

Lake Village Water Association 2023-00251

<u>SUPPLIER</u>	<u>NEW RATE</u> (per 1,000)	<u>OLD RATE</u> (per 1,000)
Harrodsburg	\$3.0100	\$2.7300
Danville	\$2.41000	\$2.4100

TWELVE MONTH TEST PERIOD:

July 2022 to June 2023

<u>SUPPLIER</u>	<u>GALLONS PURCHASED</u> <u>DURING TEST PERIOD</u>	
Harrodsburg	86,819,200	
Danville	130,275,172	12
TOTAL	217,094,372	

<u>SUPPLIER</u>	<u>COST AT</u> <u>NEW RATE</u>	<u>COST AT</u> <u>OLD RATE</u>		
Harrodsburg	\$ 249,794.46	\$ 226,978.25	\$22,816.21	
Danville	\$313,963.16	\$313,963.16	\$0.00	INCREASED
				<u>WATER COST</u>
TOTAL	\$563,757.62	-	=	\$22,816.21

TOTAL GALLONS SOLD FOR THE TEST PERIOD :

159,469,700

Increased Water Cost / (total gallons sold / 1,000) = Purchased Water Adjustment Factor

\$22,816.21 / 159,469,700 / 1000 = 0.143075518

ROUNDED

0.15

		2021 AR
Total Purchases	217,094,372	190,093
Total Sales	159,469,700	
% of plant use from 2021 AR	0.016392	0.016392
Plant Use	3,558,611	3,116
Total line loss (purchases-sales-plant use)	54,066,061	
Water loss % (Line loss / purchases)	0.249044	
Water loss above 15%	0.099044	
 Purchased Water Expense Reduction (Cost * loss above 15%)		 \$ 55,836.81
 Total Water Loss Expense		 \$ 140,400.45
	\$ 0.26	per 1,000 gallons purchased
	0.35	Per 1,000 gallons sold

Water Purchased from Harrodsburg	Gallons purchd	Gallons purchd less 448,800	Cost at Current Rate	Cost at Proposed Rate
July	8,247,530		19,809.61	21,790.57
August	6,296,597		14,854.03	16,339.43
September	6,852,884		16,267.06	17,893.76
October	5,935,881		13,937.77	15,331.55
November	8,596,412		20,695.81	22,765.39
December	9,440,889		22,840.87	25,124.95
January	5,667,035		13,254.88	14,580.36
February	8,173,015		19,620.33	21,582.37
March	6,622,852		15,682.75	17,251.03
April	6,673,708		15,811.93	17,393.13
May	7,099,261		16,892.88	18,582.17
June	7,213,136		17,182.14	18,900.35
			206,850.05	227,535.06

Current Rates- Harrodsburg 1st	Cubic Feet	per 100 cubic feet	Gallons	per 1,000 gallons	Standard Monthly cost
	250	\$ 11.84	1870	\$ 15.83	1.87 \$ 29.60
	750	4.5	5610	6.02	5.61 \$ 33.75
	3000	3.91	22440	5.23	22.44 \$ 117.30
	6000	3.32	44880	4.44	44.88 \$ 199.20
	25000	2.83	187000	3.78	187 \$ 707.50
	25000	2.36	187000	3.16	187 \$ 590.00
	60000	1.9	448800	2.54	448.8

\$ 20,128.20	12 months cost of 1st 448,800 G
\$ 206,850.05	Current cost of Over 448,800 Gall
<u>\$ 226,978.25</u>	OLD COST from Harrodsburg
\$ 1,677.35	Subtotal Cost of 1st 448,800 Gall

Proposed Rates- Harrodsburg 1st	Cubic Feet	per 100 cubic feet	Gallons	per 1,000 gallons	Standard Monthly cost
	250	13.12	1870	17.54	1.87 \$ 32.80
	750	4.98	5610	6.66	5.61 \$ 37.35
	3000	4.32	22440	5.78	22.44 \$ 129.60
	6000	3.67	44880	4.91	44.88 \$ 220.20
	25000	3.13	187000	4.18	187 \$ 782.50
	25000	2.61	187000	3.49	187 \$ 652.50
	60000	2.09	448800	2.79	448.8

\$ 22,259.40	12 months cost below 448,800 Gall
\$ 227,535.06	Proposed cost over 448,800 Gall
<u>\$ 249,794.46</u>	NEW COST from Harrodsburg
\$ 1,854.95	Proposed Monthly Cost

\$ 22,816.21	INCREASED COST
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Water Purchased from Harrodsburg	Gallons purchd	Gallons purchd less 448,800	Cost at Current Rate	TOTAL Current Cost	Cost at Proposed Rate	TOTAL Proposed Cost	NET INCREASE
July	8,247,530	7,798,730	19,809.61	21,486.96	21,790.57	23,645.52	2,158.56
August	6,296,597	5,847,797	14,854.03	16,531.38	16,339.43	18,194.38	1,653.00
September	6,852,884	6,404,084	16,267.06	17,944.41	17,893.76	19,748.71	1,804.31
October	5,935,881	5,487,081	13,937.77	15,615.12	15,331.55	17,186.50	1,571.38
November	8,596,412	8,147,612	20,695.81	22,373.16	22,765.39	24,620.34	2,247.18
December	9,440,889	8,992,089	22,840.87	24,518.22	25,124.95	26,979.90	2,461.69
January	5,667,035	5,218,235	13,254.88	14,932.23	14,580.36	16,435.31	1,503.09
February	8,173,015	7,724,215	15,682.75	17,360.10	17,251.03	19,105.98	1,745.88
March	6,622,852	6,174,052	15,811.93	17,489.28	17,393.13	19,248.08	1,758.79
April	6,673,708	6,224,908	16,892.88	18,570.23	18,582.17	20,437.12	1,866.89
May	7,099,261	6,650,461	17,182.14	18,859.49	18,900.35	20,755.30	1,895.81
June	7,213,136	6,764,336	206,850.05	226,978.25	227,535.06	249,794.46	22,816.21
			\$	\$	\$	\$	\$

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			\$ 206,850.05	\$ 226,978.25	\$ 227,535.06	\$ 249,794.46	\$ 22,816.21