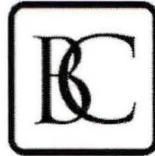


RECEIVED

MAY 18 2018

PUBLIC SERVICE
COMMISSION



BRIAN CUMBO

ATTORNEY AT LAW

86 W. Main St., Suite 100
P.O. Box 1844
Inez, KY 41224
(606) 298-0428
FAX: (606) 298-0316
cumbolaw@cumbolaw.com

ADMITTED IN KY AND WV

May 15, 2018

Public Service Commission
P.O. Box 615
Frankfort, KY 40602

RE: Martin County Water District
PSC Case No. 2016-00142

To Whom It May Concern:

Enclosed please find original and six (6) copies of Martin Water District's Response to MCCC's Second Request for Information and Response to PSC's Post Hearing Request dated May 1, 2018 regarding the above matter.

Thank you for your attention to this matter.

Very truly yours,

BRIAN CUMBO

BC/ld
Enclosure

RECEIVED

MAY 18 2018

PUBLIC SERVICE
COMMISSION

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

INVESTIGATION OF THE OPERATING)	
CAPACITY OF MARTIN COUNTY WATER)	CASE NO. 2016-00142
DISTRICT PURSUANT TO KRS 278.280)	

**MARTIN COUNTY WATER
DISTRICT'S RESPONSE TO
PSC'S POST HEARING REQUEST
FOR INFORMATION DATED
MAY 1, 2018**


CERTIFICATE OF SERVICE

This will certify that a true and correct copy of the foregoing was emailed and mailed, postage paid, on this the 15 day of May, 2018, to the following:

Public Service Commission
P.O. Box 615
Frankfort, KY 40602
brittany.koenig@ky.gov

Hon. Mary Varson Cromer
Appalachian Citizens' Law Center, Inc.
317 Main Street
Whitesburg, KY 41858
mary@appalachianlawcenter.org

Hon. M. Todd Osterloh
Hon. James Wilson Gardner
Sturgill, Turner, Barker & Moloney, PLLC
333 West Vine Street, Ste. 1400
Lexington, KY 40507
tosterloh@sturgillturner.com
jameswilsongardner@gmail.com


BRIAN CUMBO

1. Provide each Monthly Water Use Report for the period of February 1, 2016 through April 30, 2018. Each report should include water loss due to flushing. Martin District should continue to file these reports with the Commission every month.

RESPONSE: See attached Exhibit #1.

2. Provide each memorandum or other correspondence between Martin District and the Kentucky Rural Water Association for the period of February 1, 2018 through April 30, 2018. This request is a continuing request.

RESPONSE: None

3. For the period beginning March 1, 2018, to the present, by month, provide the amount of coal severance funds received by Martin County. This is a continuing request.

RESPONSE: The Martin County Fiscal court did not receive any coal severance grants, nor did they pass through any coal severance grants to the Martin County Water District during the period of March 1, 2018 through April 30, 2018.

4. By month, for the period beginning March 1, 2018, to the present, provide the amount of coal severance funds allocated by Martin County to Martin District. Also describe how those funds, if any, were received and used. This is a continuing request.

RESPONSE: See answer to #3.

5. State whether Martin District's commissioners have completed the water district commissioner training as required by KRS 74.020(b) and provide the date(s) of the training and the hours of training accrued for each commissioner. For commissioners that have not completed the training, provide an explanation for why the training was not completed and when and if the commissioner plans to complete the training.

RESPONSE: Jaryd Crum did not attend due to illness. John Horn did not attend one day due to work demands. They will complete training as soon as it is provided.

6. Provide an update with regard to the negotiations with the Prestonsburg City's Utilities Commission ("PCUC") for the lease and use of the Honey Branch Tank. Include any correspondence between PCUC and Martin District as well as any agreements or draft agreements.

RESPONSE: See attached Exhibit #2.

7. State whether Martin District has provided water to the United States Penitentiary, Big Sandy and the Honey Branch Tank for the period of time from March 1, 2018 until present. Provide the number of gallons per month, if any, Martin District pumped to the United States Penitentiary, Big Sandy, and the Honey Brank Tank, if any.

RESPONSE: See attached Exhibit #3.

8. Provide an update regarding any past-due amounts that Martin District owes PCUC for purchased water. For the period of time from March 1, 2018 until the present, provide the: a) amount of water purchased; b) amounts paid to PCUC; c) the amount of any past-due accounts to PCUC; and d) the status of the municipal lien that PCUC has filed against Martin District.

RESPONSE: a) None; b) None; c) PCUC claims it to be \$83,145.75; d) unresolved.

9. Provide an overview of efforts to implement recommendations from Bluewater Kentucky report issued on January 14, 2018. Specifically, discuss those designated as high priority by Bluewater Kentucky.

RESPONSE: Those efforts are ongoing, and currently being managed on a triage basis. Many have already been implemented, or are in the process of being implemented, as time and funds permit.

As to those which are high priority:

Finance/Accounting/Rates

1. Rate increase & surcharge have been implemented. Progress is being steadily made on reducing accounts payable. For example, in April, the District revenues exceeded billing by approximately \$20,000.00.
2. Done.
3. Not yet begun.
4. Ongoing.
5. Done.

Capital Improvement/Asset Management

1. Not yet done.
2. This process is ongoing, and several applications have been submitted.
3. Ongoing.
4. This project should be going to bid this month.

Water Treatment and Delivery

1. Done.
2. Ongoing.

Water Loss, Metering/Billing

1. Not yet.
2. Ongoing.

10. Provide an update of efforts to pursue grants and low-interest loans for critical capital projects.

RESPONSE: See Exhibit #4. An application is currently being prepared for improvements on new Route 3.

11. Provide a status update of the Abandoned Mine Land grants.

RESPONSE: Going to bid this month.

12. The Bluewater Kentucky contract terminates June 1, 208. Will Martin District renew or extend the contract?

RESPONSE: Renew.

VERIFICATION

I, Greg Scott, of the Martin County Water District, hereby verify that the responses and exhibits attached hereto are true and correct to the best of my knowledge.



GREG SCOTT

STATE OF KENTUCKY)

COUNTY OF MARTIN)

SUBSCRIBED, SWORN and ACKNOWLEDGED before me by Greg Scott this 14
day of May, 2018.

My Commission Expires: 9-18-18.



NOTARY PUBLIC, STATE AT LARGE

EXHIBIT

#1

Annual Water Use Report

Water Utility: **Martin County Water District**

Year: 2016 2016 Revised

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	696.292	99%
3	Water Purchased	10.341	1%
4	TOTAL PRODUCED AND PURCHASED	706.633	
WATER SOLD			
5	Residential	197.826	89%
6	Commercial	0.000	0%
7	Industrial	0.000	0%
8	Bulk Loading Stations	0.000	0%
9	Wholesale	0.000	0%
10	Other Sales (explain) Honey Branch	24.011	11%
11	TOTAL WATER SOLD	221.837	31%
12	TOTAL WATER NOT SOLD	484.796	69%
BREAKDOWN OF UNSOLD WATER USED			
13	Utility and/or Water Treatment Plant	5.631	1%
14	Wastewater Plant Estimated	0.000	0%
15	System Flushing Estimated	30.050	4%
16	Fire Department Estimated	3.725	1%
17	Other (explain)	0.000	0%
	TOTAL UNSOLD WATER USED	39.406	6%
BREAKDOWN OF WATER LOST			
18	Tank Overflows Estimated	0.000	0%
19	Line Breaks Estimated	186.774	26%
20	Other Loss	258.616	37%
	TOTAL UNSOLD WATER LOST	445.390	63%
"OTHER LOSS" FLOW RATE CALCULATION:			
21	"Other Loss"	258.616	
22	% "Other Loss"	37%	
23	Number of Days in Period	366	
24	"Other Loss" per Day (1,000's gallons per Day)	0.707	
25	"Other Loss" per Minute (GPM)	0.491	



Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **January**

Year: **2016**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	58.557	96%
3	Water Purchased	2.528	4%
4	TOTAL PRODUCED AND PURCHASED	61.085	

	WATER SOLD		
5	Residential	19.109	92%
6	Commercial	0.000	0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain) <u>Honey Branch Industrial Park</u>	1.697	8%
11	TOTAL WATER SOLD	20.806	34%
12	TOTAL WATER NOT SOLD	40.279	66%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.503	1%
14	Wastewater Plant	0.000	0%
15	System Flushing	Estimated 2.500	4%
16	Fire Department	Estimated 0.350	1%
17	Other (explain)	Estimated 0.000	0%
	TOTAL UNSOLD WATER USED	3.353	5%

	BREAKDOWN OF WATER LOST		
18	Tank Overflows	0.000	0%
19	Line Breaks	21.926	36%
20	Other Loss	15.000	25%
	TOTAL WATER LOST	36.926	60%

"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	15.000
22	% "Other Loss"	25%
23	Number of Days in Period	31
24	"Other Loss" per Day (1,000's gallons per Day)	0.484
25	"Other Loss" per Minute (GPM)	0.336



This form approved by: EPPC/DEP/DOW, KY PSC, KRWA

Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: February

Year: 2016

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	56.058	96%
3	Water Purchased Kermit Water	2.430	4%
4	TOTAL PRODUCED AND PURCHASED	58.488	

	WATER SOLD		
5	Residential	14.629	95%
6	Commercial	0.000	0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain) Honey Branch	0.769	5%
11	TOTAL WATER SOLD	15.398	26%
12	TOTAL WATER NOT SOLD	43.090	74%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.482	1%
14	Wastewater Plant		0%
15	System Flushing	Estimated 2.500	4%
16	Fire Department	Estimated 0.250	0%
17	Other (explain)	Estimated	0%
	TOTAL UNSOLD WATER USED	3.232	6%

	BREAKDOWN OF WATER LOST		
18	Tank Overflows	0.000	0%
19	Line Breaks	Estimated 15.256	26%
20	Other Loss	Estimated 24.602	42%
	TOTAL WATER LOST	39.858	68%

"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	24.602
22	% "Other Loss"	42%
23	Number of Days in Period	29
24	"Other Loss" per Day (1,000's gallons per Day)	0.848
25	"Other Loss" per Minute (GPM)	0.589



Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **March**

Year: **2016**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	59.366	95%
3	Water Purchased	2.823	5%
4	TOTAL PRODUCED AND PURCHASED	62.189	
	WATER SOLD		
5	Residential	17.597	82%
6	Commercial	0.000	0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain) <u>Honey Branch Industrial Park</u>	3.858	18%
11	TOTAL WATER SOLD	21.455	34%
12	TOTAL WATER NOT SOLD	40.734	66%
	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.469	1%
14	Wastewater Plant	0.000	0%
15	System Flushing	Estimated 3.000	5%
16	Fire Department	Estimated 0.250	0%
17	Other (explain)	Estimated	0%
	TOTAL UNSOLD WATER USED	3.719	6%
	BREAKDOWN OF WATER LOST		
18	Tank Overflows	0.000	0%
19	Line Breaks	Estimated 14.500	23%
20	Other Loss	Estimated 22.515	36%
	TOTAL WATER LOST	37.015	60%



"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	22.515
22	% "Other Loss"	36%
23	Number of Days in Period	31
24	"Other Loss" per Day (1,000's gallons per Day)	0.726
25	"Other Loss" per Minute (GPM)	0.504



Monthly Water Use Report

Water Utility:	Martin County Water District				
For the Month of:	April	Year:	2016		
LINE #	ITEM				GALLONS (Omit 000's) %
1	WATER PRODUCED or PURCHASED				
2	Water Produced				57.406 99%
3	Water Purchased				0.419 1%
4	TOTAL PRODUCED AND PURCHASED				57.825
WATER SOLD					
5	Residential				17.597 82%
6	Commercial				0.000 0%
7	Industrial				0%
8	Bulk Loading Stations				0%
9	Wholesale				0%
10	Other Sales (explain)	Honey Branch			3.832 18%
11	TOTAL WATER SOLD				21.429 37%
12	TOTAL WATER NOT SOLD				36.396 63%
BREAKDOWN OF UNSOLD WATER USED					
13	Utility and/or Water Treatment Plant				0.404 1%
14	Wastewater Plant				0.000 0%
15	System Flushing			Estimated	3.500 6%
16	Fire Department			Estimated	0.350 1%
17	Other (explain)			Estimated	0.000 0%
	TOTAL UNSOLD WATER USED				4.254 7%
BREAKDOWN OF WATER LOST					
18	Tank Overflows				0.000 0%
19	Line Breaks	(Elk Creek, Petercave, Railroad)		Estimated	24.142 42%
20	Other Loss			Estimated	8.000 14%
	TOTAL WATER LOST				32.142 56%
"OTHER LOSS" FLOW RATE CALCULATION:					
21				"Other Loss"	8.000
22				% "Other Loss"	14%
23				Number of Days in Period	30
24				"Other Loss" per Day (1,000's gallons per Day)	0.267
25				"Other Loss" per Minute (GPM)	0.185

This form approved by: EPPC/DEP/DOW, KY PSC, KRWA

Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **May**

Year: **2016**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	58.563	99%
3	Water Purchased	0.348	1%
4	TOTAL PRODUCED AND PURCHASED	58.911	
	WATER SOLD		
5	Residential	14.214	84%
6	Commercial	0.000	0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain) <u>Honey Brach</u>	2.782	16%
11	TOTAL WATER SOLD	16.996	29%
12	TOTAL WATER NOT SOLD	41.915	71%
	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.481	1%
14	Wastewater Plant	0.000	0%
15	System Flushing	Estimated 2.250	4%
16	Fire Department	Estimated 0.250	0%
17	Other (explain)	Estimated	0%
	TOTAL UNSOLD WATER USED	2.981	5%
	BREAKDOWN OF WATER LOST		
18	Tank Overflows	Estimated 0.000	0%
19	Line Breaks	Estimated 12.250	21%
20	Other Loss	26.684	45%
	TOTAL WATER LOST	38.934	66%
	"OTHER LOSS" FLOW RATE CALCULATION:		
21	"Other Loss"	26.684	
22	% "Other Loss"	45%	
23	Number of Days in Period	31	
24	"Other Loss" per Day (1,000's gallons per Day)	0.861	
25	"Other Loss" per Minute (GPM)	0.598	



Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **June**

Year: **2016**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	58.356	100%
3	Water Purchased	0.285	0%
4	TOTAL PRODUCED AND PURCHASED	58.641	

	WATER SOLD		
5	Residential	18.160	84%
6	Commercial	0.000	0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain)	Honey Branch Industrial Park	3.481 16%
11	TOTAL WATER SOLD	21.641	37%
12	TOTAL WATER NOT SOLD	37.000	63%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.461	1%
14	Wastewater Plant	Estimated 0.000	0%
15	System Flushing	Estimated 2.750	5%
16	Fire Department	Estimated 0.350	1%
17	Other (explain)	Estimated	0%
	TOTAL UNSOLD WATER USED	3.561	6%

	BREAKDOWN OF WATER LOST		
18	Tank Overflows	Estimated 0.000	0%
19	Line Breaks	Estimated 14.600	25%
20	Other Loss	18.839	32%
	TOTAL WATER LOST	33.439	57%



"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	18.839
22	% "Other Loss"	32%
23	Number of Days in Period	30
24	"Other Loss" per Day (1,000's gallons per Day)	0.628
25	"Other Loss" per Minute (GPM)	0.436



Monthly Water Use Report

Water Utility:	Martin County Water District				
For the Month of:	July	Year:	2016		
LINE #	ITEM			GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED				
2	Water Produced			58.102	99%
3	Water Purchased			0.668	1%
4	TOTAL PRODUCED AND PURCHASED			58.770	
WATER SOLD					
5	Residential			18.160	90%
6	Commercial			0.000	0%
7	Industrial				0%
8	Bulk Loading Stations				0%
9	Wholesale				0%
10	Other Sales (explain)	Honey Branch		2.090	10%
11	TOTAL WATER SOLD			20.250	34%
12	TOTAL WATER NOT SOLD			38.520	66%
BREAKDOWN OF UNSOLD WATER USED					
13	Utility and/or Water Treatment Plant			0.480	1%
14	Wastewater Plant			0.000	0%
15	System Flushing		Estimated	1.300	2%
16	Fire Department		Estimated	0.350	1%
17	Other (explain)		Estimated		0%
	TOTAL UNSOLD WATER USED			2.130	4%
BREAKDOWN OF WATER LOST					
18	Tank Overflows			0.000	0%
19	Line Breaks		Estimated	14.500	25%
20	Other Loss			21.890	37%
	TOTAL WATER LOST			36.390	62%
"OTHER LOSS" FLOW RATE CALCULATION:					
21				"Other Loss"	21.890
22				% "Other Loss"	37%
23				Number of Days in Period	31
24				"Other Loss" per Day (1,000's gallons per Day)	0.706
25				"Other Loss" per Minute (GPM)	0.490

This form approved by: EPPC/DEP/DOW, KY PSC, KRWA

Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **August**

Year: **2016**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	56.347	99%
3	Water Purchased	0.762	1%
4	TOTAL PRODUCED AND PURCHASED	57.109	

	WATER SOLD		
5	Residential	14.344	82%
6	Commercial	0	0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain)	Honey Branch	3.080 18%
11	TOTAL WATER SOLD	17.424	31%
12	TOTAL WATER NOT SOLD	39.685	69%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.483	1%
14	Wastewater Plant	Estimated 0.000	0%
15	System Flushing	Estimated 1.500	3%
16	Fire Department	Estimated 0.325	1%
17	Other (explain)	Estimated	0%
	TOTAL UNSOLD WATER USED	2.308	4%

	BREAKDOWN OF WATER LOST		
18	Tank Overflows	0.000	0%
19	Line Breaks	10.800	19%
20	Other Loss	26.577	47%
	TOTAL WATER LOST	37.377	65%

"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	26.577
22	% "Other Loss"	47%
23	Number of Days in Period	31
24	"Other Loss" per Day (1,000's gallons per Day)	0.857
25	"Other Loss" per Minute (GPM)	0.595



Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **September**

Year: **2016**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	57.596	100%
3	Water Purchased	0.078	0%
4	TOTAL PRODUCED AND PURCHASED	57.674	

	WATER SOLD		
5	Residential	17.760	95%
6	Commercial	0.000	0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain)	Honey Branch	0.927 5%
11	TOTAL WATER SOLD	18.687	32%
12	TOTAL WATER NOT SOLD	38.987	68%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.499	1%
14	Wastewater Plant	Estimated 0.000	0%
15	System Flushing	Estimated 2.500	4%
16	Fire Department	Estimated 0.250	0%
17	Other (explain)	Estimated	0%
	TOTAL UNSOLD WATER USED	3.249	6%



	BREAKDOWN OF WATER LOST		
18	Tank Overflows	Estimated 0.000	0%
19	Line Breaks	Estimated 14.500	25%
20	Other Loss	21.238	37%
	TOTAL WATER LOST	35.738	62%

	"OTHER LOSS" FLOW RATE CALCULATION:		
21		"Other Loss"	21.238
22		% "Other Loss"	37%
23		Number of Days in Period	30
24		"Other Loss" per Day (1,000's gallons per Day)	0.708
25		"Other Loss" per Minute (GPM)	0.492



Monthly Water Use Report

Water Utility:	Martin County Water District				
For the Month of:	October	Year:	2016		
LINE #	ITEM				GALLONS (Omit 000's) %
1	WATER PRODUCED or PURCHASED				
2	Water Produced				60.697 100%
3	Water Purchased				0 0%
4	TOTAL PRODUCED AND PURCHASED				60.697
WATER SOLD					
5	Residential				16.134 95%
6	Commercial				0.000 0%
7	Industrial				0% 0%
8	Bulk Loading Stations				0% 0%
9	Wholesale				0% 0%
10	Other Sales (explain)	Honey Branch			0.850 5%
11	TOTAL WATER SOLD				16.984 28%
12	TOTAL WATER NOT SOLD				43.713 72%
BREAKDOWN OF UNSOLD WATER USED					
13	Utility and/or Water Treatment Plant				0.468 1%
14	Wastewater Plant				0.000 0%
15	System Flushing		Estimated		3.250 5%
16	Fire Department		Estimated		0.300 0%
17	Other (explain)		Estimated		0% 0%
	TOTAL UNSOLD WATER USED				4.018 7%
BREAKDOWN OF WATER LOST					
18	Tank Overflows				0.000 0%
19	Line Breaks				14.500 24%
20	Other Loss				25.195 42%
	TOTAL WATER LOST				39.695 65%
"OTHER LOSS" FLOW RATE CALCULATION:					
21				"Other Loss"	25.195
22				% "Other Loss"	42%
23				Number of Days in Period	31
24				"Other Loss" per Day (1,000's gallons per Day)	0.813
25				"Other Loss" per Minute (GPM)	0.564

This form approved by: EPPC/DEP/DOW, KY PSC, KRWA

Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **November**

Year: **2016**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	55.721	100%
3	Water Purchased	0	0%
4	TOTAL PRODUCED AND PURCHASED	55.721	
5	WATER SOLD		
5	Residential	14.723	100%
6	Commercial	0	0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain)	Honey Branch	0%
11	TOTAL WATER SOLD	14.723	26%
12	TOTAL WATER NOT SOLD	40.998	74%
13	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.437	1%
14	Wastewater Plant	0.000	0%
15	System Flushing	2.500	4%
16	Fire Department	0.300	1%
17	Other (explain)		0%
	TOTAL UNSOLD WATER USED	3.237	6%
18	BREAKDOWN OF WATER LOST		
18	Tank Overflows	0	0%
19	Line Breaks	Estimated 15.500	28%
20	Other Loss	22.261	40%
	TOTAL WATER LOST	37.761	68%



"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	22.261
22	% "Other Loss"	40%
23	Number of Days in Period	30
24	"Other Loss" per Day (1,000's gallons per Day)	0.742
25	"Other Loss" per Minute (GPM)	0.515



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Monthly Water Use Report

Water Utility:		Martin County Water District					
For the Month of:		December			Year:		2016
LINE #		ITEM				GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED						
2	Water Produced				59.523	100%	
3	Water Purchased				0	0%	
4	TOTAL PRODUCED AND PURCHASED				59.523		
WATER SOLD							
5	Residential				15.399	96%	
6	Commercial				0	0%	
7	Industrial					0%	
8	Bulk Loading Stations					0%	
9	Wholesale					0%	
10	Other Sales (explain) Honey Branch				0.645	4%	
11	TOTAL WATER SOLD				16.044	27%	
12	TOTAL WATER NOT SOLD				43.479	73%	
BREAKDOWN OF UNSOLD WATER USED							
13	Utility and/or Water Treatment Plant				0.464	%	
14	Wastewater Plant					0%	
15	System Flushing				2.500	4%	
16	Fire Department				0.400	1%	
17	Other (explain)				Estimated	0%	
	TOTAL UNSOLD WATER USED				3.364	6%	
BREAKDOWN OF WATER LOST							
18	Tank Overflows				0.000	0%	
19	Line Breaks				Estimated	14.300	
20	Other Loss				25.815	43%	
	TOTAL WATER LOST				40.115	67%	
"OTHER LOSS" FLOW RATE CALCULATION:							
21					"Other Loss"	25.815	
22					% "Other Loss"	43%	
23					Number of Days in Period	31.000	
24					"Other Loss" per Day (1,000's gallons per Day)	0.833	
25					"Other Loss" per Minute (GPM)	0.578	
 							
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Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **January**

Year: **2017**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	62.634	100%
3	Water Purchased		0%
4	TOTAL PRODUCED AND PURCHASED	62.634	

	WATER SOLD		
5	Residential	13.519	91%
6	Commercial	0.000	0%
7	Industrial	0.000	0%
8	Bulk Loading Stations	0.000	0%
9	Wholesale	0.000	0%
10	Other Sales (explain) Honey Branch	1.302	9%
11	TOTAL WATER SOLD	14.821	24%
12	TOTAL WATER NOT SOLD	47.813	76%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.456	1%
14	Wastewater Plant	0.000	0%
15	System Flushing	Estimated 1.700	3%
16	Fire Department	Estimated 0.350	1%
17	Other (explain)		0%
	TOTAL UNSOLD WATER USED	2.506	4%

	BREAKDOWN OF WATER LOST		
18	Tank Overflows	Estimated 0.000	0%
19	Line Breaks	Estimated 6.500	10%
20	Other Loss	38.807	62%
	TOTAL WATER LOST	45.307	72%

"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	38.807
22	% "Other Loss"	62%
23	Number of Days in Period	31
24	"Other Loss" per Day (1,000's gallons per Day)	1.252
25	"Other Loss" per Minute (GPM)	0.869



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Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: February

Year: 2017

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	54.436	100%
3	Water Purchased	0.000	0%
4	TOTAL PRODUCED AND PURCHASED	54.436	

	WATER SOLD		
5	Residential		0%
6	Commercial	15.076	96%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain) Honey Branch	0.637	4%
11	TOTAL WATER SOLD	15.713	29%
12	TOTAL WATER NOT SOLD	38.723	71%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.398	1%
14	Wastewater Plant	0.060	0%
15	System Flushing	1.750	3%
16	Fire Department	0.350	1%
17	Other (explain)		0%
	TOTAL UNSOLD WATER USED	2.558	5%

	BREAKDOWN OF WATER LOST		
18	Tank Overflows	0.000	0%
19	Line Breaks	4.500	8%
20	Other Loss	31.665	58%
	TOTAL WATER LOST	36.165	66%



"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	31.665
22	% "Other Loss"	58%
23	Number of Days in Period	28
24	"Other Loss" per Day (1,000's gallons per Day)	1.131
25	"Other Loss" per Minute (GPM)	0.785



Monthly Water Use Report



Water Utility:	Martin County Water District				
For the Month of:	March	Year:	2017		
LINE #	ITEM				GALLONS (Omit 000's) %
1	WATER PRODUCED or PURCHASED				
2	Water Produced				60.093 100%
3	Water Purchased				0.000 0%
4	TOTAL PRODUCED AND PURCHASED				60.093
WATER SOLD					
5	Residential				14.108 81%
6	Commercial				0% 0%
7	Industrial				0% 0%
8	Bulk Loading Stations				0% 0%
9	Wholesale				0% 0%
10	Other Sales (explain)	Honey Branch			3.263 19%
11	TOTAL WATER SOLD				17.371 29%
12	TOTAL WATER NOT SOLD				42.722 71%
BREAKDOWN OF UNSOLD WATER USED					
13	Utility and/or Water Treatment Plant				0.426 2%
14	Wastewater Plant				0.049 0%
15	System Flushing		Estimated		1.400 8%
16	Fire Department		Estimated		0.250 1%
17	Other (explain)				0% 0%
TOTAL UNSOLD WATER USED					2.125 4%
BREAKDOWN OF WATER LOST					
18	Tank Overflows				0.000 0%
19	Line Breaks		Estimated		6.500 37%
20	Other Loss				34.097 57%
TOTAL WATER LOST					40.597 68%
"OTHER LOSS" FLOW RATE CALCULATION:					
21				"Other Loss"	34.097
22				% "Other Loss"	57%
23				Number of Days in Period	31
24				"Other Loss" per Day (1,000's gallons per Day)	1.100
25				"Other Loss" per Minute (GPM)	0.764

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Monthly Water Use Report

Water Utility:	Martin County Water District							
For the Month of:	April				Year:	2017		
LINE #	ITEM						GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED							
2	Water Produced						57.113	100%
3	Water Purchased						0.000	0%
4	TOTAL PRODUCED AND PURCHASED						57.113	
WATER SOLD								
5	Residential						13.452	79%
6	Commercial						0.000	0%
7	Industrial							0%
8	Bulk Loading Stations							0%
9	Wholesale							0%
10	Other Sales (explain)	Honey Branch					3.623	21%
11	TOTAL WATER SOLD						17.075	30%
12	TOTAL WATER NOT SOLD						40.038	70%
BREAKDOWN OF UNSOLD WATER USED								
13	Utility and/or Water Treatment Plant						0.465	1%
14	Wastewater Plant						0.065	0%
15	System Flushing				Estimated		5.500	10%
16	Fire Department				Estimated		0.450	1%
17	Other (explain)							0%
TOTAL UNSOLD WATER USED							6.480	11%
BREAKDOWN OF WATER LOST								
18	Tank Overflows						0.000	0%
19	Line Breaks				Estimated		6.500	11%
20	Other Loss						27.058	47%
TOTAL WATER LOST							33.558	59%
"OTHER LOSS" FLOW RATE CALCULATION:								
21							"Other Loss"	27.058
22							% "Other Loss"	47%
23							Number of Days in Period	30
24							"Other Loss" per Day (1,000's gallons per Day)	0.902
25							"Other Loss" per Minute (GPM)	0.626

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Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **May**

Year: **2017**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	59.310	100%
3	Water Purchased	0.000	0%
4	TOTAL PRODUCED AND PURCHASED	59.310	
	WATER SOLD		
5	Residential	14.987	100%
6	Commercial	0.000	0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain)	Honey Branch 3.258	22%
11	TOTAL WATER SOLD	14.987	25%
12	TOTAL WATER NOT SOLD	44.323	75%
	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.436	1%
14	Wastewater Plant	0.050	0%
15	System Flushing	Estimated 3.500	6%
16	Fire Department	Estimated 0.465	1%
17	Other (explain)		0%
	TOTAL UNSOLD WATER USED	4.451	8%
	BREAKDOWN OF WATER LOST		
18	Tank Overflows	Estimated 0.000	0%
19	Line Breaks	Estimated 8.500	14%
20	Other Loss	31.372	53%
	TOTAL WATER LOST	39.872	67%
	"OTHER LOSS" FLOW RATE CALCULATION:		
21		"Other Loss" 31.372	
22		% "Other Loss" 53%	
23		Number of Days in Period 31	
24		"Other Loss" per Day (1,000's gallons per Day) 1.012	
25		"Other Loss" per Minute (GPM) 0.703	



Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: June

Year: 2017

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	57.027	100%
3	Water Purchased		0%
4	TOTAL PRODUCED AND PURCHASED	57.027	
	WATER SOLD		
5	Residential	14.987	86%
6	Commercial	0.000	0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain) Honey Branch	2.452	14%
11	TOTAL WATER SOLD	17.439	31%
12	TOTAL WATER NOT SOLD	39.588	69%
	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.590	1%
14	Wastewater Plant Estimated	0.050	0%
15	System Flushing Estimated	5.500	10%
16	Fire Department	0.450	1%
17	Other (explain)		0%
	TOTAL UNSOLD WATER USED	6.590	12%
	BREAKDOWN OF WATER LOST		
18	Tank Overflows Estimated	0.000	0%
19	Line Breaks Estimated	9.500	17%
20	Other Loss	23.498	41%
	TOTAL WATER LOST	32.998	58%
	"OTHER LOSS" FLOW RATE CALCULATION:		
21	"Other Loss"	23.498	
22	% "Other Loss"	41%	
23	Number of Days in Period	30	
24	"Other Loss" per Day (1,000's gallons per Day)	0.783	
25	"Other Loss" per Minute (GPM)	0.544	



Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **July**

Year: **2017**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	58.697	100%
3	Water Purchased	0	0%
4	TOTAL PRODUCED AND PURCHASED	58.697	

	WATER SOLD		
5	Residential	16.011	88%
6	Commercial	0.000	0%
7	Industrial	0.000	0%
8	Bulk Loading Stations	0.000	0%
9	Wholesale	0.000	0%
10	Other Sales (explain) Honey Branch	2.158	12%
11	TOTAL WATER SOLD	18.169	31%
12	TOTAL WATER NOT SOLD	40.528	69%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	1.865	3%
14	Wastewater Plant	0.050	0%
15	System Flushing Estimate	1.600	3%
16	Fire Department Estimate	0.350	1%
17	Other (explain)		0%
	TOTAL UNSOLD WATER USED	3.865	7%

	BREAKDOWN OF WATER LOST		
18	Tank Overflows Estimate	0.000	0%
19	Line Breaks Estimate	2.600	4%
20	Other Loss	34.063	58%
	TOTAL WATER LOST	36.663	62%

"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	34.063
22	% "Other Loss"	58%
23	Number of Days in Period	31
24	"Other Loss" per Day (1,000's gallons per Day)	1.099
25	"Other Loss" per Minute (GPM)	0.763



Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **August**

Year: **2017**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	59.881	0%
3	Water Purchased	0	0%
4	TOTAL PRODUCED AND PURCHASED	59.881	

	WATER SOLD		
5	Residential	14.553	95%
6	Commercial	0.000	0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain) Honey Branch	0.696	5%
11	TOTAL WATER SOLD	15.249	25%
12	TOTAL WATER NOT SOLD	44.632	75%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	1.950	3%
14	Wastewater Plant	Estimated 0.050	0%
15	System Flushing	Estimated 2.500	4%
16	Fire Department	Estimated 0.400	1%
17	Other (explain)		0%
	TOTAL UNSOLD WATER USED	4.900	8%

	BREAKDOWN OF WATER LOST		
18	Tank Overflows	Estimate 0.000	0%
19	Line Breaks	Estimate 2.400	4%
20	Other Loss	37.332	62%
	TOTAL WATER LOST	39.732	66%

"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	37.332
22	% "Other Loss"	62%
23	Number of Days in Period	31
24	"Other Loss" per Day (1,000's gallons per Day)	1.204
25	"Other Loss" per Minute (GPM)	1.440



Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **September**

Year: **2017**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	59.170	100%
3	Water Purchased	0.000	0%
4	TOTAL PRODUCED AND PURCHASED	59.170	

	WATER SOLD		
5	Residential	15.640	91%
6	Commercial	0.000	0%
7	Industrial	0.000	0%
8	Bulk Loading Stations	0.000	0%
9	Wholesale	0.000	0%
10	Other Sales (explain) Honey Branch	1.553	9%
11	TOTAL WATER SOLD	17.193	29%
12	TOTAL WATER NOT SOLD	41.977	71%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	1.854	3%
14	Wastewater Plant	Estimated 0.060	0%
15	System Flushing	Estimated 3.500	6%
16	Fire Department	Estimated 0.350	1%
17	Other (explain)		0%
	TOTAL UNSOLD WATER USED	5.764	10%

	BREAKDOWN OF WATER LOST		
18	Tank Overflows	Estimated 0.000	0%
19	Line Breaks	Estimated 2.500	4%
20	Other Loss	33.713	57%
	TOTAL WATER LOST	36.213	61%

"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	33.713
22	% "Other Loss"	57%
23	Number of Days in Period	30
24	"Other Loss" per Day (1,000's gallons per Day)	1.124
25	"Other Loss" per Minute (GPM)	0.780



Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **October**

Year: **2017**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	58.684	98%
3	Water Purchased	1.298	2%
4	TOTAL PRODUCED AND PURCHASED	59.982	
	WATER SOLD		
5	Residential	15.396	81%
6	Commercial		0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain) Honey Branch Industrial Park	3.678	19%
11	TOTAL WATER SOLD	19.074	32%
12	TOTAL WATER NOT SOLD	40.908	68%
	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.892	1%
14	Wastewater Plant	0.550	1%
15	System Flushing Estimated	4.550	8%
16	Fire Department Estimated	0.350	1%
17	Other (explain)	0	0%
	TOTAL UNSOLD WATER USED	6.342	11%
	BREAKDOWN OF WATER LOST		
18	Tank Overflows	0.250	0%
19	Line Breaks	7.250	12%
20	Other Loss	27.066	45%
	TOTAL WATER LOST	34.566	58%
21	<div style="border: 1px solid black; padding: 5px;"> "OTHER LOSS" FLOW RATE CALCULATION: </div>		
22			
23			
24			
25			
		"Other Loss"	27.066
		% "Other Loss"	45%
		Number of Days in Period	31
		"Other Loss" per Day (1,000's gallons per Day)	0.873
		"Other Loss" per Minute (GPM)	0.606



Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **November**

Year: **2017**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	52.618	100%
3	Water Purchased	0.000	0%
4	TOTAL PRODUCED AND PURCHASED	52.618	

	WATER SOLD		
5	Residential	13.468	95%
6	Commercial		0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain) Honey Branch Industrial Tank	0.751	5%
11	TOTAL WATER SOLD	14.219	27%
12	TOTAL WATER NOT SOLD	38.399	73%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.803	2%
14	Wastewater Plant	0.050	0%
15	System Flushing Estimated	2.500	5%
16	Fire Department Estimated	0.400	1%
17	Other (explain)		0%
	TOTAL UNSOLD WATER USED	3.753	7%

	BREAKDOWN OF WATER LOST		
18	Tank Overflows Estimated	0.175	0%
19	Line Breaks Estimated	8.500	16%
20	Other Loss	25.971	49%
	TOTAL WATER LOST	34.646	66%

"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	25.971
22	% "Other Loss"	49%
23	Number of Days in Period	30
24	"Other Loss" per Day (1,000's gallons per Day)	0.866
25	"Other Loss" per Minute (GPM)	0.601



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Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **December**

Year: **2017**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	55.918	0%
3	Water Purchased	546280	100%
4	TOTAL PRODUCED AND PURCHASED	546335.918	

	WATER SOLD		
5	Residential	14.775	100%
6	Commercial	0.036	0%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain)		0%
11	TOTAL WATER SOLD	14.811	0%
12	TOTAL WATER NOT SOLD	546321.107	100%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.809	0%
14	Wastewater Plant	0.075	0%
15	System Flushing	Estimate 1.500	0%
16	Fire Department	Estimate 0.450	0%
17	Other (explain)		0%
	TOTAL UNSOLD WATER USED	2.834	0%



	BREAKDOWN OF WATER LOST		
18	Tank Overflows	0.000	0%
19	Line Breaks	Estimate 10.500	0%
20	Other Loss	546307.773	100%
	TOTAL WATER LOST	546318.273	100%

	"OTHER LOSS" FLOW RATE CALCULATION:		
21	"Other Loss"	546307.773	
22	% "Other Loss"	100%	
23	Number of Days in Period	31	
24	"Other Loss" per Day (1,000's gallons per Day)	17623	
25	"Other Loss" per Minute (GPM)	12238	



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Annual Water Use Report

Water Utility: Martin County Water District							
Year: 2017 2017							
LINE #	ITEM					GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED						
2	Water Produced					695.581	0%
3	Water Purchased					546281.298	100%
4	TOTAL PRODUCED AND PURCHASED					546976.879	
WATER SOLD							
5	Residential					160.896	81%
6	Commercial					15.112	8%
7	Industrial					0.000	0%
8	Bulk Loading Stations					0.000	0%
9	Wholesale					0.000	0%
10	Other Sales (explain)	Honey Branch				23.371	12%
11	TOTAL WATER SOLD					199.379	0%
12	TOTAL WATER NOT SOLD					546777.500	100%
BREAKDOWN OF UNSOLD WATER USED							
13	Utility and/or Water Treatment Plant					10.944	0%
14	Wastewater Plant	Estimated				1.109	0%
15	System Flushing	Estimated				35.500	0%
16	Fire Department	Estimated				4.615	0%
17	Other (explain)					0.000	0%
TOTAL UNSOLD WATER USED						52.168	0%
BREAKDOWN OF WATER LOST							
18	Tank Overflows	Estimated				0.425	0%
19	Line Breaks	Estimated				75.750	0%
20	Other Loss					546652.415	100%
TOTAL UNSOLD WATER LOST						546728.590	100%
"OTHER LOSS" FLOW RATE CALCULATION:							
21	"Other Loss"					546652.415	
22	% "Other Loss"					100%	
23	Number of Days in Period					365	
24	"Other Loss" per Day (1,000's gallons per Day)					1497.678	
25	"Other Loss" per Minute (GPM)					1040.054	
 							

Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **January** Year: **2018**

LINE #	ITEM	GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	58.950	0%
3	Water Purchased KERMIT MOUNTAIN P-BURG	1680	3%
4	TOTAL PRODUCED AND PURCHASED	60630	

	WATER SOLD		
5	Residential	16729	79%
6	Commercial	2750	13%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain) Honey Branch Industrial Park	1750	8%
11	TOTAL WATER SOLD	21229.000	35%
12	TOTAL WATER NOT SOLD	39401.000	65%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	0.553	0%
14	Wastewater Plant	0.050	0%
15	System Flushing Estimated	4.500	0%
16	Fire Department Estimated	0.350	0%
17	Other (explain) Estimated	0.000	0%
	TOTAL UNSOLD WATER USED	5.453	0%

	BREAKDOWN OF WATER LOST		
18	Tank Overflows	0.000	0%
19	Line Breaks	7692	13%
20	Other Loss	39685	65%
	TOTAL WATER LOST	47377.000	78%

"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	39685.000
22	% "Other Loss"	65%
23	Number of Days in Period	31
24	"Other Loss" per Day (1,000's gallons per Day)	1280.161
25	"Other Loss" per Minute (GPM)	889.001



This form approved by: EPPC/DEP/DOW, KY PSC, KRWA

Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **February**

Year: **2018**

LINE #	ITEM					GALLONS (Omit 000's)	%
1	WATER PRODUCED or PURCHASED						
2	Water Produced					54.086	0%
3	Water Purchased	KW	MW	P-burg		4219500	7%
4	TOTAL PRODUCED AND PURCHASED						58305500

	WATER SOLD						
5	Residential					10909.000	82%
6	Commercial					2392000	17984%
7	Industrial						0%
8	Bulk Loading Stations						0%
9	Wholesale						0%
10	Other Sales (explain)	Honey Branch				3.150	0%
11	TOTAL WATER SOLD					13301	0%
12	TOTAL WATER NOT SOLD					45004500	77%

BREAKDOWN OF UNSOLD WATER USED							
13	Utility and/or Water Treatment Plant					500000	1%
14	Wastewater Plant					0.055	0%
15	System Flushing				Estimated	213863	0%
16	Fire Department				Estimated	39903	0%
17	Other (explain)				Estimated		0%
TOTAL UNSOLD WATER USED						753766.055	1%

BREAKDOWN OF WATER LOST							
18	Tank Overflows					0.000	0%
19	Line Breaks				Estimated	5732124	10%
20	Other Loss	\			Estimated	38518610	66%
TOTAL WATER LOST						44250733.945	76%

"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	38518609.945
22	% "Other Loss"	66%
23	Number of Days in Period	29
24	"Other Loss" per Day (1,000's gallons per Day)	1328227.929
25	"Other Loss" per Minute (GPM)	922380.506



Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: **March**

Year: **2018**

LINE #	ITEM	GALLONS (Omit 000's)	%
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1	WATER PRODUCED or PURCHASED		
2	Water Produced	57,913,000	98%
3	Water Purchased	1,152,000	2%
4	TOTAL PRODUCED AND PURCHASED	59,065,000	

WATER SOLD			
5	Residential	9,874,000	71%
6	Commercial	2,373,000	17%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain) Honey Branch Industrial Park	1,622,100	12%
11	TOTAL WATER SOLD	13,869,100	23.5%
12	TOTAL WATER NOT SOLD	45,195,900	76.5%

BREAKDOWN OF UNSOLD WATER USED			
13	Utility and/or Water Treatment Plant	500,000	0.85%
14	Wastewater Plant	0	0%
15	System Flushing Estimated	261,388	0%
16	Fire Department Estimated	36,741	0%
17	Other (explain) Estimated	0	0%
	TOTAL UNSOLD WATER USED	798,129	1.4%

BREAKDOWN OF WATER LOST			
18	Tank Overflows	0	0%
19	Line Breaks Estimated	4,021,856	7%
20	Other Loss line leaks Estimated	40,375,915	68%
	TOTAL WATER LOST	44,397,771	75.2%

"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	40375915
22	% "Other Loss"	68%
23	Number of Days in Period	31
24	"Other Loss" per Day (1,000's gallons per Day)	1302448.871
25	"Other Loss" per Minute (GPM)	904478.383



Monthly Water Use Report

Water Utility: **Martin County Water District**

For the Month of: April

Year: 2018

LINE #	ITEM	GALLONS	%
1	WATER PRODUCED or PURCHASED		
2	Water Produced	52,875,000	100%
3	Water Purchased		0%
4	TOTAL PRODUCED AND PURCHASED	52,875,000	

	WATER SOLD		
5	Residential	9,777,000	68%
6	Commercial	2,470,000	17%
7	Industrial		0%
8	Bulk Loading Stations		0%
9	Wholesale		0%
10	Other Sales (explain)	Honey Branch Industrial Park	2,117,000 15%
11	TOTAL WATER SOLD	14,364,000	27.2%
12	TOTAL WATER NOT SOLD	38,511,000	72.8%

	BREAKDOWN OF UNSOLD WATER USED		
13	Utility and/or Water Treatment Plant	1,024,000	1.94%
14	Wastewater Plant	29000	0%
15	System Flushing	Estimated 0	0%
16	Fire Department	Estimated 0	0%
17	Other (explain)	Estimated 0	0%
	TOTAL UNSOLD WATER USED	1,053,000	2.0%

	BREAKDOWN OF WATER LOST		
18	Tank Overflows	0	0%
19	Line Breaks	Estimated 1,075,000	2%
20	Other Loss	line leaks Estimated 37,436,000	71%
	TOTAL WATER LOST	38,511,000	72.8%

"OTHER LOSS" FLOW RATE CALCULATION:

21	"Other Loss"	37436000
22	% "Other Loss"	71%
23	Number of Days in Period	31
24	"Other Loss" per Day (1,000's gallons per Day)	1207612.903
25	"Other Loss" per Minute (GPM)	838620.072



EXHIBIT

#2

MARTIN COUNTY UTILITY BOARD

387 East Main Street Suite 140
INEZ, KY 41224

606-298-3885 OFFICE

606-298-4913 Fax

May 14, 2018

Turner Campbell
Superintendent/CEO
Prestonsburg City's Utilities Commission
2560 South Lake Drive
Prestonsburg, KY 41653

Re: Martin County Water District/Prestonsburg Joint Operation Agreement
Termination of Emergency Water Supply

Dear Mr. Campbell:

Thank you for your letter dated April, 24, 2018. We appreciate the emergency water service provided to the District during our time of emergency from December 2017 to March 2018. Without this supply, our water outages would have been more extensive than actually experienced during this winter emergency.

We regret that appreciation was not expressed to your satisfaction. We do acknowledge the District owes Prestonsburg for the water supplied during the emergency period and it is our intention to pay you as soon as possible. As you are aware, the District is making every effort to pay its creditors and at present, we are attempting to obtain a loan, funded by the recently approved surcharge by the Kentucky PSC, to pay our creditors.

The District has reviewed the proposed Honey Branch Tank Lease provided with your letter of March 6, 2018. The proposed Lease contains a provision that was not negotiated at the meeting held February 28, 2018 at the office of the Kentucky PSC in Frankfort. The Lease includes a provision in Section 14 that terminates the Joint Operating Agreement and the Amendment to the Joint Operating Agreement. This provision will eliminate the ability of the District to receive any future revenue from Prestonsburg for water sold to the Prison. There was no discussion of termination of the Joint Operation Agreement at the February 28, 2018 meeting in Frankfort, and the District understood a short term, three year lease was agreeable, allowing the District to stabilize its operations and begin supplying 50 percent of the water to the Prison and sharing in the Prison water revenue. With the Prison using a monthly average of 8,500 gallons a month, the District's share of the revenue would be approximately \$34,000 at \$7.95 per 1,000 gallons. It would not be fiscally responsible for the District to forgo the much needed revenue and walk away from the Joint Operating Agreement.

After many months of frustration and multiple efforts at negotiating a fair lease agreement, we can only conclude that Prestonsburg has no intention of assisting the District on a short term basis with a lease agreement that retains the original sharing of the benefits of the Federal Prison located Martin County. It is unfortunate that the two parties are not able to reach an agreement and that you will be terminating emergency water service to the District on May 30, 2018.

As an alternative to the lease, the District has reconsidered your request to purchase the Honey Branch Tank. We have evaluated the operations of the Honey Branch pressure zone, from the District's Devella Pump Station to the Airport Industrial Park. This pressure zone is on the fringe of our system, and selling only the tank will continue to compromise operations between the District and Prestonsburg. After careful evaluation, it appears a sale of the Honey Branch Tank, the water mains and the customers (current and future) in this pressure zone is more practical and will end the long standing dispute between the District and Prestonsburg. To this end, the District has evaluated the value of the revenue stream of the customers served by the Honey Branch pressure zone (including the Prison), the value of the assets and the remaining loan balance. The District's Board has agreed to sell these assets and customers to Prestonsburg for \$5,000,000. If you agree, we can proceed with drafting a purchase agreement.

In closing, we regret a lease agreement was not reached for the benefit of our respective customers. In light of your termination notice, we feel a sale of the Honey Branch system assets are the next best alternative to maintaining a reliable supply to the Prison and providing service to Martin County Water District customers. We look forward to your response to our offer to sell these assets and customers.

Sincerely,

A handwritten signature in black ink, appearing to read "John Horn", written in a cursive style.

John Horn
Chair, Martin County Water District

Cc: Judge Executive Kelly Callahan
Martin County Water District Board
Kentucky Public Service Commission

EXHIBIT

#3

	Water In		Davella		Davella	Total	The		
	Airport		Meter		Usage	Pumped	Difference		
	Meter								
3/1/2018	53,331,000	5,198,600	9,740,000	6,909,710	15,000	9,760	-5,240		
3/2/2018	53,452,000	5,208,840	9,740,000	6,918,570	8,860	131,240	122,380		
3/3/2018	53,620,000	5,223,040	9,740,000	6,926,280	7,710	182,200	174,490		
3/4/2018	53,701,000	5,230,450	9,741,000	6,935,350	10,070	88,410	78,340		
3/5/2018	53,776,000	5,237,250	9,740,000	6,947,100	10,750	81,800	71,050		
3/6/2018	53,778,000	5,246,610	9,740,000	6,957,800	10,700	11,360	660		
3/7/2018	53,976,000	5,254,750	9,740,000	6,968,540	10,740	206,140	195,400		
3/8/2018	54,013,000	5,257,900	9,740,000	6,982,000	13,460	40,150	26,690		
3/9/2018	54,081,000	5,263,920	9,740,000	6,993,560	11,560	74,020	62,460		
3/10/2018	54,144,000	5,269,020	9,740,000	7,007,060	13,500	68,100	54,600		
3/11/2018	54,301,000	5,281,820	9,740,000	7,015,410	8,350	169,800	161,450		
12/2018	54,344,000	5,285,450	9,740,000	7,026,980	11,570	46,630	35,060		
3/13/2018	54,450,000	5,294,260	9,740,000	7,039,500	12,520	114,810	102,290		
3/14/2018	54,523,000	5,301,500	9,740,000	7,054,460	14,960	80,240	65,280		
3/15/2018	54,523,000	5,301,700	9,740,000	7,068,620	14,160	200	-13,960		
3/16/2018	54,584,000	5,307,080	9,740,000	7,083,690	15,070	66,380	51,310		
3/17/2018	54,666,000	5,314,140	9,740,000	7,092,810	9,120	89,060	79,940		
3/18/2018	54,710,000	5,317,980	9,740,000	7,104,030	11,220	47,840	36,620		
3/19/2018	54,766,000	5,322,790	9,740,000	7,118,980	14,950	60,810	45,860		
3/20/2018	54,766,000	5,322,800	9,740,000	7,134,610	15,630	10	-15,620		
3/21/2018	54,815,000	5,326,910	9,757,000	7,143,670	26,060	53,110	27,050		
3/22/2018	54,816,000	5,326,910	9,783,000	7,154,050	36,380	1,000	-35,380		
3/23/2018	54,815,000	5,326,910	10,125,000	7,188,210	376,160	-1,000	-377,160		
3/24/2018	54,815,000	5,326,920	10,316,000	7,210,800	213,590	10	-213,580		
3/25/2018	54,815,000	5,326,940	10,323,000	7,226,410	22,610	20	-22,590		
3/26/2018	54,815,000	5,326,940	10,433,000	7,252,770	136,360	0	-136,360		
3/27/2018	54,815,000	5,326,970	10,433,000	7,271,030	18,260	30	-18,230		
28/2018	54,815,000	5,326,970	10,433,000	7,285,400	14,370	0	-14,370		
3/29/2018	54,815,000	5,326,980	10,443,300	7,300,610	25,510	10	-25,500		
3/30/2018	54,815,000	5,327,000	10,433,000	7,315,830	4,920	20	-4,900		
3/31/2018	54,815,000	5,327,000	10,433,000	7,334,700	18,870	0	-18,870		
4/1/2018	54,815,000	5,327,020	10,433,000	7,353,770	19,070	20	-19,050		
4/2/2018	54,815,000	5,327,020	10,433,000	7,374,200	20,430	0	-20,430		
4/3/2018	54,815,000	5,327,030	10,433,000	7,397,210	23,010	10	-23,000		
4/4/2018	54,815,000	5,327,040	10,433,000	7,421,910	24,700	10	-24,690		
4/5/2018	54,815,000	5,327,050	10,433,000	7,454,190	32,280	10	-32,270		
4/6/2018	54,815,000	5,327,050	10,434,000	7,493,860	40,670	0	-40,670		
								Total	Difference
								Pumped	Davella
								1,622,180	470,120 1,152,060

4/7/2018	54,815,000	5,327,050	10,437,000	7,542,190	51,330	0	-51,330			
4/8/2018	54,815,000	5,327,060	10,444,000	7,585,030	49,840	10	-49,830			
4/9/2018	54,815,000	5,327,060	10,455,000	7,626,270	52,240	0	-52,240			
4/10/2018	54,815,000	5,327,070	10,474,000	7,673,660	66,390	10	-66,380			
4/11/2018	54,815,000	5,327,070	10,500,000	7,719,760	72,100	0	-72,100			
4/12/2018	54,815,000	5,327,070	10,540,000	7,766,540	86,780	0	-86,780			
4/13/2018	54,815,000	5,327,080	10,601,000	7,815,070	109,530	10	-109,520			
4/14/2018	54,815,000	5,327,100	10,610,000	7,832,900	26,830	20	-26,810			
4/15/2018	54,815,000	5,327,100	10,610,000	7,842,800	9,900	0	-9,900			
4/16/2018	54,815,000	5,327,100	10,610,000	7,850,610	7,810	0	-7,810			
4/17/2018	54,907,000	5,334,970	10,610,000	7,857,300	6,690	99,870	93,180			
18/2018	54,980,000	5,341,500	10,610,000	7,864,200	6,900	79,530	72,630			
19/2018	55,152,000	5,355,680	10,610,000	7,868,480	4,280	186,180	181,900			
4/20/2018	55,271,000	5,365,200	10,610,000	7,875,480	7,000	128,520	121,520			
4/21/2018	55,501,000	5,384,940	10,610,000	7,879,020	3,540	249,740	246,200			
4/22/2018	55,508,000	5,385,620	10,610,000	7,888,960	9,940	7,680	-2,260			
4/23/2018	55,508,000	5,385,630	10,610,000	7,896,070	7,110	10	-7,100			
4/24/2018	55,758,000	5,406,280	10,610,000	7,898,660	2,590	270,650	268,060			
4/25/2018	55,884,000	5,417,100	10,610,000	7,903,630	4,970	136,820	131,850			
4/26/2018	56,023,000	5,429,140	10,610,000	7,908,850	5,220	151,040	145,820			
4/27/2018	56,045,000	5,431,020	10,610,000	7,917,350	8,500	23,880	15,380			
4/28/2018	56,256,000	5,449,110	10,610,000	7,921,340	3,990	229,090	225,100			
4/29/2018	56,477,000	5,469,200	10,610,000	7,922,630	1,290	241,090	239,800			
4/30/2018	56,631,000	5,482,760	10,610,000	7,933,510	10,880	167,560	156,680			
5/1/2018	56,765,000	5,494,030	10,611,000	7,941,200	8,690	145,270	136,580	2,117,030	1,332,530	784,500

4/7/2018	54,815,000	5,327,050	10,437,000	7,542,190	51,330	0	-51,330			
4/8/2018	54,815,000	5,327,060	10,444,000	7,585,030	49,840	10	-49,830			
4/9/2018	54,815,000	5,327,060	10,455,000	7,626,270	52,240	0	-52,240			
4/10/2018	54,815,000	5,327,070	10,474,000	7,673,660	66,390	10	-66,380			
4/11/2018	54,815,000	5,327,070	10,500,000	7,719,760	72,100	0	-72,100			
4/12/2018	54,815,000	5,327,070	10,540,000	7,766,540	86,780	0	-86,780			
4/13/2018	54,815,000	5,327,080	10,601,000	7,815,070	109,530	10	-109,520			
4/14/2018	54,815,000	5,327,100	10,610,000	7,832,900	26,830	20	-26,810			
4/15/2018	54,815,000	5,327,100	10,610,000	7,842,800	9,900	0	-9,900			
4/16/2018	54,815,000	5,327,100	10,610,000	7,850,610	7,810	0	-7,810			
4/17/2018	54,907,000	5,334,970	10,610,000	7,857,300	6,690	99,870	93,180			
4/18/2018	54,980,000	5,341,500	10,610,000	7,864,200	6,900	79,530	72,630			
4/19/2018	55,152,000	5,355,680	10,610,000	7,868,480	4,280	186,180	181,900			
4/20/2018	55,271,000	5,365,200	10,610,000	7,875,480	7,000	128,520	121,520			
4/21/2018	55,501,000	5,384,940	10,610,000	7,879,020	3,540	249,740	246,200			
4/22/2018	55,508,000	5,385,620	10,610,000	7,888,960	9,940	7,680	-2,260			
4/23/2018	55,508,000	5,385,630	10,610,000	7,896,070	7,110	10	-7,100			
4/24/2018	55,758,000	5,406,280	10,610,000	7,898,660	2,590	270,650	268,060			
4/25/2018	55,884,000	5,417,100	10,610,000	7,903,630	4,970	136,820	131,850			
4/26/2018	56,023,000	5,429,140	10,610,000	7,908,850	5,220	151,040	145,820			
4/27/2018	56,045,000	5,431,020	10,610,000	7,917,350	8,500	23,880	15,380			
4/28/2018	56,256,000	5,449,110	10,610,000	7,921,340	3,990	229,090	225,100			
4/29/2018	56,477,000	5,469,200	10,610,000	7,922,630	1,290	241,090	239,800			
4/30/2018	56,631,000	5,482,760	10,610,000	7,933,510	10,880	167,560	156,680			
5/1/2018	56,765,000	5,494,030	10,611,000	7,941,200	8,690	145,270	136,580	2,117,030	1,332,530	784,500

Water In
Airport
Meter

Davella
Meter

Davella
Usage

Total
Pumped

The
Difference

3/1/2018	53,331,000	5,198,600	9,740,000	6,909,710	15,000	9,760	-5,240
3/2/2018	53,452,000	5,208,840	9,740,000	6,918,570	8,860	131,240	122,380
3/3/2018	53,620,000	5,223,040	9,740,000	6,926,280	7,710	182,200	174,490
3/4/2018	53,701,000	5,230,450	9,741,000	6,935,350	10,070	88,410	78,340
3/5/2018	53,776,000	5,237,250	9,740,000	6,947,100	10,750	81,800	71,050
3/6/2018	53,778,000	5,246,610	9,740,000	6,957,800	10,700	11,360	660
3/7/2018	53,976,000	5,254,750	9,740,000	6,968,540	10,740	206,140	195,400
3/8/2018	54,013,000	5,257,900	9,740,000	6,982,000	13,460	40,150	26,690
3/9/2018	54,081,000	5,263,920	9,740,000	6,993,560	11,560	74,020	62,460
3/10/2018	54,144,000	5,269,020	9,740,000	7,007,060	13,500	68,100	54,600
3/11/2018	54,301,000	5,281,820	9,740,000	7,015,410	8,350	169,800	161,450
12/2018	54,344,000	5,285,450	9,740,000	7,026,980	11,570	46,630	35,060
3/13/2018	54,450,000	5,294,260	9,740,000	7,039,500	12,520	114,810	102,290
3/14/2018	54,523,000	5,301,500	9,740,000	7,054,460	14,960	80,240	65,280
3/15/2018	54,523,000	5,301,700	9,740,000	7,068,620	14,160	200	-13,960
3/16/2018	54,584,000	5,307,080	9,740,000	7,083,690	15,070	66,380	51,310
3/17/2018	54,666,000	5,314,140	9,740,000	7,092,810	9,120	89,060	79,940
3/18/2018	54,710,000	5,317,980	9,740,000	7,104,030	11,220	47,840	36,620
3/19/2018	54,766,000	5,322,790	9,740,000	7,118,980	14,950	60,810	45,860
3/20/2018	54,766,000	5,322,800	9,740,000	7,134,610	15,630	10	-15,620
3/21/2018	54,815,000	5,326,910	9,757,000	7,143,670	26,060	53,110	27,050
3/22/2018	54,816,000	5,326,910	9,783,000	7,154,050	36,380	1,000	-35,380
3/23/2018	54,815,000	5,326,910	10,125,000	7,188,210	376,160	-1,000	-377,160
3/24/2018	54,815,000	5,326,920	10,316,000	7,210,800	213,590	10	-213,580
3/25/2018	54,815,000	5,326,940	10,323,000	7,226,410	22,610	20	-22,590
3/26/2018	54,815,000	5,326,940	10,433,000	7,252,770	136,360	0	-136,360
3/27/2018	54,815,000	5,326,970	10,433,000	7,271,030	18,260	30	-18,230
28/2018	54,815,000	5,326,970	10,433,000	7,285,400	14,370	0	-14,370
3/29/2018	54,815,000	5,326,980	10,443,300	7,300,610	25,510	10	-25,500
3/30/2018	54,815,000	5,327,000	10,433,000	7,315,830	4,920	20	-4,900
3/31/2018	54,815,000	5,327,000	10,433,000	7,334,700	18,870	0	-18,870
4/1/2018	54,815,000	5,327,020	10,433,000	7,353,770	19,070	20	-19,050
4/2/2018	54,815,000	5,327,020	10,433,000	7,374,200	20,430	0	-20,430
4/3/2018	54,815,000	5,327,030	10,433,000	7,397,210	23,010	10	-23,000
4/4/2018	54,815,000	5,327,040	10,433,000	7,421,910	24,700	10	-24,690
4/5/2018	54,815,000	5,327,050	10,433,000	7,454,190	32,280	10	-32,270
4/6/2018	54,815,000	5,327,050	10,434,000	7,493,860	40,670	0	-40,670

Total
Pumped
1,622,180

Difference
Davella
470,120 1,152,060

EXHIBIT #4



Drinking Water Project Profile

Legal Applicant:	Martin County Water District	Submitted By:	BSADD
Project Title:	Water Treatment Plant Clarifier Rehab	Primary County:	Martin
Project Number:	WX21159007 View Map	Planning Unit:	Martin
Funding Status:	Not Funded	Multi-County:	No
Project Status:	Approved	ECH Status:	
Project Schedule:	0-2 Years	ADD WMC Contact:	Jamie Pinson
E-Clearinghouse SAI:			
Applicant Entity Type:	Water District (KRS 74)		
Date Approved (AWMPC):	06-27-2017		

Project Description:

This project will rehab the existing clarifier unit (No. 1) at the water treatment plant. The clarifier unit was constructed in the late 1960; renovated in the late 1980 and is in need of rehabilitation again.

The clarifier unit is a combination upflow clarifier and settling basin with peripheral filters. The unit has a treatment capacity of 0.7 to 1.0 MGD (depending on raw water turbidity). The unit is in the need of having the metal support bridge repainted; the clarifier rake mechanism is in the need of repair with damaged or broken supports replaced and structurally reinforced; the motor gear box and drive unit needs to be replaced. The filter underdrain is the original underdrain system with ceramic spheres, which several are missing or have worn down. Several underdrain hoppers are in poor or failing condition causing the filter media to fall into the filter chase.

Additional work will be done to relocate the filter effluent, filter drain, filter-to-waste, and effluent valves to a new valve vault similar to the existing two units that was constructed in 2010. Tube settlers will be installed in this unit similar to the two existing units. The portions or parts of the clarifier that will be rehabilitated or replaced: The metal support bridge repainted, clarifier rake mechanism replaced, motor gear box and drive unit replaced. The filter underdrains will be replaced. This project will impact the finished water by improving filtration by reducing the filtration. This will not impact potential DBP formation at the water plant. This project will address the CT and/or cryptosporidium issues.

This project will also replace remainder of district's water meters to radio read meters, residential and commercial.

Need for Project:

Briefly describe how this project promotes public health or achieves and/or maintains compliance with the Clean Water Act or Safe Drinking Water Act:

The rehabilitation of this unit will allow the WTP to remove from service any of the three treatment units for repairs, cleaning, maintenance, or back washing of the filters without reducing the overall treatment plant capacity of 2.4 MGD.

Project Alternatives:

Alternate A:

Construct a new clarifier.

Alternate B:

Legal Applicant:

Entity Type: **Water District (KRS 74)**

PSC Group ID: **25000**

Entity Name: **Martin County Water District**

Web URL:

Office EMail: greg_scott818@yahoo.com

Office Phone: **606-298-3885**

Toll Free:

Fax: **606-298-4913**

Mail Address Line 1: **387 E Main St**

Phys Address Line 1: **387 E Main St**

Mail Address Line 2:

Phys Address Line 2:

Mail City, State Zip: **Inez, KY 41224**

Phys City, State Zip: **Inez, KY 41224**

Contact: **Greg Scott**

Financial Contact:

Auth Official: **Kelly Calaham**

Contact Title: **Interim General Manager**

Financial Contact Title:

Auth Official Title: **Judge Executive**

Contact EMail: greg_scott818@yahoo.com

Financial Contact EMail:

kcallaham@suddenlinkmail.com

Auth Official EMail: **com**

Contact Phone: **606-298-3885**

Financial Contact Phone:

Auth Official Phone: **606-298-2800**

Data Source: [Kentucky Infrastructure Authority](#)

Date Last Modified: 04.10.2018



Drinking Water Project Profile

WX21159007 - Martin County Water District
Water Treatment Plant Clarifier Rehab

Project Administrator (PA) Information

Name: **Holly L Nicholas**
Title: **Project Administrator**
Organization: **Kentucky Engineering Group, PLLC**
Address Line 1: **PO Box 1034**
Address Line 2:
City: **Versailles** State: **KY** Zip: **40383**
Phone: **859-333-9742** Fax: **859-251-4137**

Applicant Contact (AC) Information

Name: **John Mills**
Title: **General Manager**
Organization: **Martin County Water District**
Address Line 1: **Hc 69 Box 875**
Address Line 2:
City: **Inez** State: **KY** Zip: **41224**
Phone: **606-298-3885** Fax:

Estimated Budget

Project Cost Categories:

Cost Category	Cost
Administrative Expenses:	\$ 39,875
Legal Expenses:	\$ 5,000
Land, Appraisals, Easements:	
Relocation Expenses & Repayments:	
Planning:	\$ 25,000
Engineering Fees - Design:	\$ 141,158
Engineering Fees - Construction:	
Engineering Fees - Inspection:	\$ 89,320
Engineering Fees - Other:	
Construction:	\$ 2,095,000
Equipment:	
Miscellaneous:	\$ 3,500
Contingencies:	\$ 159,500
Total Project Cost:	\$ 2,558,353

Construction Cost Categories:

Cost Category	Cost
Treatment:	\$ 1,295,000
Transmission & Distribution:	
Source:	
Storage:	
Purchase of Systems:	
Restructuring:	
Land Acquisition:	
Non-Categorized:	\$ 800,000
Total Construction Cost:	\$ 2,095,000

Total Sustainable Infrastructure Costs:

Note: Total Sustainability Infrastructure Costs are included within construction and other costs reported in this section. This breakout is provided for SRF review purposes.

Project Funding Sources:

Total Project Cost: **\$2,558,353**
Total Committed Funding: **\$0**
Funding Gap: **\$2,558,353 (Not Funded)**

☒ This project will be requesting SRF funding for fiscal year 2019.

Estimated Project Schedule:

Est. Environmental Review Submittal Date: **02-01-2017**
Estimated Bid Date: **01-01-2018**
Estimated Construction Start Date: **04-01-2018**
Estimated Construction Completion Date: **01-01-2019**

Funding Source	Loan or Grant ID	Fiscal Year	Amount	Status	Applicable Date
KIA SRF Fund F Loan (DW)		2017	\$1,011,600	Ranked	6/21/2016
KIA SRF Fund F Loan (DW)		2018	\$2,058,353	Ranked	5/19/2017
KIA SRF Fund F Loan (DW)	F19-014	2019	\$2,558,353	Ranked	4/11/2018
Total Committed					

Funding Source Notes:



Drinking Water Project Profile

WX21159007 - Martin County Water District
Water Treatment Plant Clarifier Rehab

The following systems are beneficiaries of this project:

✓ **KY0800273 Martin County Water District**

Note: Check mark indicates primary system for this project.

Project Ranking by AWMPC:

Regional Ranking(s):

Planning Unit Ranking:

Total Points:

- ☐ Plans and specs have been sent to DOW.
☐ Plans and specs have been reviewed by DOW.
☐ Plans and specs have been sent to PSC.
☐ Plans and specs have been reviewed by PSC.

Economic, Demographic and Geographic Impacts

Economic Impacts	
Jobs Created:	
Jobs Retained:	

*Demographic Impacts (GIS Census Overlay)			
Serviceable Demographic	Project Area	Included Systems	Included Utilities
Population:		12,186	12,181
Households:		5,098	5,098
MHI:		\$29,025	*\$29,025
MHI MOE		\$8,282	*\$8,282
MOE as Pct:		29.0%	29.0%
**NSRL:		2	2

Population and household counts are based on 2010 census block values from the SF1 (100%) dataset.

MHI Source is from the American Community Survey 2012-2016 5Yr Estimates (Table B19013) *(for the primary system operated by the above listed beneficiary utilities).

MHI MOE = Med HH Income Margin of Error.

** NSRL (Non-Standard Rate Levels):

0 = Income above Kentucky MHI (KMHI).

1 = Income between 80% KMHI and KMHI.

2 = Income less than or equal to 80% KMHI.

- KMHI = \$44,811

- 80% KMHI = \$35,849

New Customers	
New Residential Customers:	
New Commercial Customers:	
New Institutional Customers:	
New Industrial Customers:	

New or Improved Service		
Service Demographic	Survey Based	Census Overlay*
To Unserved Households:		
To Underserved Households:	3,335	
To Total Households:	3,335	
** Cost Per Household:	\$767	

* GIS Census block overlay figures are estimates of population and households potentially served by systems and projects based on a proximity analysis of relevant service lines to census block boundaries.

** Cost per household is based on surveyed household counts, not GIS overlay values.

Geographic Impacts For Project Area	
Counties	
Martin	
Legislative Districts	
District Name	Legislator
House 093	Chris Harris
Senate 31	Ray S. Jones II
Congressional 5	Hal Rogers
Groundwater Sensitivity Zones	
HUC 10 Watersheds	
HUC Code	Watershed Name
0507020106	Rockcastle Creek-Tug Fork

Geographic Impacts For Included System(s)	
Counties	
Johnson	
Lawrence	
Martin	
Legislative Districts	
District Name	Legislator
House 093	Chris Harris
House 096	Jill York
House 097	Scott Wells
Senate 30	Brandon Smith
Senate 31	Ray S. Jones II
Congressional 5	Hal Rogers



Drinking Water Project Profile

WX21159007 - Martin County Water District
Water Treatment Plant Clarifier Rehab

DW Specific Impacts:

- ☒ This project relates to a public health emergency.
- ☐ This project will assist a non-compliant system to achieve compliance.
- ☐ This project will assist a compliant system to meet future requirements
- ☒ This project will provide assistance not compliance related.
- ☒ This project is necessary to achieve full or partial compliance with a court order, agreed order, or a judicial or administrative consent decree.
- ☐ Primary system has not received any SDWA Notices of Violation within the previous state fiscal year-July through June, i.e. July 2014 – June 2015).

Project Inventory (Mapped Features):

Mapped Point Features							
DOW Permit ID	Count	FeatureType	Purpose	Status	Existing Capacity	Proposed Capacity	Units
KY0800273	1	WATER TREATMENT PLANT	CLARIFIER	REHAB	2.00		MGD

Administrative Components:

- ☐ Planning
- ☒ Design
- ☒ Construction
- ☐ Management

Regionalization Components:

Public Water Systems Eliminated:

- ☐ this project includes the elimination of public water system(s) through merger or acquisition.

Water Treatment Plants Eliminated:

- ☐ This project includes the elimination of water treatment plant(s) through interconnect(s).

Supplementation of Raw Water Supply:

- ☐ This project includes supplementing the existing raw water supply.

Supplementation of Potable Water Supply:

- ☐ This project includes supplementing the existing potable water supply.

Emergency Only Water Supply:

- ☐ This project provides emergency only water supply.

Water Source Protection:

- ☐ This project includes land acquisition for water source protection.



Drinking Water Project Profile

WX21159007 - Martin County Water District
Water Treatment Plant Clarifier Rehab

Water Treatment Components:

- ☒ This project includes water treatment components

Treatment Activities:

- ☐ This project includes a new water treatment plant.
Proposed design capacity (MGD): **0.000**
- ☐ This project includes an expansion of an existing water treatment plant.
Current design capacity (MGD): **0.000**
Proposed design capacity (MGD): **0.000**
- ☒ This project includes rehabilitation of an existing water treatment plant.
- ☐ This project includes upgrades to an existing water treatment plant.
- ☐ This project includes emergency power generators for treatment activities.
Number of units provided: **0**
- ☐ This project includes redundant treatment processes.

Acute Public Health Risk:

- ☐ This project includes infrastructure options to meet Cryptosporidium removal/inactivation requirements.
- ☐ This project includes infrastructure options to meet CT inactivation requirements.

Chronic Public Health Risk:

- ☐ This project includes treatment modifications to meet the Disinfectants/Disinfection Byproducts Rule at the water treatment plant.
- ☐ This project will provide treatment modifications for VOCs, IOC, SOC, or Radionuclides.

Secondary Contaminants:

- ☐ This project includes treatment modifications to address Secondary Contaminants.

Security:

- ☐ This project includes security components for water treatment facilities.

Water Distribution and Storage:

- ☐ This project includes water distribution and/or storage components.

Water Line Extensions:

- ☐ This project includes water line extension(s).

Redundancy Components:

- ☐ This project includes emergency power generators for distribution and/or storage activities.
- ☐ This project includes redundant distribution and/or storage processes.



Drinking Water Project Profile

WX21159007 - Martin County Water District
Water Treatment Plant Clarifier Rehab

Finished Water Quality:

- ☐ This project includes infrastructure to address inadequate water turnover and disinfection byproducts (DBPs).
- ☐ This project includes infrastructure to address inability to maintain disinfection residual.

Water Line Replacement:

- ☐ This project replaces problem water lines (breaks, leaks, or restrictive flows due to age), water lines consisting of lead and/or asbestos-cement (AC), and/or inadequately sized water lines.

Water Storage and Pressure Components:

- ☐ This project includes the construction of new water tank(s).
- ☐ This project includes the replacement of existing water tank(s).
- ☐ This project includes the rehabilitation of existing water tank(s).
- ☐ This project includes the construction of new pump station(s).
- ☐ This project includes the rehabilitation of existing pump station(s).

Security:

- ☐ This project includes security components for water distribution infrastructure.

Sustainable Infrastructure - Green Infrastructure:

Green stormwater infrastructure includes a wide array of practices at multiple scales that manage wet weather and that maintains and restores natural hydrology by infiltrating, evapotranspiring and harvesting and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains, and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale, green infrastructure consists of site and neighborhood-specific practices, such as:

Component	Cost
<input type="checkbox"/> Bioretention	\$0
<input type="checkbox"/> Trees	\$0
<input type="checkbox"/> Green Roofs	\$0
<input type="checkbox"/> Permeable Pavement	\$0
<input type="checkbox"/> Cisterns	\$0
Total Green Infrastructure Cost:	
\$0	

There are no Green Infrastructure components specified for this project.



Drinking Water Project Profile
WX21159007 - Martin County Water District
Water Treatment Plant Clarifier Rehab

Sustainable Infrastructure - Water Efficiency:

The use of improved technologies and practices to deliver equal or better services with less water. Water efficiency encompasses conservation and reuse efforts, as well as water loss reduction and prevention, to protect water resources for the future. Examples include:

Component	Cost
<input type="checkbox"/> Installing or retrofitting water efficient devices such as plumbing fixtures and appliances (toilets, showerheads, urinals).	\$0
<input type="checkbox"/> Installing any type of water meter in previously unmetered areas (can include backflow prevention if in conjunction with meter replacement).	\$0
<input type="checkbox"/> Replacing existing broken/malfunctioning water meters with AMR or smart meters, meters with leak detection, backflow prevention.	\$0
<input type="checkbox"/> Retrofitting/adding AMR capabilities or leak equipment to existing meters.	\$0
<input type="checkbox"/> Conducting water utility audits, leak detection studies, and water use efficiency baseline studies, which are reasonably expected to result in a capital project or in a reduction in demand to alleviate the need for additional capital investment.	\$0
<input type="checkbox"/> Developing conservation plans/programs reasonable expected to result in a water conserving capital project or in a reduction in demand to alleviate the need for capital investment.	\$0
<input type="checkbox"/> Recycling and water reuse projects that replace potable sources with non-potable sources (Gray water, condensate, and wastewater effluent reuse systems, extra treatment or distribution costs associated with water reuse).	\$0
<input type="checkbox"/> Retrofit or replacement of existing landscape irrigation systems to more efficient landscape irrigation systems.	\$0
<input type="checkbox"/> Water meter replacement with traditional water meters.*	\$0
<input type="checkbox"/> Distribution pipe replacement or rehabilitation to reduce water loss and prevent water main breaks.*	\$0
<input type="checkbox"/> Storage tank replacement/rehabilitation to reduce water loss.*	\$0
<input type="checkbox"/> New water efficient landscape irrigation system, where there currently is not one.*	\$0
Total Water Efficiency Cost:	\$0

** Indicates a business case may be required for this item.*

There are no Water Efficiency components specified for this project.

Sustainable Infrastructure - Energy Efficiency:

Energy efficiency is the use of improved technologies and practices to reduce the energy consumption of water projects, use energy in a more efficient way, and/or produce/utilize renewable energy. Examples include:

Component	Cost
<input type="checkbox"/> Renewable energy projects, which are part of a public health project, such as wind, solar, geothermal, and micro-hydroelectric that provides power to a utility.	\$0
<input type="checkbox"/> Utility-owned or publicly-owned renewable energy projects.	\$0
<input type="checkbox"/> Utility energy management planning, including energy assessments, energy audits, optimization studies, and sub-metering of individual processes to determine high energy use areas.	\$0
<input type="checkbox"/> Energy efficient retrofits, upgrades, or new pumping systems and treatment processes (including variable frequency drives (VFDs)).*	\$0
<input type="checkbox"/> Pump refurbishment to optimize pump efficiency.*	\$0
<input type="checkbox"/> Projects that result from an energy efficient related assessment.*	\$0
<input type="checkbox"/> Projects that cost effectively eliminate pumps or pumping stations.*	\$0
<input type="checkbox"/> Projects that achieve the remaining increments of energy efficiency in a system that is already very efficient.*	\$0
<input type="checkbox"/> Upgrade of lighting to energy efficient sources.*	\$0
<input type="checkbox"/> Automated and remote control systems (SCADA) that achieve substantial energy savings.*	\$0
Total Energy Efficiency Cost:	\$0

** Indicates a business case may be required for this item.*

There are no Energy Efficiency components specified for this project.



Drinking Water Project Profile

WX21159007 - Martin County Water District
Water Treatment Plant Clarifier Rehab

Sustainable Infrastructure - Environmentally Innovative:

Environmentally innovative projects include those that demonstrate new and/or innovative approaches to delivering services or managing water resources in a more sustainable way. Examples include:

Component	Cost
<input type="checkbox"/> Total integrated water resources management planning, or other planning framework where project life cycle costs are minimized, which enables communities to adopt more efficient and cost-effective infrastructure solutions.	\$0
<input type="checkbox"/> Plans to improve water quantity and quality associated with water system technical, financial, and managerial capacity.	\$0
<input type="checkbox"/> Source water protection planning (delineation, monitoring, modeling).	\$0
<input type="checkbox"/> Planning activities to prepare for adaptation to the long-term effects of climate change and/or extreme weather.	\$0
<input type="checkbox"/> Utility sustainability plan consistent with EPA's sustainability policy.	\$0
<input type="checkbox"/> Greenhouse gas inventory or mitigation plan and submission of a GHG inventory to a registry as long as it is being done for an SRF eligible facility.	\$0
<input type="checkbox"/> Construction of US Building Council LEED certified buildings, or renovation of an existing building.	\$0
<input type="checkbox"/> Projects that significantly reduce or eliminate the use of chemicals in water treatment.*	\$0
<input type="checkbox"/> Treatment technologies or approaches that significantly reduce the volume of residuals, minimize the generation of residuals, or lower the amount of chemicals in the residuals.*	\$0
<input type="checkbox"/> Trenchless or low impact construction technology.*	\$0
<input type="checkbox"/> Using recycled materials or re-using materials on-site.*	\$0
<input type="checkbox"/> Educational activities and demonstration projects for water or energy efficiency (such as rain gardens).*	\$0
<input type="checkbox"/> Projects that achieve the goals/objectives of utility asset management plans.*	\$0
Total Environmentally Innovative Cost:	\$0

* Indicates a business case may be required for this item.

There are no Environmentally Innovative components specified for this project.

Sustainable Infrastructure - Asset Management:

If a category is selected, the applicant must provide proof to substantiate claims. The documents must be submitted to Anshu Singh (Anshu.Singh@ky.gov) for CW projects

Component
Last Rate Adjustment Date: 05-20-2018 Download Fee Schedule
Rate Adjustment Age: 0 months
System's monthly water bill, based on 4,000 gallons, as a percentage of MHI: 2.00%
<input type="checkbox"/> The system(s) has a Capital Improvement Plan or similar planning document.
<input type="checkbox"/> The system(s) involved in this project have specifically allocated funds for the rehabilitation and replacement of aging and deteriorating infrastructure.

Project Status: Approved

Date Approved: 06-27-2017

Date Revised:



Drinking Water Project Profile

Legal Applicant:	Martin County Water District	Submitted By:	BSADD
Project Title:	Water System Controls and Raw Water Modifications	Primary County:	Martin
Project Number:	WX21159009 View Map	Planning Unit:	Martin
Funding Status:	Not Funded	Multi-County:	No
Project Status:	Approved	ECH Status:	Under Review
Project Schedule:	0-2 Years	ADD WMC Contact:	Jamie Pinson
E-Clearinghouse SAI:	KY201804020196		
Applicant Entity Type:	Water District (KRS 74)		
Date Approved (AWMPC):	12-04-2015		

Project Description:

This project will include raw water intake modifications. A secondary intake will be added in the Tug Fork River providing redundancy. Piping, pumps, and controls will be upgraded to provide for the second intake. In addition to the second raw water intake, the raw water transmission main will be extended from the Crum Reservoir to the water treatment plant and a new reservoir intake structure will be constructed. The transmission main will be 3,500 linear feet of 16 inch ductile iron pipe. This project also includes installation of system wide telemetry SCADA system.

Need for Project:

Briefly describe how this project promotes public health or achieves and/or maintains compliance with the Clean Water Act or Safe Drinking Water Act:

The second intake structure will provide security when the river level is low and protection during flood events. The piping, pump, and control upgrades will provide more reliability than the current system alone.

The transmission main extension from the reservoir to the plant will give the District flexibility to bring water directly from the river to the WTP bypassing the reservoir. During certain time of the year, primarily in the fall, organics get very high in the reservoir impacting the final water quality.

The new SCADA system will allow for continuous readout at a central location from all storage tanks, pump stations, and control valves. This will reduce water loss by detecting problems sooner and reducing down time when there is a problem.

Project Alternatives:

Alternate A:

For the intake activities; change the pumps and valves only.

Alternate B:

Reduce scope of SCADA control systems

Legal Applicant:

Entity Type: **Water District (KRS 74)**

PSC Group ID: **25000**

Entity Name: **Martin County Water District**

Web URL:

Office EMail: greg_scott818@yahoo.com

Office Phone: **606-298-3885**

Toll Free:

Fax: **606-298-4913**

Mail Address Line 1: **387 E Main St**

Phys Address Line 1: **387 E Main St**

Mail Address Line 2:

Phys Address Line 2:

Mail City, State Zip: **Inez, KY 41224**

Phys City, State Zip: **Inez, KY 41224**

Contact: **Greg Scott**

Financial Contact:

Auth Official: **Kelly Calaham**

Contact Title: **Interim General Manager**

Financial Contact Title:

Auth Official Title: **Judge Executive**

Contact EMail: greg_scott818@yahoo.com

Financial Contact EMail:

kcallaham@suddenlinkmail.com

Auth Official EMail: **com**

Contact Phone: **606-298-3885**

Financial Contact Phone:

Auth Official Phone: **606-298-2800**

Data Source: **Kentucky Infrastructure Authority**

Date Last Modified: 04.10.2018



Drinking Water Project Profile

WX21159009 - Martin County Water District
Water System Controls and Raw Water Modifications

Project Administrator (PA) Information

Name: **Monica Spriggs**

Title: **Project Administrator**

Organization: **Big Sandy Area Development District**

Address Line 1: **110 Resource Dr**

Address Line 2:

City: **Prestonsburg** State: **KY** Zip: **41653**

Phone: **606-886-2374** Fax: **606-886-3382**

Applicant Contact (AC) Information

Name: **Greg Scott**

Title: **Interim General Manager**

Organization: **Martin County Water District**

Address Line 1: **HC 69 Box 875**

Address Line 2:

City: **Inez** State: **KY** Zip: **41224**

Phone: **606-298-3885** Fax:

Estimated Budget

Project Cost Categories:

Cost Category	Cost
Administrative Expenses:	
Legal Expenses:	
Land, Appraisals, Easements:	
Relocation Expenses & Repayments:	
Planning:	
Engineering Fees - Design:	\$ 202,000
Engineering Fees - Construction:	\$ 50,000
Engineering Fees - Inspection:	\$ 152,000
Engineering Fees - Other:	
Construction:	\$ 2,750,000
Equipment:	
Miscellaneous:	
Contingencies:	\$ 275,000
Total Project Cost:	\$ 3,429,000

Construction Cost Categories:

Cost Category	Cost
Treatment:	
Transmission & Distribution:	
Source:	\$ 2,500,000
Storage:	
Purchase of Systems:	
Restructuring:	
Land Acquisition:	
Non-Categorized:	\$ 250,000
Total Construction Cost:	\$ 2,750,000

Total Sustainable Infrastructure Costs:

Note: Total Sustainability Infrastructure Costs are included within construction and other costs reported in this section. This breakout is provided for SRF review purposes.

Project Funding Sources:

Total Project Cost: **\$3,429,000**

Total Committed Funding: **\$0**

Funding Gap: **\$3,429,000 (Not Funded)**

☒ This project will be requesting SRF funding for fiscal year 2019.

Estimated Project Schedule:

Est. Environmental Review Submittal Date: **06-15-2018**

Estimated Bid Date: **09-15-2018**

Estimated Construction Start Date: **11-15-2018**

Estimated Construction Completion Date: **12-13-2019**

Funding Source	Loan or Grant ID	Fiscal Year	Amount	Status	Applicable Date
AML		2018	\$3,429,000	Anticipated	
Total Committed					

Funding Source Notes:

The following systems are beneficiaries of this project:

✓ **KY0800273 Martin County Water District**

Note: Check mark indicates primary system for this project.



Drinking Water Project Profile

WX21159009 - Martin County Water District
Water System Controls and Raw Water Modifications

Project Ranking by AWMPC:

Regional Ranking(s):

Planning Unit Ranking:

Total Points:

- ☐ Plans and specs have been sent to DOW.
☐ Plans and specs have been reviewed by DOW.
☐ Plans and specs have been sent to PSC.
☐ Plans and specs have been reviewed by PSC.

Economic, Demographic and Geographic Impacts

Economic Impacts	
Jobs Created:	
Jobs Retained:	

*Demographic Impacts (GIS Census Overlay)			
Serviceable Demographic	Project Area	Included Systems	Included Utilities
Population:	144	12,186	12,181
Households:	70	5,098	5,098
MHI:	\$28,559	\$29,025	*\$29,025
MHI MOE	\$7,933	\$8,282	*\$8,282
MOE as Pct:	28%	29.0%	29.0%
**NSRL:		2	2

Population and household counts are based on 2010 census block values from the SF1 (100%) dataset.

MHI Source is from the American Community Survey 2012-2016 5Yr Estimates (Table B19013) *(for the primary system operated by the above listed beneficiary utilities).

MHI MOE = Med HH Income Margin of Error.

** NSRL (Non-Standard Rate Levels):

0 = Income above Kentucky MHI (KMHI).

1 = Income between 80% KMHI and KMHI.

2 = Income less than or equal to 80% KMHI.

- KMHI = \$44,811

- 80% KMHI = \$35,849

Geographic Impacts For Project Area	
Counties	
Martin	
Legislative Districts	
District Name	Legislator
House 093	Chris Harris
Senate 31	Ray S. Jones II
Congressional 5	Hal Rogers
Groundwater Sensitivity Zones	
HUC 10 Watersheds	
HUC Code	Watershed Name
0507020105	Wolf Creek-Tug Fork
0507020106	Rockcastle Creek-Tug Fork

Geographic Impacts For Included System(s)	
Counties	
Johnson	
Lawrence	
Martin	
Legislative Districts	
District Name	Legislator
House 093	Chris Harris
House 096	Jill York
House 097	Scott Wells
Senate 30	Brandon Smith
Senate 31	Ray S. Jones II
Congressional 5	Hal Rogers

New Customers	
New Residential Customers:	
New Commercial Customers:	
New Institutional Customers:	
New Industrial Customers:	

New or Improved Service		
Service Demographic	Survey Based	Census Overlay*
To Unserved Households:		
To Underserved Households:	3,335	70
To Total Households:	3,335	70
** Cost Per Household:	\$1,028	

* GIS Census block overlay figures are estimates of population and households potentially served by systems and projects based on a proximity analysis of relevant service lines to census block boundaries.

** Cost per household is based on surveyed household counts, not GIS overlay values.



Drinking Water Project Profile

WX21159009 - Martin County Water District
Water System Controls and Raw Water Modifications

DW Specific Impacts:

- ☐ This project relates to a public health emergency.
- ☒ This project will assist a non-compliant system to achieve compliance.
- ☐ This project will assist a compliant system to meet future requirements
- ☐ This project will provide assistance not compliance related.
- ☒ This project is necessary to achieve full or partial compliance with a court order, agreed order, or a judicial or administrative consent decree.
- ☐ Primary system has not received any SDWA Notices of Violation within the previous state fiscal year-July through June, i.e. July 2014 – June 2015).

Project Inventory (Mapped Features):

Mapped Point Features							
DOW Permit ID	Count	FeatureType	Purpose	Status	Existing Capacity	Proposed Capacity	Units
KY0800273	1	RADIO METER	WATER EFF - AMR CAPABILITIES	NEW			EA
KY0800273	1	SCADA	ENERGY EFF - SCADA	NEW			EA
KY0800273	1	SURFACE SOURCE	NEW RAW WATER INTAKE INSTALLATION AT RESERVOIR	NEW			EA
KY0800273	1	SURFACE SOURCE	PRIMARY RAW WATER INTAKE MODIFICATIONS	REHAB			EA
KY0800273	1	SURFACE SOURCE	REDUNDANCY	NEW			EA

Mapped Line Features						
DOW Permit ID	Line Type	Purpose	Activity	Size (in.)	Material	Length (LF)
KY0800273	WATER LINE: FINISHED	DISTRIBUTION	REHAB - REPLACE PROBLEM LINES	6.00	PVC	15,260
KY0800273	WATER LINE: RAW	TRANSMISSION	REHAB - REPLACE PROBLEM LINES	16.00	DUCTILE IRON	3,955
					Total Length	19,215

Administrative Components:

- ☒ Planning ☒ Design ☒ Construction ☐ Management

Regionalization Components:

Public Water Systems Eliminated:

- ☐ this project includes the elimination of public water system(s) through merger or acquisition.

Water Treatment Plants Eliminated:

- ☐ This project includes the elimination of water treatment plant(s) through interconnect(s).

Supplementation of Raw Water Supply:

- ☐ This project includes supplementing the existing raw water supply.

Supplementation of Potable Water Supply:

- ☐ This project includes supplementing the existing potable water supply.



Drinking Water Project Profile
WX21159009 - Martin County Water District
Water System Controls and Raw Water Modifications

Emergency Only Water Supply:

- ☐ This project provides emergency only water supply.

Water Source Protection:

- ☐ This project includes land acquisition for water source protection.

Water Treatment Components:

- ☐ This project includes water treatment components

Treatment Activities:

- ☐ This project includes a new water treatment plant.
- ☐ This project includes an expansion of an existing water treatment plant.
- ☐ This project includes rehabilitation of an existing water treatment plant.
- ☐ This project includes upgrades to an existing water treatment plant.
- ☐ This project includes emergency power generators for treatment activities.
- ☐ This project includes redundant treatment processes.

Acute Public Health Risk:

- ☐ This project includes infrastructure options to meet Cryptosporidium removal/inactivation requirements.
- ☐ This project includes infrastructure options to meet CT inactivation requirements.

Chronic Public Health Risk:

- ☒ This project includes treatment modifications to meet the Disinfectants/Disinfection Byproducts Rule at the water treatment plant.
- ☐ This project will provide treatment modifications for VOCs, IOC, SOC, or Radionuclides.

Secondary Contaminants:

- ☐ This project includes treatment modifications to address Secondary Contaminants.

Security:

- ☐ This project includes security components for water treatment facilities.

Water Distribution and Storage:

- ☒ This project includes water distribution and/or storage components.

Water Line Extensions:

- ☐ This project includes water line extension(s).



Drinking Water Project Profile
WX21159009 - Martin County Water District
Water System Controls and Raw Water Modifications

Redundancy Components:

- ☐ This project includes emergency power generators for distribution and/or storage activities.

Number of units provided: 0

- ☐ This project includes redundant distribution and/or storage processes.

Finished Water Quality:

- ☐ This project includes infrastructure to address inadequate water turnover and disinfection byproducts (DBPs).

- ☐ This project includes infrastructure to address inability to maintain disinfection residual.

Water Line Replacement:

- ☒ This project replaces problem water lines (breaks, leaks, or restrictive flows due to age), water lines consisting of lead and/or asbestos-cement (AC), and/or inadequately sized water lines.

Total length of line replacement: 19,215

Water Storage and Pressure Components:

- ☐ This project includes the construction of new water tank(s).

- ☐ This project includes the replacement of existing water tank(s).

- ☐ This project includes the rehabilitation of existing water tank(s).

Number of rehabilitated tanks: 0

- ☐ This project includes the construction of new pump station(s).

Number of new pump stations: 0

- ☐ This project includes the rehabilitation of existing pump station(s).

Number of rehabilitated pump stations: 0

Security:

- ☐ This project includes security components for water distribution infrastructure.

Sustainable Infrastructure - Green Infrastructure:

Green stormwater infrastructure includes a wide array of practices at multiple scales that manage wet weather and that maintains and restores natural hydrology by infiltrating, evapotranspiring and harvesting and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains, and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale, green infrastructure consists of site and neighborhood-specific practices, such as:

Component	Cost
<input type="checkbox"/> Bioretention	\$0
<input type="checkbox"/> Trees	\$0
<input type="checkbox"/> Green Roofs	\$0
<input type="checkbox"/> Permeable Pavement	\$0
<input type="checkbox"/> Cisterns	\$0
Total Green Infrastructure Cost:	
\$0	

There are no Green Infrastructure components specified for this project.



Drinking Water Project Profile
WX21159009 - Martin County Water District
Water System Controls and Raw Water Modifications

Sustainable Infrastructure - Water Efficiency:

The use of improved technologies and practices to deliver equal or better services with less water. Water efficiency encompasses conservation and reuse efforts, as well as water loss reduction and prevention, to protect water resources for the future. Examples include:

Component	Cost
<input type="checkbox"/> Installing or retrofitting water efficient devices such as plumbing fixtures and appliances (toilets, showerheads, urinals).	\$0
<input type="checkbox"/> Installing any type of water meter in previously unmetered areas (can include backflow prevention if in conjunction with meter replacement).	\$0
<input type="checkbox"/> Replacing existing broken/malfunctioning water meters with AMR or smart meters, meters with leak detection, backflow prevention.	\$0
<input type="checkbox"/> Retrofitting/adding AMR capabilities or leak equipment to existing meters.	\$0
<input type="checkbox"/> Conducting water utility audits, leak detection studies, and water use efficiency baseline studies, which are reasonably expected to result in a capital project or in a reduction in demand to alleviate the need for additional capital investment.	\$0
<input type="checkbox"/> Developing conservation plans/programs reasonable expected to result in a water conserving capital project or in a reduction in demand to alleviate the need for capital investment.	\$0
<input type="checkbox"/> Recycling and water reuse projects that replace potable sources with non-potable sources (Gray water, condensate, and wastewater effluent reuse systems, extra treatment or distribution costs associated with water reuse).	\$0
<input type="checkbox"/> Retrofit or replacement of existing landscape irrigation systems to more efficient landscape irrigation systems.	\$0
<input type="checkbox"/> Water meter replacement with traditional water meters.*	\$0
<input type="checkbox"/> Distribution pipe replacement or rehabilitation to reduce water loss and prevent water main breaks.*	\$0
<input type="checkbox"/> Storage tank replacement/rehabilitation to reduce water loss.*	\$0
<input type="checkbox"/> New water efficient landscape irrigation system, where there currently is not one.*	\$0
Total Water Efficiency Cost:	\$0

** Indicates a business case may be required for this item.*

There are no Water Efficiency components specified for this project.

Sustainable Infrastructure - Energy Efficiency:

Energy efficiency is the use of improved technologies and practices to reduce the energy consumption of water projects, use energy in a more efficient way, and/or produce/utilize renewable energy. Examples include:

Component	Cost
<input type="checkbox"/> Renewable energy projects, which are part of a public health project, such as wind, solar, geothermal, and micro-hydroelectric that provides power to a utility.	\$0
<input type="checkbox"/> Utility-owned or publicly-owned renewable energy projects.	\$0
<input type="checkbox"/> Utility energy management planning, including energy assessments, energy audits, optimization studies, and sub-metering of individual processes to determine high energy use areas.	\$0
<input type="checkbox"/> Energy efficient retrofits, upgrades, or new pumping systems and treatment processes (including variable frequency drives (VFDs)).*	\$0
<input type="checkbox"/> Pump refurbishment to optimize pump efficiency.*	\$0
<input type="checkbox"/> Projects that result from an energy efficient related assessment.*	\$0
<input type="checkbox"/> Projects that cost effectively eliminate pumps or pumping stations.*	\$0
<input type="checkbox"/> Projects that achieve the remaining increments of energy efficiency in a system that is already very efficient.*	\$0
<input type="checkbox"/> Upgrade of lighting to energy efficient sources.*	\$0
<input type="checkbox"/> Automated and remote control systems (SCADA) that achieve substantial energy savings.*	\$0
Total Energy Efficiency Cost:	\$0

** Indicates a business case may be required for this item.*

There are no Energy Efficiency components specified for this project.



Drinking Water Project Profile
WX21159009 - Martin County Water District
Water System Controls and Raw Water Modifications

Sustainable Infrastructure - Environmentally Innovative:

Environmentally innovative projects include those that demonstrate new and/or innovative approaches to delivering services or managing water resources in a more sustainable way. Examples include:

Component	Cost
<input type="checkbox"/> Total integrated water resources management planning, or other planning framework where project life cycle costs are minimized, which enables communities to adopt more efficient and cost-effective infrastructure solutions.	\$0
<input type="checkbox"/> Plans to improve water quantity and quality associated with water system technical, financial, and managerial capacity.	\$0
<input type="checkbox"/> Source water protection planning (delineation, monitoring, modeling).	\$0
<input type="checkbox"/> Planning activities to prepare for adaptation to the long-term effects of climate change and/or extreme weather.	\$0
<input type="checkbox"/> Utility sustainability plan consistent with EPA's sustainability policy.	\$0
<input type="checkbox"/> Greenhouse gas inventory or mitigation plan and submission of a GHG inventory to a registry as long as it is being done for an SRF eligible facility.	\$0
<input type="checkbox"/> Construction of US Building Council LEED certified buildings, or renovation of an existing building.	\$0
<input type="checkbox"/> Projects that significantly reduce or eliminate the use of chemicals in water treatment.*	\$0
<input type="checkbox"/> Treatment technologies or approaches that significantly reduce the volume of residuals, minimize the generation of residuals, or lower the amount of chemicals in the residuals.*	\$0
<input type="checkbox"/> Trenchless or low impact construction technology.*	\$0
<input type="checkbox"/> Using recycled materials or re-using materials on-site.*	\$0
<input type="checkbox"/> Educational activities and demonstration projects for water or energy efficiency (such as rain gardens).*	\$0
<input type="checkbox"/> Projects that achieve the goals/objectives of utility asset management plans.*	\$0
Total Environmentally Innovative Cost:	\$0

* Indicates a business case may be required for this item.

There are no Environmentally Innovative components specified for this project.

Sustainable Infrastructure - Asset Management:

If a category is selected, the applicant must provide proof to substantiate claims. The documents must be submitted to Anshu Singh (Anshu.Singh@ky.gov) for CW projects

Component

Last Rate Adjustment Date: **05-20-2018** [Download Fee Schedule](#)

Rate Adjustment Age: **0 months**

System's monthly water bill, based on 4,000 gallons, as a percentage of MHI: **2.00%**

- ☐ The system(s) has a Capital Improvement Plan or similar planning document.
- ☐ The system(s) involved in this project have specifically allocated funds for the rehabilitation and replacement of aging and deteriorating infrastructure.

Project Status: Approved

Date Approved: 12-04-2015

Date Revised:



Drinking Water Project Profile

Legal Applicant:	Martin County Water District			
Project Title:	Water Treatment Plant Clarifier and Disinfection byproduct reduction			
Project Number:	WX21159016	View Map	Submitted By:	BSADD
Funding Status:	Not Funded		Primary County:	Martin
Project Status:	Approved		Planning Unit:	Martin
Project Schedule:	0-2 Years		Multi-County:	No
E-Clearinghouse SAI:			ECH Status:	
Applicant Entity Type:	Water District (KRS 74)		ADD WMC Contact:	Jamie Pinson
Date Approved (AWMPC):	12-05-2017			

Project Description:

This project will include clear well aeration and diffusion pipe repair along with a Clarifier cover and an intake screen at the reservoir intake. This project will improve the water quality by installing clearwell aeration, clarifier cover intake screen at reservoir intake and repair clearwell diffusion pipe.

Need for Project:

Briefly describe how this project promotes public health or achieves and/or maintains compliance with the Clean Water Act or Safe Drinking Water Act:

This project will reduce the disinfection byproducts

Project Alternatives:

Alternate A:

Distribution aeration

Alternate B:

Legal Applicant:

Entity Type: **Water District (KRS 74)**

PSC Group ID: **25000**

Entity Name: **Martin County Water District**

Web URL:

Office EMail: greg_scott818@yahoo.com

Office Phone: **606-298-3885**

Toll Free:

Fax: **606-298-4913**

Mail Address Line 1: **387 E Main St**

Phys Address Line 1: **387 E Main St**

Mail Address Line 2:

Phys Address Line 2:

Mail City, State Zip: **Inez, KY 41224**

Phys City, State Zip: **Inez, KY 41224**

Contact: **Greg Scott**

Financial Contact:

Auth Official: **Kelly Calaham**

Contact Title: **Interim General Manager**

Financial Contact Title:

Auth Official Title: **Judge Executive**

Contact EMail: greg_scott818@yahoo.com

Financial Contact EMail:

kcallaham@suddenlinkmail.com

Contact Phone: **606-298-3885**

Financial Contact Phone:

Auth Official Phone: **606-298-2800**

Data Source: [Kentucky Infrastructure Authority](#)

Date Last Modified: 04.10.2018



Drinking Water Project Profile

WX21159016 - Martin County Water District
Water Treatment Plant Clarifier and Disinfection byproduct reduction

Project Administrator (PA) Information

Name: **Holly L Nicholas**

Title: **Project Administrator**

Organization: **Kentucky Engineering Group, PLLC**

Address Line 1: **PO Box 1034**

Address Line 2:

City: **Versailles** State: **KY** Zip: **40383**

Phone: **859-333-9742** Fax: **859-251-4137**

Applicant Contact (AC) Information

Name: **Joe Hammond**

Title: **Business Manager**

Organization: **Martin County Utilities**

Address Line 1: **38 7 E Main St**

Address Line 2:

City: **Inez** State: **KY** Zip: **41224**

Phone: **606-626-7748** Fax: **606-298-4913**

Estimated Budget

Project Cost Categories:

Cost Category	Cost
Administrative Expenses:	\$ 10,000
Legal Expenses:	\$ 10,000
Land, Appraisals, Easements:	
Relocation Expenses & Repayments:	
Planning:	\$ 10,000
Engineering Fees - Design:	\$ 26,000
Engineering Fees - Construction:	\$ 30,000
Engineering Fees - Inspection:	\$ 15,000
Engineering Fees - Other:	
Construction:	\$ 235,000
Equipment:	
Miscellaneous:	
Contingencies:	\$ 23,500
Total Project Cost:	\$ 359,500

Construction Cost Categories:

Cost Category	Cost
Treatment:	\$ 235,000
Transmission & Distribution:	
Source:	
Storage:	
Purchase of Systems:	
Restructuring:	
Land Acquisition:	
Non-Categorized:	
Total Construction Cost:	\$ 235,000

Total Sustainable Infrastructure Costs:

Note: Total Sustainability Infrastructure Costs are included within construction and other costs reported in this section. This breakout is provided for SRF review purposes.

Project Funding Sources:

Total Project Cost: **\$359,500**

Total Committed Funding: **\$0**

Funding Gap: **\$359,500 (Not Funded)**

☒ This project will be requesting SRF funding for fiscal year 2019.

Estimated Project Schedule:

Est. Environmental Review Submittal Date:

Estimated Bid Date:

06-01-2018

Estimated Construction Start Date:

08-01-2018

Estimated Construction Completion Date:

02-15-2019

Funding Source	Loan or Grant ID	Fiscal Year	Amount	Status	Applicable Date
KIA SRF Fund F Loan (DW)	F19-022	2019	\$359,500	Ranked	4/11/2018
Local			\$359,500	Anticipated	
Total Committed					

Funding Source Notes:

The following systems are beneficiaries of this project:

✓ **KY0800273** Martin County Water District



Drinking Water Project Profile

WX21159016 - Martin County Water District
Water Treatment Plant Clarifier and Disinfection byproduct reduction

Note: Check mark indicates primary system for this project.

Project Ranking by AWMPC:

Regional Ranking(s):

Planning Unit Ranking:

Total Points:

- ☐ Plans and specs have been sent to DOW.
- ☐ Plans and specs have been reviewed by DOW.
- ☐ Plans and specs have been sent to PSC.
- ☐ Plans and specs have been reviewed by PSC.

Economic, Demographic and Geographic Impacts

Economic Impacts	
Jobs Created:	
Jobs Retained:	

*Demographic Impacts (GIS Census Overlay)			
Serviceable Demographic	Project Area	Included Systems	Included Utilities
Population:		12,186	12,181
Households:		5,098	5,098
MHI:		\$29,025	*\$29,025
MHI MOE		\$8,282	*\$8,282
MOE as Pct:		29.0%	29.0%
**NSRL:		2	2

Population and household counts are based on 2010 census block values from the SF1 (100%) dataset.

MHI Source is from the American Community Survey 2012-2016 5Yr Estimates (Table B19013) *(for the primary system operated by the above listed beneficiary utilities).

MHI MOE = Med HH Income Margin of Error.

** NSRL (Non-Standard Rate Levels):

- 0 = Income above Kentucky MHI (KMHI).
- 1 = Income between 80% KMHI and KMHI.
- 2 = Income less than or equal to 80% KMHI.
- KMHI = \$44,811
- 80% KHMI = \$35,849

Geographic Impacts For Project Area	
Counties	
Martin	
Legislative Districts	
District Name	Legislator
House 093	Chris Harris
Senate 31	Ray S. Jones II
Congressional 5	Hal Rogers
Groundwater Sensitivity Zones	
HUC 10 Watersheds	
HUC Code	Watershed Name
0507020106	Rockcastle Creek-Tug Fork

Geographic Impacts For Included System(s)	
Counties	
Johnson	
Lawrence	
Martin	
Legislative Districts	
District Name	Legislator
House 093	Chris Harris
House 096	Jill York
House 097	Scott Wells
Senate 30	Brandon Smith
Senate 31	Ray S. Jones II
Congressional 5	Hal Rogers

New Customers	
New Residential Customers:	
New Commercial Customers:	
New Institutional Customers:	
New Industrial Customers:	

New or Improved Service		
Service Demographic	Survey Based	Census Overlay*
To Unserved Households:		
To Underserved Households:	3,500	
To Total Households:	3,500	
** Cost Per Household:	\$103	

* GIS Census block overlay figures are estimates of population and households potentially served by systems and projects based on a proximity analysis of relevant service lines to census block boundaries.

** Cost per household is based on surveyed household counts, not GIS overlay values.



Drinking Water Project Profile
WX21159016 - Martin County Water District
Water Treatment Plant Clarifier and Disinfection byproduct reduction

DW Specific Impacts:

- ☒ This project relates to a public health emergency.
- ☒ This project will assist a non-compliant system to achieve compliance.
- ☐ This project will assist a compliant system to meet future requirements
- ☐ This project will provide assistance not compliance related.
- ☒ This project is necessary to achieve full or partial compliance with a court order, agreed order, or a judicial or administrative consent decree.
- ☐ Primary system has not received any SDWA Notices of Violation within the previous state fiscal year-July through June, i.e. July 2014 – June 2015).

Project Inventory (Mapped Features):

Mapped Point Features							
DOW Permit ID	Count	FeatureType	Purpose	Status	Existing Capacity	Proposed Capacity	Units
KY0800273	1	WATER TREATMENT PLANT	IMPROVE WATER QUALITY	WTP - UPGRADE	2.00		MGD
KY0800273	1	INTAKE FILTER	IMPROVE WATER QUALITY	REHAB			

Administrative Components:

- ☒ Planning
- ☒ Design
- ☒ Construction
- ☐ Management

Regionalization Components:

Public Water Systems Eliminated:

- ☐ this project includes the elimination of public water system(s) through merger or acquisition.

Water Treatment Plants Eliminated:

- ☐ This project includes the elimination of water treatment plant(s) through interconnect(s).

Supplementation of Raw Water Supply:

- ☐ This project includes supplementing the existing raw water supply.

Supplementation of Potable Water Supply:

- ☐ This project includes supplementing the existing potable water supply.

Emergency Only Water Supply:

- ☐ This project provides emergency only water supply.

Water Source Protection:

- ☐ This project includes land acquisition for water source protection.



Drinking Water Project Profile
WX21159016 - Martin County Water District
Water Treatment Plant Clarifier and Disinfection byproduct reduction

Water Treatment Components:

- ☒ This project includes water treatment components

Treatment Activities:

- ☐ This project includes a new water treatment plant.
Proposed design capacity (MGD): **0.000**
- ☐ This project includes an expansion of an existing water treatment plant.
Current design capacity (MGD): **0.000**
Proposed design capacity (MGD): **0.000**
- ☐ This project includes rehabilitation of an existing water treatment plant.
- ☒ This project includes upgrades to an existing water treatment plant.
- ☐ This project includes emergency power generators for treatment activities.
Number of units provided: **0**
- ☐ This project includes redundant treatment processes.

Acute Public Health Risk:

- ☐ This project includes infrastructure options to meet Cryptosporidium removal/inactivation requirements.
- ☒ This project includes infrastructure options to meet CT inactivation requirements.
This project will enhance the CT capabilities

Chronic Public Health Risk:

- ☐ This project includes treatment modifications to meet the Disinfectants/Disinfection Byproducts Rule at the water treatment plant.
- ☐ This project will provide treatment modifications for VOCs, IOC, SOC, or Radionuclides.

Secondary Contaminants:

- ☐ This project includes treatment modifications to address Secondary Contaminants.

Security:

- ☐ This project includes security components for water treatment facilities.

Water Distribution and Storage:

- ☐ This project includes water distribution and/or storage components.

Water Line Extensions:

- ☐ This project includes water line extension(s).

Redundancy Components:

- ☐ This project includes emergency power generators for distribution and/or storage activities.
- ☐ This project includes redundant distribution and/or storage processes.



Drinking Water Project Profile
WX21159016 - Martin County Water District
Water Treatment Plant Clarifier and Disinfection byproduct reduction

Finished Water Quality:

- ☐ This project includes infrastructure to address inadequate water turnover and disinfection byproducts (DBPs).
- ☐ This project includes infrastructure to address inability to maintain disinfection residual.

Water Line Replacement:

- ☐ This project replaces problem water lines (breaks, leaks, or restrictive flows due to age), water lines consisting of lead and/or asbestos-cement (AC), and/or inadequately sized water lines.

Water Storage and Pressure Components:

- ☐ This project includes the construction of new water tank(s).
- ☐ This project includes the replacement of existing water tank(s).
- ☐ This project includes the rehabilitation of existing water tank(s).
- ☐ This project includes the construction of new pump station(s).
- ☐ This project includes the rehabilitation of existing pump station(s).

Security:

- ☐ This project includes security components for water distribution infrastructure.

Sustainable Infrastructure - Green Infrastructure:

Green stormwater infrastructure includes a wide array of practices at multiple scales that manage wet weather and that maintains and restores natural hydrology by infiltrating, evapotranspiring and harvesting and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains, and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale, green infrastructure consists of site and neighborhood-specific practices, such as:

Component	Cost
<input type="checkbox"/> Bioretention	\$0
<input type="checkbox"/> Trees	\$0
<input type="checkbox"/> Green Roofs	\$0
<input type="checkbox"/> Permeable Pavement	\$0
<input type="checkbox"/> Cisterns	\$0
Total Green Infrastructure Cost:	
	\$0

There are no Green Infrastructure components specified for this project.



Drinking Water Project Profile
WX21159016 - Martin County Water District
Water Treatment Plant Clarifier and Disinfection byproduct reduction

Sustainable Infrastructure - Water Efficiency:

The use of improved technologies and practices to deliver equal or better services with less water. Water efficiency encompasses conservation and reuse efforts, as well as water loss reduction and prevention, to protect water resources for the future. Examples include:

Component	Cost
<input type="checkbox"/> Installing or retrofitting water efficient devices such as plumbing fixtures and appliances (toilets, showerheads, urinals).	\$0
<input type="checkbox"/> Installing any type of water meter in previously unmetered areas (can include backflow prevention if in conjunction with meter replacement).	\$0
<input type="checkbox"/> Replacing existing broken/malfunctioning water meters with AMR or smart meters, meters with leak detection, backflow prevention.	\$0
<input type="checkbox"/> Retrofitting/adding AMR capabilities or leak equipment to existing meters.	\$0
<input type="checkbox"/> Conducting water utility audits, leak detection studies, and water use efficiency baseline studies, which are reasonably expected to result in a capital project or in a reduction in demand to alleviate the need for additional capital investment.	\$0
<input type="checkbox"/> Developing conservation plans/programs reasonable expected to result in a water conserving capital project or in a reduction in demand to alleviate the need for capital investment.	\$0
<input type="checkbox"/> Recycling and water reuse projects that replace potable sources with non-potable sources (Gray water, condensate, and wastewater effluent reuse systems, extra treatment or distribution costs associated with water reuse).	\$0
<input type="checkbox"/> Retrofit or replacement of existing landscape irrigation systems to more efficient landscape irrigation systems.	\$0
<input type="checkbox"/> Water meter replacement with traditional water meters.*	\$0
<input type="checkbox"/> Distribution pipe replacement or rehabilitation to reduce water loss and prevent water main breaks.*	\$0
<input type="checkbox"/> Storage tank replacement/rehabilitation to reduce water loss.*	\$0
<input type="checkbox"/> New water efficient landscape irrigation system, where there currently is not one.*	\$0
Total Water Efficiency Cost:	\$0

** Indicates a business case may be required for this item.*

There are no Water Efficiency components specified for this project.

Sustainable Infrastructure - Energy Efficiency:

Energy efficiency is the use of improved technologies and practices to reduce the energy consumption of water projects, use energy in a more efficient way, and/or produce/utilize renewable energy. Examples include:

Component	Cost
<input type="checkbox"/> Renewable energy projects, which are part of a public health project, such as wind, solar, geothermal, and micro-hydroelectric that provides power to a utility.	\$0
<input type="checkbox"/> Utility-owned or publicly-owned renewable energy projects.	\$0
<input type="checkbox"/> Utility energy management planning, including energy assessments, energy audits, optimization studies, and sub-metering of individual processes to determine high energy use areas.	\$0
<input type="checkbox"/> Energy efficient retrofits, upgrades, or new pumping systems and treatment processes (including variable frequency drives (VFDs)).*	\$0
<input type="checkbox"/> Pump refurbishment to optimize pump efficiency.*	\$0
<input type="checkbox"/> Projects that result from an energy efficient related assessment.*	\$0
<input type="checkbox"/> Projects that cost effectively eliminate pumps or pumping stations.*	\$0
<input type="checkbox"/> Projects that achieve the remaining increments of energy efficiency in a system that is already very efficient.*	\$0
<input type="checkbox"/> Upgrade of lighting to energy efficient sources.*	\$0
<input type="checkbox"/> Automated and remote control systems (SCADA) that achieve substantial energy savings.*	\$0
Total Energy Efficiency Cost:	\$0

** Indicates a business case may be required for this item.*

There are no Energy Efficiency components specified for this project.



Drinking Water Project Profile

WX21159016 - Martin County Water District
Water Treatment Plant Clarifier and Disinfection byproduct reduction

Sustainable Infrastructure - Environmentally Innovative:

Environmentally innovative projects include those that demonstrate new and/or innovative approaches to delivering services or managing water resources in a more sustainable way. Examples include:

Component	Cost
<input type="checkbox"/> Total integrated water resources management planning, or other planning framework where project life cycle costs are minimized, which enables communities to adopt more efficient and cost-effective infrastructure solutions.	\$0
<input type="checkbox"/> Plans to improve water quantity and quality associated with water system technical, financial, and managerial capacity.	\$0
<input type="checkbox"/> Source water protection planning (delineation, monitoring, modeling).	\$0
<input type="checkbox"/> Planning activities to prepare for adaptation to the long-term effects of climate change and/or extreme weather.	\$0
<input type="checkbox"/> Utility sustainability plan consistent with EPA's sustainability policy.	\$0
<input type="checkbox"/> Greenhouse gas inventory or mitigation plan and submission of a GHG inventory to a registry as long as it is being done for an SRF eligible facility.	\$0
<input type="checkbox"/> Construction of US Building Council LEED certified buildings, or renovation of an existing building.	\$0
<input type="checkbox"/> Projects that significantly reduce or eliminate the use of chemicals in water treatment.*	\$0
<input type="checkbox"/> Treatment technologies or approaches that significantly reduce the volume of residuals, minimize the generation of residuals, or lower the amount of chemicals in the residuals.*	\$0
<input type="checkbox"/> Trenchless or low impact construction technology.*	\$0
<input type="checkbox"/> Using recycled materials or re-using materials on-site.*	\$0
<input type="checkbox"/> Educational activities and demonstration projects for water or energy efficiency (such as rain gardens).*	\$0
<input type="checkbox"/> Projects that achieve the goals/objectives of utility asset management plans.*	\$0
Total Environmentally Innovative Cost:	\$0

* Indicates a business case may be required for this item.

There are no Environmentally Innovative components specified for this project.

Sustainable Infrastructure - Asset Management:

If a category is selected, the applicant must provide proof to substantiate claims. The documents must be submitted to Anshu Singh (Anshu.Singh@ky.gov) for CW projects

Component

Last Rate Adjustment Date: **05-20-2018** [Download Fee Schedule](#)

Rate Adjustment Age: **0 months**

System's monthly water bill, based on 4,000 gallons, as a percentage of MHI: **2.00%**

- ☐ The system(s) has a Capital Improvement Plan or similar planning document.
- ☐ The system(s) involved in this project have specifically allocated funds for the rehabilitation and replacement of aging and deteriorating infrastructure.

Project Status: Approved

Date Approved: 12-05-2017

Date Revised:



Drinking Water Project Profile

Legal Applicant:	Martin County Water District	Submitted By:	BSADD
Project Title:	ARC Water System Improvements	Primary County:	Martin
Project Number:	WX21159006 View Map	Planning Unit:	Martin
Funding Status:	Not Funded	Multi-County:	No
Project Status:	Approved	ECH Status:	Approved
Project Schedule:	0-2 Years	ADD WMC Contact:	Jamie Pinson
E-Clearinghouse SAI:	KY201708291043		
Applicant Entity Type:	Water District (KRS 74)		
Date Approved (AWMPC):	12-09-2014		

Project Description:

This project involves the replacement of 1,000 water service lines and meters in the Martin County Water District's distribution system. The replacement of customer service lines (from the water main to customer connection at the meter) will primarily be in the Beauty and Warfield area. The District has experienced water loss exceeding 60 percent and recent water loss studies have shown significant water loss in the Beauty & Warfield area is attributed to service line leakage and inaccurate meters. Meters in the area are over 20 years old resulting in under-registering the amount of water passing through the meters. By replacing the service lines and meters, water loss will be reduced and the District will receive the following benefits: lower operating expenses for producing and delivering water; lower operating expenses from leak repairs; increase revenue by accurately billing for all the water passing through the meters

Need for Project:

Briefly describe how this project promotes public health or achieves and/or maintains compliance with the Clean Water Act or Safe Drinking Water Act:

The existing service lines were installed in the 1970s and the material used was greatly inferior to the materials used today. It has been determined through leak detection that most of the water loss in this area is through these service lines and not the main lines. The service lines will be replaced using 1 inch Endot EndoPure SDR 9 Class 200 polyethylene service tubing. The meters in place range from 10 to 30 years old. By replacing them with radio read meters the amount of labor and time it takes the District to read the individual customer meters will be reduced and the readings will be more accurate.

Project Alternatives:

Alternate A:

Replace meters with regular meters.

Alternate B:

Replace service lines when there is a known problem not a large number at one time.

Legal Applicant:

Entity Type: Water District (KRS 74) PSC Group ID: 25000

Entity Name: Martin County Water District

Web URL:

Office EMail: greg_scott818@yahoo.com

Office Phone: 606-298-3885

Toll Free:

Fax: 606-298-4913

Mail Address Line 1: 387 E Main St

Phys Address Line 1: 387 E Main St

Mail Address Line 2:

Phys Address Line 2:

Mail City, State Zip: Inez, KY 41224

Phys City, State Zip: Inez, KY 41224

Contact: Greg Scott

Financial Contact:

Auth Official: Kelly Calahamn

Contact Title: Interim General Manager

Financial Contact Title:

Auth Official Title: Judge Executive

Contact EMail: greg_scott818@yahoo.com

Financial Contact EMail:

Auth Official EMail: kcallaham@suddenlinkmail.com

Contact Phone: 606-298-3885

Financial Contact Phone:

Auth Official Phone: 606-298-2800

Data Source: Kentucky Infrastructure Authority

Date Last Modified: 04.10.2018



Drinking Water Project Profile

WX21159006 - Martin County Water District
ARC Water System Improvements

Project Administrator (PA) Information

Name: **Monica Spriggs**

Title: **Project Administrator**

Organization: **Big Sandy Area Development District**

Address Line 1: **110 Resource Dr**

Address Line 2:

City: **Prestonsburg** State: **KY** Zip: **41653**

Phone: **606-886-2374** Fax: **606-886-3382**

Applicant Contact (AC) Information

Name: **Greg Scott**

Title: **Interim General Manager**

Organization: **Martin County Water District**

Address Line 1: **HC 69 Box 875**

Address Line 2:

City: **Inez** State: **KY** Zip: **41224**

Phone: **606-298-3885** Fax:

Estimated Budget

Project Cost Categories:

Cost Category	Cost
Administrative Expenses:	\$ 50,000
Legal Expenses:	
Land, Appraisals, Easements:	
Relocation Expenses & Repayments:	
Planning:	
Engineering Fees - Design:	\$ 70,800
Engineering Fees - Construction:	
Engineering Fees - Inspection:	\$ 58,750
Engineering Fees - Other:	\$ 17,700
Construction:	\$ 906,500
Equipment:	
Miscellaneous:	\$ 5,550
Contingencies:	\$ 90,700
Total Project Cost:	\$ 1,200,000

Construction Cost Categories:

Cost Category	Cost
Treatment:	
Transmission & Distribution:	\$ 906,500
Source:	
Storage:	
Purchase of Systems:	
Restructuring:	
Land Acquisition:	
Non-Categorized:	
Total Construction Cost:	\$ 906,500

Total Sustainable Infrastructure Costs:

Note: Total Sustainability Infrastructure Costs are included within construction and other costs reported in this section. This breakout is provided for SRF review purposes.

Project Funding Sources:

Total Project Cost: **\$1,200,000**

Total Committed Funding: **\$0**

Funding Gap: **\$1,200,000 (Not Funded)**

☒ This project will be requesting SRF funding for fiscal year 2019.

Estimated Project Schedule:

Est. Environmental Review Submittal Date: **10-10-2017**

Estimated Bid Date: **12-15-2017**

Estimated Construction Start Date: **02-01-2018**

Estimated Construction Completion Date: **12-31-2018**

Funding Source	Loan or Grant ID	Fiscal Year	Amount	Status	Applicable Date
KIA SRF Fund F Loan (DW)	F16-030	2016	\$2,760,960	Invited	9/16/2015
KIA SRF Fund F Loan (DW)		2017	\$3,599,900	Invited	10/28/2016
KIA SRF Fund F Loan (DW)	F19-034	2019	\$1,200,000	Ranked	4/11/2018
ARC		2017	\$1,200,000	Anticipated	
KIA Fund B Loan		2018	\$289,050	Anticipated	
Total Committed					

Funding Source Notes:



Drinking Water Project Profile

WX21159006 - Martin County Water District
ARC Water System Improvements

The following systems are beneficiaries of this project:

✓ **KY0800273 Martin County Water District**

Note: Check mark indicates primary system for this project.

Project Ranking by AWMPC:

Regional Ranking(s):

Planning Unit Ranking:

Total Points:

- ☐ Plans and specs have been sent to DOW.
☐ Plans and specs have been reviewed by DOW.
☐ Plans and specs have been sent to PSC.
☐ Plans and specs have been reviewed by PSC.

Economic, Demographic and Geographic Impacts

Economic Impacts	
Jobs Created:	
Jobs Retained:	

*Demographic Impacts (GIS Census Overlay)			
Serviceable Demographic	Project Area	Included Systems	Included Utilities
Population:	623	12,186	12,181
Households:	279	5,098	5,098
MHI:	\$25,519	\$29,025	*\$29,025
MHI MOE	\$8,118	\$8,282	*\$8,282
MOE as Pct:	32%	29.0%	29.0%
**NSRL:		2	2

Population and household counts are based on 2010 census block values from the SF1 (100%) dataset.

MHI Source is from the American Community Survey 2012-2016 5Yr Estimates (Table B19013) *(for the primary system operated by the above listed beneficiary utilities).

MHI MOE = Med HH Income Margin of Error.

** NSRL (Non-Standard Rate Levels):

0 = Income above Kentucky MHI (KMHI).

1 = Income between 80% KMHI and KMHI.

2 = Income less than or equal to 80% KMHI.

- KMHI = \$44,811

- 80% KHMI = \$35,849

Geographic Impacts For Project Area	
Counties	
Martin	
Legislative Districts	
District Name	Legislator
House 093	Chris Harris
Senate 31	Ray S. Jones II
Congressional 5	Hal Rogers
Groundwater Sensitivity Zones	
HUC 10 Watersheds	
HUC Code	Watershed Name
0507020105	Wolf Creek-Tug Fork
0507020106	Rockcastle Creek-Tug Fork

Geographic Impacts For Included System(s)	
Counties	
Johnson	
Lawrence	
Martin	
Legislative Districts	
District Name	Legislator
House 093	Chris Harris
House 096	Jill York
House 097	Scott Wells
Senate 30	Brandon Smith
Senate 31	Ray S. Jones II
Congressional 5	Hal Rogers

New Customers	
New Residential Customers:	
New Commercial Customers:	
New Institutional Customers:	
New Industrial Customers:	

New or Improved Service		
Service Demographic	Survey Based	Census Overlay*
To Unserved Households:		
To Underserved Households:	1,000	279
To Total Households:	1,000	279
** Cost Per Household:	\$1,200	

* GIS Census block overlay figures are estimates of population and households potentially served by systems and projects based on a proximity analysis of relevant service lines to census block boundaries.



Drinking Water Project Profile

WX21159006 - Martin County Water District
ARC Water System Improvements

** Cost per household is based on surveyed household counts, not GIS overlay values.



Drinking Water Project Profile

WX21159006 - Martin County Water District
ARC Water System Improvements

DW Specific Impacts:

- ☒ This project relates to a public health emergency.
- ☒ This project will assist a non-compliant system to achieve compliance.
- ☐ This project will assist a compliant system to meet future requirements
- ☐ This project will provide assistance not compliance related.
- ☒ This project is necessary to achieve full or partial compliance with a court order, agreed order, or a judicial or administrative consent decree.
- ☐ Primary system has not received any SDWA Notices of Violation within the previous state fiscal year-July through June, i.e. July 2014 – June 2015).

Project Inventory (Mapped Features):

Mapped Point Features							
DOW Permit ID	Count	FeatureType	Purpose	Status	Existing Capacity	Proposed Capacity	Units
KY0800273	1	RADIO METER	WATER EFF - AMR CAPABILITIES	AMR - UPGRADE			EA

Mapped Line Features							
DOW Permit ID	Line Type	Purpose	Activity	Size (in.)	Material	Length (LF)	
KY0800273	WATER LINE: FINISHED	DISTRIBUTION	REHAB - REPLACE UNDERSIZED LINES	6.00	PVC	84,316	
KY0800273	WATER LINE: FINISHED	DISTRIBUTION	REHAB - REPLACE UNDERSIZED LINES	8.00	PVC	9,753	
					Total Length	94,069	

Administrative Components:

- ☒ Planning
- ☒ Design
- ☒ Construction
- ☐ Management

Regionalization Components:

Public Water Systems Eliminated:

- ☐ this project includes the elimination of public water system(s) through merger or acquisition.

Water Treatment Plants Eliminated:

- ☐ This project includes the elimination of water treatment plant(s) through interconnect(s).

Supplementation of Raw Water Supply:

- ☐ This project includes supplementing the existing raw water supply.

Supplementation of Potable Water Supply:

- ☐ This project includes supplementing the existing potable water supply.

Emergency Only Water Supply:

- ☐ This project provides emergency only water supply.

Water Source Protection:



Drinking Water Project Profile

WX21159006 - Martin County Water District
ARC Water System Improvements

- ☐ This project includes land acquisition for water source protection.

Water Treatment Components:

- ☐ This project includes water treatment components

Treatment Activities:

- ☐ This project includes a new water treatment plant.
- ☐ This project includes an expansion of an existing water treatment plant.
- ☐ This project includes rehabilitation of an existing water treatment plant.
- ☐ This project includes upgrades to an existing water treatment plant.
- ☐ This project includes emergency power generators for treatment activities.
- ☐ This project includes redundant treatment processes.

Acute Public Health Risk:

- ☐ This project includes infrastructure options to meet Cryptosporidium removal/inactivation requirements.
- ☐ This project includes infrastructure options to meet CT inactivation requirements.

Chronic Public Health Risk:

- ☐ This project includes treatment modifications to meet the Disinfectants/Disinfection Byproducts Rule at the water treatment plant.
- ☐ This project will provide treatment modifications for VOCs, IOC, SOC, or Radionuclides.

Secondary Contaminants:

- ☐ This project includes treatment modifications to address Secondary Contaminants.

Security:

- ☐ This project includes security components for water treatment facilities.

Water Distribution and Storage:

- ☒ This project includes water distribution and/or storage components.

Water Line Extensions:

- ☐ This project includes water line extension(s).

Redundancy Components:

- ☐ This project includes emergency power generators for distribution and/or storage activities.

Number of units provided: 0

- ☐ This project includes redundant distribution and/or storage processes.



Drinking Water Project Profile

WX21159006 - Martin County Water District
ARC Water System Improvements

Finished Water Quality:

- ☐ This project includes infrastructure to address inadequate water turnover and disinfection byproducts (DBPs).
- ☐ This project includes infrastructure to address inability to maintain disinfection residual.

Water Line Replacement:

- ☒ This project replaces problem water lines (breaks, leaks, or restrictive flows due to age), water lines consisting of lead and/or asbestos-cement (AC), and/or inadequately sized water lines.

Water Storage and Pressure Components:

- ☐ This project includes the construction of new water tank(s).
- ☐ This project includes the replacement of existing water tank(s).
- ☐ This project includes the rehabilitation of existing water tank(s).
- ☐ This project includes the construction of new pump station(s).
- ☐ This project includes new pump stations for boosting pressure .
- ☐ This project includes new pump stations for filling water tanks.
- ☐ This project includes the rehabilitation of existing pump station(s).

Security:

- ☐ This project includes security components for water distribution infrastructure.

Sustainable Infrastructure - Green Infrastructure:

Green stormwater infrastructure includes a wide array of practices at multiple scales that manage wet weather and that maintains and restores natural hydrology by infiltrating, evapotranspiring and harvesting and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains, and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale, green infrastructure consists of site and neighborhood-specific practices, such as:

Component	Cost
<input type="checkbox"/> Bioretention	
<input type="checkbox"/> Trees	
<input type="checkbox"/> Green Roofs	
<input type="checkbox"/> Permeable Pavement	
<input type="checkbox"/> Cisterns	
Total Green Infrastructure Cost:	
\$0	
There are no Green Infrastructure components specified for this project.	



Drinking Water Project Profile

WX21159006 - Martin County Water District
ARC Water System Improvements

Sustainable Infrastructure - Water Efficiency:

The use of improved technologies and practices to deliver equal or better services with less water. Water efficiency encompasses conservation and reuse efforts, as well as water loss reduction and prevention, to protect water resources for the future. Examples include:

Component	Cost
<input type="checkbox"/> Installing or retrofitting water efficient devices such as plumbing fixtures and appliances (toilets, showerheads, urinals).	
<input type="checkbox"/> Installing any type of water meter in previously unmetered areas (can include backflow prevention if in conjunction with meter replacement).	
<input type="checkbox"/> Replacing existing broken/malfunctioning water meters with AMR or smart meters, meters with leak detection, backflow prevention.	
<input type="checkbox"/> Retrofitting/adding AMR capabilities or leak equipment to existing meters.	
<input type="checkbox"/> Conducting water utility audits, leak detection studies, and water use efficiency baseline studies, which are reasonably expected to result in a capital project or in a reduction in demand to alleviate the need for additional capital investment.	
<input type="checkbox"/> Developing conservation plans/programs reasonable expected to result in a water conserving capital project or in a reduction in demand to alleviate the need for capital investment.	
<input type="checkbox"/> Recycling and water reuse projects that replace potable sources with non-potable sources (Gray water, condensate, and wastewater effluent reuse systems, extra treatment or distribution costs associated with water reuse).	
<input type="checkbox"/> Retrofit or replacement of existing landscape irrigation systems to more efficient landscape irrigation systems.	
<input type="checkbox"/> Water meter replacement with traditional water meters.*	
<input checked="" type="checkbox"/> Distribution pipe replacement or rehabilitation to reduce water loss and prevent water main breaks.*	\$675,000
<input type="checkbox"/> Storage tank replacement/rehabilitation to reduce water loss.*	
<input type="checkbox"/> New water efficient landscape irrigation system, where there currently is not one.*	
Total Water Efficiency Cost:	\$675,000

* Indicates a business case may be required for this item.

Existing service lines will be replaced. These lines are a source of water loss.

Sustainable Infrastructure - Energy Efficiency:

Energy efficiency is the use of improved technologies and practices to reduce the energy consumption of water projects, use energy in a more efficient way, and/or produce/utilize renewable energy. Examples include:

Component	Cost
<input type="checkbox"/> Renewable energy projects, which are part of a public health project, such as wind, solar, geothermal, and micro-hydroelectric that provides power to a utility.	
<input type="checkbox"/> Utility-owned or publicly-owned renewable energy projects.	
<input type="checkbox"/> Utility energy management planning, including energy assessments, energy audits, optimization studies, and sub-metering of individual processes to determine high energy use areas.	
<input type="checkbox"/> Energy efficient retrofits, upgrades, or new pumping systems and treatment processes (including variable frequency drives (VFDs)).*	
<input type="checkbox"/> Pump refurbishment to optimize pump efficiency.*	
<input type="checkbox"/> Projects that result from an energy efficient related assessment.*	
<input type="checkbox"/> Projects that cost effectively eliminate pumps or pumping stations.*	
<input type="checkbox"/> Projects that achieve the remaining increments of energy efficiency in a system that is already very efficient.*	
<input type="checkbox"/> Upgrade of lighting to energy efficient sources.*	
<input type="checkbox"/> Automated and remote control systems (SCADA) that achieve substantial energy savings.*	
Total Energy Efficiency Cost:	\$0

* Indicates a business case may be required for this item.

There are no Energy Efficiency components specified for this project.



Drinking Water Project Profile

WX21159006 - Martin County Water District
ARC Water System Improvements

Sustainable Infrastructure - Environmentally Innovative:

Environmentally innovative projects include those that demonstrate new and/or innovative approaches to delivering services or managing water resources in a more sustainable way. Examples include:

Component	Cost
<input type="checkbox"/> Total integrated water resources management planning, or other planning framework where project life cycle costs are minimized, which enables communities to adopt more efficient and cost-effective infrastructure solutions.	
<input type="checkbox"/> Plans to improve water quantity and quality associated with water system technical, financial, and managerial capacity.	
<input type="checkbox"/> Source water protection planning (delineation, monitoring, modeling).	
<input type="checkbox"/> Planning activities to prepare for adaptation to the long-term effects of climate change and/or extreme weather.	
<input type="checkbox"/> Utility sustainability plan consistent with EPA's sustainability policy.	
<input type="checkbox"/> Greenhouse gas inventory or mitigation plan and submission of a GHG inventory to a registry as long as it is being done for an SRF eligible facility.	
<input type="checkbox"/> Construction of US Building Council LEED certified buildings, or renovation of an existing building.	
<input type="checkbox"/> Projects that significantly reduce or eliminate the use of chemicals in water treatment.*	
<input type="checkbox"/> Treatment technologies or approaches that significantly reduce the volume of residuals, minimize the generation of residuals, or lower the amount of chemicals in the residuals.*	
<input type="checkbox"/> Trenchless or low impact construction technology.*	
<input type="checkbox"/> Using recycled materials or re-using materials on-site.*	
<input type="checkbox"/> Educational activities and demonstration projects for water or energy efficiency (such as rain gardens).*	
<input type="checkbox"/> Projects that achieve the goals/objectives of utility asset management plans.*	
Total Environmentally Innovative Cost:	\$0

* Indicates a business case may be required for this item.

There are no Environmentally Innovative components specified for this project.

Sustainable Infrastructure - Asset Management:

If a category is selected, the applicant must provide proof to substantiate claims. The documents must be submitted to Anshu Singh (Anshu.Singh@ky.gov) for CW projects

Component
Last Rate Adjustment Date: 05-20-2018 Download Fee Schedule
Rate Adjustment Age: 0 months
System's monthly water bill, based on 4,000 gallons, as a percentage of MHI: 2.00%
<input type="checkbox"/> The system(s) has a Capital Improvement Plan or similar planning document.
<input type="checkbox"/> The system(s) involved in this project have specifically allocated funds for the rehabilitation and replacement of aging and deteriorating infrastructure.

Project Status: Approved

Date Approved: 12-09-2014

Date Revised: