

## LIBERTY UTILITIES - KEENE DIVISION

CALCULATION OF COST OF GAS RATE  
SUPPLY / DEMAND BALANCE  
WINTER PERIOD 2019 - 2020

	PRIOR	Actual Nov-19	Actual Dec-19	Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	TOTAL
<u>PROPANE COSTS</u>								
1	PROPANE FIRM SENDOUT (therms)	151,341	200,079	198,858	179,376	131,344	92,394	953,392
2	COMPANY USE (therms)	5,076	5,297	5,806	5,386	4,382	3,737	29,684
3	TOTAL PROPANE SENDOUT (therms)	156,417	205,376	204,664	184,762	135,726	96,131	983,076
4	COST PER THERM (WACOG)	\$0.8820	\$0.9404	\$0.9705	\$0.9633	\$0.9163	\$0.9249	
5	TOTAL CALCULATED COST OF PROPANE	\$137,953	\$193,134	\$198,631	\$177,980	\$124,364	\$88,913	\$920,975
6	PROPANE ADJUSTMENTS	\$3,209	\$11,602	(\$3,583)		(\$0)	(\$2,658)	\$8,570
7	TOTAL COST OF PROPANE	\$141,162	\$204,736	\$195,048	\$177,980	\$124,364	\$86,255	\$929,545
<u>CNG COSTS</u>								
8	TOTAL CNG SENDOUT (therms)	24,323	34,513	34,020	31,669	23,893	17,701	166,119
9	CNG DEMAND CHARGES	\$10,417	\$8,333	\$8,333	\$8,333	\$8,333	\$8,333	\$52,083
10	CNG COMMODITY CHARGES	\$26,803	\$41,023	\$39,005	\$25,611	\$4,723	\$11,587	\$148,751
11	CNG ADJUSTMENTS	\$0	\$6,250	\$0	\$0	\$0	\$0	\$6,250
12	TOTAL CNG COSTS	\$37,219	\$55,606	\$47,338	\$33,944	\$13,056	\$19,920	\$207,084
13	ACCOUNTING ADJUSTMENT	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	TOTAL COSTS OF GAS	\$178,381	\$260,342	\$242,386	\$211,924	\$137,420	\$106,175	\$1,136,629
15	FPO PREMIUM	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	RETURN ON INVENTORY	\$2,354	\$2,354	\$2,354	\$2,354	\$2,354	\$2,354	\$14,126
<u>REVENUES</u>								
17	BILLED FPO SALES (therms)	1,130	15,187	17,503	14,648	15,626	10,836	
18	COG FPO RATE	\$0.9692	\$0.9692	\$0.9692	\$0.9692	\$0.9692	\$0.9692	
		\$1,095	\$14,719	\$16,964	\$14,197	\$15,145	\$10,502	\$72,622
19	BILLED NON-FPO SALES PRIOR MONTH (therms)	0	0	243,819	189,929	174,264	119,232	
20	COG NON-FPO RATE PRIOR MONTH	\$0.9492	\$0.9492	\$0.9492	\$0.9686	\$0.9352	\$0.6906	
		\$0	\$0	\$231,433	\$183,965	\$162,972	\$82,342	\$660,711
21	BILLED NON-FPO SALES CURRENT MONTH (therms)	7,355	175,567	32,145	20,845	24,323	13,431	
22	COG NON-FPO RATE CURRENT MONTH	\$0.9492	\$0.9492	\$0.9686	\$0.9352	\$0.6906	\$0.4408	
		\$6,981	\$166,649	\$31,136	\$19,495	\$16,797	\$5,920	\$246,978
23	BILLED SALES OTHER PRIOR PERIODS	0	0	0	(17,747)	(218)	92	
24	COG OTHER PRIOR PERIODS BLENDED RATE	\$0.0000	\$0.4843	\$0.4843	\$0.9492	\$0.9586	\$0.9360	
		\$0	\$0	\$0	(\$16,845)	(\$209)	\$86	(\$16,968)
25	TOTAL SALES	8,485	190,754	293,467	207,675	213,995	143,591	1,057,968
26	TOTAL BILLED REVENUES	\$8,077	\$181,368	\$279,533	\$200,811	\$194,705	\$98,850	\$963,344
27	UNBILLED REVENUES (NET)	\$154,760	\$41,801	(\$9,693)	(\$15,563)	(\$86,915)	(\$43,789)	\$40,599
28	TOTAL REVENUES	\$162,836	\$223,169	\$269,839	\$185,248	\$107,789.64	\$55,061	\$1,003,943
29	(OVER)/UNDER COLLECTION	\$17,899	\$39,528	(\$25,099)	\$29,031	\$31,985	\$53,468	\$146,812
30	INTEREST AMOUNT	(\$630)	(\$525)	(\$510)	(\$373)	(\$383)	(\$141)	(\$2,562)
31	FINAL (OVER)/UNDER COLLECTION	(\$170,381)	\$17,269	\$39,003	(\$25,609)	\$28,658	\$31,601	(\$26,131)

LIBERTY UTILITIES - KEENE DIVISION

INVENTORY & WEIGHTED AVERAGE COST OF PROPANE CALCULATION  
WINTER PERIOD 2019 - 2020

LINE NO.				Rate					
		Therms	Cost	Therm	Gal.				
1	Nov-19								
2	Beginning Balance	176,044	\$138,939	\$0.7892	\$0.7222				
3	Purchases Received	146,971	\$145,946	\$0.9930	\$0.9086				
4	Total Available	323,015	\$284,885	\$0.8820	\$0.8070				
5	Less Sendout	156,417	\$137,953	\$0.8820	\$0.8070	\$0.8820	156,417	\$137,953	
6	Ending Balance	166,598	\$146,932	\$0.8820	\$0.8070				
7	Dec-19								
8	Beginning Balance	166,598	\$146,932	\$0.8820	\$0.8070				
9	Purchases Received	181,116	\$180,056	\$0.9941	\$0.9097				
10	Total Available	347,714	\$326,988	\$0.9404	\$0.8605				
11	Less Sendout	205,376	\$193,134	\$0.9404	\$0.8605	\$0.9404	205,376	\$193,134	
12	Ending Balance	142,338	\$133,854	\$0.9404	\$0.8605				
13	Jan-20								
14	Beginning Balance	142,338	\$133,854	\$0.9404	\$0.8605				
15	Purchases Received	163,166	\$162,644	\$0.9968	\$0.9121				
16	Total Available	305,504	\$296,498	\$0.9705	\$0.8880				
17	Less Sendout	204,664	\$198,631	\$0.9705	\$0.8880	\$0.9705	204,664	\$198,631	
18	Ending Balance	100,840	\$97,867	\$0.9705	\$0.8880				
19	Feb-20								
20	Beginning Balance	100,840	\$97,867	\$0.9705	\$0.8880				
21	Purchases Received	159,075	\$152,508	\$0.9587	\$0.8772				
22	Total Available	259,915	\$250,374	\$0.9633	\$0.8814				
23	Less Sendout	184,762	\$177,980	\$0.9633	\$0.8814	\$0.9633	184,762	\$177,980	
24	Ending Balance	75,153	\$72,394	\$0.9633	\$0.8814				
25	March 2020 (Forecasted)								
26	Beginning Balance	75,153	\$72,394	\$0.9633	\$0.8814				
27	Purchases Received	133,837	\$119,101	\$0.8899	\$0.8143				
28	Total Available	208,990	\$191,495	\$0.9163	\$0.8384				
29	Less Sendout	135,726	\$124,364	\$0.9163	\$0.8384	\$0.9163	135,726	\$124,364	
30	Ending Balance	73,264	\$67,131	\$0.9163	\$0.8384				
31	April 2020 (Forecasted)								
32	Beginning Balance	73,264	\$67,131	\$0.9163	\$0.8384				
33	Purchases Received	86,490	\$80,629	\$0.9322	\$0.8530				
34	Total Available	159,754	\$147,760	\$0.9249	\$0.8463				
35	Less Sendout	96,131	\$88,913	\$0.9249	\$0.8463	\$0.9249	96,131	\$88,913	
36	Ending Balance	63,623	\$58,847	\$0.9249	\$0.8463				
37	AVERAGE WINTER RATE - SENDOUT					\$0.9368	983,076	\$920,975	