1,302	41,486		
Aug-18	43,391	42,810	582	3	22	(19)	193.83	3,683	4,264	47,074	1,933	1,463	46,603		
Sep-18	49,950	42,810	7,141	113	161	(48)	63.19	3,033	10,174	52,983	2,259	1,643	52,368		
Oct-18	103,528	42,810	60,719	534	488	46	113.71	(5,230)	55,488	98,298	3,365	3,076	98,008		
Total	341,782	256,857	85,507	883	1,037	(154)		11,915	97,421	353,697	14,159	11,001	350,539		

REVISED SCHEDULE H

	LIBERTY UTILITIES - KEENE DIVISION Revised Weather Normalization - Sales Rate Residential														
Period	Billing Cycle Customers	Billing Cycle Sales	Base Load	Heating Load	Billing Cycle Monthly Actual Degree Days	Billing Cycle Monthly Normal Degree Days	Colder (Warmer) Than Normal	Actual Unit Heat Load Therm/DD	Weather Adjustment	Normal Heat Load	Normal Firm Billing Cycle Therms				
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)				
				(1) - (2)			(4) - (5)	(3) / (4)	(6) X (7)	(3) + (8)	(1) - (3) + (9)				
May-18	792	20,176	6,971	13,206	602	539	63	21.94	(1,382)	11,824	18,794				
Jun-18	893	10,835	6,971	3,865	148	248	(100)	26.11	2,611	6,476	13,446				
Jul-18	892	7,650	6,971	680	59	65	(6)	11.52	69	749	7,719				
Aug-18	880	6,291	6,971	0	1	14	(13)	0.00	0	0	6,291				
Sep-18	885	8,028	6,971	1,058	23	47	(24)	45.98	1,103	2,161	9,131				
Oct-18	864	8,533	6,971	1,563	177	211	(34)	8.83	300	1,863	8,833				
Total					1,010	1,124	(114)	23.70	2,702	23,071	64,214				

	LIBERTY UTILITIES - KEENE DIVISION Revised Weather Normalization - Sales Rate Commercial														
Period	Billing Cycle Customers	Billing Cycle Sales	Base Load	Heating Load	Billing Cycle Monthly Actual Degree Days	Billing Cycle Monthly Normal Degree Days	Colder (Warmer) Than Normal	Actual Unit Heat Load Therm/DD	Weather Adjustment	Normal Heat Load	Normal Firm Billing Cycle Therms				
		(1)	(2)	(3)	(4)	(5)	(6) (4) - (5)	(7)	(8) (6) X (7)	(9)	(10)				
May-18	457	91,438	31,651	59,787	627	554	73	95.35	(6,961)	52,826	84,477				
Jun-18 Jul-18	466 331	43,125 31,606	31,651 31,651	11,474 0	151 62	255 68	(104) (6)	75.99 0.00	7,903 0	19,377 0	51,028 31,606				
Aug-18 Sep-18	324 315	31,696 38,226	31,651 31,651	45 6,575	1 19	13 42	(12) (23)	45.00 346.05	540 7,959	585 14,534	32,236 46,185				
Oct-18	313	39,059	31,651	7,408	161	198	(37)	46.01	1,702	9,110	40,761				
Total		275,150	189,906	85,289	1,021	1,130	(109)	102.23	11,143	96,432	286,293				

Summary - Total Summer Season Billed Sales

	Actual 2018	Normalized
May	111,614	103,271
June	53,960	64,474
July	39,256	39,325
August	37,987	38,527
September	46,254	55,316
October	47,592	49,594
Total	336,663	350,507

REVISED SCHEDULE I-1

LIBERTY UTILITIES - KEENE DIVISION Typical Residential Heating Bill - Fixed Price Option Program Forecasted 2019 Summer Period vs. Actual 2018 Summer Perioc

		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1 2	12 MONTHS ENDED 10/2018	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	Winter Nov-Apr	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Summer May-Oct	Total Nov-Oct
3 4	Typical Usage - therms (1) Residential Heating	64	120	158	251	245	132	970	91	28	14	10	9	20	172	1,142
5 6	Customer Charge Delivery Charge: <u>Winter Summer</u>	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$54.00	\$14.88	\$14.88	\$14.88	\$14.88	\$14.88	\$14.88	\$89.28	\$143.28
7 8 9	First 80 therms @ \$1.1522 \$0.5580 Next 120 therms @ \$0.9442 \$0.5580 Over 200 therms @ \$0.7946 \$0.5580	\$73.74 \$0.00 \$0.00	\$92.18 \$37.77 \$0.00	\$92.18 \$73.65 \$0.00	\$92.18 \$113.30 \$40.52	\$92.18 \$113.30 \$35.76	\$92.18 \$49.10 \$0.00	\$534.64 \$387.12 \$76.28	\$44.64 \$6.14 \$0.00	\$15.62 \$0.00 \$0.00	\$7.81 \$0.00 \$0.00	\$5.58 \$0.00 \$0.00	\$5.02 \$0.00 \$0.00	\$11.16 \$0.00 \$0.00	\$89.83 \$6.14 \$0.00	\$624.47 \$393.26 \$76.28
10	Base Delivery Revenue Tota	\$82.74	\$138.95	\$174.83	\$255.00	\$250.24	\$150.28	\$1,052.04	\$65.66	\$30.50	\$22.69	\$20.46	\$19.90	\$26.04	\$185.25	\$1,237.29
11 12	Deferred Revenue Surcharge Rate Deferred Revenue Surcharge Tota	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.00	\$0.00
13 14	COG Rates Cost of Gas Total	\$1.2408 \$79.41	\$1.2408 \$148.90	\$1.2408 \$196.05	\$1.2408 \$311.44	\$1.2408 \$304.00	\$1.2408 \$163.79	\$1.2408 \$1,203.59	\$0.9995 \$90.95	\$1.0765 \$30.14	\$0.9752 \$13.65	\$0.7462 \$7.46	\$0.7800 \$7.02	\$1.2494 \$24.99	\$1.0128 \$174.21	\$1.2065 \$1,377.80
15 16	LDAC Rate LDAC Total	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.00	\$0.0945 \$8.60	\$0.0945 \$2.65	\$0.0945 \$1.32	\$0.0945 \$0.95	\$0.0945 \$0.85	\$0.0945 \$1.89	\$16.25	\$16.25
17	Total Bill	\$162	\$288	\$371	\$566	\$554	\$314	\$2,256	\$165	\$63	\$38	\$29	\$28	\$53	\$376	\$2,631
18 19		New 40	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	Winter	May 40	hur 40	Jul-19	Aug-19	0 40	Oct-19	Summer May-Oct	Total
	12 MONTHS ENDED 10/2019	Nov-18						Nov-Apr	May-19	Jun-19			Sep-19			Nov-Oct
20 21	Typical Usage - therms (1) <u>Residential Heating</u>	64	120	158	251	245	132	970	91	28	14	10	9	20	172	1,142
22 23	Customer Charge Delivery Charge: <u>Winter</u> <u>Summer</u>	\$15.02	\$15.02	\$15.02	\$15.02	\$15.02	\$15.02	\$90.12	\$15.02	\$15.02	\$15.02	\$15.02	\$15.02	\$15.02	\$90.12	\$180.24
24 25	First 80 therms @ \$0.5502 \$0.5502 Next 120 therms @ \$0.5502 \$0.5502	\$35.21 \$0.00	\$44.02 \$22.01	\$44.02 \$42.92	\$44.02 \$66.02	\$44.02 \$66.02	\$44.02 \$28.61	\$255.31 \$225.58	\$44.02 \$6.05	\$15.41 \$0.00	\$7.70 \$0.00	\$5.50 \$0.00	\$4.95 \$0.00	\$11.00 \$0.00	\$88.58 \$6.05	\$343.89 \$231.63
26	Over 200 therms @ \$0.5502 \$0.5502	\$0.00	\$0.00	\$0.00	\$28.06	\$24.76	\$0.00	\$52.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.82
27	Base Delivery Revenue Tota	\$50.23	\$81.05	\$101.96	\$153.12	\$149.82	\$87.65	\$623.83	\$65.09	\$30.43	\$22.72	\$20.52	\$19.97	\$26.02	\$184.75	\$808.58
28 29	Seasonal Base Delivery Difference from previous year Seasonal Percent Change from previous year							-\$428.21 -40.7%							-\$0.50 -0.3%	-\$428.71 -34.6%
30	Deferred Revenue Surcharge Rate	\$0.0000 \$0.00	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000 \$0.00	Å 0.00	\$0.0000 \$0.00	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	40.00	Aa aa
	Deferred Revenue Surcharge Tota		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
32 33	COG Rates Cost of Gas Total	\$1.3743 \$87.96	\$1.3743 \$164.92	\$1.3743 \$217.14	\$1.3743 \$344.95	\$1.3743 \$336.70	\$1.3743 \$181.41	\$1.3743 \$1,333.08	\$1.1071 \$100.75	\$1.1071 \$31.00	\$1.1071 \$15.50	\$1.1071 \$11.07	\$1.1071 \$9.96	\$1.1071 \$22.14	\$1.1071 \$190.42	\$1.3341 \$1,523.50
34	LDAC Rate	\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$0.3960	\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$0.0660		
35	LDAC Total	\$4.22	\$7.92	\$10.43	\$16.57	\$16.17	\$8.71	\$64.02	\$6.01	\$1.85	\$0.92	\$0.66	\$0.59	\$1.32	\$11.35	\$75.37
36 37	Seasonal COG Difference from previous year Seasonal Percent Change from previous year							\$129.49 10.8%							\$16.21 9.3%	\$145.70 10.6%
38	Total Bill	\$142	\$254	\$330	\$515	\$503	\$278	\$2,021 -\$234.70	\$172	\$63	\$39	\$32	\$31	\$49	\$387 \$10.81	\$2,407 -\$223.89
39 40	Seasonal Total Bill Difference from previous year Seasonal Percent Change from previous year							-10.4%							\$10.81 2.9%	-8.5%
	Seasonal Percent Change resulting from Base Rates (incl Seasonal Percent Change resulting from COG	. Def. Revenu	e Surch.)					-19.0% 5.7%							-4.5% 4.3%	-16.9% 5.5%
	Seasonal Percent Change resulting from LDAC							2.8%							-1.3%	2.2%

Residential Heating Typical Usage: Single family detached home using gas for heat, hot water and cooking.
 LDAC was included in Keene distribution rates beginning on 05/01/18, as authorized by NHPUC Order No. 26,122 dated April 27, 2018, in Docket No. DG 17-048

REVISED SCHEDULE I-2

LIBERTY UTILITIES - KEENE DIVISION Typical Residential Heating Bill - Non-Fixed Price Option Program Forecasted 2019 Summer Period vs. Actual 2018 Summer Perioc

. 1		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1 2	12 MONTHS ENDED 10/2018	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	Winter Nov-Apr	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Summer May-Oct	Total Nov-Oct
3 4	Typical Usage - therms (1) Residential Heating	64	120	158	251	245	132	970	91	28	14	10	9	20	172	1,142
5 6	Customer Charge Delivery Charge: Winter Summer	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$54.00	\$14.88	\$14.88	\$14.88	\$14.88	\$14.88	\$14.88	\$89.28	\$143.28
7 8	First 80 therms @ \$1.1522 \$0.5580 Next 120 therms @ \$0.9442 \$0.5580	\$73.74 \$0.00	\$92.18 \$37.77	\$92.18 \$73.65	\$92.18 \$113.30	\$92.18 \$113.30	\$92.18 \$49.10	\$534.64 \$387.12	\$44.64 \$6.14	\$15.62 \$0.00	\$7.81 \$0.00	\$5.58 \$0.00	\$5.02 \$0.00	\$11.16 \$0.00	\$89.83 \$6.14	\$624.47 \$393.26
9	Over 200 therms @ \$0.7946 \$0.5580	\$0.00	\$0.00	\$0.00	\$40.52	\$35.76	\$0.00	\$76.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$76.28
10	Base Delivery Revenue Tota	\$82.74	\$138.95	\$174.83	\$255.00	\$250.24	\$150.28	\$1,052.04	\$65.66	\$30.50	\$22.69	\$20.46	\$19.90	\$26.04	\$185.25	\$1,237.29
11	Deferred Revenue Surcharge Rate	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
12	Deferred Revenue Surcharge Tota	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00	\$0.00
13 14	COG Rates Cost of Gas Total	\$1.2533 \$80.21	\$1.2533 \$150.40	\$1.3008 \$205.53	\$1.5666 \$393.22	\$1.5666 \$383.82	\$1.5221 \$200.92	\$1.4578 \$1,414.10	\$0.9995 \$90.95	\$1.0765 \$30.14	\$0.9752 \$13.65	\$0.7462 \$7.46	\$0.7800 \$7.02	\$1.2494 \$24.99	\$1.0128 \$174.21	\$1.3908 \$1,588.31
15	LDAC Rate	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	1 111111	\$0.0945	\$0.0945	\$0.0945	\$0.0945	\$0.0945	\$0.0945	* ******	+ 1,
16	LDAC Total	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$8.60	\$2.6460	\$1.3230	\$0.9450	\$0.8505	\$1.8900	\$16.25	\$16.25
17	Total Bill	\$163	\$289	\$380	\$648	\$634	\$351	\$2,466	\$165	\$63	\$38	\$29	\$28	\$53	\$376	\$2,842
18								Winter							Summer	Total
19	12 MONTHS ENDED 10/2019	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	Nov-Apr	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	May-Oct	Nov-Oct
20 21	Typical Usage - therms (1) Residential Heating	64	120	158	251	245	132	970	91	28	14	10	9	20	172	1,142
22 23	Customer Charge Delivery Charge: Winter Summer	\$15.02	\$15.02	\$15.02	\$15.02	\$15.02	\$15.02	\$90.12	\$15.02	\$15.02	\$15.02	\$15.02	\$15.02	\$15.02	\$90.12	\$180.24
24	First 80 therms @ \$0.5502 \$0.5502	\$35.21	\$44.02	\$44.02	\$44.02	\$44.02	\$44.02	\$255.31	\$44.02	\$15.41	\$7.70	\$5.50	\$4.95	\$11.00	\$88.58	\$343.89
25 26	Next 120 therms @ \$0.5502 \$0.5502 Over 200 therms @ \$0.5502 \$0.5502	\$0.00 \$0.00	\$22.01 \$0.00	\$42.92 \$0.00	\$66.02 \$28.06	\$66.02 \$24.76	\$28.61 \$0.00	\$225.58 \$52.82	\$6.05 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$6.05 \$0.00	\$231.63 \$52.82
27	Base Delivery Revenue Tota	\$50.23	\$81.05	\$101.96	\$153.12	\$149.82	\$87.65	\$623.83	\$65.09	\$30.43	\$22.72	\$20.52	\$19.97	\$26.02	\$184.75	\$808.58
	Seasonal Base Delivery Difference from previous year Seasonal Percent Change from previous year							-\$428.21 -40.7%							-\$0.50 -0.3%	-\$428.71 -34.6%
30	Deferred Revenue Surcharge Rate	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
31	Deferred Revenue Surcharge Tota	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
32 33	COG Rates Cost of Gas Total	\$1.3802 \$88.33	\$1.4734 \$176.81	\$1.5311 \$241.91	\$1.5011 \$376.78	\$1.3135 \$321.81	\$1.2651 \$166.99	\$1.4151 \$1,372.63	\$1.1071 \$100.75	\$1.1071 \$31.00	\$1.1071 \$15.50	\$1.1071 \$11.07	\$1.1071 \$9.96	\$1.1071 \$22.14	\$1.1071 \$190.42	\$1.3687 \$1,563.05
34	LDAC Rate	\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$1,012.00	\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$0.0660	¢.00.12	\$1,000.00
35	LDAC Total	\$4.22	\$0.0000 \$7.92	\$10.43	\$16.57	\$16.17	\$8.71	\$64.02	\$6.00 \$6.01	\$1.85	\$0.92	\$0.66	\$0.0000 \$0.59	\$1.32	\$11.35	\$75.37
36 37	Seasonal COG Difference from previous year Seasonal Percent Change from previous year							-\$41.47 -2.9%							\$16.21 9.3%	-\$25.26 -1.6%
		\$143	\$266	\$354	\$546	\$488	\$263	\$2,060	\$172	\$63	\$39	\$32	\$31	\$49	\$387	\$2,447
40	Seasonal Total Bill Difference from previous year Seasonal Percent Change from previous year							-\$405.66 -16.4%							\$10.81 2.9%	-\$394.85 -13.9%
	Seasonal Percent Change resulting from Base Rates (incl Seasonal Percent Change resulting from COG	. Def. Revenu	e Surch.)					(\$0.17) -1.7%							-4.5% 4.3%	-15.7% -0.9%
	Seasonal Percent Change resulting from LDAC							2.6%							-1.3%	2.1%

Residential Heating Typical Usage: Single family detached home using gas for heat, hot water and cooking.
 LDAC was included in Keene distribution rates beginning on 05/01/18, as authorized by NHPUC Order No. 26,122 dated April 27, 2018, in Docket No. DG 17-048

REVISED SCHEDULE J-1 REDACTED

LIBERTY UTILITIES - KEENE DIVISION

BID PREMIUM FOR PRE-PURCHASED GALLONS - PRIOR YEAR

	Mt. Belvieu		Pipeline	Bro	oker + Suppl	ier					Keene Div.	Contract	Keene Div.	Fixed	Plan	Contract	Plan	Cost	Per Gallon
	Price		Rate		Fee		PERC		Trucking		Price	Volumes	Cost	Basis Bid	Price	Volumes	Cost	Premium	Premium
Apr-18	\$0.7538	+	\$0.2265	+	\$0.1000	+	\$0.0045	+	\$0.0862	=	\$1.1710	115,000	\$134,667			115,000			-\$0.1022
May-18	\$0.8473	+	\$0.2265	+	\$0.1000	+	\$0.0045	+	\$0.0862	=	\$1.2645	86,250	\$109,063			86,250			-\$0.1022
Jun-18	\$0.8790	+	\$0.2265	+	\$0.1000	+	\$0.0045	+	\$0.0862	=	\$1.2962	86,250	\$111,795			86,250			-\$0.1022
Jul-18	\$0.8823	+	\$0.2265	+	\$0.1000	+	\$0.0045	+	\$0.0862	=	\$1.2995	115,000	\$149,448			115,000			-\$0.1022
Aug-18	\$0.9181	+	\$0.2265	+	\$0.1000	+	\$0.0045	+	\$0.0862	=	\$1.3353	86,250	\$115,165			86,250			-\$0.1022
Sep-18	\$1.0136	+	\$0.2265	+	\$0.1000	+	\$0.0045	+	\$0.0862	=	\$1.4308	86,250	\$123,404			86,250			-\$0.1022
Total												575,000	\$743,542			575,000	\$684,777	(\$58,765)	-\$0.1022

COMPARISON OF CONTRACT COST TO HYPOTHETICAL SPOT COST WINTER SEASON 2018-2019 TO DATE

Delivery Month	Contract Price (1)	Contract Volumes (2)	Contract Cost (3)	Average Spot Price (4)	Contract Volumes (5)	Hypothetical Spot Cost (6)	Incremental Cost / (Savings) of Plan (7)
			(1) x (2)			(4) x (5)	(3) - (6)
Nov-18	\$1.2208	75,346	\$91,979	\$1.0501	75,346	\$79,118	\$12,861
Dec-18	\$1.2212	115,000	\$140,437	\$1.0090	115,000	\$116,035	\$24,402
Jan-19	\$1.2169	134,828	\$164,069	\$1.0352	134,828	\$139,574	\$24,495
Feb-19	\$1.1979	111,034	\$133,012	\$1.0402	111,034	\$115,498	\$17,514
Total			\$529,496			\$450,224	\$79,272

17.6%

PROPANE PURCHASING STABILIZATION PLAN PRE-PURCHASES AND DELIVERY SCHEDULE

Delivery	Pre-Purchases (Gallons)								
Month	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Total		
Nov-18	15,069	11,302	11,302	15,069	11,302	11,302	75,346		
Dec-18	23,000	17,250	17,250	23,000	17,250	17,250	115,000		
Jan-19	26,966	20,224	20,224	26,966	20,224	20,224	134,828		
Feb-19	22,207	16,655	16,655	22,207	16,655	16,655	111,034		
Mar-19	17,448	13,086	13,086	17,448	13,086	13,086	87,240		
Apr-19	10,310	7,733	7,733	10,310	7,733	7,733	51,552		
Total	115,000	86,250	86,250	115,000	86,250	86,250	575,000		
Monthly %	20.0%	15.0%	15.0%	20.0%	15.0%	15.0%			

The monthly allocation percentage for the pre-purchases is unchanged.

CALCULATION OF PURCHASED GAS COSTS SUMMER PERIOD 2019

NE		19%	13%	12%	13%	15%	28%	
νE Ο.		MAY-19	JUN-19	JUL-19	AUG-19	SEP-19	OCT-19	TOTAL
1	TOTAL SENDOUT (GALLONS)	75,719	51,745	47,573	53,044	59,700	110,788	398,568
2	CHANGE TO ENDING INVENTORY BALANCE (GALLONS)	-	-	-	-	-	-	-
3	TOTAL REQUIRED PURCHASES (GALLONS)	75,719	51,745	47,573	53,044	59,700	110,788	398,568
4	PROPANE PURCHASE STABILIZATION PLAN DELIVERIES							
5	GALLONS	-	-	-	-	-	-	-
6	RATES - from Schedule D							
7	Contract Price	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
8 9	Broker Fee Pipeline Fee	incl. incl.	incl. incl.	incl. incl.	incl. incl.	incl. incl.	incl. incl.	
9 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	
3	TOTAL COST - Propane Purchase Stabilization Plan Deliveries	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	AMHERST STORAGE PROPANE DELIVERIES							
15	GALLONS	-	-	-	-	-	-	-
16	RATES - from Schedule F							
17	WACOG Price	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
18 19	Trucking Fee COST PER GALLON	\$0.0000 \$0.0000	\$0.0000 \$0.0000	\$0.0000 \$0.0000	\$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							
22	GALLONS	25,804	7,466	6,883	16,580	11,652	9,913	78,298
23	RATE							
24	PRICE COST PER GALLON							
25	COSTFERGALLON							
25 26 27	COST - CNG DEMAND FIXED						_	
26	COST - CNG							
26 27	COST - CNG DEMAND FIXED							
26 27 28 29 30	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES	40.045	44.070	40.000	26.464	49.049	100 075	200.070
26 27 28 29 30 31	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS	49,915	44,279	40,690	36,464	48,048	100,875	320,270
26 27 28 29 30 31 32	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E	49,915	44,279	40,690	36,464	48,048	100,875	320,270
26 27 28 29 30 31 32 33	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19	49,915	44,279	40,690	36,464	48,048	100,875	320,270
26 27 28 29 30 31 32 33 34	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee	49,915	44,279	40,690	36,464	48,048	100,875	320,270
26 27 28 29 30 31 32 33 34 35	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee	49,915	44,279	40,690	36,464	48,048	100,875	320,270
26 27 28 29 30 31 32 33 34 35 36	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee PERC Fee	49,915	44,279	40,690	36,464	48,048	100,875	320,270
26 27 28 29 30 31 32 33 34 35	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee	49,915	44,279	40,690	36,464	48,048	100,875	320,270
26 27 28 29 30 31 32 33 34 35 36 37	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee PERC Fee Supplier Charge	49,915	44,279	40,690	36,464	48,048	100,875	320,270
26 27 28 29 30 31 32 33 34 35 36 37 38 39	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee PERC Fee Supplier Charge Trucking Fee	49,915	44,279	40,690	36,464	48,048	100,875	320,270
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee PERC Fee Supplier Charge Trucking Fee COST PER GALLON - Market Quotes	49,915	44,279	40,690	36,464	48,048	100,875	320,270
26 27 28 29 30 31 32 33 45 36 37 38 39 40	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee Pipeline Fee PERC Fee Supplier Charge Trucking Fee COST PER GALLON - Market Quotes TOTAL COST - Spot Purchases							
26 27 28 29 30 31 23 34 35 36 37 38 39 40 41 42	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee Pipeline Fee PERC Fee Supplier Charge Trucking Fee COST PER GALLON - Market Quotes TOTAL COST - Spot Purchases	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26 27 28 29 30 31 32 33 34 35 36 37 38 39	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee Pipeline Fee PERC Fee Supplier Charge Trucking Fee COST PER GALLON - Market Quotes TOTAL COST - Spot Purchases							
26 27 28 29 30 31 23 34 35 36 37 38 39 40 41 42 43 44	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee PERC Fee Supplier Charge Trucking Fee COST PER GALLON - Market Quotes TOTAL COST - Spot Purchases OTHER ITEMS Storage - Winter Period 2015-2016 Refund of Deferred Revenue Surcharge over collection TOTAL OTHER ITEMS	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
26 27 28 29 30 31 32 33 43 53 63 7 38 39 40 41 42 34 44 45 46	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee PERC Fee Supplier Charge Trucking Fee COST PER GALLON - Market Quotes TOTAL COST - Spot Purchases OTHER ITEMS Storage - Winter Period 2015-2016 Refund of Deferred Revenue Surcharge over collection TOTAL OTHER ITEMS	\$0 \$0 \$0 \$0 75,719	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
26 27 28 29 30 31 32 33 34 35 36 37 38 9 40 41 42 34 44 45 46 47	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee Pipeline Fee PERC Fee Supplier Charge Trucking Fee COST PER GALLON - Market Quotes TOTAL COST - Spot Purchases OTHER ITEMS Storage - Winter Period 2015-2016 Refund of Deferred Revenue Surcharge over collection TOTAL OTHER ITEMS	\$0 \$0 \$0 75,719 69,284	\$0 \$0 \$0 51,745 47,348	\$0 \$0 \$0 47,573 43,530	\$0 \$0 \$0 53,044 48,536	\$0 \$0 \$0 59,700 54,627	\$0 \$0 \$0 110,788 101,373	\$0 \$0 \$0 398,568 364,698
26 27 28 29 30 31 32 33 43 53 63 7 38 39 40 41 42 34 44 45 46	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee PERC Fee Supplier Charge Trucking Fee COST PER GALLON - Market Quotes TOTAL COST - Spot Purchases OTHER ITEMS Storage - Winter Period 2015-2016 Refund of Deferred Revenue Surcharge over collection TOTAL OTHER ITEMS	\$0 \$0 \$0 \$0 75,719	\$0 \$0 \$0 51,745	\$0 \$0 \$0 47,573	\$0 \$0 \$0 53,044	\$0 \$0 \$0 59,700	\$0 \$0 \$0 110,788	\$0 \$0 398,568
26 27 28 29 30 31 23 34 35 36 37 38 9 40 41 42 34 44 47 48 49	COST - CNG DEMAND FIXED COST PER GALLON TOTAL CNG SPOT PURCHASES GALLONS RATES - from Schedule E Mont Belvieu 3/11/19 Broker Fee Pipeline Fee Pipeline Fee PERC Fee Supplier Charge Trucking Fee COST PER GALLON - Market Quotes TOTAL COST - Spot Purchases OTHER ITEMS Storage - Winter Period 2015-2016 Refund of Deferred Revenue Surcharge over collection TOTAL OTHER ITEMS	\$0 \$0 \$0 75,719 69,284	\$0 \$0 \$0 51,745 47,348	\$0 \$0 \$0 47,573 43,530	\$0 \$0 \$0 53,044 48,536	\$0 \$0 \$0 59,700 54,627	\$0 \$0 \$0 110,788 101,373	\$0 \$0 \$0 398,568 364,698