

# WATER PRODUCTION/WHOLESALE PURCHASE REPORT 2019

WATER PROD & PURCHASED	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTALS
WATER PLANT PRODUCTION	78,859,000	59,462,000	74,863,000	71,356,000	75,119,000	67,172,000	70,927,000	73,488,000	72,735,000	76,428,000	76,523,000	72,549,000	869,276,000
BACKWASH (GALLONS)	356,595	356,595	1,737,404	1,737,404	2,732,007	2,430,304	2,424,968	2,221,864	2,496,736	2,582,544	2,729,248	3,283,920	25,099,589
AVERAGE DAILY PRODUCTION	2,547,839	1,978,129	2,409,129	2,301,161	2,423,194	2,166,839	2,287,968	2,370,184	2,346,290	2,465,439	2,550,700	2,418,300	2,350,121
MINIMUM DAILY PRODUCTION	2,187,000	360,000	2,115,000	1,735,000	1,600,000	0,000	874,000	1,935,000	2,169,000	1,635,000	2,359,000	831,000	1,483,333
MAXIMUM DAILY PRODUCTION	2,738,000	2,808,000	2,579,000	2,670,000	2,765,000	2,583,000	2,626,000	2,589,000	2,599,000	2,592,000	2,806,000	2,711,000	2,877,917
TOTAL PRODUCTION	78,502,405	59,105,405	72,945,596	69,598,596	72,386,993	64,741,696	68,502,032	71,263,136	70,238,264	73,845,456	73,791,752	69,255,080	844,176,411
TOTAL PURCHASED	24,647,997	68,378,200	55,370,400	55,157,300	62,957,100	54,192,500	65,085,900	65,586,000	56,668,600	61,616,600	57,078,400	64,079,700	732,954,957
TOTAL PURCHASED & PRODUCED	143,150,402	127,483,605	128,315,996	124,755,896	135,378,093	118,934,196	133,587,932	136,851,136	128,906,864	135,461,456	130,870,152	133,334,780	1,577,030,508
COST OF PURCHASED WATER/1,000 GAL	\$ 1.68	\$ 1.68	\$ 1.68	\$ 1.68	\$ 1.68	\$ 1.69	\$ 1.68	\$ 1.68	\$ 2.30	\$ 2.30	\$ 2.30	\$ 2.30	\$ 2.30
COST OF PRODUCED WATER/1,000 GAL	\$ 0.88	\$ 1.41	\$ 1.08	\$ 1.90	\$ 1.14	\$ 1.40	\$ 1.15	\$ 1.36	\$ 0.96	\$ 0.97	\$ 0.88	\$ 0.94	\$ 1.17

## MARROWBONE WATER PLANT:

### TURBIDITY (NTU):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD AVERAGES
AVERAGE DAILY TURBIDITY	0.10	0.11	0.12	0.10	0.10	0.16	0.17	0.14	0.13	0.13	0.13	0.13	0.13
MINIMUM DAILY TURBIDITY	0.05	0.00	0.06	0.00	0.06	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.03
MAXIMUM DAILY TURBIDITY	0.42	0.29	0.23	0.32	0.24	0.56	0.35	0.23	0.19	0.28	0.24	0.30	0.33

### CHLORINE:

(FREE RESIDUAL IN MG/L)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD AVERAGES
AVERAGE DAILY RESIDUAL	1.8	2.0	1.7	1.6	2.0	1.8	1.9	1.9	1.9	1.8	1.9	1.8	1.9
MINIMUM DAILY RESIDUAL	1.6	1.6	1.5	1.2	1.6	1.5	1.6	1.6	1.6	1.4	1.7	1.2	1.5
MAXIMUM DAILY RESIDUAL	2.5	2.8	2.1	2.4	2.5	2.3	2.6	2.2	2.1	2.4	2.3	2.4	2.4

### FLUORIDE (MG/L):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD AVERAGES
AVERAGE DAILY RESIDUAL	0.9	1.0	0.3	0.3	0.4	0.4	0.7	0.7	0.7	0.5	0.5	0.5	0.6
MINIMUM DAILY RESIDUAL	0.8	0.8	0.2	0.2	0.3	0.3	0.6	0.5	0.5	0.4	0.3	0.4	0.4
MAXIMUM DAILY RESIDUAL	1.1	1.1	0.5	0.5	0.6	0.7	0.9	1.0	1.1	0.5	0.5	0.6	0.8

### PH (ACIDITY):

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD AVERAGES
AVERAGE PH	7.0	7.7	7.9	8.0	7.9	7.5	8.0	8.1	8.1	8.2	8.3	8.0	7.9
MINIMUM PH	7.5	7.5	7.7	7.5	7.5	7.8	7.7	7.5	8.0	8.0	8.0	7.7	7.7
MAXIMUM PH	7.9	7.9	8.1	8.1	8.1	8.3	8.1	8.3	8.3	8.4	8.4	8.3	8.2

BACTERIOLOGICAL SAMPLES TESTED	52	52	52	52	52	52	52	52	52	52	52	52	52
NONFOR THE PERIOD	NONE FOR THE PERIOD	NONE FOR THE PERIOD	NONE FOR THE PERIOD	NONE FOR THE PERIOD	NONE FOR THE PERIOD	NONE FOR THE PERIOD	NONE FOR THE PERIOD	NONE FOR THE PERIOD	NONE FOR THE PERIOD	NONE FOR THE PERIOD	NONE FOR THE PERIOD	NONE FOR THE PERIOD	NONE FOR THE PERIOD
EXCURSION OF PARAMETERS													

\* UPDATED COST OF ELECTRICITY - MAY 2016

PURCHASED WATER SUMMARY  
CITY OF WILLIAMSON, WV  
2019

MASTER METER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
WILLIAMSON 1	20,405,297	18,610,000	18,541,900	19,803,100	20,812,000	17,513,900	19,974,100	20,193,000	20,896,000	23,463,700	18,378,100	18,737,400	237,328,497
WILLIAMSON 2	3,184,700	2,889,200	2,707,500	3,008,200	2,973,100	2,653,600	3,202,800	3,013,000	2,975,600	3,052,300	2,672,300	2,760,300	35,092,600
ANNUAL TOTAL	23,589,997	21,499,200	21,249,400	22,811,300	23,785,100	20,167,500	23,176,900	23,206,000	23,871,600	26,516,000	21,050,400	21,497,700	272,421,097

COST OF PURCHASED WATER

\$1.68/1,000 (20,000,000 GAL. MINIMUM) THRU APR '19													
\$1.73/1,000 MAY-JUN '19													
\$1.78/1,000 JUL-SEPT '19	\$39,631.19	\$36,118.66	\$35,698.99	\$38,322.98	\$41,148.22	\$34,889.78	\$41,254.88	\$41,306.68	\$42,491.45	\$48,524.28	\$38,522.23	\$39,340.79	\$477,250.14
\$1.83 OCT '19 - FORWARD													
ANNUAL PROJECTED TOTAL COST USING 2019 GALLONS	\$43,169.69	\$39,343.54	\$38,886.40	\$41,744.68	\$43,526.73	\$36,906.53	\$42,413.73	\$42,466.98	\$43,685.03	\$48,524.28	\$38,522.23	\$39,340.79	\$498,530.61

PURCHASED WATER SUMMARY  
CITY OF PIKEVILLE  
2019

MASTER METER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTALS
TOWN MTN	18,577,000	21,650,000	14,853,000	15,287,000	19,985,000	16,997,000	20,443,000	19,887,000	14,884,000	16,984,000	18,153,000	23,095,000	220,795,000
HURRICANE	1,963,000	1,394,000	1,625,000	1,693,000	1,826,000	1,541,000	1,777,000	1,942,000	1,511,000	1,829,000	1,933,000	1,840,000	20,874,000
COWPEN	3,360,000	2,636,000	2,393,000	2,412,000	3,010,000	2,558,000	2,924,000	3,161,000	3,480,000	3,061,000	3,138,000	2,988,000	35,121,000
CHLOE	2,074,000	2,305,000	2,020,000	1,787,000	1,665,000	1,355,000	1,794,000	1,884,000	1,468,000	1,619,000	1,792,000	1,731,000	21,494,000
INDIAN HILLS	9,343,000	11,142,000	9,389,000	7,496,000	8,749,000	7,797,000	11,332,000	11,164,000	9,594,000	8,807,000	9,011,000	10,766,000	114,590,000
ISLAND CREEK	5,237,000	7,372,000	3,476,000	3,350,000	3,510,000	3,448,000	3,281,000	3,945,000	3,572,000	2,435,000	1,757,000	1,812,000	43,195,000
MODERN MHP	185,000	149,000	178,000	160,000	206,000	165,000	189,000	213,000	175,000	213,000	83,000	200,000	2,116,000
HOOPWOOD	116,000	161,000	90,000	75,000	147,000	88,000	84,000	81,000	60,000	72,000	74,000	70,000	1,118,000
COON BRANCH	203,000	70,000	97,000	86,000	108,000	76,000	85,000	105,000	53,000	80,000	87,000	80,000	1,130,000
ANNUAL TOTAL	41,058,000	46,879,000	34,121,000	32,346,000	39,206,000	34,025,000	41,909,000	42,382,000	34,797,000	35,100,000	36,028,000	42,582,000	460,433,000

COST OF PURCHASED WATER AT PREVIOUS RATE (\$1.68/\$1.30 TIERED RATE)

COST FOR 1ST 28,000,000	\$47,040.00	\$47,040.00	\$47,040.00	\$47,040.00	\$47,040.00	\$47,040.00	\$47,040.00	\$47,040.00	\$47,040.00	\$47,040.00	\$47,040.00	\$47,040.00	\$564,480.00
GALLONS BEYOND 28,000,000 / MO	13,058,000	18,879,000	6,121,000	4,346,000	11,206,000	6,025,000	13,909,000	14,382,000	6,797,000	7,100,000	8,028,000	14,582,000	124,433,000
COST FOR GALLONS BEYOND 28,000,000	\$16,975.40	\$24,542.70	\$7,957.30	\$5,649.80	\$14,567.80	\$7,832.50	\$18,081.70	\$18,696.60	\$8,836.10	\$9,230.00	\$10,436.40	\$18,956.60	\$161,762.90
TOTAL BILLABLE AMOUNT	\$64,015.40	\$71,582.70	\$54,997.30	\$52,689.80	\$61,607.80	\$54,872.50	\$65,121.70	\$65,736.60	\$55,876.10	\$56,270.00	\$57,476.40	\$65,996.60	\$726,242.90

COST OF PURCHASED WATER AT NEW PSC APPROVED RATE (\$1.97 USING 2019 GALLONS PURCHASED)

FLAT RATE OF \$1.97/1,000	\$80,884.26	\$92,351.63	\$67,218.37	\$63,721.62	\$77,235.82	\$67,029.25	\$82,560.73	\$83,492.54	\$68,550.09	\$69,147.00	\$70,975.16	\$83,886.54	\$907,053.01
ESTIMATED INCREASED BILLABLE AMT USING 2019 PURCHASED GALLONS	\$16,868.86	\$20,768.93	\$12,221.07	\$11,031.82	\$15,628.02	\$12,156.75	\$17,439.03	\$17,755.94	\$12,673.99	\$12,877.00	\$13,498.76	\$17,889.94	\$180,810.11

\* DECEMBER 2019 AMOUNT CORRECTED DUE TO METER CHANGE OUT - ADDED 1,298,000 GALLONS