

Rubin & Hays

ATTORNEYS AT LAW

Kentucky Home Trust Building, 450 South Third Street, Louisville, Kentucky 40202-1410
Telephone (502) 569-7525 Telefax (502) 569-7555 www.rubinhays.com

CHARLES S. MUSSON
W. RANDALL JONES
CHRISTIAN L. JUCKETT
NICHOLAS J. LOCOCO

RECEIVED

November 1, 2019

NOV 01 2019

PUBLIC SERVICE
COMMISSION

Ms. Gwen R. Pinson
Executive Director
Public Service Commission
P.O. Box 615
Frankfort, Kentucky 40602

Re: Cumberland County Water District **PSC Case No. 2019-00377**

Dear Director Pinson:

We are filing herewith the Response to Staff's First Request for Information. Hard copies of the requested information are attached to the Response and we are also enclosing a CD containing the Billing Analysis in PDF and Excel formats, along with the Kentucky Guide 7 Summary Addendum.

If you need any additional information or documentation, please let us know.

Sincerely,

Rubin & Hays

By 
W. Randall Jones

WRJ:ilm
Enclosures

RECEIVED

NOV 01 2019

PUBLIC SERVICE
COMMISSION

COMMONWEALTH OF KENTUCKY

BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION

IN THE MATTER OF:

APPLICATION OF CUMBERLAND COUNTY)
WATER DISTRICT FOR A CERTIFICATE OF)
PUBLIC CONVENIENCE AND NECESSITY TO)
CONSTRUCT A SYSTEM IMPROVEMENTS) CASE NO. 2019-00377
PROJECT AND AN ORDER APPROVING A)
CHANGE IN RATES AND AUTHORIZING)
THE ISSUANCE OF SECURITIES PURSUANT)
TO KRS 278.023)

** *** **** ***** **** *** **

RESPONSE TO STAFF'S FIRST REQUEST FOR INFORMATION

The Applicant, Cumberland County Water District (the "District"), by Counsel, files this Response to the October 28, 2019 Commission Staff's First Request for Information as follows:

Responding Witness: Lee Mudd, P.E., Monarch Engineering, Inc.

Request No. 1. As 807 KAR 5:069, Section 2(6)(c), provides, the proposed rates, if any, shall produce the total revenue requirements recommended in the engineering reports. Provide a copy of the billing analysis in PDF and Excel spreadsheet format showing revenue at current rates and at proposed rates based on actual and forecasted water usage for the existing system for a 12-month period as contained in the Kentucky Guide 7 Summary Addendum that was provided to the United States Department of Agriculture, Rural Development (RD) as referenced in the Revised July, 2017 Preliminary Engineering Report as part of the loan application. The copy provided in Excel spreadsheet format should have formulas intact and unprotected, and all rows and columns fully accessible.


Response No. 1. Attached hereto please find a copy of the requested billing analysis.

Request No. 2. Provide a copy of the Kentucky Guide 7 Summary Addendum that Cumberland District provided to RD as part of the loan application.

Response No. 2. Attached hereto please find a copy of the requested Summary Addendum.


Certification of Response to Commission Staff's First Request for Information

I hereby certify that I have supervised the preparation of Cumberland County Water District's Response to the Commission Staff's First Request for Information. This Response is true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.



Lee Mudd, P.E.
Registered Professional Engineer
State of Kentucky No. 28693
lmudd@monarchengineering.net

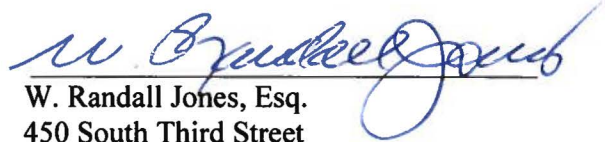
Respectfully Submitted,
Rubin & Hays

By 

W. Randall Jones, Esq.
450 South Third Street
Louisville, Kentucky 40202
Phone: (502) 569-7525
Fax: (502) 569-7555
Counsel for Cumberland County Water
District
wrjones@rubinhays.com

CERTIFICATE OF SERVICE

The undersigned hereby certifies that a copy of the foregoing Response was duly mailed by first class United States Postal Service mail to all parties of record in this proceeding on this 1st day of November, 2019.



W. Randall Jones, Esq.
450 South Third Street
Louisville, Kentucky 40202
Phone: (502) 569-7525
Fax: (502) 569-7555
Counsel for Cumberland County Water
District

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
RESIDENTIAL WATER CUSTOMERS
5/8 x 3/4 - INCH METER**

EXISTING RATE STRUCTURE				
FIRST	2,000	Gallons	\$27.00	Minimum Payment
NEXT	3,000	Gallons	7.50	Per 1000 Gallons
NEXT	5,000	Gallons	6.50	Per 1000 Gallons
OVER	10,000	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	167	0	\$4,509.00
1	to	1,000	Gallons	500	277	138,604	7,479.00
1,000	to	2,000	Gallons	1,500	387	580,500	10,449.00
2,000	to	3,000	Gallons	2,500	352	880,000	10,824.00
3,000	to	4,000	Gallons	3,500	351	1,228,500	13,425.75
4,000	to	5,000	Gallons	4,500	412	1,854,000	18,849.00
5,000	to	6,000	Gallons	5,500	283	1,556,500	14,928.25
6,000	to	7,000	Gallons	6,500	83	539,500	4,917.75
7,000	to	8,000	Gallons	7,500	33	247,500	2,169.75
8,000	to	9,000	Gallons	8,500	23	195,500	1,661.75
9,000	to	10,000	Gallons	9,500	13	123,500	1,023.75
10,000	to	11,000	Gallons	10,500	9	94,500	762.75
11,000	to	12,000	Gallons	11,500	5	57,500	451.25
12,000	to	13,000	Gallons	12,500	6	75,000	574.50
13,000	to	14,000	Gallons	13,500	6	81,000	607.50
14,000	to	15,000	Gallons	14,500	9	130,500	960.75
15,000	to	20,000	Gallons	17,500	4	70,000	493.00
20,000	to	25,000	Gallons	22,500	3	65,846	441.17
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					2,423	7,918,450	\$94,527.92
Annual Totals					29,075	95,021,402	\$1,134,335.04
Monthly Avg/Customer						3,268	\$39.01

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
5/8 x 3/4 - INCH METER**

EXISTING RATE STRUCTURE				
FIRST	2,000	Gallons	\$27.00	Minimum Payment
NEXT	3,000	Gallons	7.50	Per 1000 Gallons
NEXT	5,000	Gallons	6.50	Per 1000 Gallons
OVER	10,000	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	1	0	\$27.00
1	to	1,000	Gallons	500	2	1,001	54.00
1,000	to	2,000	Gallons	1,500	6	9,000	162.00
2,000	to	3,000	Gallons	2,500	4	10,000	123.00
3,000	to	4,000	Gallons	3,500	1	3,500	38.25
4,000	to	5,000	Gallons	4,500	3	13,500	137.25
5,000	to	6,000	Gallons	5,500	2	11,000	105.50
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	3	22,500	197.25
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	1	10,500	84.75
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					23	81,001	\$929.00
Annual Totals					276	972,009	\$11,148.00
Monthly Avg/Customer						3,522	\$40.39

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
RESIDENTIAL WATER CUSTOMERS
1-INCH METER**

EXISTING RATE STRUCTURE				
FIRST	5,000	Gallons	\$49.50	Minimum Payment
NEXT	5,000	Gallons	6.50	Per 1000 Gallons
OVER	10,000	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	2	5,000	99.00
3,000	to	4,000	Gallons	3,500	1	3,500	49.50
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	2	13,000	118.50
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	2	19,000	157.50
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	5	57,500	451.25
12,000	to	13,000	Gallons	12,500	3	37,500	287.25
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	1	22,500	150.75
25,000	to	30,000	Gallons	27,500	1	27,500	178.25
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					17	185,500	\$1,492.00
Annual Totals					204	2,226,000	\$17,904.00
Monthly Avg/Customer						10,912	\$87.76

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
1-INCH METER**

EXISTING RATE STRUCTURE				
FIRST	5,000	Gallons	\$49.50	Minimum Payment
NEXT	5,000	Gallons	6.50	Per 1000 Gallons
OVER	10,000	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	2	11,000	105.50
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	1	7,500	65.75
8,000	to	9,000	Gallons	8,500	2	17,000	144.50
9,000	to	10,000	Gallons	9,500	2	19,000	157.50
10,000	to	11,000	Gallons	10,500	1	10,500	84.75
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	2	55,000	356.50
30,000	to	35,000	Gallons	32,500	1	32,500	205.75
35,000	to	40,000	Gallons	37,500	1	37,500	233.25
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	1	125,000	714.50
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					13	315,000	\$2,068.00
Annual Totals					156	3,780,000	\$24,816.00
Monthly Avg/Customer						24,231	\$159.08

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
1-1/2 - INCH METER**

EXISTING RATE STRUCTURE				
FIRST	12,500	Gallons	\$95.25	Minimum Payment
OVER	12,500	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	1	32,500	205.25
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	2	85,000	520.50
45,000	to	50,000	Gallons	47,500	1	47,500	287.75
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	1	87,500	507.75
100,000	to	150,000	Gallons	125,000	1	125,000	714.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
			Monthly Totals		6	377,500	\$2,235.25
			Annual Totals		72	4,530,000	\$26,823.00
			Monthly Avg/Customer			62,917	\$372.54

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
2-INCH METER**

EXISTING RATE STRUCTURE				
FIRST	25,000	Gallons	\$164.50	Minimum Payment
OVER	25,000	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	1	12,500	164.50
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	1	32,500	205.75
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	2	250,000	1,429.00
150,000	to	200,000	Gallons	175,000	1	175,000	989.50
200,000	to	250,000	Gallons	225,000	1	225,000	1,264.50
250,000	to	500,000	Gallons	375,000	0	0	0.00
500,000	to	750,000	Gallons	625,000	0	0	0.00
Monthly Totals					6	695,000	\$4,053.25
Annual Totals					72	8,340,000	\$48,639.00
Monthly Avg/Customer						115,833	\$675.54

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
DALE HOLLOW STATE PARK**

EXISTING RATE STRUCTURE				
FIRST	300,000	Gallons	\$1,677.00	Minimum Payment
OVER	300,000	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	250,000	Gallons	225,000	0	0	0.00
250,000	to	500,000	Gallons	375,000	1	375,000	2,089.50
500,000	to	750,000	Gallons	625,000	0	0	0.00
Monthly Totals					1	375,000	\$2,089.50
Annual Totals					12	4,500,000	\$25,074.00
Monthly Avg/Customer						375,000	\$2,089.50

**CUMBERLAND COUNTY WATER DISTRICT
PROPOSED WATER RATES
RESIDENTIAL WATER CUSTOMERS
5/8 x 3/4 - INCH METER**

PROPOSED RATE STRUCTURE				
FIRST	2,000	Gallons	\$29.10	Minimum Payment
NEXT	3,000	Gallons	7.70	Per 1000 Gallons
NEXT	5,000	Gallons	6.70	Per 1000 Gallons
OVER	10,000	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	167	0	\$4,859.70
1	to	1,000	Gallons	500	277	138,604	8,060.70
1,000	to	2,000	Gallons	1,500	387	580,500	11,261.70
2,000	to	3,000	Gallons	2,500	352	880,000	11,598.40
3,000	to	4,000	Gallons	3,500	351	1,228,500	14,268.15
4,000	to	5,000	Gallons	4,500	412	1,854,000	19,920.20
5,000	to	6,000	Gallons	5,500	283	1,556,500	15,720.65
6,000	to	7,000	Gallons	6,500	83	539,500	5,166.75
7,000	to	8,000	Gallons	7,500	33	247,500	2,275.35
8,000	to	9,000	Gallons	8,500	23	195,500	1,739.95
9,000	to	10,000	Gallons	9,500	13	123,500	1,070.55
10,000	to	11,000	Gallons	10,500	9	94,500	796.95
11,000	to	12,000	Gallons	11,500	5	57,500	471.25
12,000	to	13,000	Gallons	12,500	6	75,000	599.70
13,000	to	14,000	Gallons	13,500	6	81,000	633.90
14,000	to	15,000	Gallons	14,500	9	130,500	1,002.15
15,000	to	20,000	Gallons	17,500	4	70,000	513.80
20,000	to	25,000	Gallons	22,500	3	65,846	459.31
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					2,423	7,918,450	\$100,419.16
Annual Totals					29,075	95,021,402	\$1,205,029.97
Monthly Avg/Customer					2,423	3,268	\$41.45

**CUMBERLAND COUNTY WATER DISTRICT
PROPOSED WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
5/8 x 3/4 - INCH METER**

PROPOSED RATE STRUCTURE				
FIRST	2,000	Gallons	\$29.10	Minimum Payment
NEXT	3,000	Gallons	7.70	Per 1000 Gallons
NEXT	5,000	Gallons	6.70	Per 1000 Gallons
OVER	10,000	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	1	0	\$29.10
1	to	1,000	Gallons	500	2	1,001	58.20
1,000	to	2,000	Gallons	1,500	6	9,000	174.60
2,000	to	3,000	Gallons	2,500	4	10,000	131.80
3,000	to	4,000	Gallons	3,500	1	3,500	40.65
4,000	to	5,000	Gallons	4,500	3	13,500	145.05
5,000	to	6,000	Gallons	5,500	2	11,000	111.10
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	3	22,500	206.85
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	1	10,500	88.55
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					23	81,001	\$985.90
Annual Totals					276	972,009	\$11,830.80
Monthly Avg/Customer						3,522	\$42.87

**CUMBERLAND COUNTY WATER DISTRICT
PROPOSED WATER RATES
RESIDENTIAL WATER CUSTOMERS
1-INCH METER**

PROPOSED RATE STRUCTURE				
FIRST	5,000	Gallons	\$52.20	Minimum Payment
NEXT	5,000	Gallons	6.70	Per 1000 Gallons
OVER	10,000	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	2	5,000	104.40
3,000	to	4,000	Gallons	3,500	1	3,500	52.20
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	2	13,000	124.50
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	2	19,000	164.70
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	5	57,500	471.25
12,000	to	13,000	Gallons	12,500	3	37,500	299.85
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	1	22,500	156.95
25,000	to	30,000	Gallons	27,500	1	27,500	185.45
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					17	185,500	\$1,559.30
Annual Totals					204	2,226,000	\$18,711.60
Monthly Avg/Customer					10,912	\$91.72	

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
1-INCH METER**

PROPOSED RATE STRUCTURE				
FIRST	5,000	Gallons	\$52.20	Minimum Payment
NEXT	5,000	Gallons	6.70	Per 1000 Gallons
OVER	10,000	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	2	11,000	111.10
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	1	7,500	68.95
8,000	to	9,000	Gallons	8,500	2	17,000	151.30
9,000	to	10,000	Gallons	9,500	2	19,000	164.70
10,000	to	11,000	Gallons	10,500	1	10,500	88.55
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	2	55,000	370.90
30,000	to	35,000	Gallons	32,500	1	32,500	213.95
35,000	to	40,000	Gallons	37,500	1	37,500	242.45
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	1	125,000	741.20
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					13	315,000	\$2,153.10
Annual Totals					156	3,780,000	\$25,837.20
Monthly Avg/Customer					█	24,231	\$165.62

**CUMBERLAND COUNTY WATER DISTRICT
PROPOSED WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
1-1/2 - INCH METER**

PROPOSED RATE STRUCTURE				
FIRST	12,500	Gallons	\$99.95	Minimum Payment
OVER	12,500	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	1	32,500	213.95
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	2	85,000	541.90
45,000	to	50,000	Gallons	47,500	1	47,500	299.45
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	1	87,500	527.45
100,000	to	150,000	Gallons	125,000	1	125,000	741.20
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					6	377,500	\$2,323.95
Annual Totals					72	4,530,000	\$27,887.40
Monthly Avg/Customer						62,917	\$387.33

**CUMBERLAND COUNTY WATER DISTRICT
PROPOSED WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
2-INCH METER**

PROPOSED RATE STRUCTURE				
FIRST	25,000	Gallons	\$171.20	Minimum Payment
OVER	25,000	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	1	12,500	171.20
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	1	32,500	213.95
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	2	250,000	1,482.40
150,000	to	200,000	Gallons	175,000	1	175,000	1,026.20
200,000	to	250,000	Gallons	225,000	1	225,000	1,311.20
250,000	to	500,000	Gallons	375,000	0	0	0.00
500,000	to	750,000	Gallons	625,000	0	0	0.00
Monthly Totals					6	695,000	\$4,204.95
Annual Totals					72	8,340,000	\$50,459.40
Monthly Avg/Customer					115,833	115,833	\$700.83

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
DALE HOLLOW STATE PARK**

PROPOSED RATE STRUCTURE				
FIRST	300,000	Gallons	\$1,738.70	Minimum Payment
OVER	300,000	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	250,000	Gallons	225,000	0	0	0.00
250,000	to	500,000	Gallons	375,000	1	375,000	2,166.20
500,000	to	750,000	Gallons	625,000	0	0	0.00
Monthly Totals					1	375,000	\$2,166.20
Annual Totals					12	4,500,000	\$25,994.40
Monthly Avg/Customer						375,000	\$2,166.20

**SUMMARY ADDENDUM
TO THE
PRELIMINARY ENGINEERING REPORT
FOR THE
CUMBERLAND COUNTY WATER DISTRICT
CUMBERLAND COUNTY, KENTUCKY**

**KENTUCKY HIGHWAY 704
WATER SYSTEM IMPROVEMENTS**

DECEMBER 2017



SUMMARY ADDENDUM

TO

PRELIMINARY ENGINEERING REPORT

DATED DECEMBER 2017

FOR

CUMBERLAND COUNTY WATER DISTRICT
SULPHUR CREEK ROAD WATER SYSTEM IMPROVEMENTS

APPLICANT CONTACT PERSON Matthew Dyer

APPLICANT PHONE NUMBER (270) 864-3133

APPLICANT TAX IDENTIFICATION NUMBER 

ITEMS IN BOLD ITALIC PRINT ARE APPLICABLE TO SEWER SYSTEMS.

In order to avoid unnecessary delays in the application processing, the applicant and its consulting engineer should prepare a summary of the preliminary report in accordance with this Guide.

Please complete the applicable sections of the Summary Addendum. ***Please note, if water and sewer revenue will both be taken as security for the loan, all user information and characteristics of both utility systems will be needed even though the project will benefit only one utility.***

Feasibility reviews and grant determinations may be processed more accurately and more rapidly if the Summary Addendum is submitted simultaneously with the Preliminary Engineering Report, or as soon thereafter as possible.

I. GENERAL

A. Proposed Project: Provide a brief description of the proposed project. In addition to this summary, the applicant/engineer should submit a project map of the service area.

The project proposes the replacement of 13,800 linear feet of deteriorating 6-inch water line and appurtenances adjacent to Kentucky Highway 704 (Crocus Creek Road) with new 6-inch PVC. In addition, a new master meter vault will be installed. The project will improve service to approximately 90 existing customers in total, with 18 of those being connected directly to the line to be replaced.

The total construction cost has been estimated to be \$585,000 with a corresponding total project cost of \$800,000. Project financing is being requested through the U.S.D.A. Rural Development program. The District is requesting loan funds of \$560,000 and matching grant funds of \$240,000 to complete this important project.

II. FACILITY CHARACTERISTICS OF THE EXISTING SEWER SYSTEM : N/A

A. *Sewage Treatment*

1. *Type:* _____ - _____

2. *Method of Disposal:* _____ - _____

3. *Cost per 1,000 gallons if sewage is contracted:*
\$ _____

4. *Date Constructed:* _____

B. *Treatment Capacity of Sewage Treatment Plant:* _____ - _____

C. *Type of Sewage Collector System (Describe):* _____ - _____

D. *Number and Capacity of Sewage Lift Stations:* _____ - _____

E. *Sewage Collection System:*

Lineal Feet of Collector Lines, by size: 6" _____ - _____ 8" _____ - _____

10" _____ - _____ 12" _____ - _____ *Larger* _____ - _____

F. *Conditions of the Existing System: Briefly describe the conditions and suitability for the continued use of the facility now owned by the applicant. Include any major renovation that will be needed within five to ten years.*

III. FACILITY CHARACTERISTICS OF EXISTING WATER SYSTEM

- A. Water Source: Describe adequacy of source (quality and quantity). Include an explanation of raw water source, raw water intake structure, treatment plant capacity, and current level of production (WTP). Also, describe the adequacy of the Water Purchase Contract if applicable.

As of January 1, 2012 the District ceased operation of its water treatment plant permanently. The District's system is now supplied wholesale water for resale by the City of Burkesville and the City of Albany. Both suppliers have raw water sources of excellent quality and excess capacity. With the sources being the Cumberland River and Lake Cumberland, respectively. The Water Purchase Contracts with both suppliers have been recently updated and at present the Company does not exceed any of the contracted amounts.

If the applicant purchases water:

Seller:

1. City of Burkesville
2. City of Albany

Price/1,000 gallons:

1. \$2.21
2. \$2.10

Present Estimated Market Value of Existing System \$ 10,500,000

- B. Water Storage:

Type: Ground Storage Tank 1 Elevated Tank 3 Standpipe 1

Number of Storage Structures 5

Total Storage Volume Capacity 650,000

Date Storage Tanks Constructed 1970's - 2014

- C. Water Distribution System:

Pipe Material PVC, Ductile Iron, and Asbestos Cement (AC)

Lineal Feet of Pipe:	2" <u>62,568</u>	3" <u>356,400</u>
	4" <u>593,260</u>	6" <u>367,910</u>
	8" <u>108,504</u>	12" <u>-</u>

Dates Water Lines Constructed 1960's - present

Number and Capacity of Pump Stations 5@ <50 gpm, 1@ 100 gpm,
3@ 150 gpm, 1@ 500 gpm

D. Condition of Existing Water System:

Briefly describe the condition and suitability for continued use of facility now owned by the applicant. Include any major renovation that will be needed within five to ten years.

The majority of the existing water system is in good condition and is not subject to excess loss. However, there are portions of the system, where lines are of substandard construction and are subject to frequent breaks and leaks. These areas contribute greatly to the systems excessively high water loss and need to be replaced as soon as possible. One of these areas (Sulphur Creek Road) is being addressed through a project which is currently under construction. The other primary area (Kentucky Highway 704) is planned to be replaced as part of this project.

E. Percentage of Water Loss Existing System 30.55%

IV. EXISTING LONG-TERM INDEBTEDNESS

A. *List of Bonds and Notes: *as of January 2017*

Date of Issue	Bond/Note Holder	Principal Balance	Payment Date	Bond Type Water/Sewer*	Amount on Deposit in Reserve Account
19 78	Issue RD SERIES B	\$ 5,251		100%	
19 86	Issue RD SERIES C	\$ 132,735		100%	
19 87	Issue RD SERIES D	\$ 52,644		100%	
19 88	Issue RD SERIES E	\$ 42,990		100%	
19 85	Issue RD SERIES F	\$ 131,809		100%	
19 91	Issue RD SERIES G	\$ 41,500		100%	
19 94	Issue RD SERIES H	\$ 99,000		100%	
19 94	Issue RD SERIES I	\$ 86,264		100%	
19 96	Issue RD	\$ 182,900		100%	
20 00	Issue RD	\$ 329,000		100%	
20 05	Issue RD	\$ 405,500		100%	
20 05	Issue KRWFC	\$ 77,000		100%	
20 09	Issue RD	\$ 390,000		100%	
20 11	Issue RD	\$ 967,000		100%	
20 14	Issue RD	\$ 479,500		100%	
20 15	Issue KIA	\$ 866,991		100%	
20 17	Issue RD	\$ 700,000		100%	
20 18	Issue RD	\$ 560,000		100%	

* If a combined issue, show attributable portion to each system.

B. Principal and Interest Payments: (Begin with Next Fiscal Year Payment)

Date of Issue	Bond/Note Holder	Payment Year 2019		Payment Year 2020		Payment Year 2021	
		Principal Payment	Interest Payment	Principal Payment	Interest Payment	Principal Payment	Interest Payment
19 78	RD	0	0	0	0	0	0
19 86	RD	13,272	5,403	13,935	4,739	14,632	4,043
19 87	RD	4,614	2,203	4,845	1,972	5,087	1,730
19 88	RD	3,336	1,839	3,503	1,673	3,678	1,497
19 85	RD	15,218	5,176	15,979	4,415	16,778	3,616
19 91	RD	2,500	1,825	3,000	1,700	3,000	1,550
19 94	RD	4,500	4,095	4,500	3,893	5,000	3,690
19 94	RD	3,807	3,561	3,979	3,390	4,158	3,211
19 96	RD	6,400	7,695	6,700	7,407	6,900	7,106
20 00	RD	8,000	14,130	8,500	13,770	8,500	13,388
20 05	RD	7,500	16,618	8,000	16,299	8,500	15,959
20 05	KRWFC	4,000	3,145	4,000	2,984	4,000	2,819
20 09	RD	6,000	16,086	6,500	15,831	6,500	15,555
20 11	RD	13,000	42,413	13,500	41,828	14,000	41,220
20 13	RD	8,000	10,440	8,500	10,260	8,500	10,069
20 15	KIA	42,075	7,733	42,391	7,311	42,710	6,886
20 17	RD	0	13,125	12,800	13,125	13,100	12,885
20 18	RD	0	14,000	0	14,000	9,000	14,000

V. EXISTING SHORT TERM INDEBTEDNESS

A. List of All Short Term Debts: (Do not show any debt listed in paragraph IV above)

Lender or Lessor	Date of Issue (Month & Year)	Principal Balance	Purpose (Water/ Sewer)	Payment Date	Principal & Interest Payment	Date to be Paid in Full
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

VI. LAND AND RIGHT-EXISTING SYSTEM

Number of Treatment Plant Sites	Water <u>0</u>	Sewer <u>N/A</u>
Number of Storage Tank Sites	Water <u>5</u>	Sewer <u>N/A</u>
Number of Pump Stations	Water <u>10</u>	Sewer <u>N/A</u>
Total Acreage	Water <u>4 Ac.</u>	Sewer <u>Ac.</u>
Purchase Price	Water <u>Unknown</u>	Sewer <u>N/A</u>

VII. NUMBER OF EXISTING USERS

	Water	Sewer
Residential (In Town) *	_____	<u>N/A</u>
Residential (Out of Town) *	<u>2,440</u>	<u>N/A</u>
Non-Residential (In Town)	_____	<u>N/A</u>
Non-Residential (Out of Town)	<u>49</u>	<u>N/A</u>
Total	<u>2,489</u>	<u>N/A</u>
Number of Total Potential Users Living in the Service Area	<u>2,550</u>	<u>N/A</u>

* Note: Residential Users: Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residence.

VIII. CURRENT WATER AND SEWER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION

<u>Meter Size</u>	<u>Water Connection Fee</u>	<u>Sewer Connection Fee</u>
<u>3/4"</u>	<u>\$725.00</u>	<u>N/A</u>
<u>1-Inch</u>	<u>ACTUAL</u>	<u>N/A</u>
<u>1-1/2-Inch</u>	<u>ACTUAL</u>	<u>N/A</u>
<u>2-Inch</u>	<u>ACTUAL</u>	<u>N/A</u>

IX. SEWER RATES-EXISTING SYSTEM : N/A

Existing Rate Schedule: RESIDENTIAL & NON-RESIDENTIAL

First _____ *Gallons @ \$* _____ *Minimum*

All Over _____ *Gallons @ \$* _____ *Per 1,000 Gallons*

Date This Rate Went Into Effect _____

X. WATER RATES-EXISTING SYSTEM

Existing Rate Schedule: 5/8 x 3/4-Inch (Residential and Non-Residential)

First	<u>2,000</u>	Gallons @ \$	<u>\$27.00</u>	Minimum
Next	<u>3,000</u>	Gallons @ \$	<u>7.50</u>	Per 1,000 Gallons
Next	<u>5,000</u>	Gallons @ \$	<u>6.50</u>	Per 1,000 Gallons
All Over	<u>10,000</u>	Gallons @ \$	<u>5.50</u>	Per 1,000 Gallons

Existing Rate Schedule: 1-Inch (Residential and Non-Residential)

First	<u>5,000</u>	Gallons @ \$	<u>\$49.50</u>	Minimum
Next	<u>5,000</u>	Gallons @ \$	<u>6.50</u>	Per 1,000 Gallons
All Over	<u>10,000</u>	Gallons @ \$	<u>5.50</u>	Per 1,000 Gallons

Existing Rate Schedule: 1-1/2-Inch (Non-Residential)

First	<u>12,500</u>	Gallons @ \$	<u>\$95.25</u>	Minimum
All Over	<u>12,500</u>	Gallons @ \$	<u>5.50</u>	Per 1,000 Gallons

Existing Rate Schedule: 2-Inch (Non-Residential)

First	<u>25,000</u>	Gallons @ \$	<u>\$164.50</u>	Minimum
All Over	<u>25,000</u>	Gallons @ \$	<u>5.50</u>	Per 1,000 Gallons

Existing Rate Schedule: Dale Hollow State Park

First	<u>300,000</u>	Gallons @ \$	<u>\$1,677.00</u>	Minimum
All Over	<u>300,000</u>	Gallons @ \$	<u>5.50</u>	Per 1,000 Gallons

Date These Rates Went Into Effect

May 2013

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
RESIDENTIAL WATER CUSTOMERS
5/8 x 3/4 - INCH METER**

EXISTING RATE STRUCTURE				
FIRST	2,000	Gallons	\$27.00	Minimum Payment
NEXT	3,000	Gallons	7.50	Per 1000 Gallons
NEXT	5,000	Gallons	6.50	Per 1000 Gallons
OVER	10,000	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	167	0	\$4,509.00
1	to	1,000	Gallons	500	277	138,604	7,479.00
1,000	to	2,000	Gallons	1,500	387	580,500	10,449.00
2,000	to	3,000	Gallons	2,500	352	880,000	10,824.00
3,000	to	4,000	Gallons	3,500	351	1,228,500	13,425.75
4,000	to	5,000	Gallons	4,500	412	1,854,000	18,849.00
5,000	to	6,000	Gallons	5,500	283	1,556,500	14,928.25
6,000	to	7,000	Gallons	6,500	83	539,500	4,917.75
7,000	to	8,000	Gallons	7,500	33	247,500	2,169.75
8,000	to	9,000	Gallons	8,500	23	195,500	1,661.75
9,000	to	10,000	Gallons	9,500	13	123,500	1,023.75
10,000	to	11,000	Gallons	10,500	9	94,500	762.75
11,000	to	12,000	Gallons	11,500	5	57,500	451.25
12,000	to	13,000	Gallons	12,500	6	75,000	574.50
13,000	to	14,000	Gallons	13,500	6	81,000	607.50
14,000	to	15,000	Gallons	14,500	9	130,500	960.75
15,000	to	20,000	Gallons	17,500	4	70,000	493.00
20,000	to	25,000	Gallons	22,500	3	65,846	441.17
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					2,423	7,918,450	\$94,527.92
Annual Totals					29,075	95,021,402	\$1,134,335.04
Monthly Avg/Customer						3,268	\$39.01

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
5/8 x 3/4 - INCH METER**

EXISTING RATE STRUCTURE				
FIRST	2,000	Gallons	\$27.00	Minimum Payment
NEXT	3,000	Gallons	7.50	Per 1000 Gallons
NEXT	5,000	Gallons	6.50	Per 1000 Gallons
OVER	10,000	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	1	0	\$27.00
1	to	1,000	Gallons	500	2	1,001	54.00
1,000	to	2,000	Gallons	1,500	6	9,000	162.00
2,000	to	3,000	Gallons	2,500	4	10,000	123.00
3,000	to	4,000	Gallons	3,500	1	3,500	38.25
4,000	to	5,000	Gallons	4,500	3	13,500	137.25
5,000	to	6,000	Gallons	5,500	2	11,000	105.50
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	3	22,500	197.25
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	1	10,500	84.75
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					23	81,001	\$929.00
Annual Totals					276	972,009	\$11,148.00
Monthly Avg/Customer						3,522	\$40.39

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
RESIDENTIAL WATER CUSTOMERS
1-INCH METER**

EXISTING RATE STRUCTURE				
FIRST	5,000	Gallons	\$49.50	Minimum Payment
NEXT	5,000	Gallons	6.50	Per 1000 Gallons
OVER	10,000	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	2	5,000	99.00
3,000	to	4,000	Gallons	3,500	1	3,500	49.50
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	2	13,000	118.50
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	2	19,000	157.50
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	5	57,500	451.25
12,000	to	13,000	Gallons	12,500	3	37,500	287.25
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	1	22,500	150.75
25,000	to	30,000	Gallons	27,500	1	27,500	178.25
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					17	185,500	\$1,492.00
Annual Totals					204	2,226,000	\$17,904.00
Monthly Avg/Customer						10,912	\$87.76

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
1-INCH METER**

EXISTING RATE STRUCTURE				
FIRST	5,000	Gallons	\$49.50	Minimum Payment
NEXT	5,000	Gallons	6.50	Per 1000 Gallons
OVER	10,000	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	2	11,000	105.50
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	1	7,500	65.75
8,000	to	9,000	Gallons	8,500	2	17,000	144.50
9,000	to	10,000	Gallons	9,500	2	19,000	157.50
10,000	to	11,000	Gallons	10,500	1	10,500	84.75
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	2	55,000	356.50
30,000	to	35,000	Gallons	32,500	1	32,500	205.75
35,000	to	40,000	Gallons	37,500	1	37,500	233.25
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	1	125,000	714.50
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					13	315,000	\$2,068.00
Annual Totals					156	3,780,000	\$24,816.00
Monthly Avg/Customer						24,231	\$159.08

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
1-1/2 - INCH METER**

EXISTING RATE STRUCTURE				
FIRST	12,500	Gallons	\$95.25	Minimum Payment
OVER	12,500	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	1	32,500	205.25
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	2	85,000	520.50
45,000	to	50,000	Gallons	47,500	1	47,500	287.75
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	1	87,500	507.75
100,000	to	150,000	Gallons	125,000	1	125,000	714.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					6	377,500	\$2,235.25
Annual Totals					72	4,530,000	\$26,823.00
Monthly Avg/Customer						62,917	\$372.54

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
2-INCH METER**

EXISTING RATE STRUCTURE				
FIRST	25,000	Gallons	\$164.50	Minimum Payment
OVER	25,000	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	1	12,500	164.50
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	1	32,500	205.75
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	2	250,000	1,429.00
150,000	to	200,000	Gallons	175,000	1	175,000	989.50
200,000	to	250,000	Gallons	225,000	1	225,000	1,264.50
250,000	to	500,000	Gallons	375,000	0	0	0.00
500,000	to	750,000	Gallons	625,000	0	0	0.00
Monthly Totals					6	695,000	\$4,053.25
Annual Totals					72	8,340,000	\$48,639.00
Monthly Avg/Customer						115,833	\$675.54

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
DALE HOLLOW STATE PARK**

EXISTING RATE STRUCTURE				
FIRST	300,000	Gallons	\$1,677.00	Minimum Payment
OVER	300,000	Gallons	5.50	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	250,000	Gallons	225,000	0	0	0.00
250,000	to	500,000	Gallons	375,000	1	375,000	2,089.50
500,000	to	750,000	Gallons	625,000	0	0	0.00
Monthly Totals					1	375,000	\$2,089.50
Annual Totals					12	4,500,000	\$25,074.00
Monthly Avg/Customer						375,000	\$2,089.50

XI. FACILITY CHARACTERISTICS OF PROPOSED SEWER SYSTEM : N/A

A. Sewage Treatment

1. Type _____

2. Method of Sludge Disposal _____

3. Cost per 1,000 gallons if sewage treatment is contracted:

\$ _____

B. Treatment Capacity of Sewage Treatment Plant _____

C. Type of Sewage Collector System (Describe) _____

D. Number and Capacity of Lift Stations _____

E. Sewage Collection System:

Lineal Feet of Collector Lines, by size 6" _____ 8" _____

10" _____ 12" _____ Larger _____

Lineal Feet of Force Main, by size 4" _____ 6" _____

XII. LAND AND RIGHTS-PROPOSED SEWER SYSTEM N/A

Number of Treatment Plant Sites _____

Number of Pump Sites _____

Number of Other Sites _____

Total Acreage _____

Purchase Price _____

XIII. FACILITY CHARACTERISTICS OF PROPOSED WATER SYSTEM

A. Water Source: Describe adequacy of source (quality and quantity). Include an explanation of raw water source, raw water intake structure, treatment plant capacity, and current level of production (WTP). Also describe the adequacy of Water Purchase Contract if applicable.

B. Water Storage:

Type: Ground Storage Tank	_____ - _____	Elevated Tank	_____ - _____	
	Standpipe	_____ - _____	Other	_____ - _____
Number of Storage Structures	_____ - _____			
Total Storage Volume Capacity	_____ - _____			

C. Water Distribution System:

Pipe Material PVC SDR-17

Lineal Feet of Pipe:	2" _____ - _____	3" _____ - _____	200
	4" _____ - _____	6" _____ - _____	13,800
	8" _____ - _____	12" _____ - _____	-
Number and Capacity of Pump Station(s)	_____ - _____		

XIV. LAND AND RIGHTS-PROPOSED SYSTEM

Number of Treatment Plant Sites	_____ - _____
Number of Pump Sites	_____ - _____
Number of Other Sites	_____ - _____
Total Acreage	_____ - _____
Purchase Price	_____ - _____

XV. NUMBER OF NEW SEWER USERS: N/A

<i>Residential (In Town) *</i>	_____
<i>Residential (Out of Town) *</i>	_____
<i>Non-Residential (In Town)</i>	_____
<i>Non-Residential (Out of Town)</i>	_____
<i>Total</i>	_____
<i>Number of Total Potential Users Living in the Service Area</i>	_____

** Note: Residential Users: Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residences.*

XVI. PROPOSED SEWER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION : N/A

<u><i>Meter Size</i></u>	<u><i>Connection Fee</i></u>
<u><i>5/8" x 3/4"</i></u>	_____
<u><i>1-Inch</i></u>	_____
<u><i>1-1/2-Inch</i></u>	_____
<u><i>2-Inch</i></u>	_____
<u><i>3-inch</i></u>	_____

XVII. NUMBER OF NEW WATER USERS

Residential (In Town) *	<u>0</u>
Residential (Out of Town) *	<u>0</u>
Non-Residential (In Town)	<u>0</u>
Non-Residential (Out of Town)	<u>0</u>
Total	<u>0</u>
Number of Total Potential Users Living in the Service Area	<u>0</u>

* Note: Residential Users: Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residences.

XVIII. PROPOSED WATER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION

<u>Meter Size</u>	<u>Connection Fee</u>
<u>3/4"</u>	<u>\$725.00</u>
<u>1-Inch</u>	<u>ACTUAL</u>
<u>1-1/2-Inch</u>	<u>ACTUAL</u>
<u>2-Inch</u>	<u>ACTUAL</u>

XIX. SEWER RATES-PROPOSED : N/A

A. *Proposed Rate Schedule without RUS Grant: Residential & Non-residential*

First _____ *Gallons @ \$* _____ *Minimum*

All Over _____ *Gallons @ \$* _____ *Per 1,000 Gallons*

The above proposed rate, without RUS grant, must be completed for each grant. If the applicant/engineer desires, there is no obligation to recommending a proposed rate with an estimated RUS grant in the Table below. However, the preparer should remember that the Table (A) above must be completed prior to Table (B).

B. *Proposed Rate Schedule with RUS Grant: Residential & Non-residential*

First _____ *Gallons @ \$* _____ *Minimum*

All Over _____ *Gallons @ \$* _____ *Per 1,000 Gallons*

XX. WATER RATES-PROPOSED SYSTEM

A. Proposed Rate Schedule without RUS Grant:

First	<u>2,000</u>	Gallons @ \$	<u>\$29.43</u>	Minimum
Next	<u>3,000</u>	Gallons @ \$	<u>7.70</u>	Per 1,000 Gallons
Next	<u>5,000</u>	Gallons @ \$	<u>6.70</u>	Per 1,000 Gallons
All Over	<u>10,000</u>	Gallons @ \$	<u>5.70</u>	Per 1,000 Gallons

The above proposed rate, without RUS grant, must be completed for each grant. If the applicant/engineer desires, there is no obligation to recommending a proposed rate with an estimated RUS grant in the Table below. However, the preparer should remember that the Table (A) above must be completed prior to Table (B).

B. Recommended Rate Schedule with RUS Grant:

Proposed Rate Schedule: 5/8 x 3/4-Inch (Residential and Non-Residential)

First	<u>2,000</u>	Gallons @ \$	<u>\$29.10</u>	Minimum
Next	<u>3,000</u>	Gallons @ \$	<u>7.70</u>	Per 1,000 Gallons
Next	<u>5,000</u>	Gallons @ \$	<u>6.70</u>	Per 1,000 Gallons
All Over	<u>10,000</u>	Gallons @ \$	<u>5.70</u>	Per 1,000 Gallons

Proposed Rate Schedule: 1-Inch (Residential and Non-Residential)

First	<u>5,000</u>	Gallons @ \$	<u>\$52.20</u>	Minimum
Next	<u>5,000</u>	Gallons @ \$	<u>6.70</u>	Per 1,000 Gallons
All Over	<u>10,000</u>	Gallons @ \$	<u>5.70</u>	Per 1,000 Gallons

Proposed Rate Schedule: 1-1/2-Inch (Non-Residential)

First	<u>12,500</u>	Gallons @ \$	<u>\$99.95</u>	Minimum
All Over	<u>12,500</u>	Gallons @ \$	<u>5.70</u>	Per 1,000 Gallons

Proposed Rate Schedule: 2-Inch (Non-Residential)

First	<u>25,000</u>	Gallons @ \$	<u>171.20</u>	Minimum
All Over	<u>25,000</u>	Gallons @ \$	<u>5.70</u>	Per 1,000 Gallons

Proposed Rate Schedule: Dale Hollow State Park

First	<u>300,000</u>	Gallons @ \$	<u>1,738.70</u>	Minimum
All Over	<u>300,000</u>	Gallons @ \$	<u>5.70</u>	Per 1,000 Gallons

**CUMBERLAND COUNTY WATER DISTRICT
PROPOSED WATER RATES
RESIDENTIAL WATER CUSTOMERS
5/8 x 3/4 - INCH METER**

PROPOSED RATE STRUCTURE				
FIRST	2,000	Gallons	\$29.10	Minimum Payment
NEXT	3,000	Gallons	7.70	Per 1000 Gallons
NEXT	5,000	Gallons	6.70	Per 1000 Gallons
OVER	10,000	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	167	0	\$4,859.70
1	to	1,000	Gallons	500	277	138,604	8,060.70
1,000	to	2,000	Gallons	1,500	387	580,500	11,261.70
2,000	to	3,000	Gallons	2,500	352	880,000	11,598.40
3,000	to	4,000	Gallons	3,500	351	1,228,500	14,268.15
4,000	to	5,000	Gallons	4,500	412	1,854,000	19,920.20
5,000	to	6,000	Gallons	5,500	283	1,556,500	15,720.65
6,000	to	7,000	Gallons	6,500	83	539,500	5,166.75
7,000	to	8,000	Gallons	7,500	33	247,500	2,275.35
8,000	to	9,000	Gallons	8,500	23	195,500	1,739.95
9,000	to	10,000	Gallons	9,500	13	123,500	1,070.55
10,000	to	11,000	Gallons	10,500	9	94,500	796.95
11,000	to	12,000	Gallons	11,500	5	57,500	471.25
12,000	to	13,000	Gallons	12,500	6	75,000	599.70
13,000	to	14,000	Gallons	13,500	6	81,000	633.90
14,000	to	15,000	Gallons	14,500	9	130,500	1,002.15
15,000	to	20,000	Gallons	17,500	4	70,000	513.80
20,000	to	25,000	Gallons	22,500	3	65,846	459.31
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					2,423	7,918,450	\$100,419.16
Annual Totals					29,075	95,021,402	\$1,205,029.97
Monthly Avg/Customer					3,268	3,268	\$41.45

**CUMBERLAND COUNTY WATER DISTRICT
PROPOSED WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
5/8 x 3/4 - INCH METER**

PROPOSED RATE STRUCTURE				
FIRST	2,000	Gallons	\$29.10	Minimum Payment
NEXT	3,000	Gallons	7.70	Per 1000 Gallons
NEXT	5,000	Gallons	6.70	Per 1000 Gallons
OVER	10,000	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	1	0	\$29.10
1	to	1,000	Gallons	500	2	1,001	58.20
1,000	to	2,000	Gallons	1,500	6	9,000	174.60
2,000	to	3,000	Gallons	2,500	4	10,000	131.80
3,000	to	4,000	Gallons	3,500	1	3,500	40.65
4,000	to	5,000	Gallons	4,500	3	13,500	145.05
5,000	to	6,000	Gallons	5,500	2	11,000	111.10
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	3	22,500	206.85
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	1	10,500	88.55
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					23	81,001	\$985.90
Annual Totals					276	972,009	\$11,830.80
Monthly Avg/Customer						3,522	\$42.87

**CUMBERLAND COUNTY WATER DISTRICT
PROPOSED WATER RATES
RESIDENTIAL WATER CUSTOMERS
1-INCH METER**

PROPOSED RATE STRUCTURE				
FIRST	5,000	Gallons	\$52.20	Minimum Payment
NEXT	5,000	Gallons	6.70	Per 1000 Gallons
OVER	10,000	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	2	5,000	104.40
3,000	to	4,000	Gallons	3,500	1	3,500	52.20
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	2	13,000	124.50
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	2	19,000	164.70
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	5	57,500	471.25
12,000	to	13,000	Gallons	12,500	3	37,500	299.85
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	1	22,500	156.95
25,000	to	30,000	Gallons	27,500	1	27,500	185.45
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					17	185,500	\$1,559.30
Annual Totals					204	2,226,000	\$18,711.60
Monthly Avg/Customer						10,912	\$91.72

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
1-INCH METER**

PROPOSED RATE STRUCTURE				
FIRST	5,000	Gallons	\$52.20	Minimum Payment
NEXT	5,000	Gallons	6.70	Per 1000 Gallons
OVER	10,000	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	2	11,000	111.10
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	1	7,500	68.95
8,000	to	9,000	Gallons	8,500	2	17,000	151.30
9,000	to	10,000	Gallons	9,500	2	19,000	164.70
10,000	to	11,000	Gallons	10,500	1	10,500	88.55
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	2	55,000	370.90
30,000	to	35,000	Gallons	32,500	1	32,500	213.95
35,000	to	40,000	Gallons	37,500	1	37,500	242.45
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	1	125,000	741.20
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					13	315,000	\$2,153.10
Annual Totals					156	3,780,000	\$25,837.20
Monthly Avg/Customer						24,231	\$165.62

**CUMBERLAND COUNTY WATER DISTRICT
PROPOSED WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
1-1/2 - INCH METER**

PROPOSED RATE STRUCTURE				
FIRST	12,500	Gallons	\$99.95	Minimum Payment
OVER	12,500	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	1	32,500	213.95
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	2	85,000	541.90
45,000	to	50,000	Gallons	47,500	1	47,500	299.45
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	1	87,500	527.45
100,000	to	150,000	Gallons	125,000	1	125,000	741.20
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	300,000	Gallons	250,000	0	0	0.00
300,000	to	400,000	Gallons	350,000	0	0	0.00
400,000	to	500,000	Gallons	450,000	0	0	0.00
500,000	to	600,000	Gallons	550,000	0	0	0.00
Monthly Totals					6	377,500	\$2,323.95
Annual Totals					72	4,530,000	\$27,887.40
Monthly Avg/Customer						62,917	\$387.33

**CUMBERLAND COUNTY WATER DISTRICT
PROPOSED WATER RATES
NON-RESIDENTIAL WATER CUSTOMERS
2-INCH METER**

PROPOSED RATE STRUCTURE				
FIRST	25,000	Gallons	\$171.20	Minimum Payment
OVER	25,000	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	1	12,500	171.20
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	1	32,500	213.95
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	2	250,000	1,482.40
150,000	to	200,000	Gallons	175,000	1	175,000	1,026.20
200,000	to	250,000	Gallons	225,000	1	225,000	1,311.20
250,000	to	500,000	Gallons	375,000	0	0	0.00
500,000	to	750,000	Gallons	625,000	0	0	0.00
Monthly Totals					6	695,000	\$4,204.95
Annual Totals					72	8,340,000	\$50,459.40
Monthly Avg/Customer						115,833	\$700.83

**CUMBERLAND COUNTY WATER DISTRICT
EXISTING WATER RATES
DALE HOLLOW STATE PARK**

PROPOSED RATE STRUCTURE				
FIRST	300,000	Gallons	\$1,738.70	Minimum Payment
OVER	300,000	Gallons	5.70	Per 1000 Gallons

ANALYSIS OF MONTHLY WATER USAGE AND INCOME							
Monthly Water Usage			Units	Average Usage	Number of Users	Total Usage	Projected Income
0	to	0	Gallons	0	0	0	\$0.00
1	to	1,000	Gallons	500	0	0	0.00
1,000	to	2,000	Gallons	1,500	0	0	0.00
2,000	to	3,000	Gallons	2,500	0	0	0.00
3,000	to	4,000	Gallons	3,500	0	0	0.00
4,000	to	5,000	Gallons	4,500	0	0	0.00
5,000	to	6,000	Gallons	5,500	0	0	0.00
6,000	to	7,000	Gallons	6,500	0	0	0.00
7,000	to	8,000	Gallons	7,500	0	0	0.00
8,000	to	9,000	Gallons	8,500	0	0	0.00
9,000	to	10,000	Gallons	9,500	0	0	0.00
10,000	to	11,000	Gallons	10,500	0	0	0.00
11,000	to	12,000	Gallons	11,500	0	0	0.00
12,000	to	13,000	Gallons	12,500	0	0	0.00
13,000	to	14,000	Gallons	13,500	0	0	0.00
14,000	to	15,000	Gallons	14,500	0	0	0.00
15,000	to	20,000	Gallons	17,500	0	0	0.00
20,000	to	25,000	Gallons	22,500	0	0	0.00
25,000	to	30,000	Gallons	27,500	0	0	0.00
30,000	to	35,000	Gallons	32,500	0	0	0.00
35,000	to	40,000	Gallons	37,500	0	0	0.00
40,000	to	45,000	Gallons	42,500	0	0	0.00
45,000	to	50,000	Gallons	47,500	0	0	0.00
50,000	to	75,000	Gallons	62,500	0	0	0.00
75,000	to	100,000	Gallons	87,500	0	0	0.00
100,000	to	150,000	Gallons	125,000	0	0	0.00
150,000	to	200,000	Gallons	175,000	0	0	0.00
200,000	to	250,000	Gallons	225,000	0	0	0.00
250,000	to	500,000	Gallons	375,000	1	375,000	2,166.20
500,000	to	750,000	Gallons	625,000	0	0	0.00
Monthly Totals					1	375,000	\$2,166.20
Annual Totals					12	4,500,000	\$25,994.40
Monthly Avg/Customer						375,000	\$2,166.20

XXI. CURRENT OPERATING BUDGET (SEWER SYSTEM) :
(As of the last full operating year) Year Ending N/A

A. Operating Income:	
Sewer Revenue	_____
Late Charge Fees	_____
Other (Describe)	_____
Less Allowances and Deductions	_____
Total Operating Income	_____
B. Operation and Maintenance Expenses:	
(Based on Uniform System of Accounts prescribed by National Association of	
Regulatory Utility Commissioners)	
Operation Expense	_____
Maintenance Expense	_____
Customer Accounts Expense	_____
Administrative and General Expense	_____
Total Operating and Maintenance Expenses	_____
Net Operating Income	_____
C. Non Operating Income:	
Interest on Deposits	_____
Other (Operating Grants)	_____
Total Non-Operating Income	_____
D. Net Income	_____
E. Debt Repayment:	
RUS Interest	_____
RUS Principal	_____
Non-RUS Interest	_____
Non-RUS Principal	_____
Total Debt Repayment	_____
F. Reserve Accounts:	
Short Lived Assets Replacement Reserves	_____
Debt Reserves	_____
Total Reserves	_____
G. Balance Available for Coverage	_____

**XXII. PROPOSED OPERATING BUDGET (SEWER SYSTEM) - EXISTING SYSTEM
and NEW USERS : (1ST Full Year of Operation) Year Ending N/A**

A. Operating Income:	
Sewer Revenue	_____
Late Charge Fees	_____
Other (Describe)	_____
Less Allowances and Deductions	_____
Total Operating Income	_____
B. Operation and Maintenance Expenses:	
(Based on Uniform System of Accounts prescribed by National Association of	
Regulatory Utility Commissioners)	
Operation Expense	_____
Maintenance Expense	_____
Customer Accounts Expense	_____
Administrative and General Expense	_____
Total Operating and Maintenance Expenses	_____
Net Operating Income	_____
C. Non Operating Income:	
Interest on Deposits	_____
Other (Identify)	_____
Total Non-Operating Income	_____
D. Net Income	_____
E. Debt Repayment:	
RUS Interest	_____
RUS Principal	_____
Non-RUS Interest	_____
Non-RUS Principal	_____
Total Debt Repayment	_____
F. Balance Available for Coverage	_____
G. Reserve Accounts:	
Short Lived Assets Replacement Reserves	_____
Debt Reserves	_____
Total Reserves	_____

**XXIII. PROPOSED OPERATING BUDGET-(SEWER SYSTEM)-NEW USERS-
EXTENSION ONLY : (1ST Full Year of Operation) Year Ending N/A**

A. Operating Income:	
Sewer Revenue	_____
Late Charge Fees	_____
Other (Describe)	_____
Less Allowances and Deductions	_____
Total Operating Income	_____
B. Operation and Maintenance Expenses:	
(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
Operation Expense	_____
Maintenance Expense	_____
Customer Accounts Expense	_____
Administrative and General Expense	_____
Total Operating and Maintenance Expenses	_____
Net Operating Income	_____
C. Non Operating Income:	
Interest on Deposits	_____
Other (Identify)	_____
Total Non-Operating Income	_____
D. Net Income	_____
E. Debt Repayment:	
RUS Interest	_____
RUS Principal	_____
Non-RUS Interest	_____
Non-RUS Principal	_____
Total Debt Repayment	_____
F. Balance Available for Coverage	_____
G. Reserve Accounts:	
Short Lived Assets Replacement Reserves	_____
Debt Reserves	_____
Total Reserves	_____

XXIV. CURRENT OPERATING BUDGET (WATER SYSTEM):
 (As of the last full operating year) Year Ending 2016

A. Operating Income:	
Water Sales	\$ 1,288,739
Service Charges	18,799
Other	57,602
Total Operating Income	<u>\$ 1,365,140</u>
B. Operation and Maintenance Expenses:	
(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
Source of Supply Expense	\$ 366,296
Pumping Expense	37,283
Water Treatment Expense	-
Transmission and Distribution Expense	329,138
Customer Accounts Expense	137,640
Administrative and General Expense	51,690
Total Operating Expenses	<u>922,047</u>
Net Operating Income	<u>\$ 443,093</u>
C. Non-Operating Income:	
Interest/ Investment Income	\$ 2,128
Other (Miscellaneous)	-
Total Non-Operating Income	<u>\$ 2,128</u>
D. Net Income	<u>\$ 445,221</u>
E. Debt Repayment:	
RUS Interest	\$ 143,877
RUS Principal	89,916
Non-RUS Interest	8,044
Non-RUS Principal	23,609
Total Debt Repayment	<u>\$ 265,446</u>
F. Reserve Accounts:	
Short Lived Assets Replacement Reserves	\$ 8,000
RUS Debt Reserves	9,680
Non-RUS Debt Reserves	2,219
Total Reserves	<u>\$ 19,899</u>
G. Balance Available for Coverage:	<u>\$ 245,547</u>

XXV. PROPOSED OPERATING BUDGET (WATER SYSTEM) - PROPOSED SYSTEM
and EXISTING USERS : (1st Full Year of Operation) Year Ending 2019

A. Operating Income:	
Water Sales	\$ 1,365,751
Service Charges	18,000
Other	55,000
Total Operating Income	<u>\$ 1,438,751</u>
B. Operation and Maintenance Expenses:	
(Based on Uniform System of Accounts prescribe by National Association of Regulatory Utility Commissioners)	
Source of Supply Expense	\$ 366,296
Pumping Expense	43,499
Water Treatment Expense	-
Transmission and Distribution Expense	384,015
Customer Accounts Expense	160,589
Administrative and General Expense	60,308
Total Operating Expenses	<u>\$ 1,014,707</u>
Net Operating Income	<u>\$ 424,044</u>
C. Non-Operating Income:	
Interest/ Investment Income	\$ 2,000
Other (Miscellaneous)	-
Total Non-Operating Income	<u>\$ 2,000</u>
D. Net Income	<u>\$ 426,044</u>
E. Debt Repayment: **	
RUS Interest	\$ 158,609
RUS Principal	96,147
Non-RUS Interest	10,878
Non-RUS Principal	46,075
Total Debt Repayment	<u>\$ 311,709</u>
F. Reserve Accounts: **	
Short Lived Assets Replacement Reserves	\$ 8,000
RUS Debt Reserves	12,292
Non-RUS Debt Reserves	2,219
Total Reserves	<u>\$ 22,511</u>
G. Balance Available for Coverage:	<u>\$ 91,824</u>

** Includes USDA loan requirements for this project

XXVI. PROPOSED OPERATING BUDGET (WATER SYSTEM) - PROPOSED SYSTEM
and EXISTING USERS : (3rd Full Year of Operation) Year Ending 2021

A. Operating Income:	
Water Sales	\$ 1,365,751
Service Charges	18,000
Other	55,000
Total Operating Income	<u>\$ 1,438,751</u>
B. Operation and Maintenance Expenses: (Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
Source of Supply Expense	\$ 366,296
Pumping Expense	48,209
Water Treatment Expense	-
Transmission and Distribution Expense	425,593
Customer Accounts Expense	177,976
Administrative and General Expense	66,838
Total Operating Expenses	<u>\$ 1,084,912</u>
Net Operating Income	<u>\$ 353,839</u>
C. Non Operating Income:	
Interest/ Investment Income	\$ 2,000
Other (Miscellaneous)	-
Total Non-Operating Income	<u>\$ 2,000</u>
D. Net Income	<u>\$ 355,839</u>
E. Debt Repayment: **	
RUS Interest	\$ 149,519
RUS Principal	127,333
Non-RUS Interest	9,705
Non-RUS Principal	46,710
Total Debt Repayment	<u>\$ 333,267</u>
F. Balance Available for Coverage:	<u>\$ 22,572</u>
G. Reserve Accounts: **	
Short Lived Assets Replacement Reserves	\$ 8,000
RUS Debt Reserves	12,353
Non-RUS Debt Reserves	2,219
Total Reserves	<u>\$ 22,572</u>

** Includes USDA loan requirements for this project

XXVII. ESTIMATED PROJECT COST – SEWER: N/A
(Round to nearest \$100)

	<u>Collection</u>	<u>Treatment</u>	<u>Total</u>
<i>Development</i>	_____	_____	_____
<i>Land & Rights</i>	_____	_____	_____
<i>Legal</i>	_____	_____	_____
<i>Engineering</i>	_____	_____	_____
<i>Interest</i>	_____	_____	_____
<i>Contingencies</i>	_____	_____	_____
<i>Initial Operating and Maintenance</i>	_____	_____	_____
<i>Other</i>	_____	_____	_____
TOTAL	_____	_____	_____

XXVIII. PROPOSED PROJECT FUNDING N/A

	<u>Collection</u>	<u>Treatment</u>	<u>Total</u>
<i>Applicant - User Connection Fees</i>	_____	_____	_____
<i>Other Applicant Contribution</i>	_____	_____	_____
<i>RUS Loan</i>	_____	_____	_____
<i>RUS Grant</i>	_____	_____	_____
<i>ARC Grant (If applicable)</i>	_____	_____	_____
<i>CDBG (If applicable)</i>	_____	_____	_____
<i>Other (RBEG)</i>	_____	_____	_____
<i>Other</i>	_____	_____	_____
TOTAL	_____	_____	_____

XXIX. ESTIMATED PROJECT COST - WATER

Development	<u>\$ 585,000</u>
Legal & Administration	<u>15,000</u>
Engineering	<u>116,500</u>
Interest	<u>25,000</u>
Contingency	<u>58,500</u>
TOTAL	<u>\$ 800,000</u>

XXX. PROPOSED PROJECT FUNDING

Applicant - User Connection Fees	<u>-</u>
Other Applicant Contribution	<u>-</u>
RUS Loan	<u>\$ 560,000</u>
RUS Grant	<u>\$ 240,000</u>
ARC Grant (If applicable)	<u>-</u>
CDBG (If applicable)	<u>-</u>
Other ()	<u>-</u>
Other ()	<u>-</u>
TOTAL	<u>\$ 800,000</u>

APPENDIX A

Amortization Schedules

**CUMBERLAND COUNTY WATER DISTRICT
LIST OF OUTSTANDING BONDS & LOANS**

			2016	2017	2018	2019	2020	2021
1	1978 USDA	PRINCIPAL	5,001	5,251				
		INTEREST	513	263				
		TOTAL	5,514	5,514				
2	1986 USDA	PRINCIPAL	11,465	12,038	12,640	13,272	13,935	14,632
		INTEREST	7,210	6,637	6,035	5,403	4,739	4,043
		TOTAL	18,675	18,675	18,675	18,675	18,674	18,675
3	1987 USDA	PRINCIPAL	3,986	4,185	4,395	4,614	4,845	5,087
		INTEREST	2,832	2,632	2,423	2,203	1,972	1,730
		TOTAL	6,818	6,817	6,818	6,817	6,817	6,817
4	1988 USDA	PRINCIPAL	2,882	3,026	3,177	3,336	3,503	3,678
		INTEREST	2,294	2,149	1,998	1,839	1,673	1,497
		TOTAL	5,176	5,175	5,175	5,175	5,176	5,175
5	1985 USDA	PRINCIPAL	13,146	13,803	14,493	15,218	15,979	16,778
		INTEREST	7,248	6,590	5,900	5,176	4,415	3,616
		TOTAL	20,394	20,393	20,393	20,394	20,394	20,394
6	1991 USDA	PRINCIPAL	2,500	2,500	2,500	2,500	3,000	3,000
		INTEREST	2,200	2,075	1,950	1,825	1,700	1,550
		TOTAL	4,700	4,575	4,450	4,325	4,700	4,550
7	1994 USDA	PRINCIPAL	4,000	4,000	4,000	4,500	4,500	5,000
		INTEREST	4,635	4,455	4,275	4,095	3,893	3,690
		TOTAL	8,635	8,455	8,275	8,595	8,393	8,690
8	1994 USDA (2)	PRINCIPAL	3,336	3,487	3,643	3,807	3,979	4,158
		INTEREST	4,032	3,882	3,725	3,561	3,390	3,211
		TOTAL	7,368	7,369	7,368	7,368	7,369	7,369
9	1996 USDA	PRINCIPAL	5,600	5,800	6,100	6,400	6,700	6,900
		INTEREST	8,483	8,231	7,970	7,695	7,407	7,106
		TOTAL	14,083	14,031	14,070	14,095	14,107	14,006
10	2000 USDA	PRINCIPAL	7,000	7,500	7,500	8,000	8,500	8,500
		INTEREST	15,120	14,805	14,468	14,130	13,770	13,388
		TOTAL	22,120	22,305	21,968	22,130	22,270	21,888
11	2005 USDA	PRINCIPAL	6,500	7,000	7,500	7,500	8,000	8,500
		INTEREST	17,510	17,234	16,936	16,618	16,299	15,959
		TOTAL	24,010	24,234	24,436	24,118	24,299	24,459
12	2005 KRWFC	PRINCIPAL	3,000	4,000	4,000	4,000	4,000	4,000
		INTEREST	3,606	3,466	3,305	3,145	2,984	2,819
		TOTAL	6,606	7,466	7,305	7,145	6,984	6,819
13	2009 USDA	PRINCIPAL	5,500	5,500	6,000	6,000	6,500	6,500
		INTEREST	16,809	16,575	16,341	16,086	15,831	15,555
		TOTAL	22,309	22,075	22,341	22,086	22,331	22,055
14	2011 USDA	PRINCIPAL	11,500	12,000	12,500	13,000	13,500	14,000
		INTEREST	44,033	43,515	42,975	42,413	41,828	41,220
		TOTAL	55,533	55,515	55,475	55,413	55,328	55,220
15	2014 USDA	PRINCIPAL	7,500	7,500	8,000	8,000	8,500	8,500
		INTEREST	10,958	10,789	10,620	10,440	10,260	10,069
		TOTAL	18,458	18,289	18,620	18,440	18,760	18,569
16	2016 KIA	PRINCIPAL	20,609	41,450	41,761	42,075	42,391	42,710
		INTEREST	4,438	8,566	8,151	7,733	7,311	6,886
		TOTAL	25,047	50,016	49,912	49,808	49,702	49,596
17	2017 USDA	PRINCIPAL			0	0	12,800	13,100
	SULPHUR CREEK	INTEREST			13,125	13,125	13,125	12,885
		TOTAL			13,125	13,125	25,925	25,985
18	2018 USDA	PRINCIPAL				0	0	9,000
	HWY 704	INTEREST				14,000	14,000	14,000
		TOTAL				14,000	14,000	23,000
	TOTAL	PRINCIPAL	113,525	139,040	138,209	142,222	160,632	174,043
	TOTAL	INTEREST	151,921	151,864	160,197	169,487	164,597	159,224
		TOTAL	265,446	290,904	298,406	311,709	325,229	333,267

USDA BOND SCHEDULE

Water Works Revenue Bond Series B ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$93,000
		Term	40
Annual Payment	\$5,513	Interest Rate	5.00%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
1978	1	\$4,650	\$4,650	\$0	\$93,000
1979	2	4,650	4,650	0	93,000
1980	3	5,513	4,650	863	92,137
1981	4	5,513	4,607	907	91,230
1982	5	5,513	4,561	952	90,278
1983	6	5,513	4,514	1,000	89,278
1984	7	5,513	4,464	1,050	88,229
1985	8	5,513	4,411	1,102	87,127
1986	9	5,513	4,356	1,157	85,970
1987	10	5,513	4,298	1,215	84,755
1988	11	5,513	4,238	1,276	83,479
1989	12	5,513	4,174	1,339	82,140
1990	13	5,513	4,107	1,406	80,733
1991	14	5,513	4,037	1,477	79,257
1992	15	5,513	3,963	1,551	77,706
1993	16	5,513	3,885	1,628	76,078
1994	17	5,513	3,804	1,710	74,368
1995	18	5,513	3,718	1,795	72,573
1996	19	5,513	3,629	1,885	70,689
1997	20	5,513	3,534	1,979	68,710
1998	21	5,513	3,435	2,078	66,632
1999	22	5,513	3,332	2,182	64,450
2000	23	5,513	3,222	2,291	62,159
2001	24	5,513	3,108	2,405	59,753
2002	25	5,513	2,988	2,526	57,228
2003	26	5,513	2,861	2,652	54,575
2004	27	5,513	2,729	2,785	51,791
2005	28	5,513	2,590	2,924	48,867
2006	29	5,513	2,443	3,070	45,797
2007	30	5,513	2,290	3,224	42,573
2008	31	5,513	2,129	3,385	39,189
2009	32	5,513	1,959	3,554	35,634
2010	33	5,513	1,782	3,732	31,903
2011	34	5,513	1,595	3,918	27,984
2012	35	5,513	1,399	4,114	23,870
2013	36	5,513	1,194	4,320	19,550
2014	37	5,513	978	4,536	15,014
2015	38	5,513	751	4,763	10,252
2016	39	5,513	513	5,001	5,251
2017	40	5,513	263	5,251	0

USDA BOND SCHEDULE

Water Works Revenue Bond Series C ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$315,000
		Term	40
Annual Payment	\$18,675	Interest Rate	5.00%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
1986	1	\$15,750	\$15,750	\$0	\$315,000
1987	2	15,750	15,750	0	315,000
1988	3	18,675	15,750	2,925	312,075
1989	4	18,675	15,604	3,071	309,005
1990	5	18,675	15,450	3,224	305,780
1991	6	18,675	15,289	3,386	302,395
1992	7	18,675	15,120	3,555	298,840
1993	8	18,675	14,942	3,733	295,108
1994	9	18,675	14,755	3,919	291,188
1995	10	18,675	14,559	4,115	287,073
1996	11	18,675	14,354	4,321	282,752
1997	12	18,675	14,138	4,537	278,216
1998	13	18,675	13,911	4,764	273,452
1999	14	18,675	13,673	5,002	268,450
2000	15	18,675	13,422	5,252	263,198
2001	16	18,675	13,160	5,515	257,683
2002	17	18,675	12,884	5,790	251,893
2003	18	18,675	12,595	6,080	245,813
2004	19	18,675	12,291	6,384	239,429
2005	20	18,675	11,971	6,703	232,726
2006	21	18,675	11,636	7,038	225,688
2007	22	18,675	11,284	7,390	218,298
2008	23	18,675	10,915	7,760	210,538
2009	24	18,675	10,527	8,148	202,390
2010	25	18,675	10,120	8,555	193,835
2011	26	18,675	9,692	8,983	184,852
2012	27	18,675	9,243	9,432	175,421
2013	28	18,675	8,771	9,904	165,517
2014	29	18,675	8,276	10,399	155,118
2015	30	18,675	7,756	10,919	144,200
2016	31	18,675	7,210	11,465	132,735
2017	32	18,675	6,637	12,038	120,697
2018	33	18,675	6,035	12,640	108,058
2019	34	18,675	5,403	13,272	94,786
2020	35	18,675	4,739	13,935	80,851
2021	36	18,675	4,043	14,632	66,219
2022	37	18,675	3,311	15,364	50,855
2023	38	18,675	2,543	16,132	34,724
2024	39	18,675	1,736	16,938	17,785
2025	40	18,675	889	17,785	0

USDA BOND SCHEDULE

Water Works Revenue Bond Series D ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$115,000
		Term	40
Annual Payment	\$6,818	Interest Rate	5.00%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
1987	1	\$5,750	\$5,750	\$0	\$115,000
1988	2	5,750	5,750	0	115,000
1989	3	6,818	5,750	1,068	113,932
1990	4	6,818	5,697	1,121	112,811
1991	5	6,818	5,641	1,177	111,634
1992	6	6,818	5,582	1,236	110,398
1993	7	6,818	5,520	1,298	109,100
1994	8	6,818	5,455	1,363	107,738
1995	9	6,818	5,387	1,431	106,307
1996	10	6,818	5,315	1,502	104,805
1997	11	6,818	5,240	1,577	103,227
1998	12	6,818	5,161	1,656	101,571
1999	13	6,818	5,079	1,739	99,832
2000	14	6,818	4,992	1,826	98,006
2001	15	6,818	4,900	1,917	96,088
2002	16	6,818	4,804	2,013	94,075
2003	17	6,818	4,704	2,114	91,961
2004	18	6,818	4,598	2,220	89,741
2005	19	6,818	4,487	2,331	87,411
2006	20	6,818	4,371	2,447	84,963
2007	21	6,818	4,248	2,570	82,394
2008	22	6,818	4,120	2,698	79,696
2009	23	6,818	3,985	2,833	76,863
2010	24	6,818	3,843	2,975	73,889
2011	25	6,818	3,694	3,123	70,765
2012	26	6,818	3,538	3,279	67,486
2013	27	6,818	3,374	3,443	64,042
2014	28	6,818	3,202	3,616	60,427
2015	29	6,818	3,021	3,796	56,631
2016	30	6,818	2,832	3,986	52,644
2017	31	6,818	2,632	4,185	48,459
2018	32	6,818	2,423	4,395	44,064
2019	33	6,818	2,203	4,614	39,450
2020	34	6,818	1,972	4,845	34,604
2021	35	6,818	1,730	5,087	29,517
2022	36	6,818	1,476	5,342	24,175
2023	37	6,818	1,209	5,609	18,566
2024	38	6,818	928	5,889	12,677
2025	39	6,818	634	6,184	6,493
2026	40	6,818	325	6,493	0

USDA BOND SCHEDULE

Water Works Revenue Bond Series E ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$87,300
		Term	40
Annual Payment	\$5,176	Interest Rate	5.00%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
1988	1	\$4,365	\$4,365	\$0	\$87,300
1989	2	4,365	4,365	0	87,300
1990	3	5,176	4,365	811	86,489
1991	4	5,176	4,324	851	85,638
1992	5	5,176	4,282	894	84,745
1993	6	5,176	4,237	938	83,807
1994	7	5,176	4,190	985	82,821
1995	8	5,176	4,141	1,034	81,787
1996	9	5,176	4,089	1,086	80,701
1997	10	5,176	4,035	1,140	79,560
1998	11	5,176	3,978	1,197	78,363
1999	12	5,176	3,918	1,257	77,105
2000	13	5,176	3,855	1,320	75,785
2001	14	5,176	3,789	1,386	74,399
2002	15	5,176	3,720	1,456	72,943
2003	16	5,176	3,647	1,528	71,415
2004	17	5,176	3,571	1,605	69,810
2005	18	5,176	3,491	1,685	68,125
2006	19	5,176	3,406	1,769	66,356
2007	20	5,176	3,318	1,858	64,498
2008	21	5,176	3,225	1,951	62,548
2009	22	5,176	3,127	2,048	60,500
2010	23	5,176	3,025	2,151	58,349
2011	24	5,176	2,917	2,258	56,091
2012	25	5,176	2,805	2,371	53,720
2013	26	5,176	2,686	2,490	51,231
2014	27	5,176	2,562	2,614	48,617
2015	28	5,176	2,431	2,745	45,872
2016	29	5,176	2,294	2,882	42,990
2017	30	5,176	2,149	3,026	39,964
2018	31	5,176	1,998	3,177	36,787
2019	32	5,176	1,839	3,336	33,450
2020	33	5,176	1,673	3,503	29,947
2021	34	5,176	1,497	3,678	26,269
2022	35	5,176	1,313	3,862	22,407
2023	36	5,176	1,120	4,055	18,352
2024	37	5,176	918	4,258	14,094
2025	38	5,176	705	4,471	9,623
2026	39	5,176	481	4,694	4,929
2027	40	5,176	246	4,929	0

USDA BOND SCHEDULE

Water Works Revenue Bond Series F ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$344,000
		Term	40
Annual Payment	\$20,394	Interest Rate	5.00%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
1985	1	\$17,200	\$17,200	\$0	\$344,000
1986	2	17,200	17,200	0	344,000
1987	3	20,394	17,200	3,194	340,806
1988	4	20,394	17,040	3,353	337,453
1989	5	20,394	16,873	3,521	333,932
1990	6	20,394	16,697	3,697	330,234
1991	7	20,394	16,512	3,882	326,352
1992	8	20,394	16,318	4,076	322,276
1993	9	20,394	16,114	4,280	317,996
1994	10	20,394	15,900	4,494	313,502
1995	11	20,394	15,675	4,719	308,784
1996	12	20,394	15,439	4,955	303,829
1997	13	20,394	15,191	5,202	298,627
1998	14	20,394	14,931	5,462	293,164
1999	15	20,394	14,658	5,736	287,429
2000	16	20,394	14,371	6,022	281,406
2001	17	20,394	14,070	6,323	275,083
2002	18	20,394	13,754	6,640	268,443
2003	19	20,394	13,422	6,972	261,472
2004	20	20,394	13,074	7,320	254,152
2005	21	20,394	12,708	7,686	246,465
2006	22	20,394	12,323	8,071	238,395
2007	23	20,394	11,920	8,474	229,921
2008	24	20,394	11,496	8,898	221,023
2009	25	20,394	11,051	9,343	211,680
2010	26	20,394	10,584	9,810	201,871
2011	27	20,394	10,094	10,300	191,570
2012	28	20,394	9,579	10,815	180,755
2013	29	20,394	9,038	11,356	169,399
2014	30	20,394	8,470	11,924	157,475
2015	31	20,394	7,874	12,520	144,955
2016	32	20,394	7,248	13,146	131,809
2017	33	20,394	6,590	13,803	118,006
2018	34	20,394	5,900	14,493	103,513
2019	35	20,394	5,176	15,218	88,294
2020	36	20,394	4,415	15,979	72,315
2021	37	20,394	3,616	16,778	55,537
2022	38	20,394	2,777	17,617	37,920
2023	39	20,394	1,896	18,498	19,423
2024	40	20,394	971	19,423	0

USDA BOND SCHEDULE

Water Works Revenue Bond Series G ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$74,500
		Term	40
Annual Payment	\$4,417	Interest Rate	5.00%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
1990	1	\$3,725	\$3,725	\$0	\$74,500
1991	2	3,725	3,725	0	74,500
1992	3	4,225	3,725	500	74,000
1993	4	4,200	3,700	500	73,500
1994	5	4,175	3,675	500	73,000
1995	6	4,650	3,650	1,000	72,000
1996	7	4,600	3,600	1,000	71,000
1997	8	4,550	3,550	1,000	70,000
1998	9	4,500	3,500	1,000	69,000
1999	10	4,450	3,450	1,000	68,000
2000	11	4,400	3,400	1,000	67,000
2001	12	4,350	3,350	1,000	66,000
2002	13	4,300	3,300	1,000	65,000
2003	14	4,250	3,250	1,000	64,000
2004	15	4,200	3,200	1,000	63,000
2005	16	4,650	3,150	1,500	61,500
2006	17	4,575	3,075	1,500	60,000
2007	18	4,500	3,000	1,500	58,500
2008	19	4,425	2,925	1,500	57,000
2009	20	4,350	2,850	1,500	55,500
2010	21	4,275	2,775	1,500	54,000
2011	22	4,700	2,700	2,000	52,000
2012	23	4,600	2,600	2,000	50,000
2013	24	4,500	2,500	2,000	48,000
2014	25	4,400	2,400	2,000	46,000
2015	26	4,300	2,300	2,000	44,000
2016	27	4,700	2,200	2,500	41,500
2017	28	4,575	2,075	2,500	39,000
2018	29	4,450	1,950	2,500	36,500
2019	30	4,325	1,825	2,500	34,000
2020	31	4,700	1,700	3,000	31,000
2021	32	4,550	1,550	3,000	28,000
2022	33	4,400	1,400	3,000	25,000
2023	34	4,250	1,250	3,000	22,000
2024	35	4,600	1,100	3,500	18,500
2025	36	4,425	925	3,500	15,000
2026	37	4,250	750	3,500	11,500
2027	38	4,575	575	4,000	7,500
2028	39	4,375	375	4,000	3,500
2029	40	3,675	175	3,500	0

USDA BOND SCHEDULE

Water Works Revenue Bond Series H ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$151,000
		Term	40
Annual Payment	\$8,366	Interest Rate	4.50%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
1994	1	\$6,795	\$6,795	\$0	\$151,000
1995	2	6,795	6,795	0	151,000
1996	3	7,795	6,795	1,000	150,000
1997	4	8,250	6,750	1,500	148,500
1998	5	8,183	6,683	1,500	147,000
1999	6	8,115	6,615	1,500	145,500
2000	7	8,548	6,548	2,000	143,500
2001	8	8,458	6,458	2,000	141,500
2002	9	8,368	6,368	2,000	139,500
2003	10	8,278	6,278	2,000	137,500
2004	11	8,188	6,188	2,000	135,500
2005	12	8,598	6,098	2,500	133,000
2006	13	8,485	5,985	2,500	130,500
2007	14	8,373	5,873	2,500	128,000
2008	15	8,260	5,760	2,500	125,500
2009	16	8,648	5,648	3,000	122,500
2010	17	8,513	5,513	3,000	119,500
2011	18	8,378	5,378	3,000	116,500
2012	19	8,243	5,243	3,000	113,500
2013	20	8,608	5,108	3,500	110,000
2014	21	8,450	4,950	3,500	106,500
2015	22	8,293	4,793	3,500	103,000
2016	23	8,635	4,635	4,000	99,000
2017	24	8,455	4,455	4,000	95,000
2018	25	8,275	4,275	4,000	91,000
2019	26	8,595	4,095	4,500	86,500
2020	27	8,393	3,893	4,500	82,000
2021	28	8,690	3,690	5,000	77,000
2022	29	8,465	3,465	5,000	72,000
2023	30	8,740	3,240	5,500	66,500
2024	31	8,493	2,993	5,500	61,000
2025	32	8,245	2,745	5,500	55,500
2026	33	7,998	2,498	5,500	50,000
2027	34	8,250	2,250	6,000	44,000
2028	35	8,480	1,980	6,500	37,500
2029	36	8,188	1,688	6,500	31,000
2030	37	8,395	1,395	7,000	24,000
2031	38	8,580	1,080	7,500	16,500
2032	39	8,743	743	8,000	8,500
2033	40	8,883	383	8,500	0

USDA BOND SCHEDULE

Water Works Revenue Bond Series I ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$133,000
		Term	40
Annual Payment	\$7,368	Interest Rate	4.50%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
1994	1	\$5,985	\$5,985	\$0	\$133,000
1995	2	5,985	5,985	0	133,000
1996	3	7,368	5,985	1,383	131,617
1997	4	7,368	5,923	1,446	130,171
1998	5	7,368	5,858	1,511	128,660
1999	6	7,368	5,790	1,579	127,081
2000	7	7,368	5,719	1,650	125,432
2001	8	7,368	5,644	1,724	123,708
2002	9	7,368	5,567	1,802	121,906
2003	10	7,368	5,486	1,883	120,023
2004	11	7,368	5,401	1,967	118,056
2005	12	7,368	5,313	2,056	116,000
2006	13	7,368	5,220	2,148	113,852
2007	14	7,368	5,123	2,245	111,607
2008	15	7,368	5,022	2,346	109,261
2009	16	7,368	4,917	2,452	106,809
2010	17	7,368	4,806	2,562	104,247
2011	18	7,368	4,691	2,677	101,570
2012	19	7,368	4,571	2,798	98,772
2013	20	7,368	4,445	2,924	95,848
2014	21	7,368	4,313	3,055	92,793
2015	22	7,368	4,176	3,193	89,600
2016	23	7,368	4,032	3,336	86,264
2017	24	7,368	3,882	3,487	82,777
2018	25	7,368	3,725	3,643	79,134
2019	26	7,368	3,561	3,807	75,326
2020	27	7,368	3,390	3,979	71,347
2021	28	7,368	3,211	4,158	67,190
2022	29	7,368	3,024	4,345	62,845
2023	30	7,368	2,828	4,540	58,304
2024	31	7,368	2,624	4,745	53,560
2025	32	7,368	2,410	4,958	48,601
2026	33	7,368	2,187	5,181	43,420
2027	34	7,368	1,954	5,415	38,005
2028	35	7,368	1,710	5,658	32,347
2029	36	7,368	1,456	5,913	26,434
2030	37	7,368	1,190	6,179	20,256
2031	38	7,368	911	6,457	13,799
2032	39	7,368	621	6,747	7,051
2033	40	7,368	317	7,051	0

USDA BOND SCHEDULE

Water Works Revenue Bond 1996 ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$254,000
		Term	40
Annual Payment	\$14,072	Interest Rate	4.50%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
1997	1	\$11,430	\$11,430	\$0	\$254,000
1998	2	11,430	11,430	0	254,000
1999	3	14,030	11,430	2,600	251,400
2000	4	14,113	11,313	2,800	248,600
2001	5	14,087	11,187	2,900	245,700
2002	6	14,057	11,057	3,000	242,700
2003	7	14,122	10,922	3,200	239,500
2004	8	14,078	10,778	3,300	236,200
2005	9	14,029	10,629	3,400	232,800
2006	10	14,076	10,476	3,600	229,200
2007	11	14,114	10,314	3,800	225,400
2008	12	14,043	10,143	3,900	221,500
2009	13	14,068	9,968	4,100	217,400
2010	14	14,083	9,783	4,300	213,100
2011	15	14,090	9,590	4,500	208,600
2012	16	14,087	9,387	4,700	203,900
2013	17	14,076	9,176	4,900	199,000
2014	18	14,055	8,955	5,100	193,900
2015	19	14,126	8,726	5,400	188,500
2016	20	14,083	8,483	5,600	182,900
2017	21	14,031	8,231	5,800	177,100
2018	22	14,070	7,970	6,100	171,000
2019	23	14,095	7,695	6,400	164,600
2020	24	14,107	7,407	6,700	157,900
2021	25	14,006	7,106	6,900	151,000
2022	26	14,095	6,795	7,300	143,700
2023	27	14,067	6,467	7,600	136,100
2024	28	14,125	6,125	8,000	128,100
2025	29	14,065	5,765	8,300	119,800
2026	30	14,091	5,391	8,700	111,100
2027	31	14,100	5,000	9,100	102,000
2028	32	14,090	4,590	9,500	92,500
2029	33	14,063	4,163	9,900	82,600
2030	34	14,117	3,717	10,400	72,200
2031	35	14,049	3,249	10,800	61,400
2032	36	14,063	2,763	11,300	50,100
2033	37	14,055	2,255	11,800	38,300
2034	38	14,124	1,724	12,400	25,900
2035	39	14,066	1,166	12,900	13,000
2036	40	13,585	585	13,000	0

USDA BOND SCHEDULE

Water Works Revenue Bond 2001 ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$400,000
		Term	40
Annual Payment	\$22,161	Interest Rate	4.50%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
2002	1	\$18,000	\$18,000	\$0	\$400,000
2003	2	18,000	18,000	0	400,000
2004	3	22,000	18,000	4,000	396,000
2005	4	22,320	17,820	4,500	391,500
2006	5	22,118	17,618	4,500	387,000
2007	6	22,415	17,415	5,000	382,000
2008	7	22,190	17,190	5,000	377,000
2009	8	21,965	16,965	5,000	372,000
2010	9	22,240	16,740	5,500	366,500
2011	10	21,993	16,493	5,500	361,000
2012	11	22,245	16,245	6,000	355,000
2013	12	21,975	15,975	6,000	349,000
2014	13	22,205	15,705	6,500	342,500
2015	14	21,913	15,413	6,500	336,000
2016	15	22,120	15,120	7,000	329,000
2017	16	22,305	14,805	7,500	321,500
2018	17	21,968	14,468	7,500	314,000
2019	18	22,130	14,130	8,000	306,000
2020	19	22,270	13,770	8,500	297,500
2021	20	21,888	13,388	8,500	289,000
2022	21	22,505	13,005	9,500	279,500
2023	22	22,078	12,578	9,500	270,000
2024	23	22,150	12,150	10,000	260,000
2025	24	22,200	11,700	10,500	249,500
2026	25	22,228	11,228	11,000	238,500
2027	26	22,233	10,733	11,500	227,000
2028	27	22,215	10,215	12,000	215,000
2029	28	22,175	9,675	12,500	202,500
2030	29	22,113	9,113	13,000	189,500
2031	30	22,028	8,528	13,500	176,000
2032	31	22,420	7,920	14,500	161,500
2033	32	22,268	7,268	15,000	146,500
2034	33	22,093	6,593	15,500	131,000
2035	34	22,395	5,895	16,500	114,500
2036	35	22,153	5,153	17,000	97,500
2037	36	22,388	4,388	18,000	79,500
2038	37	22,078	3,578	18,500	61,000
2039	38	22,245	2,745	19,500	41,500
2040	39	22,368	1,868	20,500	21,000
2041	40	21,945	945	21,000	0

USDA BOND SCHEDULE

Water Works Revenue Bond 2005 ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$456,000
		Term	40
Annual Payment	\$24,397	Interest Rate	4.25%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
2006	1	\$19,380	\$19,380	\$0	\$456,000
2007	2	19,380	19,380	0	456,000
2008	3	23,880	19,380	4,500	451,500
2009	4	24,189	19,189	5,000	446,500
2010	5	23,976	18,976	5,000	441,500
2011	6	24,264	18,764	5,500	436,000
2012	7	24,030	18,530	5,500	430,500
2013	8	24,296	18,296	6,000	424,500
2014	9	24,041	18,041	6,000	418,500
2015	10	24,286	17,786	6,500	412,000
2016	11	24,010	17,510	6,500	405,500
2017	12	24,234	17,234	7,000	398,500
2018	13	24,436	16,936	7,500	391,000
2019	14	24,118	16,618	7,500	383,500
2020	15	24,299	16,299	8,000	375,500
2021	16	24,459	15,959	8,500	367,000
2022	17	24,598	15,598	9,000	358,000
2023	18	24,215	15,215	9,000	349,000
2024	19	24,333	14,833	9,500	339,500
2025	20	24,429	14,429	10,000	329,500
2026	21	24,504	14,004	10,500	319,000
2027	22	24,558	13,558	11,000	308,000
2028	23	24,590	13,090	11,500	296,500
2029	24	24,601	12,601	12,000	284,500
2030	25	24,591	12,091	12,500	272,000
2031	26	24,560	11,560	13,000	259,000
2032	27	24,508	11,008	13,500	245,500
2033	28	24,434	10,434	14,000	231,500
2034	29	24,839	9,839	15,000	216,500
2035	30	24,701	9,201	15,500	201,000
2036	31	24,543	8,543	16,000	185,000
2037	32	24,863	7,863	17,000	168,000
2038	33	24,640	7,140	17,500	150,500
2039	34	24,896	6,396	18,500	132,000
2040	35	25,110	5,610	19,500	112,500
2041	36	24,781	4,781	20,000	92,500
2042	37	24,931	3,931	21,000	71,500
2043	38	25,039	3,039	22,000	49,500
2044	39	25,104	2,104	23,000	26,500
2045	40	27,626	1,126	26,500	0

KENTUCKY RURAL WATER FINANCE CORPORATION FLEXIBLE TERM FINANCE PROGRAM SERIES 2005 B

Borrower: Cumberland Co. WD
Dated Date: 10/19/05

Borrower Payment Schedule

Payment Date	Principal	Interest Rate	Interest	Trustee Fees	Total	Fiscal Total
10/19/05						
07/01/06			3,746.25	250.00	3,996.25	3,996.25
01/01/07	3,000.00	4.000%	2,247.75		5,247.75	
07/01/07	0.00		2,187.75	250.00	2,437.75	7,685.50
01/01/08	3,000.00	4.000%	2,187.75		5,187.75	
07/01/08	0.00		2,127.75	250.00	2,377.75	7,565.50
01/01/09	3,000.00	4.000%	2,127.75		5,127.75	
07/01/09	0.00		2,067.75	250.00	2,317.75	7,445.50
01/01/10	3,000.00	4.000%	2,067.75		5,067.75	
07/01/10	0.00		2,007.75	250.00	2,257.75	7,325.50
01/01/11	3,000.00	4.000%	2,007.75		5,007.75	
07/01/11	0.00		1,947.75	250.00	2,197.75	7,205.50
01/01/12	3,000.00	4.000%	1,947.75		4,947.75	
07/01/12	0.00		1,887.75	250.00	2,137.75	7,085.50
01/01/13	3,000.00	4.000%	1,887.75		4,887.75	
07/01/13	0.00		1,827.75	250.00	2,077.75	6,965.50
01/01/14	3,000.00	4.000%	1,827.75		4,827.75	
07/01/14	0.00		1,767.75	250.00	2,017.75	6,845.50
01/01/15	3,000.00	4.000%	1,767.75		4,767.75	
07/01/15	0.00		1,707.75	250.00	1,957.75	6,725.50
01/01/16	3,000.00	4.000%	1,707.75		4,707.75	
07/01/16	0.00		1,647.75	250.00	1,897.75	6,605.50
01/01/17	4,000.00	4.000%	1,647.75		5,647.75	
07/01/17	0.00		1,567.75	250.00	1,817.75	7,465.50
01/01/18	4,000.00	4.000%	1,567.75		5,567.75	
07/01/18	0.00		1,487.75	250.00	1,737.75	7,305.50
01/01/19	4,000.00	4.000%	1,487.75		5,487.75	
07/01/19	0.00		1,407.75	250.00	1,657.75	7,145.50
01/01/20	4,000.00	4.100%	1,407.75		5,407.75	
07/01/20	0.00		1,325.75	250.00	1,575.75	6,983.50
01/01/21	4,000.00	4.125%	1,325.75		5,325.75	
07/01/21	0.00		1,243.25	250.00	1,493.25	6,819.00
01/01/22	5,000.00	4.200%	1,243.25		6,243.25	
07/01/22	0.00		1,138.25	250.00	1,388.25	7,631.50
01/01/23	5,000.00	4.250%	1,138.25		6,138.25	
07/01/23	0.00		1,032.00	250.00	1,282.00	7,420.25
01/01/24	5,000.00	4.250%	1,032.00		6,032.00	
07/01/24	0.00		925.75	250.00	1,175.75	7,207.75
01/01/25	5,000.00	4.300%	925.75		5,925.75	
07/01/25	0.00		818.25	250.00	1,068.25	6,994.00
01/01/26	5,000.00	4.350%	818.25		5,818.25	
07/01/26	0.00		709.50	250.00	959.50	6,777.75
01/01/27	6,000.00	4.375%	709.50		6,709.50	
07/01/27	0.00		578.25	250.00	828.25	7,537.75
01/01/28	6,000.00	4.375%	578.25		6,578.25	
07/01/28	0.00		447.00	250.00	697.00	7,275.25
01/01/29	6,000.00	4.400%	447.00		6,447.00	
07/01/29	0.00		315.00	250.00	565.00	7,012.00
01/01/30	7,000.00	4.500%	315.00		7,315.00	
07/01/30	0.00		157.50	250.00	407.50	7,722.50
01/01/31	7,000.00	4.500%	157.50		7,157.50	
07/01/31	0.00			250.00	250.00	7,407.50
Totals	<u>107,000.00</u>		<u>70,656.50</u>	<u>6,500.00</u>	<u>184,156.50</u>	

USDA BOND SCHEDULE

Water Works Revenue Bond 2009 ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$415,000
		Term	40
Annual Payment	\$22,203	Interest Rate	4.25%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
2010	1	\$17,638	\$17,638	\$0	\$415,000
2011	2	17,638	17,638	0	415,000
2012	3	22,138	17,638	4,500	410,500
2013	4	22,446	17,446	5,000	405,500
2014	5	22,234	17,234	5,000	400,500
2015	6	22,021	17,021	5,000	395,500
2016	7	22,309	16,809	5,500	390,000
2017	8	22,075	16,575	5,500	384,500
2018	9	22,341	16,341	6,000	378,500
2019	10	22,086	16,086	6,000	372,500
2020	11	22,331	15,831	6,500	366,000
2021	12	22,055	15,555	6,500	359,500
2022	13	22,279	15,279	7,000	352,500
2023	14	21,981	14,981	7,000	345,500
2024	15	22,184	14,684	7,500	338,000
2025	16	22,365	14,365	8,000	330,000
2026	17	22,025	14,025	8,000	322,000
2027	18	22,185	13,685	8,500	313,500
2028	19	22,324	13,324	9,000	304,500
2029	20	22,441	12,941	9,500	295,000
2030	21	22,038	12,538	9,500	285,500
2031	22	22,134	12,134	10,000	275,500
2032	23	22,209	11,709	10,500	265,000
2033	24	22,263	11,263	11,000	254,000
2034	25	22,295	10,795	11,500	242,500
2035	26	22,306	10,306	12,000	230,500
2036	27	22,296	9,796	12,500	218,000
2037	28	22,265	9,265	13,000	205,000
2038	29	22,213	8,713	13,500	191,500
2039	30	22,139	8,139	14,000	177,500
2040	31	22,044	7,544	14,500	163,000
2041	32	22,428	6,928	15,500	147,500
2042	33	22,269	6,269	16,000	131,500
2043	34	22,089	5,589	16,500	115,000
2044	35	22,388	4,888	17,500	97,500
2045	36	22,144	4,144	18,000	79,500
2046	37	22,379	3,379	19,000	60,500
2047	38	22,071	2,571	19,500	41,000
2048	39	22,243	1,743	20,500	20,500
2049	40	21,371	871	20,500	0

USDA BOND SCHEDULE

Water Works Revenue Bond 2011 ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$1,000,000
		Term	40
Annual Payment	\$55,402	Interest Rate	4.50%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
2012	1	\$45,000	\$45,000	\$0	\$1,000,000
2013	2	45,000	45,000	0	1,000,000
2014	3	55,500	45,000	10,500	989,500
2015	4	55,528	44,528	11,000	978,500
2016	5	55,533	44,033	11,500	967,000
2017	6	55,515	43,515	12,000	955,000
2018	7	55,475	42,975	12,500	942,500
2019	8	55,413	42,413	13,000	929,500
2020	9	55,328	41,828	13,500	916,000
2021	10	55,220	41,220	14,000	902,000
2022	11	55,590	40,590	15,000	887,000
2023	12	55,415	39,915	15,500	871,500
2024	13	55,218	39,218	16,000	855,500
2025	14	55,498	38,498	17,000	838,500
2026	15	55,233	37,733	17,500	821,000
2027	16	55,445	36,945	18,500	802,500
2028	17	55,613	36,113	19,500	783,000
2029	18	55,235	35,235	20,000	763,000
2030	19	55,335	34,335	21,000	742,000
2031	20	55,390	33,390	22,000	720,000
2032	21	55,400	32,400	23,000	697,000
2033	22	55,365	31,365	24,000	673,000
2034	23	55,285	30,285	25,000	648,000
2035	24	55,160	29,160	26,000	622,000
2036	25	55,490	27,990	27,500	594,500
2037	26	55,253	26,753	28,500	566,000
2038	27	55,470	25,470	30,000	536,000
2039	28	55,620	24,120	31,500	504,500
2040	29	55,203	22,703	32,500	472,000
2041	30	55,240	21,240	34,000	438,000
2042	31	55,210	19,710	35,500	402,500
2043	32	55,613	18,113	37,500	365,000
2044	33	55,425	16,425	39,000	326,000
2045	34	55,170	14,670	40,500	285,500
2046	35	55,348	12,848	42,500	243,000
2047	36	55,435	10,935	44,500	198,500
2048	37	55,433	8,933	46,500	152,000
2049	38	55,340	6,840	48,500	103,500
2050	39	55,158	4,658	50,500	53,000
2051	40	55,385	2,385	53,000	0

USDA BOND SCHEDULE

Water Works Revenue Bond 2014 ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$487,000
		Term	40
Annual Payment	\$19,201	Interest Rate	2.25%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
2014	1	\$10,958	\$10,958	\$0	\$487,000
2015	2	10,958	10,958	0	487,000
2016	3	18,458	10,958	7,500	479,500
2017	4	18,289	10,789	7,500	472,000
2018	5	18,620	10,620	8,000	464,000
2019	6	18,440	10,440	8,000	456,000
2020	7	18,760	10,260	8,500	447,500
2021	8	18,569	10,069	8,500	439,000
2022	9	18,378	9,878	8,500	430,500
2023	10	18,686	9,686	9,000	421,500
2024	11	18,484	9,484	9,000	412,500
2025	12	18,781	9,281	9,500	403,000
2026	13	18,568	9,068	9,500	393,500
2027	14	18,854	8,854	10,000	383,500
2028	15	19,129	8,629	10,500	373,000
2029	16	19,393	8,393	11,000	362,000
2030	17	19,145	8,145	11,000	351,000
2031	18	18,898	7,898	11,000	340,000
2032	19	19,150	7,650	11,500	328,500
2033	20	18,891	7,391	11,500	317,000
2034	21	19,133	7,133	12,000	305,000
2035	22	19,363	6,863	12,500	292,500
2036	23	19,581	6,581	13,000	279,500
2037	24	19,289	6,289	13,000	266,500
2038	25	19,496	5,996	13,500	253,000
2039	26	19,693	5,693	14,000	239,000
2040	27	19,878	5,378	14,500	224,500
2041	28	20,051	5,051	15,000	209,500
2042	29	19,714	4,714	15,000	194,500
2043	30	19,876	4,376	15,500	179,000
2044	31	20,028	4,028	16,000	163,000
2045	32	20,168	3,668	16,500	146,500
2046	33	19,796	3,296	16,500	130,000
2047	34	19,925	2,925	17,000	113,000
2048	35	20,043	2,543	17,500	95,500
2049	36	20,149	2,149	18,000	77,500
2050	37	20,244	1,744	18,500	59,000
2051	38	20,328	1,328	19,000	40,000
2052	39	20,900	900	20,000	20,000
2053	40	20,450	450	20,000	0

KENTUCKY INFRASTRUCTURE AUTHORITY
 REPAYMENT SCHEDULE
 FUND F LOAN (F15-001)
 CUMBERLAND COUNTY WATER DISTRICT

Loan Amount	\$887,600
Interest Rate	0.75%
Term	20
Payment	\$23,937.34

Payment Date	Principal Due	Interest Due	Interest Rate	Principal & Interest	Servicing Fee	Total Payment	Principal Balance	R&M Reserve	Total Reserve
							\$887,600.00		
12/01/16	\$20,608.84	\$3,328.50	0.75%	\$23,937.34	\$1,109.50	\$25,046.84	\$866,991.16	\$2,219.00	\$2,219.00
06/01/17	\$20,686.13	\$3,251.22	0.75%	\$23,937.34	\$1,083.74	\$25,021.08	\$846,305.03	\$0.00	\$2,219.00
12/01/17	\$20,763.70	\$3,173.64	0.75%	\$23,937.34	\$1,057.88	\$24,995.22	\$825,541.33	\$2,219.00	\$4,438.00
06/01/18	\$20,841.56	\$3,095.78	0.75%	\$23,937.34	\$1,031.93	\$24,969.27	\$804,699.77	\$0.00	\$4,438.00
12/01/18	\$20,919.72	\$3,017.62	0.75%	\$23,937.34	\$1,005.87	\$24,943.22	\$783,780.05	\$2,219.00	\$6,657.00
06/01/19	\$20,998.17	\$2,939.18	0.75%	\$23,937.34	\$979.73	\$24,917.07	\$762,781.88	\$0.00	\$6,657.00
12/01/19	\$21,076.91	\$2,860.43	0.75%	\$23,937.34	\$953.48	\$24,890.82	\$741,704.97	\$2,219.00	\$8,876.00
06/01/20	\$21,155.95	\$2,781.39	0.75%	\$23,937.34	\$927.13	\$24,864.47	\$720,549.02	\$0.00	\$8,876.00
12/01/20	\$21,235.28	\$2,702.06	0.75%	\$23,937.34	\$900.69	\$24,838.03	\$699,313.74	\$2,219.00	\$11,095.00
06/01/21	\$21,314.92	\$2,622.43	0.75%	\$23,937.34	\$874.14	\$24,811.49	\$677,998.82	\$0.00	\$11,095.00
12/01/21	\$21,394.85	\$2,542.50	0.75%	\$23,937.34	\$847.50	\$24,784.84	\$656,603.97	\$2,219.00	\$13,314.00
06/01/22	\$21,475.08	\$2,462.26	0.75%	\$23,937.34	\$820.75	\$24,758.10	\$635,128.89	\$0.00	\$13,314.00
12/01/22	\$21,555.61	\$2,381.73	0.75%	\$23,937.34	\$793.91	\$24,731.25	\$613,573.28	\$2,219.00	\$15,533.00
06/01/23	\$21,636.44	\$2,300.90	0.75%	\$23,937.34	\$766.97	\$24,704.31	\$591,936.84	\$0.00	\$15,533.00
12/01/23	\$21,717.58	\$2,219.76	0.75%	\$23,937.34	\$739.92	\$24,677.26	\$570,219.26	\$2,219.00	\$17,752.00
06/01/24	\$21,799.02	\$2,138.32	0.75%	\$23,937.34	\$712.77	\$24,650.12	\$548,420.24	\$0.00	\$17,752.00
12/01/24	\$21,880.77	\$2,056.58	0.75%	\$23,937.34	\$685.53	\$24,622.87	\$526,539.47	\$2,219.00	\$19,971.00
06/01/25	\$21,962.82	\$1,974.52	0.75%	\$23,937.34	\$658.17	\$24,595.52	\$504,576.65	\$0.00	\$19,971.00
12/01/25	\$22,045.18	\$1,892.16	0.75%	\$23,937.34	\$630.72	\$24,568.06	\$482,531.47	\$2,219.00	\$22,190.00
06/01/26	\$22,127.85	\$1,809.49	0.75%	\$23,937.34	\$603.16	\$24,540.51	\$460,403.62	\$0.00	\$22,190.00
12/01/26	\$22,210.83	\$1,726.51	0.75%	\$23,937.34	\$575.50	\$24,512.85	\$438,192.79	\$0.00	\$22,190.00
06/01/27	\$22,294.12	\$1,643.22	0.75%	\$23,937.34	\$547.74	\$24,485.08	\$415,898.67	\$0.00	\$22,190.00
12/01/27	\$22,377.72	\$1,559.62	0.75%	\$23,937.34	\$519.87	\$24,457.22	\$393,520.95	\$0.00	\$22,190.00
06/01/28	\$22,461.64	\$1,475.70	0.75%	\$23,937.34	\$491.90	\$24,429.24	\$371,059.31	\$0.00	\$22,190.00
12/01/28	\$22,545.87	\$1,391.47	0.75%	\$23,937.34	\$463.82	\$24,401.17	\$348,513.44	\$0.00	\$22,190.00
06/01/29	\$22,630.42	\$1,306.93	0.75%	\$23,937.34	\$435.64	\$24,372.99	\$325,883.02	\$0.00	\$22,190.00
12/01/29	\$22,715.28	\$1,222.06	0.75%	\$23,937.34	\$407.35	\$24,344.70	\$303,167.74	\$0.00	\$22,190.00
06/01/30	\$22,800.46	\$1,136.88	0.75%	\$23,937.34	\$378.96	\$24,316.30	\$280,367.27	\$0.00	\$22,190.00
12/01/30	\$22,885.97	\$1,051.38	0.75%	\$23,937.34	\$350.46	\$24,287.80	\$257,481.31	\$0.00	\$22,190.00
06/01/31	\$22,971.79	\$965.55	0.75%	\$23,937.34	\$321.85	\$24,259.19	\$234,509.52	\$0.00	\$22,190.00
12/01/31	\$23,057.93	\$879.41	0.75%	\$23,937.34	\$293.14	\$24,230.48	\$211,451.59	\$0.00	\$22,190.00
06/01/32	\$23,144.40	\$792.94	0.75%	\$23,937.34	\$264.31	\$24,201.66	\$188,307.19	\$0.00	\$22,190.00
12/01/32	\$23,231.19	\$706.15	0.75%	\$23,937.34	\$235.38	\$24,172.73	\$165,075.99	\$0.00	\$22,190.00
06/01/33	\$23,318.31	\$619.03	0.75%	\$23,937.34	\$206.34	\$24,143.69	\$141,757.69	\$0.00	\$22,190.00
12/01/33	\$23,405.75	\$531.59	0.75%	\$23,937.34	\$177.20	\$24,114.54	\$118,351.93	\$0.00	\$22,190.00
06/01/34	\$23,493.52	\$443.82	0.75%	\$23,937.34	\$147.94	\$24,085.28	\$94,858.41	\$0.00	\$22,190.00
12/01/34	\$23,581.62	\$355.72	0.75%	\$23,937.34	\$118.57	\$24,055.92	\$71,276.79	\$0.00	\$22,190.00
06/01/35	\$23,670.06	\$267.29	0.75%	\$23,937.34	\$89.10	\$24,026.44	\$47,606.73	\$0.00	\$22,190.00
12/01/35	\$23,758.82	\$178.53	0.75%	\$23,937.34	\$59.51	\$23,996.85	\$23,847.91	\$0.00	\$22,190.00
06/01/36	\$23,847.91	\$89.43	0.75%	\$23,937.34	\$29.81	\$23,967.15	(\$0.00)	\$0.00	\$22,190.00
Totals	\$887,600.00	\$69,893.73		\$957,493.73	\$23,297.91	\$980,791.64		\$22,190.00	

USDA BOND SCHEDULE

Water Works Revenue Bond 2017 ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$700,000
		Term	40
Annual Payment	\$25,921	Interest Rate	1.875%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
2018	1	\$13,125	\$13,125	\$0	\$700,000
2019	2	13,125	13,125	0	700,000
2020	3	25,925	13,125	12,800	687,200
2021	4	25,985	12,885	13,100	674,100
2022	5	25,939	12,639	13,300	660,800
2023	6	25,890	12,390	13,500	647,300
2024	7	25,937	12,137	13,800	633,500
2025	8	25,978	11,878	14,100	619,400
2026	9	25,914	11,614	14,300	605,100
2027	10	25,946	11,346	14,600	590,500
2028	11	25,872	11,072	14,800	575,700
2029	12	25,894	10,794	15,100	560,600
2030	13	25,911	10,511	15,400	545,200
2031	14	25,923	10,223	15,700	529,500
2032	15	25,928	9,928	16,000	513,500
2033	16	25,928	9,628	16,300	497,200
2034	17	25,923	9,323	16,600	480,600
2035	18	25,911	9,011	16,900	463,700
2036	19	25,894	8,694	17,200	446,500
2037	20	25,872	8,372	17,500	429,000
2038	21	25,844	8,044	17,800	411,200
2039	22	25,910	7,710	18,200	393,000
2040	23	25,969	7,369	18,600	374,400
2041	24	25,920	7,020	18,900	355,500
2042	25	25,966	6,666	19,300	336,200
2043	26	25,904	6,304	19,600	316,600
2044	27	25,936	5,936	20,000	296,600
2045	28	25,961	5,561	20,400	276,200
2046	29	25,979	5,179	20,800	255,400
2047	30	25,889	4,789	21,100	234,300
2048	31	25,893	4,393	21,500	212,800
2049	32	25,890	3,990	21,900	190,900
2050	33	25,879	3,579	22,300	168,600
2051	34	25,961	3,161	22,800	145,800
2052	35	25,934	2,734	23,200	122,600
2053	36	25,899	2,299	23,600	99,000
2054	37	25,856	1,856	24,000	75,000
2055	38	25,906	1,406	24,500	50,500
2056	39	25,947	947	25,000	25,500
2057	40	25,978	478	25,500	0

USDA BOND SCHEDULE

Water Works Revenue Bond 2018 ISSUE LOAN

Interest - Month 1 & 7

Principal - Month 1

		Principal	\$560,000
		Term	40
Annual Payment	\$22,999	Interest Rate	2.50%

YEAR	PMT. NO	TOTAL	INTEREST	PRINCIPAL	BALANCE
2019	1	\$14,000	\$14,000	\$0	\$560,000
2020	2	14,000	14,000	0	560,000
2021	3	23,000	14,000	9,000	551,000
2022	4	22,975	13,775	9,200	541,800
2023	5	23,045	13,545	9,500	532,300
2024	6	23,008	13,308	9,700	522,600
2025	7	22,965	13,065	9,900	512,700
2026	8	23,018	12,818	10,200	502,500
2027	9	22,963	12,563	10,400	492,100
2028	10	23,003	12,303	10,700	481,400
2029	11	23,035	12,035	11,000	470,400
2030	12	23,060	11,760	11,300	459,100
2031	13	22,978	11,478	11,500	447,600
2032	14	22,990	11,190	11,800	435,800
2033	15	22,995	10,895	12,100	423,700
2034	16	22,993	10,593	12,400	411,300
2035	17	22,983	10,283	12,700	398,600
2036	18	22,965	9,965	13,000	385,600
2037	19	23,040	9,640	13,400	372,200
2038	20	23,005	9,305	13,700	358,500
2039	21	22,963	8,963	14,000	344,500
2040	22	23,013	8,613	14,400	330,100
2041	23	22,953	8,253	14,700	315,400
2042	24	22,985	7,885	15,100	300,300
2043	25	23,008	7,508	15,500	284,800
2044	26	23,020	7,120	15,900	268,900
2045	27	23,023	6,723	16,300	252,600
2046	28	23,015	6,315	16,700	235,900
2047	29	22,998	5,898	17,100	218,800
2048	30	22,970	5,470	17,500	201,300
2049	31	23,033	5,033	18,000	183,300
2050	32	22,983	4,583	18,400	164,900
2051	33	23,023	4,123	18,900	146,000
2052	34	23,050	3,650	19,400	126,600
2053	35	22,965	3,165	19,800	106,800
2054	36	22,970	2,670	20,300	86,500
2055	37	22,963	2,163	20,800	65,700
2056	38	23,043	1,643	21,400	44,300
2057	39	23,008	1,108	21,900	22,400
2058	40	22,960	560	22,400	0

APPENDIX B

Excerpt from the 2016 Financial Audit of the:

Cumberland County Water District

Cumberland County Water District
 Statements of Revenues, Expenses and Changes in Net Position
 For the Years Ended December 31, 2016 and 2015

	<u>2016</u>	<u>2015</u>
Operating Revenues		
Water sales	\$ 1,288,739	\$ 1,258,589
Service charges	18,799	20,028
Other revenues	<u>57,602</u>	<u>53,488</u>
 Total Operating Revenues	 <u>1,365,140</u>	 <u>1,332,105</u>
 Operating Expenses		
Salaries and wages	247,858	230,674
Employee benefits	69,391	76,966
Purchased water	366,296	403,515
Utilities	41,154	43,677
Materials and supplies	55,970	65,794
Contracted services	35,678	31,715
Vehicle and equipment expenses	19,656	16,535
Insurance	18,346	16,758
Office expenses	43,462	52,247
Directors fees	8,375	8,450
Bad debt expense, net of recoveries	4,615	-
Depreciation	273,961	264,059
Other operating expenses	<u>11,246</u>	<u>8,115</u>
 Total Operating Expenses	 <u>1,196,008</u>	 <u>1,218,505</u>
 Operating Income	 <u>169,132</u>	 <u>113,600</u>
 Non-operating Revenues (Expenses)		
Interest income	2,128	580
Grant revenue	214,875	165,525
Interest expense	<u>(135,246)</u>	<u>(131,578)</u>
 Total Non-operating Revenues (Expenses)	 <u>81,757</u>	 <u>34,527</u>
 Change in Net Position	 250,889	 148,127
 Net Position, Beginning of Year	 <u>3,056,828</u>	 <u>2,908,701</u>
 Net Position, End of Year	 <u>\$ 3,307,717</u>	 <u>\$ 3,056,828</u>

APPENDIX C

Replacement Reserves - Short Lived Assets

Replacement Reserves - Short Lived Assets				
Type of Reserve	User Description	Replacement Cost	Reserve on Hand	Annual Reserve
1-5 Years	Computers and Office Equipment	\$10,000	\$0	\$2,000
1-5 Years				
1-5 Years				
Subtotal 1-5 Years				\$2,000
5-10 Years				
5-10 Years	(2) Service Pickup Trucks	\$60,000	\$0	\$6,000
5-10 Years				
Subtotal 5-10 Years				\$6,000
10-15 Years				
10-15 Years				
10-15 Years				
Subtotal 10-15 Years				\$0
Replacement Reserves - Short Lived Assets				\$8,000