

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

In the Matter of:

**ELECTRONIC INVESTIGATION)
INTO THE MEASURING,)
RECORDING, AND REPORTING OF) CASE NO. 2018-00394
WATER LOSS BY KENTUCKY'S)
JURISDICTIONAL WATER)
UTILITIES)**

**RESPONSE OF
BATH COUNTY WATER DISTRICT
TO
COMMISSION'S REQUEST FOR INFORMATION
DATED DECEMBER 18, 2018**

FILED: January 10, 2019

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

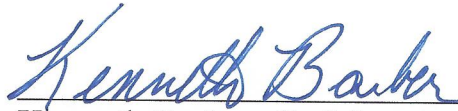
In the Matter of:

ELECTRONIC INVESTIGATION)	
INTO THE MEASURING,)	
RECORDING, AND REPORTING OF)	CASE NO. 2018-00394
WATER LOSS BY KENTUCKY'S)	
JURISDICTIONAL WATER)	
UTILITIES)	

**CERTIFICATION OF RESPONSE OF [BATH COUNTY WATER
DISTRICT] TO
COMMISSION'S REQUEST FOR INFORMATION**

This is to certify that I have supervised the preparation of BATH COUNTY WATER DISTRICT's Response to the Commission's Request for Information. The response submitted on behalf of BATH COUNTY WATER DISTRICT is true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

Date: 1/10/2019



Kenneth Barber, Co Manager
BATH COUNTY WATER DISTRICT

BATH COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Kenneth Barber

- Q-1. Explain in detail the manner in which you measure, calculate, and track water loss, and:
- a. Identify whether you use any manual form (including Excel spreadsheet) or electronic or mechanized system to calculate and track water loss.
 - b. Provide a copy of any form used (including Excel spreadsheet).
 - c. Identify the source of any form or system used.
- A-1. Bath County Water District calculates and tracks water loss both monthly and daily. We have a Usage and Summary/Detail Report (a.) from our Billing Software, Master Meter Spreadsheet (b.) from the meters where we purchase water, our monthly Flush Sheets, Monthly Leak Log and Fire Department Reports are all used to fill out the PSC's Monthly Water Loss Spreadsheets (c.) to track and report our water loss to the governmental agencies and our Water Board. After changing over to a radio read system for meter reading, our water loss started to climb. We divided our system into zones, installed meters for each zone to track water in and out of each zone. We connected each master meter to a computer at the office using telemetry. We take the Director's Report (e.) from our billing software break

it down to a daily usage for each zone. Take the Telemetry readings from our Custom Daily Report (d.) that is recorded at midnight by the telemetry. All this info is copied and past to an Excel spreadsheet (developed in house) to match our telemetry. We than take that usage and our tank levels from midnight and factor them into a second Excel spreadsheet Zone Usage (f.) (developed in house) that gives us usage for each zone in the system daily.

- a. Usage Summary/Detail
- b. Master Meter Readings Spreadsheet (Wholesale Usage)
- c. Older Version PSC Monthly Water Loss Report
- d. Custom Daily Telemetry Report (page 1 & 2)
- e. Director's Report Billing Software
- f. Zone Loss Spread Sheet (page 1 & 2)

BATH COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 2

Responding Witness: Kenneth Barber

Q-2. Explain in detail your understanding of the information to be provided in each of the categories on the Water Statistics page (reference page 30) of the annual report required of jurisdictional water utilities, accessed through the Commission's website.

A-2. Line #1 Water Produced, Purchased & Distributed (Blank).

Line #2 Water produce (B.C.W.D) does not produce water (Blank).

Line #3 Water purchased water received or purchased from other systems.

Line #4 Total gallons of water from lines #2 and #3.

Line #5 (Blank).

Line #6 Water Sales: (Blank).

Line #7 B.C.W.D.s Residential customer's total yearly sales.

Line #8 B.C.W.D.s Commercial customer's total yearly sales.

Line #9 B.C.W.D.s Industrial customer's total yearly sales.

Line #10 Bulk Load any water sold at a bulk rate.

Line #11 Resale water sold to wholesale customers.

Line #12 Water that was sold by any other mean other than listed above.

Line #13 Total water sold from line 7 through line 12.

Line #14 (Blank).

Line #15 Other Water Used (Blank).

Line #16 Utility/water treatment plant (Blank) no water plant.

Line #17 Wastewater Plant (Blank) no sewer plant.

Line #18 Yearly total of water used for flushing water system.

Line #19 Yearly total of water used by Fire Departments.

Line #20 Yearly total of water accounted for other than above.

Line #21 Total of water used listed on line 16 through line 20.

Line #22 (Blank).

Line #23 Water Loss (Blank).

Line #24 Water accounted for when storage tanks overflowed.

Line #25 Water accounted for when water line were repaired.

Line #26 Water purchased that can not be accounted for.

Line #27 Water loss that can be accounted for other than list.

Line # 28 Total Water from line 22 through line 27.

Lines #29 Through #32 (Blank).

Line #33 Total on line 28 divided by total on line 4 (District water loss %).

BATH COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 3

Responding Witness: Kenneth Barber

Q-3. State any questions you have regarding how to use the updated Commission Form described and attached as Appendix A to this Order.

A-3. No Questions at this time

BATH COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: Kenneth Barber

Q-4. State any suggestions or improvements you have for the updated Commission Form described and attached as Appendix A to this Order.

A-4. No Suggestion

BATH COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 5

Responding Witness: Kenneth Barber

- Q-5. State any questions you have regarding how the information in the updated Commission Form described and attached as Appendix A to this Order is to be incorporated into annual reports.
- A-5. No question

BATH COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 6

Responding Witness: Kenneth Barber

Q-6. State any concerns you have regarding the use of the updated Commission Form described and attached as Appendix A to this Order.

A-6 NO CONCERNS

BATH COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

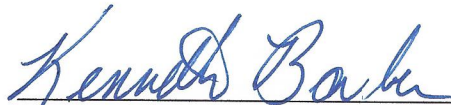
Question No. 7

Responding Witness: Kenneth Barber

- Q-7. State whether you believe it is reasonable, proper, and appropriate for the Commission to require jurisdictional water utilities to maintain and use the updated Commission Form described and attached as Appendix A to this Order. Fully explain your answer
- A-7. I have used the older version of this form for the past 10 years and found it to be very helpful. I believe it is reasonable, proper, and appropriate to require all water systems to maintain and use the updated form. The use of this form will help everyone to be able to calculate, track and report its water loss.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that BATH COUNTY WATER DISTRICT's electronic filing of this Response is a true and accurate copy of the same document being filed in paper medium; that the electronic filing was transmitted to the Public Service Commission on January 10, 2019; that there are currently no parties that the Public Service Commission has excused from participation by electronic means in this proceeding; and that an original paper medium of this Response will be delivered to the Public Service Commission within two business days.

A handwritten signature in blue ink that reads "Kenneth Barber". The signature is written in a cursive style and is positioned above a horizontal line.

Kenneth Barber

Exhibit A-1-a.

BATH COUNTY WATER DISTRICT

Usage Summary/Detail

For Cycle: Cycle 1
 For Period: 12/1/2018 - 12/31/2018
 Service Type: WATER
 Subtotal by: Rate Code

Description	Customer Count	Service Month Count	Service Month Average	Usage	Customer Average	Amount
Rate Code: C01 5/8" TAXABLE	60	60	2,383	143,000	2,383	\$1,420.89
Rate Code: C02 1" TAXABLE	8	8	38,500	308,000	38,500	\$1,518.42
Rate Code: C03 2" TAXABLE	1	1	235,000	235,000	235,000	\$930.25
Rate Code: C04 5/8" (2) TAXABLE	4	4	7,750	31,000	7,750	\$213.96
Rate Code: C08 5/8" (6) TAXABLE	2	2	11,000	22,000	11,000	\$226.23
Rate Code: I01 5/8" TAXABLE	7	7	3,571	25,000	3,571	\$198.49
Rate Code: P01 WHOLESale SHARPSBURG	1	1	5,484,000	5,484,000	5,484,000	\$19,468.20
Rate Code: P03 WHOLESale OWINGSVILLE WATER	1	1	4,412,000	4,412,000	4,412,000	\$16,602.19
Rate Code: P04 WHOLESale OWINGSVILLE WATER	1	1	0	0	0	\$0.00
Rate Code: P05 WHOLESale OWINGSVILLE WATER	1	1	4,053,000	4,053,000	4,053,000	\$10,902.57
Rate Code: R01 5/8" NON-TAX	3,580	3,626	3,301	11,968,000	3,343	\$92,412.80
Rate Code: R02 1" NON-TAX	12	12	17,083	205,000	17,083	\$1,238.14
Rate Code: R03 2" NON-TAX	2	2	37,500	75,000	37,500	\$458.90
Rate Code: R04 5/8" (2) NON-TAX	154	157	6,108	959,000	6,227	\$7,510.25
Rate Code: R05 5/8" (3) NON-TAX	11	12	8,250	99,000	9,000	\$772.75
Rate Code: R06 5/8" (4) NON-TAX	3	3	12,667	38,000	12,667	\$288.93
Rate Code: R08 5/8" (6) NON-TAX	1	1	11,000	11,000	11,000	\$97.44
Rate Code: R10 FLUSH HYDRANT	11	11	70,000	770,000	70,000	\$0.00
Grand Total	3,859	3,910	7,375	28,838,000	7,473	\$154,260.41

Exhibit A-1-b.

WHOLESALE USAGE									
Nov-18	to	Dec-18							
2018									
Farmers		Flat Creek		Howards Mill		U S 60		Stepstone	
11/19/2018		11/19/2018		11/19/2018		11/19/2018		11/19/2018	
502,720		63,940		108,754		34,818		64,026	
12/17/2018		12/17/2018		12/17/2018		12/17/2018		12/17/2018	
533,495		775		84		35,243		64,936	
30775		1044		218		425		910	
Preston		Sharpsburg		Owingsville #1		Owingsville #2		Owingsville #3	
11/19/2018		11/19/2018		11/19/2018		11/19/2018		11/19/2018	
547,629		319,777		94,096		197,273		16,326	
12/17/2018		12/17/2018		12/17/2018		12/17/2018		12/17/2018	
551,252		325,261		98,508		201,326		16,326	
3623		5484		4412		4053		0	
		Sold to		Olympia Meter		Hawkins Branch		Clear Creek	
11/19/2018		11/19/2018		11/19/2018		11/19/2018		11/19/2018	
		305,104		12,207		39,702		25,645	
12/17/2018		12/17/2018		12/17/2018		12/17/2018		12/17/2018	
		305,104		12,207		145		25,717	
0		0		0		668		72	
Total Purchased									
34,112									
Water Sold									
Owingsville # 1, # 2 & 3									
8465									
Sharpsburg									
5484									
Frenchburg									
0									
Total Wholesale Water									
13,949									

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility:

For the Month of: Year:

LINE #	ITEM	GALLONS (Omit 000's)	
1	WATER PRODUCED, PURCHASED & DISTRIBUTED		
2	Water Produced		
3	Water Purchased		
4	TOTAL PRODUCED AND PURCHASED	-	
5			
6	WATER SALES		
7	Residential		
8	Commercial		
9	Industrial		
10	Bulk Loading Stations		
11	Wholesale		
12	Other Sales _____		
13	TOTAL WATER SALES	- #DIV/0!	
14			
15	OTHER WATER USED		
16	Utility and/or Water Treatment Plant		
17	Wastewater Plant		
18	System Flushing		
19	Fire Department		
20	Other <u>City of Frenchburg</u> _____		
21	TOTAL OTHER WATER USED	- #DIV/0!	
22			
23	WATER LOSS		
24	Tank Overflows		
25	Line Breaks		
26	Line Leaks	#VALUE!	
27	Other _____	#VALUE!	
28	TOTAL LINE LOSS	#VALUE! #VALUE!	
29			
30	Note: Line 13 + Line 21 + Line 28 Must Equal Line 4		
31			
32	WATER LOSS PERCENTAGE		
33	Unaccounted-For Water (Line 28 divided by Line 4)	#VALUE!	

Custom Daily Report - from Telemetry

Date	Farmers NM Flow Total KGAL	Owingsville N Flow Total KGAL	Sharpsburg N Flow Total KGAL	US 60 HWY Flow Total KGAL	Stepstone M Flow Total KGAL	Howards Mill Flow Total KGAL	Farmers M 24hr Flow KGAL	Owingsville 24hr Flow KGAL	Sharpsbu 24hr Flow KGAL	US 60 F 24hr Flow KGAL	Stepstone 24hr Flow KGAL	Howard 24hr Flow KGAL	Preston PS 24hr Flow KGAL
11/19/2018	502720000	940960000	319777000	34818000	64026000	108754000	1087000	174000	192000	15000	27000	15000	547629000
11/20/2018	503846000	942720000	319952000	34832000	64046000	108759000	1127000	176000	176000	14000	20000	0	547769000
11/21/2018	504929000	943790000	320146000	34850000	64082000	108764000	1083000	108000	193000	18000	36000	10000	547880000
11/22/2018	506076000	945300000	320356000	34867000	64194000	108769000	1146000	152000	210000	17000	113000	0	547985000
11/23/2018	507055000	946500000	320564000	34882000	64273000	108773000	974000	118000	209000	15000	78000	0	548102000
11/24/2018	508191000	948390000	320773000	34897000	64292000	108777000	1143000	190000	208000	15000	19000	0	548327000
11/25/2018	509150000	949580000	320974000	34912000	64312000	108781000	957000	118000	202000	15000	20000	0	548432000
11/26/2018	510237000	951230000	321171000	34926000	64335000	108785000	1089000	164000	197000	14000	23000	21000	548557000
11/27/2018	511482000	952800000	321363000	34940000	64353000	108787000	1242000	158000	192000	14000	18000	2000	548701000
11/28/2018	512566000	954330000	321559000	34955000	64378000	108792000	1085000	153000	196000	15000	25000	0	548794000
11/29/2018	513735000	955920000	321757000	34969000	64406000	108798000	1172000	161000	197000	14000	28000	0	548931000
11/30/2018	514932000	957920000	321948000	34983000	64436000	108803000	1189000	197000	191000	14000	30000	16000	549053000
12/1/2018	515948000	959060000	322140000	34998000	64463000	108806000	1014000	115000	191000	14000	27000	0	549206000
12/2/2018	517018000	960460000	322352000	35013000	64492000	108810000	1070000	140000	212000	15000	29000	0	549316000
12/3/2018	518041000	961810000	322525000	35028000	64517000	108814000	1025000	135000	173000	15000	25000	11000	549437000
12/4/2018	519277000	963460000	322737000	35042000	64542000	108817000	1234000	164000	212000	15000	25000	0	549568000
12/5/2018	520254000	964960000	322925000	35058000	64574000	108821000	980000	150000	189000	15000	32000	7000	549687000
12/6/2018	521570000	966930000	323113000	35072000	64602000	108824000	1312000	196000	188000	14000	28000	0	549795000
12/7/2018	522674000	968650000	323296000	35087000	64634000	108828000	1105000	174000	182000	15000	32000	7000	549933000
12/8/2018	523869000	969890000	323479000	35104000	64662000	108831000	1195000	123000	183000	17000	28000	0	550077000
12/9/2018	525230000	971350000	323719000	35121000	64691000	108835000	1410000	146000	240000	17000	29000	0	550180000
12/10/2018	526297000	973060000	323918000	35135000	64716000	108842000	1065000	171000	199000	15000	25000	0	550321000
12/11/2018	527372000	974770000	324104000	35150000	64744000	108849000	1083000	172000	186000	15000	28000	0	550484000
12/12/2018	528537000	976410000	324239000	35166000	64782000	108856000	1165000	164000	225000	15000	38000	12000	550613000
12/13/2018	529552000	978220000	324499000	35180000	64812000	108863000	1016000	181000	170000	14000	30000	0	550741000
12/14/2018	530434000	979420000	324696000	35193000	64846000	9000	881000	120000	197000	13000	34000	9000	550871000
12/15/2018	531437000	981220000	324867000	35210000	64876000	28000	999000	179000	171000	17000	30000	19000	550989000
12/16/2018	532496000	983190000	325076000	35228000	64908000	62000	1058000	197000	209000	18000	32000	34000	551139000
12/17/2018	533495000	985080000	325261000	35243000	64936000	84000	1000000	190000	185000	15000	28000	22000	551252000

Exhibit A-1-d. page #2

Preston Hawkins			Hawkins Br: Ore Mines			Ore Mines PS			Peastick Peasticks			Mn Owingsvi			Owingsville PS			Means PS			Flat Cree			Flat Creek			M Slate			Cree Slate			Creek W		
24hr Flow	24hr Fic	24hr Flow Total	24hr Flow	24hr Fic	24hr Flow Total	24hr Flow	24hr Fic	24hr Flow Total	24hr Flow	24hr Fic	24hr Flow Total	24hr Flow	24hr Fic	24hr Flow Total	24hr Flow	24hr Fic	24hr Flow Total	24hr Flow	24hr Fic	24hr Flow Total	24hr Flow	24hr Fic	24hr Flow Total	24hr Flow	24hr Fic	24hr Flow Total	24hr Flow	24hr Fic	24hr Flow Total	24hr Flow	24hr Fic	24hr Flow Total			
KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL	KGAL			
92000	25000	39702000	889000	2917575000	43000	46721000	448000	1677234000	0	177542000	97000	63940000	189000	197273000																					
140000	24000	39726000	881000	2918457000	43000	46764000	416000	1677649000	61000	177603000	0	63972000	181000	197454000																					
111000	26000	39752000	849000	2919308000	50000	46814000	391000	1678041000	28000	177631000	62000	64002000	215000	197669000																					
105000	25000	39777000	887000	2920195000	49000	46863000	467000	1678508000	18000	177631000	0	64036000	131000	197800000																					
117000	26000	39803000	765000	2920958000	48000	46911000	406000	1678913000	14000	177666000	0	64071000	71000	197871000																					
225000	25000	39828000	935000	2921895000	49000	46960000	465000	1679379000	1E+05	177795000	0	64105000	123000	197994000																					
106000	25000	39853000	754000	2922649000	54000	47014000	420000	1679798000	13000	177808000	0	64141000	73000	198067000																					
124000	25000	39878000	860000	2923510000	51000	47065000	434000	1680234000	28000	1778336000	173000	64175000	129000	198196000																					
144000	26000	39904000	955000	2924463000	48000	47112000	457000	1680690000	57000	177893000	0	64209000	194000	198389000																					
93000	27000	39930000	880000	2925348000	47000	47160000	469000	1681158000	3000	177896000	0	38000	192000	198582000																					
137000	14000	39955000	917000	2926261000	47000	47207000	454000	1681613000	46000	177942000	29000	76000	152000	198734000																					
122000	0	39980000	920000	2927185000	45000	47252000	466000	1682081000	41000	177983000	33000	109000	138000	198872000																					
153000	0	40005000	825000	2928005000	48000	47300000	404000	1682484000	57000	178040000	32000	141000	122000	198994000																					
111000	0	40030000	809000	2928813000	51000	47351000	453000	1682937000	20000	178060000	35000	176000	71000	199065000																					
120000	12000	40042000	756000	2929575000	45000	47396000	407000	1683345000	30000	178090000	33000	209000	114000	199179000																					
131000	36000	40065000	994000	2930563000	45000	47440000	477000	1683821000	54000	178144000	34000	242000	139000	199318000																					
120000	24000	40091000	840000	2931403000	43000	47484000	442000	1684263000	36000	178179000	34000	276000	190000	199508000																					
108000	26000	40117000	1045000	2932449000	45000	47528000	471000	1684733000	27000	178207000	34000	311000	241000	199749000																					
139000	20000	40138000	945000	2933394000	41000	47570000	455000	1685188000	30000	178237000	35000	346000	192000	199941000																					
143000	21000	40160000	883000	2934278000	47000	47617000	407000	1685596000	66000	178303000	35000	381000	194000	200135000																					
140000	10000	40180000	899000	2935175000	52000	47669000	499000	1686095000	15000	178318000	36000	417000	128000	200263000																					
162000	13000	40225000	950000	2936065000	51000	47720000	456000	1686553000	38000	178356000	38000	455000	131000	200394000																					
131000	31000	12000	966000	2937977000	48000	47768000	461000	1687012000	64000	178420000	41000	496000	131000	200525000																					
127000	26000	38000	843000	2938820000	50000	47867000	430000	1687480000	48000	178468000	39000	535000	207000	200732000																					
130000	26000	60000	805000	2939625000	45000	47913000	384000	1687911000	29000	178497000	41000	576000	132000	200864000																					
119000	28000	92000	794000	2940419000	45000	47958000	414000	1688294000	34000	178530000	38000	614000	140000	201004000																					
149000	26000	118000	903000	2941320000	49000	48007000	471000	1688708000	57000	178587000	48000	662000	91000	201095000																					
113000	27000	145000	880000	2942199000	45000	48051000	451000	1689178000	54000	178641000	60000	722000	110000	201205000																					
								1689631000	49000	178691000	53000	775000	121000	201326000																					

15056148 1/15/2013

Exhibit A-1-e

Director's Report
Billing Cycle: Cycle 1

Dec 2018

28 days

LEAK ZONE: ZONE C

USAGE PERIOD 12/01/2018 TO 12/31/2018

Zone Meter: EID: 81436919 SN: 35510034
 Zone Meter: EID: 81606458 SN: 18717031
 Zone Meter: EID: 70800049 SN: 29764097
 Water Pumped This Period
 Water Sold This Period
 Water Loss Accounted For
 Water Loss 0.00 %

C-94.8

Amount	Accounts
0	
0	
0	
0	
6,708,000	
0	
-6,708,000	

BILLING PERIOD 12/01/2018 TO 12/31/2018

Total WATER Sales This Period
 Total MSC Charges
 Total Late Charges
 Total Adjustments/Etc.
 Total Tax Or Fees
 Total Current Charges

*6708
- 4053

2655*

\$31,330.87	761
\$3,040.78	87
\$507.64	148
\$0.00	0
\$658.93	756
\$35,538.22	765

BILLING PERIOD 12/01/2018 TO 12/31/2018

Total Received On Account (Payments)
 Net Change In Membership (Deposits)
 Total Membership (Deposits) As Of 12/31/2018

\$-49,682.17	699
\$300.00	8
\$14,825.00	304

TOTAL RECEIVABLES AS OF 12/31/2018

Disconnects This Period
 Credit Balance (Over Or Prepay)
 Writeoff Or In Collections
 Inactive Or Finaled Accounts
 Active Customer Accounts
 Total Receivables

\$0.00	0
\$-825.77	9
\$0.00	0
\$3,198.19	24
\$35,213.39	765
\$38,411.58	789

Avg Usage This Period
 Avg Water Charge This Period

8,815	761
\$41.17	761

Usage Group	Accounts	Usage	% Of Usage	% Of Sales
Over 70000	1	0	0.00 %	0.00 %
60001-70000	0	0	0.00 %	0.00 %
50001-60000	1	0	0.00 %	0.00 %
40001-50000	0	0	0.00 %	0.00 %
30001-40000	1	0	0.00 %	0.00 %
20001-30000	7	0	0.00 %	0.00 %
15001-20000	6	0	0.00 %	0.00 %
10001-15000	12	0	0.00 %	0.00 %
8001-10000	13	0	0.00 %	0.00 %
6001-8000	42	0	0.00 %	0.00 %
4001-6000	99	0	0.00 %	0.00 %
2001-4000	212	0	0.00 %	0.00 %
1-2000	282	0	0.00 %	0.00 %
Zero Usage	84	0	0.00 %	0.00 %
Negative Usage	0	0	0.00 %	0.00 %
Totals		6,708,000		

BATH COUNTY WATER DISTRICT

Dec 2018	S-L	O-M	O-P	O-W	P-S	M-N	Far- mers	French burg	Owingsville #3	#2	#1	Sharps- burg	Flat Creek	US 60	Step- stone	How- ards Mill	Pre- ston	Haw- kins Branch	Ore Mines	Pea- sticks	Oville P S	Means P S							
31	30.2	17.3	36.3	95.4	29.2	33.0	1,197	usage	7	0	138	usage	191	usage	33	14	14	30	3	122	usage	25	924	usage	45	468	usage	41	
1	26.6	17.3	33.9	96.4	30.2	38.2	1,016	usage	7	0	122	usage	114	usage	192	32	15	27	3	153	usage	25	820	usage	48	403	usage	57	
2	27.6	17.7	33.1	96.7	27.5	32.5	1,070	usage	7	0	71	usage	140	usage	212	35	15	29	4	110	usage	25	808	usage	51	453	usage	20	
3	30.5	14.8	27.5	97.5	28.5	31.1	1,023	usage	7	0	114	usage	135	usage	173	33	15	25	4	121	usage	12	762	usage	45	408	usage	30	
4	31.6	18.6	36.3	98.0	25.7	36.3	1,236	usage	10	0	139	usage	165	usage	212	33	14	25	3	131	usage	23	988	usage	44	476	usage	54	
5	24.5	18.5	24.2	98.7	25.8	35.5	977	usage	10	0	190	usage	150	usage	188	34	16	32	4	119	usage	26	840	usage	44	442	usage	35	
6	28.5	18.7	34.6	95.5	22.9	32.6	1,316	usage	10	0	241	usage	197	usage	188	35	14	28	3	108	usage	26	1,046	usage	44	470	usage	28	
7	25.3	19.4	33.8	96.3	30.2	31.3	1,104	usage	7	0	192	usage	172	usage	183	35	15	32	4	138	usage	21	945	usage	42	455	usage	30	
8	31.3	17.5	33.5	97.2	26.7	39.0	1,195	usage	8	0	194	usage	124	usage	183	35	17	28	3	144	usage	22	884	usage	47	408	usage	66	
9	31.6	16.7	34.4	98.4	22.9	31.4	1,361	usage	7	0	128	usage	146	usage	240	38	14	25	4	103	usage	20	897	usage	52	499	usage	15	
10	32.0	15.2	33.6	95.4	27.3	30.0	1,067	usage	7	0	131	usage	171	usage	199	38	14	28	4	141	usage	10	890	usage	51	458	usage	38	
11	29.3	18.5	32.1	96.5	30.2	37.1	1,075	usage	8	0	131	usage	171	usage	186	41	15	28	7	163	usage	35	946	usage	50	468	usage	64	
12	31.6	18.4	30.7	95.6	24.5	37.8	1,165	usage	10	0	207	usage	164	usage	225	39	16	38	7	129	usage	31	966	usage	49	431	usage	29	
13	30.5	18.9	26.4	97.8	25.0	34.5	1,015	usage	11	0	132	usage	181	usage	170	41	14	30	7	128	usage	26	843	usage	49	431	usage	29	
14	25.0	19.0	26.3	98.4	30.1	30.2	882	usage	7	0	140	usage	120	usage	197	38	13	34	34	130	usage	22	805	usage	46	431	usage	33	
15	30.0	14.9	34.4	97.7	24.1	34.5	1,003	usage	7	0	91	usage	180	usage	171	48	17	30	23	118	usage	32	794	usage	45	414	usage	57	
16	30.7	15.5	34.2	95.0	29.9	36.0	1,059	usage	7	0	110	usage	197	usage	209	60	18	32	34	150	usage	26	901	usage	49	470	usage	54	
17	29.6	18.6	32.8	95.8	23.7	35.6	999	usage	7	0	121	usage	189	usage	185	53	15	28	23	113	usage	27	879	usage	44	453	usage	50	
18	32.4	16.5	35.1	97.0	22.5	33.8	1,052	usage	7	0	143	usage	176	usage	176	37	14	30	27	119	usage	26	868	usage	44	444	usage	41	
19	28.7	14.8	34.7	96.7	25.0	35.3	889	usage	8	0	144	usage	145	usage	181	38	15	35	33	119	usage	26	784	usage	43	391	usage	51	
20	25.2	19.1	30.9	97.4	30.6	34.9	956	usage	8	0	167	usage	160	usage	150	27	17	29	28	128	usage	27	850	usage	44	379	usage	46	
21	25.5	18.8	33.2	97.9	21.1	32.4	946	usage	8	0	174	usage	127	usage	189	34	17	34	25	88	usage	26	803	usage	42	384	usage	47	
22	29.4	18.9	35.4	96.2	25.2	33.5	1,096	usage	8	0	142	usage	178	usage	222	33	15	27	37	140	usage	28	906	usage	48	458	usage	55	
23	32.4	14.5	34.2	97.5	28.6	33.4	881	usage	8	0	67	usage	134	usage	177	31	15	30	35	137	usage	27	704	usage	51	395	usage	45	
24	25.2	16.5	27.8	97.8	25.8	31.6	798	usage	8	0	80	usage	127	usage	199	31	15	26	29	136	usage	28	745	usage	51	395	usage	45	
25	26.2	19.2	30.5	96.6	26.4	32.5	1,002	usage	9	0	65	usage	200	usage	187	33	14	28	27	135	usage	27	846	usage	46	447	usage	52	
26	19.4	19.1	31.5	97.1	24.4	33.7	849	usage	9	0	129	usage	134	usage	186	32	16	33	37	125	usage	25	809	usage	46	390	usage	59	
27	11.8	19.1	34.4	97.7	25.5	34.4	881	usage	9	0	149	usage	130	usage	179	32	16	26	27	137	usage	26	845	usage	46	379	usage	51	
28	28.9	16.0	33.5	96.4	29.7	32.8	1,246	usage	10	0	182	usage	181	usage	194	32	15	32	26	141	usage	25	885	usage	44	439	usage	43	
29	28.0	17.1	36.0	96.6	23.0	31.7	873	usage	11	0	75	usage	136	usage	173	33	16	28	21	117	usage	28	744	usage	45	375	usage	44	
30	26.0	15.4	34.1	97.8	22.7	31.6	797	usage	11	0	68	usage	112	usage	164	32	14	29	26	130	usage	26	681	usage	47	354	usage	46	
31	28.8	16.8	31.2	96.7	26.6	32.8	969	usage	11	0	69	usage	183	usage	192	31	15	26	37	136	usage	27	792	usage	45	441	usage	51	
Total							31,798	usage	262	0	4,108	usage	5,882	usage	1,122	474	913	589	3,987	usage	780	usage	26,276	usage	1,438	usage	13,209	usage	1,391
low	12	15	24	95	21	30	797	usage	7	0	65	usage	112	usage	150	27	13	3	88	usage	10	usage	681	usage	42	usage	354	usage	15
high	32	19	36	99	31	39	1,361	usage	11	0	241	usage	200	usage	240	60	18	37	163	usage	35	usage	1,046	usage	52	usage	499	usage	66
aver.	28	17	32	97	26	34	1,026	usage	8	0	133	usage	156	usage	190	36	15	19	129	usage	25	usage	848	usage	46	usage	426	usage	45

