

Mark David Goss mdgoss@gosssamfordlaw.com (859) 368-7740

June 19, 2018

RECEIVED

JUN 1 9 2018

PUBLIC SERVICE COMMISSION

VIA HAND DELIVERY

Gwen R. Pinson, Executive Director Kentucky Public Service Commission 211 Sower Boulevard Frankfort, KY 40602

Re: IN THE MATTER OF: AN INVESTIGATION INTO THE FEASIBILITY OF PROPOSED MERGER OF CAWOOD WATER DISTRICT AND BLACK MOUNTAIN UTILITY DISTRICT PURSUANT TO KRS 74.361 - Case No. 2018-00068

Executive Director Pinson:

Please find enclosed and accept for filing in the above-styled matter an original and six (6) copies of Cawood Water District's Response to Commission Staff's Third Request for Information propounded June 5, 2018. Please return a file-stamped copy of this submission to me.

I appreciate your assistance with this matter, and please do not hesitate to contact me with any questions or concerns.

Respectfully submitted,

Mark David Goss

Enclosures

Executive Director Pinson Case No. 2018-00068 June 19, 2018 Page 2 of 2

CERTIFICATE OF SERVICE

Pursuant to 807 KAR 5:001 Section 6, the undersigned certifies that, consistent with 807 KAR 5:001 Section 4(8), true and accurate copies of this letter and its enclosure have been placed into the custody and care of the United States Postal Service on June 19, 2018, for service upon the following:

Black Mountain Utility District 609 Four Mile Road Baxter, KY 40806-8437

Mark David Goss

Counsel for Cawood Water District

RECEIVED

COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

JUN 1 9 2018

PUBLIC SERVICE COMMISSION

AN INVESTIGATION INTO THE FEASIBILITY)	CASE NO. 2010 00000
OF PROPOSED MERGER OF CAWOOD WATER DISTRICT AND BLACK MOUNTAIN UTILITY)	CASE NO. 2018-00068
DISTRICT AND BLACK MOUNTAIN OTHERT I DISTRICT PURSUANT TO KRS 74.361)	·
CAWOOD WATER DISTRICT'S	DEC	DONGE TO

COMMISSION STAFF'S THIRD REQUEST FOR INFORMATION

Filed: June 19, 2018

Item 1
Page 1 of 3
Witness: Lana Pace

Cawood Water District Case No. 2018-00068 Commission Staff's Third Request for Information

- 1. Refer to Cawood District's response to Commission Staff's Second Request for Information ("Staff's Second Request"), Item 2(b).
 - a. Provide a detailed list of other Kentucky utilities, if any, that have a similar policy providing a monthly stipend to full-time employees to assist in "defraying general personal expenses" and to "share" cost savings from medical insurance costs.
 - b. Explain why Cawood District made the decision to provide a monthly stipend to its full-time employees instead of placing the monetary amount in salaries and wages.
 - c. Provide the general raise that Cawood District has given to its full-time and part-time employees for each of the last ten years.

Response:

- a. Cawood District has no knowledge of the compensation policies or practices of other Kentucky utilities and is therefore unaware of whether similar stipend policies may be in place.
- b. Cawood District decided to provide its full-time employees with a flat monthly stipend, as opposed to an hourly rate increase, in an effort to promote fairness and predictability with respect to this compensation. Due to the nature of the jobs they perform, Cawood District's employees often work hours that are difficult to predict with reasonable certainty; thus, while Cawood District considered placing the monetary amount in its employees' salaries and wages, it recognized that by doing so it and its employees would face greater compensation/cost variability due to fluctuations in the number of hours worked (most notably overtime as a result of leaks). To address this issue, Cawood District consulted its local board attorney and decided to pay the compensation as a monthly stipend. However, recognizing the Commission's discomfort with the stipend, it was removed by action of the Cawood District Board at the May, 2018 meeting in favor of the \$1.00/hour wage increase reflected in the chart provided in response to Item 1(c), below.

c. Please see below for a chart detailing the hourly wage increases awarded to each Cawood District employee for each of the last ten years.

	2007	2008	2009	2010	2011		2012
*D. ADKINS							
*B. BAKER							
**D.BAKER							
Q. BRITE	JAN .43					JULY	.25
	FEB 1.60						
*A. BROCK							
K. DANIELS			AUG .75		FEB .50	FEB	.50
P. DEAN			FEB 1.25			FEB	.25
*T. GOODIN						1	
*W. GREEN							
C. LEDFORD	JAN .21		FEB .50				
	APRIL .24						
C. MCCLAIN	JAN .31					JULY	.25
	FEB 1.50						
D. MIDDLETON						FEB	.50
*L. PACE	JAN .28					FEB	.25
	FEB 3.59						
P. RHYMER	JAN .25						
	FEB 1.03					FEB	.72
*R. STEWART			FEB .50 APRIL .25				
*C. TOMLIN	JAN 1.50						
	FEB 1.50					-41	
*R. WHITE							
*R. WILLIAMS							
* Denotes current (employee						

	2013	2014	2015	2016		2017		2018
*D. ADKINS					NOV	.75	MAY	1.00
*B. BAKER							MAY	1.00
**D.BAKER							JUNE	.75
Q. BRITE								
*A. BROCK							FEB	.75
							MAY	1.00
K. DANIELS							9	
P. DEAN								
*T. GOODIN					APRIL:	1.00	MAY	1.00
*W. GREEN							MAY	1.00
C. LEDFORD								
C. MCCLAIN				FEB 3.82				
D. MIDDLETON				AUG 1.00	MAR 1	.00		
*L. PACE							MAY	1.00
P. RHYMER								
*R. STEWART							MAY	1.00
*C. TOMLIN					NOV 1	50	MAY	1.00
*R. WHITE					NOV 1	.00	MAY	1.00
*R. WILLIAMS					NOV 1	25	MAY	1.00
* Denotes current employe	e							
** Dalton Baker was hired in	May. 2018	as Distributi	ion Staff					-

Cawood Water District Case No. 2018-00068 Commission Staff's Third Request for Information

- 2. Refer to Cawood District's response to Staff's Second Request, Item 2(c).
 - a. Confirm that Cawood District makes bank deposits every single business day.
 - b. If the answer to 2(a) is confirmed, explain if Cawood District has to make bank deposits every single business day, or if there is an alternative solution.
 - c. If the answer to 2(a) is not confirmed, provide the number of times per week Cawood District makes a bank deposit.
 - d. Explain if Cawood District has ever considered implementing a standard mileage reimbursement plan where employees are reimbursed a designated amount of cents per mile for driving their personal vehicle for business purposes, instead of providing a flat fee. If not, explain why not.
 - e. Confirm whether Cawood District has a company vehicle for employees to utilize when conducting business for Cawood District. If confirmed, explain why Cawood employees, such as the clerk, are not allowed to use the company vehicle to make the bank deposits.

Response:

- a. Unless no payments are received or personnel (the clerk) is not present to make the deposit, Cawood District's standard practice is to deposit with its bank any funds received during each business day.
- b. Cawood District has decided that leaving customer payments in an unattended office overnight presents unacceptable risk. Put simply, Cawood District is a member of a community that continues to face issues of need and crime; limited law enforcement resources and difficult terrain limit the effectiveness of alarm systems and safes, and daily bank deposits are presently necessary to promote the safety and security of Cawood District's personnel and assets.

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Page 2 of 2
Witness: Lana Pace

- c. Please see Cawood District's Response to Commission Staff's Second Request for Information, Item 2(c)(2), as well as Cawood District's Response to Item 2(a), above. The clerk does not make deposits every business day, but will generally make a deposit 4-5 days each week.
- d. Cawood District has considered such a standard mileage reimbursement plan and has decided to implement such a plan with respect to the clerk's mileage for bank deposits. Thus, the clerk will be reimbursed the Internal Revenue Service standard mileage rate of \$0.545 per mile (which at 14 miles roundtrip, equates to \$7.63), and will no longer receive the \$10 for each deposit.
- e. Cawood District does have a company truck for employees to utilize when conducting business for Cawood District. However, this vehicle is needed primarily for use by distribution and plant workers in the field and must be readily available to transport personnel and equipment in cases of leaks and other issues.

Cawood Water District Case No. 2018-00068 Commission Staff's Third Request for Information

- 3. Refer to Cawood District's response to Staff's Second Request, Item 4(c)(1).
 - a. Provide an explanation as to why Cawood District made the decision to use Kentucky Rural Water Association's water use and loss report forms instead of using Commission produced water use and loss report forms.
 - b. Provide Cawood District's monthly water use and loss reports from January 2017-May 2018 without any redactions.
 - c. Explain why Cawood District redacted the submitted water use and loss reports for January 2017-April 2018, and why the unknown loss percentage next to the redacted information was handwritten.
 - d. Explain how Cawood District is calculating the following water usage on the monthly water use and loss reports: water treatment plant, system flushing, and disinfection byproduct ("DBP") flushing.
 - e. Provide Cawood District's system flushing records from January 2017-April 2018.

Response:

- a. Cawood District has historically utilized the Kentucky Rural Water Association's water use and loss report forms due to the functionality of the tools provided by KRWA. Specifically, the software (spreadsheet) made available by the KRWA for use by utilities like Cawood District quickly and accurately calculates estimated gallonage used/lost based on inputs including size of line, size of crack or hole, and length of time of discharge.
 - Going forward, Cawood District will utilize the Commission-produced water use and loss report forms.
- b. Please see Page 3 through Page 19 of this Response.

Witness: Ronald Williams, Jr.

- c. Cawood District did not intend to redact the referenced water use and loss reports; instead, certain highlighting contained in the originals became opaque during the duplication process and the content rendered illegible was re-inserted by handwritten change. Please see Page 3 through Page 19 of this Response for unredacted versions of the referenced documents.
- d. Cawood District's water treatment plant usage is based on the number of times the plant's three (3) water treatment filters are backwashed (cleaned and flushed). Each backwash uses approximately 5,000 gallons of water. Generally, backwashes are performed on a regular 5-hour rotation schedule but may be performed more often if circumstances warrant (e.g., if the turbidimeters show a spike in the turbidity, or excessive rainwaters increase dirt and debris content).

Cawood District calculates its system flushing and DBP flushing utilizing the KRWA software described in Response 3(a), above. Cawood District inserts certain variables (size of the pipe, amount of time of discharge, and pressure) and the number of gallons used is then determined.

e. Please see Page 20 through Page 41 of this Response.

Wa ter Utili	ty: cawood water	PWSID	480565	
For the Mo	onth of: jan	Year:	2017	
1	PRODUCTION COST PER THOUSAND	(insert cost)	
2	PURCHASE COST PER THOUSAND		\$2.75	
			GALLONS	
	WATER PRODUCED or PURCHASED			
3	Water Produced		12,144,389	100%
4	Water Purchased \$0.00	IBOUL OFF	10 11 100	0%
5 6	TOTAL PRODUCED AND PU TOTAL COST #VALUE!	JRCHASEL	12,144,389	
	WATER SOLD			
7	Residential		5,700,867	
8	Commercial		0	
9	Industrial		0	
10	Bulk Loading Stations		0	
11	Wholesale		0	
12	Other Sales (explain)		0	
13	TOTAL WA	TER SOLE	5,700,867	46.94%
14	TOTAL WATER	NOT SOLE	6,443,522	53.06%
	BREAKDOWN OF WATER USAGE			
15	Water Treatment Plant		245,000	
16	Wastewater Treatment Plant			
17	System Flushing		325,000	
18	Fire Department Usage		350	
19	Other Usage (explain)			
20	тот	AL USAGE	570,350	
21	WATER LOSS PERCENT	TAGE FOR	RATE PURPOSES	48.36%
	BREAKDOWN OF WATER LOST			
22	Tank Overflows		0	
23	Excavation Breaks.		0	
24	Repaired Line Breaks		1,206,113	
25	Unknown Loss		4,667,059	38.43%
26	TOTAL WATER NOT SOLI	OR USE	5,873,172	
27	COST OF WATER NOT SOLI	D OR USE		
	"UNKNOWN LOSS" FLOW RATE AND COST:			
28		cnown Loss	, ,	
29	•	(nown Loss		
30	Number of Da			
31	"Unknown Loss" per Day (Gallo			
32 33	"Unknown Loss" per M "Unknown Loss" Co			
JJ	Officiowit Loss Co	or ini isiouff	n #VALUE!	
	<u></u>			

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Water Utili	ty: cawood water	PWSID:	ky0480565	
For the Mo	onth of: Feb	Year:	2017	
1	PRODUCTION COST PER THOUSAND	(insert cost		
2	PURCHASE COST PER THOUSAND	(meent cost	\$2.75	
2	1. Old I WOL GOD! I TIT III DOGNIE		Ψ2.10	
			GALLONS	
_	WATER PRODUCED or PURCHASED		44 675 000	4000/
3	Water Produced Water Purchased \$0.00		11,575,333	100%
4	Water Purchased \$0.00 TOTAL PRODUCED AND PU	DOUAGED	14 575 222	0%
5 6	TOTAL PRODUCED AND PU	KÇHASEL	11,575,333	•
	WATER SOLD			
7	Residential		4,788,387	
8	Commercial			
9	Industrial			
10	Bulk Loading Stations			
11	Wholesale			
12	Other Sales (explain)			
13	TOTAL WA	TER SOLD	4,788,387	41.37%
14	TOTAL WATER			58.63%
	BREAKDOWN OF WATER USAGE			
15	Water Treatment Plant		150,000	
16	Wastewater Treatment Plant			
17	System Flushing		420,985	
18	Fire Department Usage		150	
19	Other Usage (explain)			
20	TOTA	L USAGE	571,135	
21	WATER LOSS PERCENT			53.70%
	BREAKDOWN OF WATER LOST			00.7078
22	Tank Overflows			
23	Excavation Breaks			
24	Repaired Line Breaks		580,355	
25	Unknown Loss		5,635,456	48.69%
00	TOTAL WATER NOT OOLD			
26 27	TOTAL WATER NOT SOLD		• •	
27	COST OF WATER NOT SOLD	OR USEL	#VALUE!	
1	"UNKNOWN LOSS" FLOW RATE AND COST:			
28		nown Loss'	5,635,456	
29		nown Loss'		
30	Number of Day			
31	"Unknown Loss" per Day (Gallor	ns per Davi	201,266	
32	"Unknown Loss" per Mir			
33	"Unknown Loss" Cos	st for Month	#VALUE!	

Water Utilif	Utility: Cawood Water District		PWSID:[Ky0480565			
For the Mo	nth of:	march			Year:	2017	
1	שטאוונדור	N COST PER	THOUSAND	,	(insert cost)		
•		COST PER TI			(insert cost)		
•			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(110211 0001)		
						GALLONS	
		DUCED or PI	JRCHASED				
-	Water Produ					12,253,852	100.0%
	Water Purch		CTAL DRADUAT	-0 440 000	DOUAGED	42.052.852	0.0%
5 ნ			TOTAL PRODUCE TOTAL COST	#VALUE!	RCHASED	12,253,852	
	WATER SOI	.D					
	Residential					6,064,460	
_	Commercial						
	Industrial	Otalia a			!		
	Bulk Loading	Stations					
	Wholesale Other Sales	(evolain)					
12	Office Dales	(exhign)				·	
13			•	TOTAL WAT	TER SOLD	6,064,460	49.5%
14			TOTA	L WATER N	NOT SOLD	6,189,392	50.5%
	=	VN OF WATER	RUSAGE				
=	Water Treat					455,000	
		Treatment Pla	nt				45.741.11=1
17	System Flus						#VALUE!
18 19	Fire Departn DBP Flushin		DRP Mai	intenance		0	
13	DOF 1 IQQIIII	y	OD: 1910	aritorion (oc		<u>_</u>	
20				TOTA	AL USAGE	487, 9 74	•
21			WATER LOSS	PERCENT	AGE FOR I	RATE PURPOSES	46.5%
	BREAKDO	WN OF WATE	R LOST				
22			for DBP mainten	ance)			
23	Excavation I					0	115 44 5 14
24 25	Repaired Lin						#VALUE!
25	OUKNOWN EC	22				4,413,743	36.0%
26			TOTAL WATER	NOT SOLD	OR USED	5,701,418	
27			OST OF WATER	NOT SOLD	OR USED		
	"UNKNOW!	LOSS" FLO	W RATE AND CO				
28					nown Loss"	4,413,743	
29 30			\$1		nown Loss"		
30 31		nt	nu Inknown Loss" pei	imber of Day			
32				oss" per Mir			
33				n Loss" Cos			
- !					w		

Water Util	ity:		ood Water District	PWSID:	Ky0480565	
For the Me	onth of	April	 -	Year:	2017	
LOL THE W	onui oi.			· vai. L		
1	PRODUC	TION COST PER	THOUSAND	(insert cost)		
2		SE COST PER T		(insert cost)		
				_	GALLONS	
	WATER	RODUCED or P	JRCHASED			
3	Water Pro				12,253,852	100.0%
4	Water Pu			[0.0%
5 6			TOTAL PRODUCED / TOTAL COST #V/	AND PURCHASED ALUE!	12,253,852	
	WATER S	SOLD				
7	Residenti	al		[6,064,460	
8	Commen	cial				
9	Industrial					
10		ding Stations		ļ		
· 11	Wholesal)		
12	Other Sai	es (explain)				
13			TOT	AL WATER SOLD	6,064,460	49.5%
14			TOTAL W	ATER NOT SOLD	6,189,392	50.5%
						
		OWN OF WATER	RUSAGE	,		
.15		eatment Plant	1		455,000	
16		ter Treatment Pla	nt	,	20.074	44.781.1004
17	System F				32,974	#VALUE!
18	DBP Flus	artment Usage	DBP Mainte	nanaa	0	
19	DOP FILE	<u>. </u>	DDF Wante	iaiice		,
20				TOTAL USAGE	487,974	
21		AND APPLICATE		RCENTAGE FOR F	LATE PURPOSES	46.5%
22		DOWN OF WATE	r LOST For DBP maintenance	a) .	,	
22 23		on Breaks	TO DO MAINCHANG	,	0	
24		Line Breaks			1,287,675	₩/A) 11E)
25	Unknown			·	4,413,743	36.0%
_ 0		. 4000			7,710,170	QU.U.9
26			TOTAL WATER NO	T SOLD OR USED	<i>5,</i> 701 <i>,</i> 418	
27		C	OST OF WATER NO	T SOLD OR USED	#VALUE!	
	INI DATE NO	MALL COOR EL OL	U BATE AND COCY.			
28	UNKNO	WIN LUGG" FLU	W RATE AND COST:	"Unknown Loss"	4 449 749	
26 29	1			% "Unknown Loss"	4,413,743 36.0%	
30				er of Days in Period		
31	1	41 <u> </u>	inknown Loss" per Da	— — — — — — — — — — — — — — — — — — —	147,125	
32			"Unknown Loss	" per Minute (GPM)	147,125	
33	1		"Unknown Le	oss" Cost for Month	#VALUE!	

Water Utilit		PWSID:	ky0480565	
For the Mo	nth of:	Year.	2017	
FOI LITE INC	ttat ot.	i Gai.	2017	
1	PRODUCTION COST PER THOUSAND	(insert cost)		
2	PURCHASE COST PER THOUSAND	(insert cost)		
	ı		GALLONS	
	WATER PRODUCED or PURCHASED			
_	Water Produced		12,787,433	100.0%
	Water Purchased		0	0.0%
5 6	TOTAL PRODUCED AND PU TOTAL COST #VALUE!	RCHASED	12,787,433	
	WATER SOLD			
	Residential		7,029,301	
	Commercial			
	Industrial			
	Bulk Loading Stations Wholesale	,		
	Other Sales (explain)		~	
14-				
13	TOTAL WA	TER SOLD	7,029,301	55.0%
14	TOTAL WATER	NOT SOLD		45.0%
	BREAKDOWN OF WATER USAGE			
	Water Treatment Plant		175,000	
16	Wastewater Treatment Plant			
	System Flushing			#VALUE!
18 19	Fire Department Usage DBP Flushing DBP Maintenance		8,157	#VALUE!
19	DDF Finance pance		0,15/	#VALUE!
20	TOTA	AL USAGE	316,264	
21	WATER LOSS PERCENT	AGE FOR	RATE PURPOSES	42.6%
	BREAKDOWN OF WATER LOST			
22	Tank Overflows (other than for DBP maintenance)		100,000	
23 24	Excavation Breaks			#VALUE!
2 4 25	Repaired Line Breaks Unknown Loss			#VALUE!
20	OTIKIOWII LOSS		5,264,040	41.2%
26	TOTAL WATER NOT SOLE	OR USED	5,441,868	
27	COST OF WATER NOT SOLD			
	"UNKNOWN LOSS" FLOW RATE AND COST:			
28		nown Loss"	- 1— 1	
29 30		nown Loss"		
30	Number of Da "Unknown Loss" per Day (Gallo			
32	"Unknown Loss" per Mi			
33	"Unknown Loss" Cos			
				ŀ

Water Utilit	y: Cawood Water District PWSID:	ky0480565	
For the Mo	nth of: june Year:	2017	•
1	PRODUCTION COST PER THOUSAND (insert cost)		
	PURCHASE COST PER THOUSAND (insert cost)		
_	I DITOTIMOR GOOT LETTING GRAP	<u> </u>	
		GALLONS	
	WATER PRODUCED OF PURCHASED	(0.757.75)	
	Water Produced	12,787,433	100.0%
	Water Purchased	10.707.400	0.0%
5 6	TOTAL PRODUCED AND PURCHASED TOTAL COST #VALUE!	12,787,433	
	WATER SOLD		
	Residential	7,029,301	
	Commercial		
-	Industrial		
	Bulk Loading Stations		•
• •	Wholesale		
12	Other Sales (explain)	LJ	
13	TOTAL WATER SOLD	7,029,301	55.0%
14	TOTAL WATER NOT SOLD		45.0%
`	BREAKDOWN OF WATER USAGE		
	Water Treatment Plant	175,000	
	Wastewater Treatment Plant	175,000	
17	System Flushing	45,411	#VALUE!
18	Fire Department Usage	40,411	#4VFOE:
19	DBP Flushing DBP Maintenance		#VALUE!
20			
20	TOTAL USAGE		40.00/
21	WATER LOSS PERCENTAGE FOR I BREAKDOWN OF WATER LOST	KATE PURPOSES	42.9%
22		400,000	40.741.1174
22 23	Tank Overflows (other than for DBP maintenance) Excavation Breaks	1000,000	#VALUE!
23 24	Repaired Line Breaks	492 402	#VALUE!
25	Unknown Loss	5,202,172	#VALUE!
20	Oliniowii 2000	5,202,172	40.7%
26	TOTAL WATER NOT SOLD OR USED	5,485,365	•
27	COST OF WATER NOT SOLD OR USED		
	"UNKNOWN LOSS" FLOW RATE AND COST:		
28	"Unknown Loss"	5,202,172	
29	% "Unknown Loss"		
30	Number of Days in Period	31	
31	"Unknown Loss" per Day (Gallons per Day)		
32	"Unknown Loss" per Minute (GPM)		
33	"Unknown Loss" Cost for Month	#VALUE!	
	L	í	

Water Utili	ty: Cawood Water District] PWSID:	ky0480565	
For the Mo	onth of: july	Year:	2017	
1	PRODUCTION COST PER THOUSAND	(insert cost)	<u> </u>	
2	PURCHASE COST PER THOUSAND	(insert cost)		
2	1 SKONAGE GOOT I EK THOOGRAP	(magni cosi)		
			GALLONS	
_	WATER PRODUCED or PURCHASED	1	10.175.001	-0 -01
3	Water Produced		13,172,681	88.5%
4	Water Purchased TOTAL PRODUCED AND P		1,720,000	11.5%
5 6	TOTAL COST #VALUE!	UKCHASED	14,892,681	
	WATER SOLD			
7	Residential		6,987,336	
8	Commercial			
9	Industrial			
10	Bulk Loading Stations			
11	Wholesale	ŧ		
12	Other Sales (explain)		<u></u>	
13	TOTAL WA	ATER SOLD	6,987,336	46.9%
14	TOTAL WATER	NOT SOLD	7,905,345	53.1%
	BREAKDOWN OF WATER USAGE		·	
15	Water Treatment Plant	!	125,000	
16	Wastewater Treatment Plant			
17	System Flushing	•	51,827	#VALUE!
18	Fire Department Usage			
19	DBP Flushing DBP Maintenance		0	
20		AL USAGE	176,827	
21	WATER LOSS PERCEN	TAGE FOR I	KATE PURPOSES	51.9%
00	BREAKDOWN OF WATER LOST Tank Overflows (other than for DBP maintenance)			1
22 23	Excavation Breaks		<u> </u>	
23 24	Repaired Line Breaks		2,278,332	-48./AJ [E-1
2 4 25	Unknown Loss		5,450,187	36.6%
2,0	Olikijowii godo		3,430,107	30.0%
26	TOTAL WATER NOT SOL	D OR USED	7,728,518	
2 7	COST OF WATER NOT SOL	D OR USED	#VALUE!	
	"UNKNOWN LOSS" FLOW RATE AND COST:			1
28	2	known Loss"	5,450,187	
29		known Loss"	36.6%	
30	Number of D			
31	"Unknown Loss" per Day (Gall	ons per Davi	175,812	
32	"Unknown Loss" per M	finute (GPM)	122.09	j
33	"Unknown Loss" Co			
	1			

Water Utili	y: Cawood Water District] PWSID:	ky0480565	
For the Mo	nth of: aug	Year:	2017	
<u>.</u>	THE			
-	PRODUCTION COST PER THOUSAND PURCHASE COST PER THOUSAND	:	\$2.50 \$0.00	
2	PURCHASE COST PER THOUSAND		\$0.00	
			GALLONS	
	WATER PRODUCED or PURCHASED		15 (50 70 7	405.001
	Water Produced \$32,930.3	1	13,172,124	100.0%
-	Water Purchased \$0.00 TOTAL PRODUCED AND PL	IDCUACED	13,172,124	0.0%
5 6	TOTAL COST \$32,930.3		13,112,124	
	WATER SOLD			
7	Residential		6,827,854	
8	Commercial			
9	Industrial		<u> </u>	
10	Bulk Loading Stations			
	Wholesale			
12	Other Sales (explain)		<u> </u>	
13	TOTAL WA	TER SOLD	6,827,854	51.8%
14	TOTAL WATER	NOT SOLD	6,344,270	48.2%
	BREAKDOWN OF WATER USAGE			
15	Water Treatment Plant		42,580	
16	Wastewater Treatment Plant			
17	System Flushing		112,286	\$280.72
18	Fire Department Usage			
19	DBP Flushing DBP Maintenance		10	
20		al usage	_	
21	WATER LOSS PERCENT	TAGE FOR	RATE PURPOSES	47.0%
	BREAKDOWN OF WATER LOST			
22	Tank Overflows (other than for DBP maintenance)		<u></u>	
23	Excavation Breaks		4 254 200	# 0.400.00
· 24 25	Repaired Line Breaks Unknown Loss			
25	CHINIOWH LUSS		4,938,083	37.5%
26	TOTAL WATER NOT SOLI	D OR USED	6,189,404	
27	COST OF WATER NOT SOLI	OR USED	\$15,473.51	
00	"UNKNOWN LOSS" FLOW RATE AND COST:			
28		known Loss"	-1	
29 30		Known Loss"		
30 31	Number of Da "Unknown Loss" per Day (Gallo			
31 32	"Unknown Loss" per M	ms per Day) inute (CPM\	159,293 110.62	
33	"Unknown Loss" Co			•
			+ improved	

Water Utilit	ty:		Cawoo	d Water D	istrict	PWSID:	ky0480565	
For the Mo	nth of:		sept			Year:	2017	,
1	PRODUC	TION COS	T PER 1	HOUSANE)		\$0.00	
		SE COST			_		\$0.00	
							GALLONS	
	WATER F	RODUCE	D or PU	RCHASED		····		
	Water Pro				\$0.00		12,632,460	100.0%
•	Water Pu	rchased			\$0.00			0.0%
5 6			_	OTAL PRO	DUCED AND PU T \$0.00	RCHASED	12,632,460	
	WATER S							
•	Residenti						5,871,451	
8	Commerc							
_	Industrial						<u> </u>	
	Wholesal	ting Station	15					
• •		e es (explair	•1					
12	Other Sai	es (exhiaii	"——					
13					TOTAL WA	TER SOLD	5,871,451	46.5%
14					TOTAL WATER	NOT SOLD	6,761,009	53.5%
								
		OWN OF		USAGE				
15		eatment Pl	-				32,360	
16		ter Treatm	ent Plant				100.046	60.00
17	System F						400,046	\$0.00
18		artment Us	age	חם	IP Maintenance			
19	DBP Flus	anng		טם	P Mannenance		<u> </u>	
20						AL USAGE		
21					LOSS PERCENT	AGE FOR	RATE PURPOSES	50.1%
		OWN OF						
22			ner than f	for DBP ma	aintenance) ,			
23		on Breaks	1_				0	
24	•	Line Brea	KS				2,743,734	\$0.00
25	Unknown	LOSS					3,584,869	28.4%
26				TOTAL W	ATER NOT SOLI	OR USED	6,328,603	
27	- · · · · · · · - · · · · · · · ·		CC	OST OF W	ATER NOT SOLE	OR USED	\$0.00	
	PH / N/Chico	WW 1 000	E CLOW	DATE AND	D COOT.			
28	UNKNO	WAN TORS	LLOW	RATE AN		known Loss'	2 504 950	
26 29	}					(nown Loss		
30	i				Number of Da			
31			"l In	known I os	s" per Day (Gallo			
32]	,	J.,	"Unkn	own Loss" per Mi	inute (GPM)	82.98	
33					known Loss" Co			
						_		

Water Utili	ty: —		Cawood Wate	or District] PWSID:[ky0480565	
For the Mo	onth of:	0	ct		Year: [2017	
1	SHITTOGG	TION COST	PER THOUS	AND	٦	\$0.00	
			ER THOUSAN		<u> </u>	\$0.00	
-	. 01101121				Ļ	40.00	
						GALLONS	
			or PURCHAS		r	40 440 000	400.00/
	Water Pro			\$0.00		13,118,826	100.0%
•	Water Pu	rcnaseo	TOTAL	\$0.00 RODUCED AND PU	1DON 9 0 D	12 419 998	0.0%
5 6			TOTAL P		IKCHASED	13,118,826	
	WATER S	SOLD					
7	Residenti	al			[6,025,610	
8	Commerc	ial ·			[
9	Industrial				1		
10		ling Stations					
11	Wholesal						
12	Other Sal	es (explain)					
13				TOTAL WA	TER SOLD	6,025,610	45.9%
14				TOTAL WATER		7,093,216	54.1%
							
45			ATER USAGE	•	1	455.000	
15 46		eatment Plar				155,000	
16 17		ter Treatmer	it riant			4.004.044	60.00
17	System F	rusning artment Usag		•		1,061,214	\$0.00
19	DBP Flus		} c	DBP Maintenance		0	
19	DDF Flus	amg		DBF Mailiterialice		<u> </u>	
20					AL USAGE	1,216,214_	
21				ER LOSS PERCENT	FAGE FOR F	ATE PURPOSES	44.6%
			ATER LOST				
22			r than for DBP	maintenance)			
23		on Breaks				. 0	
24		Line Breaks	•			792,738	\$0 .00
25	Unknown	LOSS				5,084,264	38.8%
26			TOTAL	WATER NOT SOLI	D OR USED	5,877,002	
27			COST OF	WATER NOT SOLI	D OR USED	\$0.00	
	PUNKNO	1920 I NW	FLOW RATE	AND COST:			
28	CIAKIAO	TIN LUGG	LOWAIE		known Loss"	5,084,264	
2 9					known Loss"	5,084,264 38.8%	
30	1			Number of Da		36.6%	
31			"Unknown	Loss" per Day (Gallo		164,009	
32			U"	nknown Loss" per M	inute (GPM)	113.89	
33			_	"Unknown Loss" Co		\$0.00	
						42.55	

November Item uced, Purchased a ced ased	and Distributed Water Produced	Year:	2017 Galions 12,469,788 261,860 12,731,648	
uced, Purchased a ced ased		& Purchased	12,469,788 261,860	
ced ased		& Purchased	261,860	
ased	Water Produced	& Purchased	261,860	
	Water Produced	& Purchased		
	Water Produced	& Purchased	12,731,648	
	•			
			6,292,498	
			0	
			0	
Stations			0	
		<u> </u>	0	
(explain)	0		0	
	Tota	l Water Sales	6,292,498	49.4
r Used				
	Plant		0	
Treatment Plant			0	
		<u>:</u>		
e (explain)	DBP Maintenance	e	30,677	
	Total Othe	or Water Used	520,983	4.1
			 1	
		[· .	0	
			2,649,630	
			3,268,537	
	To	otal Line Loss	5,918,187	46.5
	r Used Water Treatment Treatment Plant shing nent Usage e (explain)	Total Total Total Total Total Total Total Total	Total Water Sales Total Water Sales Total Water Sales Water Treatment Plant Treatment Plant Shing Inent Usage (explain) DBP Maintenance Total Other Water Used Total Line Loss	Total Water Sales 6,292,498 r Used

Water Utili	ty:	Cawoo	d Water District	PWSID:	KY0480565	
For the Mo	onth of:	December		Year:	2017	
4	PDODUC	FION COST PER T	HUIGANU	(insert cost)		
•		SE COST PER THO		(insert cost)		
2	FURURA	SE COO! PER TIME	YORID	(maen cost)[
					GALLONS	
		RODUCED or PUR	RCHASED	,		400.004
3	Water Pro			Ì	12,533,687	100.0%
4	Water Pur		TAL BROOMSER A	20 DUDOUAGED	40 500 507	0.0%
5 6			TAL PRODUCED AND TAL COST #VAI	LUE!	12,533,687	
	WATER S	OLD				
7	Residentia	al			6,578,404	
8	Commerc	ial				
9	Industrial					
10	Bulk Load	ing Stations				
11	Wholesale	- "		,		
12	Other Sale	es (explain)				
13			TOTA	L WATER SOLD	6,578,404	52.5%
14		·		ATER NOT SOLD	5,955,283	47.5%
					0,000,200	77.070
	BREAKD	OWN OF WATER	USAGE			
15		eatment Plant		,	40,000	
16		ter Treatment Plant			,0,000	
17	System F				340,700	#VALUE!
18	•	ntment Usage				#VALUE!
19	DBP Flus	•	DBP Mainten	апсе	15,842	
20			1//4 #50 L 004 Dun	TOTAL USAGE	,	
21			WATER LOSS PER	CENTAGE FOR	RATE PURPOSES	42.2%
20	-	OWN OF WATER		•		
22			or DBP maintenance	•		
23	Excavation				0	!
24 25	Unknown	Line Breaks				#VALUE!
25	UIMOWN	LUSS	•		3,799,568	30.3%
26		<i>'</i> •	TOTAL WATER NOT	SOLD OR USED	5,284,355	
27			ST OF WATER NOT		-,	
	UNKNO	WN LOSS" FLOW	RATE AND COST:			
28	1			"Unknown Loss"	3,799,568	
. 29	ł			6 "Unknown Loss"		
30	1			of Days in Period		
31	1	"Uņ	known Loss" per Day		-	
32 33	1			per Minute (GPM) ss" Cost for Month		
JJ			CHANOMU FO	es costintindum	#VALUE!	
						i

Water Utili	ity:	Cawoo	d Water District	PWSID:	KY0480565	
For the Mo	onth of:	Jan	-	Year:	2018	
1	-	TION COST PER T		(insert cost)		
2	PURCHA	SE COST PER THO	DUSAND	(insert cost)		
					GALLONS	
		RODUCED or PUR	CHASED			
3	Water Pro				13,600,987	92.3%
4	Water Pu		TAL DRADUOED	AND DUDOUAGED	1,128,000	7.7%
5 6				AND PURCHASED ALUE!	14,728,987	
	WATER S	SOLD				
7	Residentia	al			7,198,986	
8	Commerc	ial				
9	Industrial					
10		ling Stations				
11	Wholesale					
12	Other Sak	es (explaiп)		, <u> </u>		
13			10	TAL WATER SOLD	7,198,986	48.9%
14			TOTAL V	VATER NOT SOLD	7,530,001	51.1%
	RREAKO	OWN OF WATER U	ISAGE			
15		eatment Plant			40,000	
16		er Treatment Plant			10,000	
17	System FI				52,682	#VALUE!
18		rtment Usage			9,505	
19	DBP Flus	hing	DBP Mainte	nance	0	
00				TOTAL HOAGE	100 407	
20			WATER LOCG OF	TOTAL USAGE	102;187	EA 407
21	DDCAVE	OWN OF WATER		RCENTAGE FOR F	ATE PURPOSES	50.4%
22		rflows (other than fo	-	۵۱		
23	Excavatio	•	DDF maintenanc	e <i>)</i>		
24		Line Breaks		•	1,520,249	#\/Δ F
25	Unknown				5,907,565	40.1%
20		2333			0,007,000	401770
26				T SOLD OR USED	7,427,814	
27		CO	ST OF WATER NO	T SOLD OR USED	#VALUE!	
				,		1
00	ן עאאטיין	WN LOSS" FLOW	RATE AND COST:		F 007 F07	i
28	l			"Unknown Loss"	5,907,565	
2 9 30	1		R1c spende	"Unknown Loss" er of Days in Period	40.1% 30	
30 31		lil Ink		er of Days in Period ay (Gallons per Day)	196,919	
32		Ulik		s" per Minute (GPM)	136.75	
33	1			oss" Cost for Month	#VALUE!	
- -	l _					

Water Util	ity:	Cav	ood Water District		PWSID:	KY0480565	
For the Me	onth of:	Feb.			Year:	2018	
							
1		TION COST PE			(insert cost)		
2	PURCHAS	SE COST PER '	THOUSAND		(insert cost)		
						GALLONS	
		RODUCED or I	PURCHASED				
3	Water Pro				ļ	10,202,490	95.7%
4	Water Pur	cnasea	TATAL BOOKUOER 4	مرية		454,000	4.3%
5 6			TOTAL PRODUCED A TOTAL COST #V/	ALUE!	CHASED	10,656,490	·
_	WATER S	-					
7	Residentia					5,407,836	
8	Commercia	ai			}	<u>-</u>	
9	Industrial	ing Stations			•		
10 11	Wholesale	ing Stations					
12		es (explain)			·		
12	Onlei Sale	es (exhiain)					
13			τοτ	AL WAT	ER SOLD	5,407,836	50.7%
14			TOTAL W	ATER N	OT SOLD	5,248,654	49.3%
	BREAKDO	OWN OF WATE	RUSAGE				
15		atment Plant	(CONOL		[40,000	
16		er Treatment Pi	ent			10,000	
17	System Flu				1	186,265	#VALUE!
18		tment Usage			Ì	0	
19	DBP Flush		DBP Mainter	nance		96,300	#VALUE!
							
20					USAGE	322;565	
21			WATER LOSS PE	RCENTA	GE FOR F	ATE PURPOSES	46.2%
00		OWN OF WATE		, ,	r		
22			n for DBP maintenance)	į.		
23	Excavation					0 254 570	
24 25		ine Breaks			. 1	3,254,578	
25	Unknown I	LUSS				1,671,510	15.7%
26		•	TOTAL WATER NO			4,926,089	
27			COST OF WATER NO	T SOLD (OR USED	#VALUE!	
	PUNICALOW	WILLOSS FLO	W RATE AND COST:	·			· ——
28	DIVINOR	IN LUGG PLU	W INVIEWING COST:	"Hakea	own Loss"	1,671,510	
29	l		•		own Loss"	1,671,510	
30	İ				in Period		
31	Ì	14	Jnknown Loss" per Day			55,717	
32		·	"Unknown Loss"			38.69	
33			"Unknown Lo			#VALUE!	
'	<u></u>						

Water Utilit	y:	Cawo	od Water District		PWSID:[KY0480565	
For the Mo	nth of:	March			Year: [2018	
1 .	DBUUIK.	TION COST PER	THOUSAND	fi	nsert cost)		
•		SE COST PER TH			nsert cost)		
~				`	· L	GALLONS	
		RODUCED or PL	IRCHASED				
-	Water Pro	•			1	10,559,000	100.0%
•	Water Pu				[0.0%
5 6			OTAL PRODUCED OTAL COST #	VALUE!	CHASED	10,559,000	
	WATER S						
	Residentia				}	6,022,485	
-	Commerc	ial			}		
-	Industrial	lian Otaliana			-		
10		ling Stations			-		
	Wholesal	e es (explain)				 {	
12	Other Sai	es (explair)					
13			TO	TAL WATE	R SOLD	6,022,485	57.0%
14			TOTAL	WATER NO	T SOLD	4,536,515	43.0%
		OWN OF WATER	RUSAGE				
15		eatment Plant				1,050,000	
16		ter Treatment Pla	nt				
17	System F				,	1,049,402	#VALUE!
18		artment Usage	22211			0	
19	DBP Flus	ining	DBP Main	tenance		193,475	#VALUE!
20		•			USAGE	_,	
21				PERCENTA	GE FOR	RATE PURPOSES	21.2%
45		DOWN OF WATE					
22		•	for DBP maintenar	nce)			
23		on Breaks Line Breaks				007.075	175 / 5 1 1 1 100-1
24 25	Unknown						#VALUE!
25	Oliviowi	1 1033				1,955,963	18.5%
26			TOTAL WATER N			2,243,638	
27			OST OF WATER N	OT SOLD (OR USED	#VALUE!	
	"IINKNO	WN I OSS" EL O	N RATE AND COS	T.			- -
28) JAKAR		HINIE MIE COS		wn Loss"	1,955,963	
29	1			% "Unkno			
30	1		N um	ber of Days			
31	1	۳Į	inknown Loss" per l				
32	1	_	"Unknown Lo	ss" per Minu	ite (GPM)	45.28	
33	1		"Unknown	Loss" Cost	for Month	#VALUE!	}
	L						Į

Water Utilit	ty:		Cawood V	Vater District		PWSID:	KY0480565	
For the Mo	nth of:	A	oril]		Year:	2018	
1	التارين	TION COST	DER THO	MISAND		(insert cost)		
		SE COST P				(insert cost)		
_						(, <u>,</u>	GALLONS	
	WATER F	RODUCED	or PURC	HASED				
3	Water Pro	duced					10,297,982	100.0%
4	Water Pur	rchased					-	0.0%
5 6				L PRODUCE L COST	D AND PUR #VALUE!	RCHASED	10,297,982	
	WATER S							
7	Residentia					1	6,156,370	
8	Commerc	ial				-		
9	Industrial	: Otatiana						
10		ling Stations				<u> </u>		
11 12	Wholesak	es (explain)				1		
12	Other Sak	es (explain)			· · · · · · · · · · · · · · · · · · ·			
13				Т	OTAL WAT	ER SOLD	6,156,370	59.8%
14					L WATER N		4,141,612	40.2%
 								
		OWN OF W		AGE				
15		eatment Plai				Ĺ	1,023,180	
16		ter Treatme	nt Plant			1		
17	System F					<u> </u>		#VALUE!
18	-	irtment Usa	je	DDD 14 3		1		#VALUE!
19	DBP Flus	ning		DBP Mair	ntenance		111,756	#VALUE!
20						L USAGE	1,846,544	
21					PERCENT/	AGE FOR R	ATE PURPOSES	22.3%
-00		DOWN OF V				r		•
22		ernows (otne on Breaks	r man mor L	OBP maintena	ince)	1		}
23 24		in breaks Line Breaks					045.750	#VALUE!
2 4 25	Unknown		•			Į.	2,079,312	
25	Oludioss)	7033					2,019,312	20.2%
26			TO	TAL WATER	NOT SOLD	OR USED	2,295,068	
27			COST	OF WATER	NOT SOLD	OR USED	#VALUE!	
-								
00	"UNKNO	wn Loss"	FLOW RA	TE AND COS			*	
28 29		•				nown Loss"	2,079,312	
2 9 1	\			Ŋ		NOWN LOSS"	20.2%	ļ
30 31			"I inkno	nur wn Loss" per	mber of Day Day (Gailor		30 50 310	
32	!		Othor.	"Unknown Lo			69,310 48.13	
33	!				n Loss" Cos		#VALUE!	1
	L							l

Item 3 Page 19 of 41 Witness: Ronald Williams, Jr.

Wate r Utilit	y; Cawood Water District PWS(D;	KY0480565	
For the Mo	nth of: Year:	2018	
1	PRODUCTION COST PER THOUSAND (insert cost)		
•	PURCHASE COST PER THOUSAND (insen cost		
£	LOSSINGE AND LESS STREET, STRE	'L	
		GALLONS	
	WATER PRODUCED or PURCHASED		455.50
-	Water Produced	10,255,100	100.0%
	Water Purchased	L-40.055.400	0.0%
5 6	TOTAL PRODUCED AND PURCHASED TOTAL COST #VALUE!	10,255,100	
	water sold		
7	Residential	6,258,016	
8	Commercial		
	Industrial		
	Bulk Loading Stations		
	Wholesale		
12	Other Sales (explain)		
13	TOTAL WATER SOLD	6,259,016	61.0%
14	TOTAL WATER NOT SOLD	3,996,084	39.0%
	BREAKDOWN OF WATER USAGE		
15	Water Treatment Plant	125.550	
16	Wastewater Treatment Plant		
7.7	System Flushing	,619,085	#VALJE!
18	Fire Department Usage	0	
19	DBP Flushing DBP Maintenance	33,817	#VALUE!
20	TOTAL USAGE		
21	WATER LOSS PERCENTAGE FOR	rate furposes	21.1%
	BREAKDOWN OF WATER LOST		
22	Tank Overflows (other than for DBP maintenance)		
23	Excavation Breaks	0	
24	Repaired Line Breaks		#VALUE!
25	Unknown Loss	1,669,996	16.3%
26	TOTAL WATER NOT SOLD OR USE		
27	COST OF WATER NOT SOLD OR USE	D #VALUE!	
	"UNKNOWN LOSS" FLOW RATE AND COST:		•
A.B			ì
28 29	"Unknown Lose % "Unknown Lose	.,	\
29 30			}
	Number of Days in Perio		<u>,</u>
31 32	"Unknown Loss" per Day (Gallons per Day "Unknown Loss" per Minute (GPN		,
33	"Unknown Loss" Cost for Mont		ł
	Outstown rose ocer to month	x THE WAY THE STATE OF THE STAT	
	وي وي المنافع والمنافع والمناف		B .

ltem 3 Page 20 of 41 Witness: Ronald Williams, Jr.

General Manager	DA	 	
Year 2017			

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
1-4-17	Day La	2	1.9	5 m.~		Ru/Dn
1-4-17	Hanrah Dr	2	2.0	5 m.w		Bul Du
1-4-17	avails PB	2	1.9	15 n.~		120/0m
1-4-17	Denin of	r	1.8	10 17:~		in /Dr
1-4-17	AMI ST	2	1.8	10 n.w		Pulba
1-4-17	carl ST	3	1.8	5 12.2		Rw/Dn
1-4-17	Long way	2	1.40	5 12.60		1501D4
1-4-17	Faith La	3"	20	100.00-	·	RUIDA
1-4-17	Trailor pure	2"	2.0	5 m.w		PulDn
1-4-17	Trailor park 2ed ce.w	2"	2.2	100.~		Pul Dn
1-4.17	FAL OF LINE	3"	1.Ce	10 n.w		15 -104
1-4-17	END OF Live Creek	2	1.6	lomin		D.M / AV
1-4-17	Creek RD	3	1.7	lonia	-	R-1UA
1-4-17	Saw Mill 1+010	2''	1.6	S M.a		Ruyan
1-4-17	crumies	411	1.8	10 0.00		RU/D.

General Manager	
Year 2017	

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE SIZE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
1-4-17	Slack Hou	2	1.6	5 n.w		Rulpn
1-4-17	987	4	1.7	5n.2		Pu/0-
1-4-17	3- Point	2~	1160	lonn		Ru Dn
1-4-17	Day Branch Tariller Perk	2 "	1.7	10 11-		Pw I Da
1-4-17	Day Brans	3 "	1.6	15 m.~		Ruton
1-4-17	AIDER	3"	1.5	10 min		RUIDM
1-4-17	Fee CT	3 ' '	1. 7	5 n.~		RUIDM
1-4-17	arees RD	3"	1.5	-		12L Dry
2-13-17	greys Brench RD	3.,	1.4	10 1-		RW
2-13-17	HLY G87	3 ′′	1.7	577.20		Ruko
2-13-17	ON HIR AT Dann	3"	1.0	1000-		PURD
2-13-17	AT Lake	3''	1-1	10m.n		R-105
2-17-17	Hmy 3463	3''	.9	10 m. ~		R-100
2-13-17	HOBIUT DE #1	3''	1.4	100		RUILD
2-13-17	HODOW DE # 2	3	1.4			

. ltem 3 Page 22 of 41 Witness: Ronald Williams, Jr.

General Manager	 	
Year 2017		

DATE	OR BLOW-OFFS	LINE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
2-13-17	Long For DI	3"	1,5	101.2	_	RUKD
2-13-17	ersie Bridge PD	3′′	1.5	lo m.x		Ru 100
2-13-17	Shuers confer on	3''				RU140
2-15-17	HazBor PD	3"	1.3	200.2		Pu 100
2.13.17	Snith RO	3 ''	1.4	5 n.~		RU/CD
2-13-7	M, Saylor IN	2"	1.1	5.4.W		RUICD
2-13-7	June Nr	2"	1,4	571.2		120/00
2-13-17	Kenneth Dr Right	3"	1.4	10 m. ~ -		Pules
2-13-17	Kenny Dr Righ	2"	1.4	5 m. ~		PUICD
2-13-17	Bri+70~ PD	3"	1.1	10 n.w		Ruico
2-14-17	JONSONS	3.,	1.7	ton.~	-	80101J
2-14-7	R. Veside	3''	1.8	100.2		Rulen
2-14-17	Bobereek	3	1.3	200.0		12-/6 1
2-14-17	BruceDr	3'				
2-14-17	mose Hovard House	3"	1.5	2000		PURD

ltem 3 Page 23 of 41 Witness: Ronald Williams, Jr.

Gene	ral Manager	 	
Year_	2017		

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	UNE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
2-14-17	MAT DAKS	4"	1.8	5M.M		PMED
2-14-17	B. 3 B. 124	3''	1.5	lon-		Rekey
2-14-17	Sheed will	3′′	1.4	15n-		Ru/CD
2-14-17	e~e 990	3''	1.5	300-		e-100
3-3-17	Wanpus Creek	3"	1.8	5M:N		Rulco
3-3-17	Chiveria Cano	3"	1.7	10 M.W		BOICH
3-317	1tw4 2074	3'	1.7	15m.~		Poleo
3.3.17	HEMID TEN LN	3''	1.9	20,40		15-160
3-3-17	M.11 DZ	3''	1.7	10 m.w		RUICD
337	gray 120	3"	1.7	10 ~~		Ruich
3-317	Pive, Br	3.	1.4	10M.N		Pulco
3 8-17	KnoBLN	40	1.7	10m. ~		Rul Day
3-8-17	Mogan De	3-	2.0	15m.2		20100
3-8-17	6 th Street	3"	1.9	26 4-4		Rr/Dy
3.8.7	5th speci) ÷	1-9	2000		K-11)x

General Manager	
Year 2017	

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
3-8-17	474 STreet	3"	1.6	ESn.		RU/Dn
3-8-17	3 Street	34	1.7	5m-		P-10-
3.8.7	2ª STREET	34	1.8	15 A.W		RUIDA
3-8-17	15 Spreet	3′′	1.9	kn~		Ryon
3.8 17	Ready nix Road	44	1. 7	20 min		24/07
3-8-17	TWW HILL	3:1	1.5	10 m.s		Rulom
38-17	Pace Hill	3''	1.2	10m.2		Rujon
3-8-17	1214	3"	1.4	IOM.W -		12-107
3-8-17	Pansy Loop	311	1.5	10 17.~		100100
3-8-17	nters RD	3"	1.6	15 n:~		RUIDA
3-8-17	Luke Dr	3′′	1.7	5 m. u		150104
3-8-17	moe Branch RD	3"	1.2	15 n.~		PulDy
3517	ALVIN 20	3 ′′	1.7	20min		Ru/100
3.8.7	ROCKY IN	3 ' '	1.6	201.~	,	RulDay
3-8-17	STANFIL	3′′	1.7	MIN		

ttem 3 Page 25 of 41 Witness: Ronald Williams, Jr.

General Manager	 	
Year 2017		

DATE	OR BLOW-OFFS	LINE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
3-8-17	474 STreet	3"	1.6	E Sn.		RU/D,
387	3 SNeer	34	1.7	Sn.		P=10-
3.8.7	2ª STREET	34	1.8	15 M.		RUIDA
3-8-17	15 Spreet	3"	1.9	kn-		Rulon
3.8 17	Ready nix Road	44	1.7	20 min		R-10.7
3-8-17	Twin Hill	3:1	1.5	10 m.s		Rulon
38-17	Pace Hill	3''	1.2	10min		ENIDA
3-3-17	1214	3"	1.4	10 mm -		12-107
3-8 17	Pansy Loop	34	1.5	10 m.~		15 0 1 Da
3-8-17	nters RD	3"	1.6	15 n.~		RUIDM
3-8・17	Luke Dr	3′'	1.7	5 m. s		150104
3-8-17	nce Branch RD	3"	1.2	15 n.~		RUIDM
3517	ALVIN RD	3'	1.7	20min		Ru10,
3.807	ROCKY IN	3''	1.6	201.~		Relon
3-8-17	STANFIL	311	1.7	10 min		

General Manager		
Year 2017		

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
3-8-17	Bardo Ho	3 %	1.2	10 M.N		RUIUM
38.17	end of live 72	3 "	1.1	10 Mm		Rulon
3.9-17	SUNSET DI	311	1,3	Dan		Kulby
3-9-17	Pope Hill	yu	1.8	10M.20		12-107
3-9-17	Baker ST	4"	1.5	10 n.~		K-102
3.9-17	WARD DT	3.4	1.4	10000		RJ/012
3-9-17	ward DA	3.′′	1,6	50.2		RUIDA
3-9-17	Farley ST	3"	1.9	5 m. ~		Rw/Den
39-17	morris LN	411	2.0	5n.~		RUIDA
3-9-17	Shope LN	3"	1,8	30 1.0		PULDA
3-9-17	OL:O ST	9"	1.7	20 n.m		RWIDM
3-9-17	neadou Brooke	3"	1.6	10 m.r		RulDA
3-9-17	Maple Dr	40	1.7	5 mm.	·	Kulba
3-9-17	CaBall Es	411	1.8	5 nin		Rw/012
3-9-17	willson	4"	1.8	5nr		K-104

General Manager	
Year 201 7	

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE	G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
39-17	Ray Ave	411	2.0	5 17.2		Rulby
3-9-17	Sally rachel	3"	2.0	5 n.~		RUIDA
3-10-17	Ban LN	410	1.4	10 m.~		Pulpa
3-10-17	Wallout LOOP	411	1.7	10 min		RUIDA
3-10-17	mar 10W	3"	1.6	10 17.0		R-107
3-10-17	Little Creek	3′′	1.4	10 m.~		Rul Din
3-10-17	miller DI	3''	1.3	54.~		124/00
3-10-17	Jourhan Dr #1	3"	1.4	5 m -		R-10-
3-10-17	Johnthow 12 #2	Fh	1.4	50		R-104
3-10-17	Johnston Oil #3	FG	1.4	5n		RulDs
3.10.17		3"	1.2	jon.~		PLIDM
3-10-17		3''	1.6	S n		R-10/2
307	mary ALCC PS	4"	2.1	201-		24104
3.017	many Alice #1	3.,	1,8	10 m.~		Rulon
3-10-17	more Alice #2	2''	1.5	50		120100

General Manager	
Year_2017	

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
3-15-17	LONG Wal	2	1.9	lon.~		20160
3-24-17	BOTEN OF TEAK HI'LL	411	1.8	10 n.4		RUICO
3.2417	CORTS LENFODS	3"	1.7	10/4-2		RUICD
3-24-17	Alica Dr	3"	1.4	10 m-m		FUICD
3-24-7	Shelter House Road	3/1	1.2	lon		Rules
3-24-17	PODEIL DR	375	1.8	jun-		120161)
3.2477	Eeo of 1138	311	1.8	200		K-ICD
3-2417	n: DDR Fild	7"	1.6	15/1-		RUCO
3.24-17	SK: Drave Con PD	3-	1.5	150		Mica
3.24-7	wins (n	3'′	1.4	15 m		レールロ
3 24-17	M. DOTON RD	3''	1.4	5~		2-100
3-24-17	EDD OF 421	3'	1.5	10 mm		Ruicis
3-25-17	End 568	3"	1.7	1.5 hours		CM
3.30-17	Suifes Strigs	3"	1.6	15 n.~		Pulco
3-31-17	SK-DAME RD	37	1.5	101-1		KullA

General Manager			· · · · · · · · · · · · · · · · · · ·
Year_2017	_		

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
3-15-17	LOUS WAI	2	1.9	10 m.~		20100
3-24-17	BOTEN OF TONK HOLL	411	1.8	10 n. 3		RUICO
3-2417	CORTS LENFODS	3"	1.7	10/4.2		RULCO
3-24-17	Alico Dr	3′'	1.4	10 n-~		Ruico
3-24-7	Shelter House Road	3'	1.2	IOA.		Rules
3-24-17	HOSEIL DR	3/1	1.8	101-		Pulcy
3.2477	Fed 01 1138	311	1.8	201-		RUICD
3-2477	niddle fild	7"	1.6	15/7-		RUICO
3 24-17	ski Dnore Con PD	34	1.5	151		126160
3-24-7	Nims (N	3'′	1.4	15 m		e-10
3 24-17	M. DOTON RD	P.'	1.4	5~		24/00
3-24-17	EDD OF YCI	3'	1.5	10 mm		Ruieis
3-25-17	End 568	3"	1.7	1.5 Lours		CM
3.30-17	Suifes Strigs	37	1.6	15 n.~		PHICO
3-31-17	SK. DAME RD	37	1.5	101-2		KullA

General Manager	 	
Year 2017		

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE SIZE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
>-31-17	Scat Brewch 20	3"	1.5	20min		R-1010
3.217	ENE 565	3~	B1.4	300-		R. KD
4-12-17	Francis In	2"	1.7	15min		D.M.CB
	mean Dr	21	1.4	10min		D.M/CD
	Wilson Pr	211	1.4	Swin		Du CP
4-12-17	•	111	1.4	5Nin		DN GD
4-12-17	1	311	(.)	3min		PM C.D
4-12-17	GilBert Hensley D.	411	1,2	13min		Duch
4-1217	Cool Hand	211	1.2	30min		D,MC
	ENDOFSMITT	411	18	20Min		DACI
8-15-17	JONNTHEN DF 42	FL	1.2	15 min		PLU KC
9-15-17	CreekRD	311	2.0	20Min		DM/C.
	Scale House	311	2.0	10mm		7.1/6.
9-18-17		31,	2.0	10 Mm		DN/S
9-19-17	grays Branch RD	3"	10	20 min		RU

General Manager	····	
Year <u>2017</u>		

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
9/2017	Los Way	2"	2.0	20m.2		50/2B
9-20-17	End 4/37	3"	1.0	30m.~		Cn/ps
9/21/17	Eed 1137	3"	1.2	30 M.N		PW/DM
9-21-17	SLITER ON 1137	3/4	_	10 n.~		Bn 123
9-29-17	AT TELE 987 FH	2'12	.2	15.17.2		150/DA
9-29-17	Find 987	3"	.a	20 17.2		124 /DA
9-29-17	Cool that RD	211	.5	20 M.W		RUIDA
9.29-17	Gilbert Hensle RD	411	1.5	20 n.~-		PUIDA
	Kely Smith PD	3''	1-1	15 M.W		PU/DA
£ = .	Hamin CN	2"	1.3	25mm		126/104
j	Wilson Dr	3311	1.3	10 M.N		PWIDA
	MEGDA Dr	3"	1.2	10 min		RWIDA
	M. HLY 987 EH	27/2	1.3	15~~	2 42	Per 10A
	Francis Lu	3"	1.1	20 M.W	-	RUIDA
	PUMP SAM	4"	トラ	10 n.x		2-101

General Manager	
Year 2017	

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
9/2017	Los Way	2"	2.0	20m.2		50/2B
9-20-17	End 4/37	3''	1.0	30m.~		Cn/ps
9-/21/17	Eed 1137	3"	1.2	30 n.~		PW/DM
9-21-17	SLITER ON 1137	3/4		10 n.~		Bn 120
9-29-17	AT TELE 987 FH	2'12	.2	15.17.N		150/DA
9-29-17	Find 987	3/1	.a	20 17.2		12W/BA
9-29-17	Cool Hand RD	210	.5	20 M.W		RUIDA
9.29-17	GIBET HENSIERD	4"	1.5	20 mm -	·	PUIDA
9-29-17	Kelly Smith PD	3''	[-]	15 M.W		RU/DA
9-29-17	Harain CN	2"	1.3	25 mm		126/104
9-29-17	Wilson Dr	311	1.3	10 M.R		PWIDA
9-29-17	MEGDA Dr	3 "	1.2	10 min		KM IDA
9-29-17	10. Hux 987 EH	27/2	1.3	1500		PU 10A
	Francis Lu	3"	1.1	20m.2		RUIDA
9-29-17	Pump State	4"	トラ	10 n.w		R-101

FLUSHING OF LINES

CAWOOD WATER DISTRICT

General Manager	
Year	

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED . APPROX.	FLUSHED BY
9-27-17	School C-E	3"		10		P.N
	GilDerT Heasley	361		20		Ew / Dm
	Day Ly	2''	110	20		RWIDM
10-9-17	HOLDOGH DE	2"	1.0	10		RWIDM
10-9-17	Qualls RD	2"	1.4	15		Per 104
109-17	Dennew ST	2"	1.5	10		Rw/Dn
	Carl ST	311	1.5	10		D.MR.L
	Ha15T	24	1.5	10 -		7.M/RU
10-9-11	LONG Way	2"	1.5	10		KUIDA
	FaithIn	311	1.5	15		P.N/R.U
	Trailor Park #1	2"	1.5	10		Pu (Dn
	Trailor Parte #2	2''	1.5	10		RWIDA
10-9-17	End 0= 1137	3"	1.5	10		Pu / Dr
10-9-11	End OF 11HICK	2"	1,5	30		PWIDM
	DAY LN	2''	2.0	5 m.~		RWIDM

General Manager	
Year 2017	

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE SIZE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
10-10-17	Hannah D-	2"	2.0	5		Rusion
0-10-17	Qualis RD	٤''	20	5 p.w		Pw/Dm
10-10-17	Demin 5	Zer	2.0	SMIN		Rulla
10-10-17	Notha Fh	21/2	2.0	10		Pw 100
6-10-17	H911 5	3"	2.0	5		Pulm
10-10-17	Ceri S	2"	2-0	5		RWIDA
10:10-17	Long way	ァ"	2.0	5		Rulom
	Faith LN	3"	2.1	6,20-		RUKOM
10.17	Trailor pure #1	2	2.1	5		RWIDM
	Trailor prak #2	2	2.1	5		PulDn
	End 1137	3	2-/	20		Rusion
	ENC LITHECTCER PA	2	2.1	20		Rus 10m
	CreckAD	3	2.1	5		P. M/R.
	Saumil	2	2.1	10		P.M/A
	Scale House	4		30		P.A/R

General Manager_	 	
Year 2017		

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE SIZE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
10-10-17	Hannah D-	211	2.0	5		fullon
	Qualls 2D	۷''	2-0	5 p.w		Pw/Dm
10-10-17	Demin &	24	20	SMIN		RULLA
10-10-17	Nolha Fh	21/2	2.0	R		Pulon
10-10-17	H911 5	3"	2.0	5		Per/Do
10-10-17	Ceri 9	211	2.0	5		1
10.10-17	Long way	2"	2.0	5		Rulom
10-10-17	Faith LN	3"	2.1	\$20-		RUM
16-10-17	Trailer Durk #1	.5	2.1	5		Rulon
	Trailor Prak #2	2	2.1	5		PulDn
	End 1137	3	2-1	20		RusiDn
10-10-17	ENC LittleCroth PA	2	2.1	20		Rus 10m
	Creek D)	3	2-1	5		P.M/R.W
10-12-17	Saumil	2	2.1	10		P.MIRA
	Scale House	4		30		P.M/R.

General Manager	
Year 2017	

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE SIZE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
10-12-17	Slack HOI	2	-2.0	10		D.M/R.V
10-17-17	987 AT 3 POINT	4	2.0	10		Du/k.V
10-12-17	370 INT	2	2.0	10		D.M/A
10-12-17	By Blanch	3	2.0	13		P.M/R.W
10-12-17	Alber/n	3	2.0	15		P.M/RW
	Fec. In	3	2.0	10		DM/RW
10-12-17	Geen Rb	3	2.0	15		DM/R.W
10-12-17	987 Before Dann	3	2.0	5		RUIDA
10-12-17	ON HILL AT Damn	3	2.0	15		Pulon
	AT lake	-3	7.0	5	-	201DA
16 -12-17	HWY 3463	3	2.0	5		hw/on.
	MOBRUS Dr #1	3	2,0	10		RulDn
10-12-17	& HOBRUT DE #L	3	2.0	5		RUIDA
10-12-17	Longford 20	3	2.0	5		RulDn
	engle Brigal BD	3	2.0	10		PW 18m

FLUSHING OF LINES

CAWOOD WATER DISTRICT

Gener	ai Manager
Year_	2017

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE SIZE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
10-12-1	Harbor RD	3				DM/Ru
10-20-17	Gray drive	3				A
11-22-17	421 HYDrant	a		120		D.M
11-22-17	Enb 421	2		60		D.M
11-22-17	En D 587	2		40		DN
11-24-67	PineBr	2		10		R.W
	Cool Hand Is D	2		30		Den
12-1-17	Daniels	2	1.0	15	,	Per 1BB
12-1-17	Fue of 987	3"	1.0	20		Rw/B12
12-1-17	GilBert Henslerd	411	1,9	10		RWIBB.
12-1-17	Kelly Snim RD	3"	1.5	10		12m /BB
12-1-17	Harlin La	2	1.0	10		12-1BB
12-1-17	harson RD	ę	1.6	10		Pn/ DO
12-1-17	Francio La	4	1.0	30		2/03
12-1-17	Day Br	3		10		DA/BD

General Manager	 	
Year 2017		

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE SIZE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
12-5-17	Little Crock Park #1	2	1.5	10 mm		DA/BB
	Pope Hill	4	1.4	10 min		DA/BB
	& Day Branch	3	1.4	10 mm		DAY BB
	Gray Branch RD	4	1.4	20 nm		DA
	HW/ 1216	3	1,0	10 mm		88 88
12-18-1	Chaurolete		1.0	10 min.		DAIBB
19-19-17			1,9	5 min		Rw
19-30-0	Bobs Creek		1.6	10 min		RW
	Huy 987		2.1	10 min		40
į.	Hwy 987 day Br		9.0	10 min		AG
13-24-1			1.6	5 min		RW
19-92-U	Crummies p.s.		1.8	5 min		cT
13-36-1	fee dr.		1,4	10 min		DA/BB
19-37-1	Crommies p.s.		1,6	5 min		CT
	Bobs Clar Pru		1,4			

FLUSHING OF LINES

CAWOOD WATER DISTRICT

General Manager	Ronnit	williams	
Year 2018	-		
	-		CHORINE

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE SIZE		APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
1-17	Gray KAOB Br	4	1.2	lono		Ru/DA
2-1-18	rectang way	2	1.4	lomin		RUKU
1	لامعض ليكعما	2	1.4	10 17-2		Rw1/BB
l .	gray KNOB BR	4	1.0	15 mw		4
3-6-18	Day LN	2	20	5		Ruku
3-6-18	Hamp DA	2	2.70	10		ڳڀ
3-6-18	QUAIIS RD	2	2.0	10		ķω
i .	_	2	20	10		122
3-6-18	FUISH HYDRANT Cawoud	21/2	20	15		RV
3-6-8	FUISH HYDRANT HIST	2/2	30	30		Ru
3-618	hong way	2	2-0	5		L.
	Hut 1137 endofline	3	1-8	10		Ru
/	Creek 20	3	1.8	20		Per
3-7-18	meda Diz	3	f. 8	IV		Zw
3-1-16	Sawmill Ho	2	1,4	20		PW

General Manager	RONNIE	WILLIAMS	
Year 2018			

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
3-7-18	3001 (masson)	4	1.8	15		RW
3-1-18	Brock Ho	2	1.8	15	,	RW
3-7-18	River Side Store	3	1.8	15		PW
3-19-18		2	2.0	5		Ru/Rw Rw/R
3-21-18	Day Brench	3	1.9	16		RNTR
3-21-18	Fee De	3	1.9	10		Ruke
3-21-18	WENNET LOOP	3	1.4	10		BBIDA
4-4-18	Hw 987	4	1.5	10		RW/POL
4-11-18	3- Pourar	2	1.5	30		RULPA
4-16-18	674 ST	3	ι, γ	30		RU/30/0
			•			

FLUSHING OF LINES

CAWOOD WATER DISTRICT

General Manager ROUNE WILLAMS
Vear

DATE	LOCATION OF HYDRANTS OR BLOW-OFFS	LINE	EST G.P.M.	APPROX. TIME OF FLUSHING	WATER USED APPROX.	FLUSHED BY
5-20-18	GUISTON	3''	1.2	15mm		DA BB
1-25-18		3"	1,21	10 nm		RW BB
1-6-18	Boscess HW 987	\$"	114	30 nm		RU
1-6-18	3- POUNT	2	1.3	20 m.		PW
1-17-18	HWY 987	4	1.4	30 m.~		RW
1-17-18	3-pour	2	1,-1	30 min		اعب
4-27-18	Hury Boot	4	1.6	30 , ~~		. Res
1-16-18	Gray Knos	3	1.5	45 n	-	Ru
HEP 51.1	674 ST gray KNOB	3	1.5	45n-		سم
5-3-18	Mary Alice Punps STATIN	4	114	10 m-		Pu
5-4-18	HW 2425 FH	2.5	1,4	15 Min		Ru
5-4-18	Vanbuer La FH	2.5	114	15:00		R~
5-1018	APP Chau Acad Flt	2.5	1,3	40 m.		Pa
5-18-18	was ST FH	25	1.9	20.11.0		1200

Cawood Water District Case No. 2018-00068 Commission Staff's Third Request for Information

4. [Item 4 was omitted from Commission Staff's Third Request for Information].

Item 5
Page 1 of 16
Witness: Lana Pace

Cawood Water District Case No. 2018-00068 Commission Staff's Third Request for Information

5. Provide a copy of all purchased power invoices that Cawood District paid during the calendar year ended December 31, 2016. Provide a legend for each address on the invoices that differentiates service related to the Cawood District service area or the Pathfork service area.

Response:

Cawood District has thirteen (13) accounts with Kentucky Utilities, four (4) of which relate to the Pathfork service area: Account Nos. ending 4392, 2317, 9609, and 0740.

Please see Page 2 through Page 16 of this Response for detailed usage and billing histories with respect to each account for calendar year 2016. Cawood District has attempted to compile all individual invoices as requested but believes the documents it is submitting satisfactorily provide the information sought by Commission Staff. Cawood District will endeavor to provide such additional information or documentation as directed by Commission Staff or the Commission.



a PPL company

CAWOOD WATER DISTRICT NA CATRONS CREEK RD Contract Account 9388

Device	Read Date	Usage	kw Demand	Bill Amount	Rate Category	Meter Reading Reason
2903385	01/21/2016	1,371.00	11.50	-\$12.34	RETIRED: GS Three Phase - Commercial	Periodic
2903385	02/18/2016	1,213.00	11.50	\$173.59	RETIRED: GS Three Phase - Commercial	Periodic
2903385	03/17/2016	973.00	11.90	\$151.13	RETIRED: GS Three Phase - Commercial	Periodic
2903385	04/18/2016	996.00	11.80	\$143.88	RETIRED: GS Three Phase - Commercial	Periodic
2903385	05/17/2016	896.00	11.50	\$133.32	GS Three Phase - Commercial	Periodic
2903385	06/17/2016	1,022.00	11.70	\$148.14	GS Three Phase - Commercial	Periodic
2903385	07/18/2016	1,391.00	11.70	\$185.74	GS Three Phase - Commercial	Periodic
2903385	08/17/2016	956.00	11.70	\$142.02	GS Three Phase - Commercial	Periodic
2903385	09/16/2016	946.00	11.70	\$140.99	GS Three Phase - Commercial	Periodic
2903385	10/17/2016	991.00	12.00	\$143.81	GS Three Phase - Commercial	Periodic
2903385	11/15/2016	845.00	11.70	\$128.01	GS Three Phase - Commercial	Periodic
2903385	12/15/2016	1,194.00	11.70	\$166.60	GS Three Phase - Commercial	Periodic

Page 3 of 16 Witness: Lana Pace



Kentucky Utilities Company **One Quality Street** Lexington, KY 40507-1462

a PPL company

CAWOOD WATER DISTRICT 340 UPPER ELCOMB DR PUMP

Contract Account 6754

Usage & Billing History (01/01/2016 to 01/31/2016)

Division: Electric

Device	Read Date	Usage	kw Demand	Bill Amount	Rate Category	Meter Reading Reason
L182882	01/19/2016	0.00		\$27.52	RETIRED: GS Single Phase - Commercial	Periodic



a PPL company

CAWOOD WATER DISTRICT NA PACE HILL Contract Account

Device	Read Date	Usage	kw Demand	Bill Amount	Rate Category	Meter Reading Reason
M443881	01/19/2016	53.00		\$32.88	RETIRED: GS Single Phase - Commercial	Periodic
M443881	02/18/2016	52.00		\$33.07	RETIRED: GS Single Phase - Commercial	Periodic
M443881	03/17/2016	38.00		\$31.48	RETIRED: GS Single Phase - Commercial	Periodic
M443881	04/18/2016	45.00		\$30.25	RETIRED: GS Single Phase - Commercial	Periodic
M443881	05/17/2016	37.00		\$29.88	GS Single Phase - Commercial	Periodic
M443881	06/16/2016	36.00		\$30.07	GS Single Phase - Commercial	Periodic
M443881	07/18/2016	35.00		\$29.88	GS Single Phase - Commercial	Periodic
M443881	08/17/2016	31.00		\$29.14	GS Single Phase - Commercial	Periodic
M443881	09/16/2016	34.00		\$29.28	GS Single Phase - Commercial	Periodic
M443881	10/17/2016	39.00		\$29.70	GS Single Phase - Commercial	Periodic
M443881	11/15/2016	39.00		\$29.60	GS Single Phase - Commercial	Periodic
M443881	12/15/2016	46.00		\$31.22	GS Single Phase - Commercial	Periodic



a PPL company

CAWOOD WATER DISTRICT 1100 HIGHWAY 421

Contract Account 7307

Device	Read Date	Usage	kw Demand	Bill Amount	Rate Category	Meter Reading Reason
W151116	01/19/2016	41.00		\$31.66	RETIRED: GS Single Phase - Commercial	Periodic
W151116	02/17/2016	32.00		\$30.93	RETIRED: GS Single Phase - Commercial	Periodic
W151116	03/16/2016	26.00		\$30.15	RETIRED: GS Single Phase - Commercial	Periodic
W151116	04/15/2016	30.00		\$28.70	RETIRED: GS Single Phase - Commercial	Periodic
W151116	05/16/2016	33.00		\$29.47	GS Single Phase - Commercial	Periodic
W151116	06/16/2016	23.00		\$28.73	GS Single Phase - Commercial	Periodic
W151116	07/18/2016	17.00		\$28.02	GS Single Phase - Commercial	Periodic
W151116	08/17/2016	3.00		\$26.20	GS Single Phase - Commercial	Periodic
W151116	09/16/2016	6.00		\$26.33	GS Single Phase - Commercial	Periodic
W151116	10/18/2016	25.00		\$28.24	GS Single Phase - Commercial	Periodic
W151116	11/15/2016	27.00		\$28.37	GS Single Phase - Commercial	Periodic
W151116	12/15/2016	25.00		\$29.03	GS Single Phase - Commercial	Periodic



a PPL company

CAWOOD WATER DIST NA BLACKMONT RD Contract Account

Usage & Billing History (05/18/2017 to 06/18/2018)

Device	Read Date	Usage	kw Demand	Bill Amount	Rate Category	Meter Reading Reason
2910726	05/24/2017	810.00	3.20	\$127.20	GS Three Phase - Commercial	Periodic
2910726	06/28/2017	958.00	3.20	\$142.94	GS Three Phase - Commercial	Periodic
2910726	07/27/2017	795.00	3.20	\$135.89	GS Three Phase - Commercial	Periodic
2910726	08/24/2017	746.00	3.20	\$131.12	GS Three Phase - Commercial	Periodic
2910726	09/27/2017	921.00	3.20	\$147.27	GS Three Phase - Commercial	Periodic
2910726	10/26/2017	756.00	3.20	\$128.59	GS Three Phase - Commercial	Periodic
2910726	11/22/2017	686.00	3.20	\$123.83	GS Three Phase - Commercial	Periodic
2910726	12/27/2017	875.00	3.20	\$144.57	GS Three Phase - Commercial	Periodic
2910726	01/01/2018	799.00	3.20	\$138.50	GS Three Phase - Commercial	Meter
2910726	02/23/2018	727.00	3.20	\$132.92	GS Three Phase - Commercial	Periodic
2910726	03/23/2018	677.00	3.20	\$123.05	GS Three Phase - Commercial	Periodic
2910726	04/25/2018	866.00	3.30	\$136.53	GS Three Phase - Commercial	Periodic
2910726	05/25/2018	883.00	3.20	\$140.35	GS Three Phase - Commercial	Periodic



a PPL company

CAWOOD WATER DISTRICT NA CRUMMIES Contract Account 5991

Usage & Billing History (01/01/2016 to 12/31/2016)

Division: Electric

Device	Read Date	Usage	kw Demand	Bill Amount	Rate Category	Meter Reading Reason
M402349	01/05/2016	0.00		\$27.52	RETIRED: GS Single Phase - Commercial	Periodic
M402349	02/02/2016	0.00		\$27.51	RETIRED: GS Single Phase - Commercial	Periodic
M402349	03/02/2016	0.00		\$27.28	RETIRED: GS Single Phase - Commercial	Periodic
M402349	04/01/2016	0.00		\$25.61	RETIRED: GS Single Phase - Commercial	Periodic
M402349	05/02/2016	0.00		\$26.09	RETIRED: GS Single Phase - Commercial	Periodic
M402349	06/01/2016	0.00		\$26.34	GS Single Phase - Commercial	Periodic
M402349	07/01/2016	0.00		\$26.27	GS Single Phase - Commercial	Periodic
M402349	08/02/2016	0.00		\$25.89	GS Single Phase - Commercial	Periodic
M402349	09/01/2016	0.00		\$25.69	GS Single Phase - Commercial	Periodic
M402349	10/03/2016	0.00		\$25.65	GS Single Phase - Commercial	Periodic
M402349	10/31/2016	0.00		\$25.58	GS Single Phase - Commercial	Periodic
M402349	12/05/2016	0.00		\$26.43	GS Single Phase - Commercial	Periodic
UNMETERE D	01/04/2016	52.00		\$8.69	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	02/02/2016	44.00		\$9.13	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	03/02/2016	40.00		\$9.30	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	04/01/2016	39.00		\$8.84	LS 428: OH HPS Open Bottom 9500L Fixture	



a PPL company

UNMETERE D	05/02/2016	36.00	\$8.87	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	06/01/2016	32.00	\$8.98	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	07/01/2016	30.00	\$8.96	LS 428: OH HPS Open Bottom 9500L Fixture	43
UNMETERE D	08/02/2016	33.00	\$8.96	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	09/01/2016	34.00	\$8.94	LS 428: OH HPS Open Bottom 9500L Fixture	1
UNMETERE D	09/30/2016	36.00	\$8.87	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	10/31/2016	43.00	\$8.80	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	12/01/2016	47.00	\$8.90	LS 428: OH HPS Open Bottom 9500L Fixture	



a PPL company

CAWOOD WATER DISTRICT NA SLACK HOLLOW

Contract Account 6346

Device	Read Date	Usage	kw Demand	Bill Amount	Rate Category	Meter Reading Reason
2901466	01/04/2016	2,203.00	9.80	\$266.79	RETIRED: GS Three Phase - Commercial	Periodic
2901466	02/02/2016	2,498.00	10.60	\$310.83	RETIRED: GS Three Phase - Commercial	Periodic
2901466	03/02/2016	2,636.00	10.50	\$334.85	RETIRED: GS Three Phase - Commercial	Periodic
2901466	04/01/2016	2,608.00	10.20	\$310.44	RETIRED: GS Three Phase - Commercial	Periodic
2901466	05/02/2016	2,191.00	9.90	\$265.64	RETIRED: GS Three Phase - Commercial	Periodic
2901466	06/01/2016	2,179.00	9.80	\$268.14	GS Three Phase - Commercial	Periodic
2901466	07/01/2016	2,253.00	10.10	\$274.32	GS Three Phase - Commercial	Periodic
2901466	08/02/2016	2,191.00	9.90	\$272.01	GS Three Phase - Commercial	Periodic
2901466	09/01/2016	2,402.00	9.90	\$294.70	GS Three Phase - Commercial	Periodic
2901466	10/03/2016	2,289.00	9.90	\$278.44	GS Three Phase - Commercial	Periodic
2901466	10/31/2016	2,215.00	16.60	\$269.18	GS Three Phase - Commercial	Periodic
2901466	12/05/2016	2,716.00	9.70	\$325.06	GS Three Phase - Commercial	Periodic



a PPL company

CAWOOD WATER DISTRICT NA CAWOOD BOTTOM PLANT

Contract Account 5209

Usage & Billing History (01/01/2016 to 12/31/2016)

Division: Electric

Device	Read Date	Usage	kw Demand	Bill Amount	Rate Category	Meter Reading Reason
C527885	01/04/2016	75,456.00	125.10	\$4,570.57	RETIRED: Power Service Secondary	Periodic
C527885	02/02/2016	76,032.00	129.30	\$4,845.18	RETIRED: Power Service Secondary	Periodic
C527885	03/02/2016	72,192.00	128.50	\$5,001.42	RETIRED: Power Service Secondary	Periodic
C527885	04/01/2016	61,344.00	126.70	\$4,254.18	RETIRED: Power Service Secondary	Periodic
C527885	05/02/2016	56,736.00	127.00	\$4,292.67	RETIRED: Power Service Secondary	Periodic
C527885	06/01/2016	46,464.00	81.10	\$3,131.53	PS Secondary - Commercial	Periodic
C527885	07/01/2016	47,616.00	82.50	\$3,170.01	PS Secondary - Commercial	Periodic
C527885	08/02/2016	48,288.00	84.20	\$3,343.41	PS Secondary - Commercial	Periodic
C527885	09/01/2016	40,800.00	84.40	\$3,123.08	PS Secondary - Commercial	Periodic
C527885	09/30/2016	43,872.00	83.50	\$2,950.29	PS Secondary - Commercial	Periodic
C527885	10/31/2016	52,128.00	101.70	\$3,501.14	PS Secondary - Commercial	Periodic
C527885	12/05/2016	74,784.00	124.20	\$4,583.67	PS Secondary - Commercial	Periodic
UNMETERE D	01/04/2016	52.00		\$8.69	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	02/02/2016	44.00	,	\$9.13	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	03/02/2016	40.00		\$9.30	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	04/01/2016	39.00		\$8.84	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	05/02/2016	36.00		\$8.87	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	06/01/2016	32.00		\$8.98	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	07/01/2016	30.00		\$8.96	LS 428: OH HPS Open Bottom 9500L Fixture	



a PPL company

UNMETERE D	08/02/2016	33.00	\$8.96	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	09/01/2016	34.00	\$8.94	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	09/30/2016	36.00	\$8.87	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	10/31/2016	43.00	\$8.80	LS 428: OH HPS Open Bottom 9500L Fixture	
UNMETERE D	12/01/2016	47.00	\$8.90	LS 428: OH HPS Open Bottom 9500L Fixture	



a PPL company

CAWOOD WATER DISTRICT NA STEEL HOUSE BRANCH Contract Account 3384

Device	Read Date	Usage	kw Demand	Bill Amount	Rate Category	Meter Reading Reason
C417303	01/04/2016	31.00		\$30.65	RETIRED: GS Single Phase - Commercial	Periodic
C417303	02/02/2016	26.00		\$30.29	RETIRED: GS Single Phase - Commercial	Periodic
C417303	03/02/2016	27.00		\$30.27	RETIRED: GS Single Phase - Commercial	Periodic
C417303	04/01/2016	28.00		\$28.50	RETIRED: GS Single Phase - Commercial	Periodic
C417303	05/02/2016	29.00		\$29.05	RETIRED: GS Single Phase - Commercial	Periodic
C417303	06/01/2016	28.00		\$29.25	GS Single Phase - Commercial	Periodic
C417303	07/01/2016	29.00		\$29.25	GS Single Phase - Commercial	Periodic
C417303	08/02/2016	29.00		\$28.93	GS Single Phase - Commercial	Periodic
C417303	09/01/2016	28.00		\$28.65	GS Single Phase - Commercial	Periodic
C417303	09/30/2016	27.00		\$28.45	GS Single Phase - Commercial	Periodic
C417303	10/31/2016	29.00		\$28.56	GS Single Phase - Commercial	Periodic
C417303	12/02/2016	30.00		\$29.55	GS Single Phase - Commercial	Periodic



a PPL company

CAWOOD WATER DISTRICT 10948B HIGHWAY 987 PUMP STA

Contract Account 6694

Device	Read Date	Usage	kw Demand	Bill Amount	Rate Category	Meter Reading Reason
2900477	02/02/2016	746.00	4.30	\$123.70	RETIRED: GS Three Phase - Commercial	Periodic
2900477	03/02/2016	451.00	4.30	\$93.47	RETIRED: GS Three Phase - Commercial	Periodic
2900477	04/01/2016	472.00	4.30	\$89.73	RETIRED: GS Three Phase - Commercial	Periodic
2900477	04/29/2016	442.00	4.30	\$86.91	RETIRED: GS Three Phase - Commercial	Periodic
2900477	06/01/2016	588.00	4.40	\$103.12	GS Three Phase - Commercial	Periodic
2900477	06/30/2016	460.00	4.30	\$89.46	GS Three Phase - Commercial	Periodic
2900477	08/01/2016	495.00	4.30	\$93.52	GS Three Phase - Commercial	Periodic
2900477	08/31/2016	445.00	4.20	\$88.09	GS Three Phase - Commercial	Periodic
2900477	09/29/2016	409.00	4.20	\$83.45	GS Three Phase - Commercial	Periodic
2900477	10/28/2016	412.00	4.40	\$83.39	GS Three Phase - Commercial	Periodic
2900477	11/30/2016	487.00	4.40	\$92.99	GS Three Phase - Commercial	Periodic
2900477	12/30/2016	431.00	4.40	\$86.04	GS Three Phase - Commercial	Periodic



a PPL company

CAWOOD WATER DISTRICT 15417 HIGHWAY 987

Contract Account

Device	Read Date	Usage	kw Demand	Bill Amount	Rate Category	Meter Reading Reason
L259803	02/01/2016	5.00		\$28.05	RETIRED: GS Single Phase - Commercial	Periodic
L259803	03/01/2016	5.00		\$27.84	RETIRED: GS Single Phase - Commercial	Periodic
L259803	03/31/2016	6.00		\$26.23	RETIRED: GS Single Phase - Commercial	Periodic
L259803	05/02/2016	5.00		\$26.61	RETIRED: GS Single Phase - Commercial	Periodic
L259803	06/01/2016	5.00		\$26.86	GS Single Phase - Commercial	Periodic
L259803	06/30/2016	5.00		\$26.79	GS Single Phase - Commercial	Periodic
L259803	08/01/2016	2.00		\$26.09	GS Single Phase - Commercial	Periodic
L259803	08/31/2016	0.00		\$25.69	GS Single Phase - Commercial	Periodic
L259803	09/29/2016	10.00		\$26.69	GS Single Phase - Commercial	Periodic
L259803	10/28/2016	17.00		\$27.33	GS Single Phase - Commercial	Periodic
L259803	11/30/2016	25.00		\$29.03	GS Single Phase - Commercial	Periodic
L259803	12/30/2016	24.00		\$28.54	GS Single Phase - Commercial	Periodic



a PPL company

CAWOOD WATER DISTRICT 3269 HIGHWAY 72

Contract Account 2317

Device	Read Date	Usage	kw Demand	Bill Amount	Rate Category	Meter Reading Reason
C373721	01/28/2016	0.00		\$27.52	RETIRED: GS Single Phase - Commercial	Periodic
C373721	02/25/2016	0.00		\$27.51	RETIRED: GS Single Phase - Commercial	Periodic
C373721	03/24/2016	0.00		\$27.28	RETIRED: GS Single Phase - Commercial	Periodic
C373721	04/26/2016	0.00		\$25.61	RETIRED: GS Single Phase - Commercial	Periodic
C373721	05/25/2016	0.00		\$26.09	RETIRED: GS Single Phase - Commercial	Periodic
C373721	06/24/2016	0.00		\$26.34	GS Single Phase - Commercial	Periodic
C373721	07/26/2016	0.00		\$26.27	GS Single Phase - Commercial	Periodic
C373721	08/25/2016	0.00		\$25.89	GS Single Phase - Commercial	Periodic
C373721	09/26/2016	0.00		\$25.69	GS Single Phase - Commercial	Periodic
C373721	10/25/2016	0.00		\$25.65	GS Single Phase - Commercial	Periodic
C373721	11/23/2016	0.00		\$25.58	GS Single Phase - Commercial	Periodic
C373721	12/28/2016	0.00		\$26.43	GS Single Phase - Commercial	Periodic



a PPL company

CAWOOD WATER DISTRICT 2525 W HIGHWAY 72 PUMP STA

Contract Account 4392

Divisi	on.	FI	001	tric
DIVIS	4011:	г.,		1114

Device	Read Date	Usage	kw Demand	Bill Amount	Rate Category	Meter Reading Reason
2903388	01/19/2016	436.00	11.80	\$88.13	RETIRED: GS Three Phase - Commercial	Periodic
2903388	02/17/2016	801.00	6.20	\$129.57	RETIRED: GS Three Phase - Commercial	Periodic
2903388	03/16/2016	988.00	6.90	\$152.80	RETIRED: GS Three Phase - Commercial	Periodic
2903388	04/15/2016	238.00	2.00	\$65.56	RETIRED: GS Three Phase - Commercial	Periodic
2903388	05/16/2016	252.00	1.20	\$67.50	RETIRED: GS Three Phase - Commercial	Periodic
2903388	06/16/2016	403.00	1.10	\$83.95	GS Three Phase - Commercial	Periodic
2903388	07/18/2016	564.00	6.50	\$100.29	GS Three Phase - Commercial	Periodic
2903388	08/17/2016	1,703.00	6.70	\$220.64	GS Three Phase - Commercial	Periodic
2903388	09/16/2016	1,769.00	6.40	\$227.88	GS Three Phase - Commercial	Periodic
2903388	10/18/2016	436.00	6.10	\$86.26	GS Three Phase - Commercial	Periodic
2903388	11/15/2016	421.00	6.50	\$84.31	GS Three Phase - Commercial	Periodic
2903388	12/15/2016	405.00	6.70	\$84.45	GS Three Phase - Commercial	Periodic

COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF:
AN INVESTIGATION INTO THE FEASIBILITY) OF PROPOSED MERGER OF CAWOOD WATER) CASE NO. 2018-00068 DISTRICT AND BLACK MOUNTAIN UTILITY) DISTRICT PURSUANT TO KRS 74.361)
VERIFICATION OF LANA PACE
COMMONWEALTH OF KENTUCKY) COUNTY OF HARLAN)
Lana Pace_, being duly sworn, states that s/he has supervised the preparation of certain of the responses of Cawood Water District to Commission Staff's Third Request for Information propounded in the above-referenced proceeding and that the matters and things set forth in those responses are true and accurate to the best of his/her knowledge, information and belief, formed after reasonable inquiry.
NAME GOOD
The foregoing Verification was signed, acknowledged and sworn to before me this 4 day of June, 2018, by La Na. Pace Manual Manual Human

COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF:	
AN INVESTIGATION INTO THE FEASIBILITY OF PROPOSED MERGER OF CAWOOD WATER DISTRICT AND BLACK MOUNTAIN UTILITY DISTRICT PURSUANT TO KRS 74.361 CASE NO. 2018-00068	
VERIFICATION OF Ronald Williams, Jr.	
COMMONWEALTH OF KENTUCKY) COUNTY OF HARLAN)	A
Ronald Williams, Jr., being duly sworn, states that s/he has supervised the preparation of certain of the responses of Cawood Water District to Commission Staff's Third Request for Information propounded in the above-referenced proceeding and that the matters and things set forth in those responses are true and accurate to the best of his/her knowledge, information and belief, formed after reasonable inquiry.	
Ronald Uticam Ju	
The foregoing Verification was signed, acknowledged and sworn to before me this day of June, 2018, by Nonald Williams Jr.	
NOTARY PUBLIC Commission Expiration: 9-28-19	na