

SUMMARY ADDENDUM
TO
PRELIMINARY ENGINEERING REPORT FOR
2020 WATER PROJECT
DATED NOVEMBER 2018
UPDATED JUNE 2020
FOR
LARUE COUNTY WATER DISTRICT

APPLICANT CONTACT PERSON: **Mr. Tim Bartley**
APPLICANT PHONE NUMBER: **(270)325-3242**
APPLICANT TAX IDENTIFICATION NUMBER (TIN): **61-0654399**

In order to avoid unnecessary delays in 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 need for this project is to meet current and future water quality demands. The LCWD proposes to extend water lines and make connections for overall improvement of flows, pressure and water quality to all areas of the system. Many of the lines installed in the most recent years were considered underserved, which means water was available for customer use but flushing etc was minimal. These connections will allow the LCWD more options to get increased flow from various directions, will improve water quality and eliminate down time by providing connections from multiple sources. Also, the City of Bardstown has notified LCWD it will be switching disinfection methods in their system beginning December 2018. This method is not compatible with the LCWD water. So, until this proposed project is complete the LCWD will have to isolate this portion of the system from the rest of the system, thereby eliminating the option of moving water around in the system adding to already deficient flushing program. The proposed water tank will address low pressure areas in the eastern portion of the system. When everything is full of water this area has minimal pressure but with any problem (Peak use time, line break etc) this area experiences low pressure. The proposed water project will serve approximately 15 of 20 potential customers along the roads listed in Table 1 of the Preliminary Engineering Report. A general breakdown of the project by road is also shown in Table 1 of the Preliminary Engineering Report. The proposed project will require approximately 2 miles of water line ranging in size from 4-inch to 6-inch diameter.

II. FACILITY CHARACTERISTICS OF EXISTING SEWER SYSTEM

NOT APPLICABLE

- A. Sewage Treatment
 - 1. Type
 - 2. Method of Sludge Disposal
 - 3. Cost per 1,000 gallons if sewage treatment 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
 - 1. Lineal Feet of Collector Lines (by size)

- 6”:
- 8”:
- 10”:
- 12”:
- Larger:
- 2. Date(s) Constructed

F. Conditions of Existing System: Briefly describe the conditions 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.

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 Water Purchase Contract if applicable.

The LCWD currently has six sources of water supply; the City of New Haven, Green River Valley Water District, City of Hodgenville, City of Bardstown, City of Campbellsville and Green-Taylor Water District.

If the applicant purchases water, list the Seller(s):

- 1. **City of New Haven**
- 2. **Green River Valley Water District**
- 3. **City of Hodgenville**
- 4. **City of Bardstown**
- 5. **City of Campbellsville**
- 6. **Green-Taylor Water District**
- 7. **Hardin County Water District #1 (Emergency)**
- 8. **Hardin County Water District #2 (Emergency)**

Price per 1,000 gallons:

- 1. **\$2.54**
- 2. **\$2.14**
- 3. **\$2.10**
- 4. **\$2.00**
- 5. **\$1.97**
- 6. **\$2.89**
- 7. **\$2.00**
- 8. **\$2.00**

Present Estimated Market Value of Existing System: **approx. \$8,600,000**

B. Water Storage

1. Type

Ground Level Storage Tank

- 2. Number of Storage Structures: **Nine (9)**
- 3. Total Storage Volume Capacity: **1,010,000 Gallons**
- 4. Date(s) Storage Tank(s) Constructed: **1990's - 2012**

C. Water Distribution System

- 1. Pipe Material: **PVC and DIP (ductile iron)**
- 2. Lineal Feet of Pipe (by size)
 - 3": **132,000**
 - 4": **640,000**
 - 6": **475,000**
 - 8": **5,000**
 - 10":
 - 12":
- 3. Date(s) Water Lines Constructed: **60's, 90's, and 00's**
- 4. Number and Capacity of Pump Station(s): **six (6)**

D. Condition of Existing Water System

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

The existing lines and tanks appear to be in good shape. No major renovations are expected in the next few years.

E. Percentage of Water Loss for the Existing System: **approx. 18%**

IV. EXISTING LONG-TERM INDEBTEDNESS

A. List of Bonds and Notes

Date Issued	Bond/Note Holder	Principal Balance	Payment Date	Bond Type*		Amount on Deposit in Reserve Account
				% Water	% Sewer	
2012	RD	231,000	01/09	100	0	
2012	KRWA	2,287,500	01/09	100	0	

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

B. Principal and Interest Payments (begin with the next fiscal year payment)

Date Issued	Bond/Note Holder	Principal Payment 2019	Interest Payment 2019	Principal Payment 2020	Interest Payment 2020	Principal Payment 2021	Interest Payment 2021
2012	RD	4,000	6,243	4,000	6,133	4,000	6,023
2012	KRWA	94,583	84,036	99,583	81,786	100,000	77,662
TOTAL		98,583	90,279	103,583	87,919	104,000	83,685

V. EXISTING SHORT-TERM INDEBTEDNESS

NOT APPLICABLE

- A. List of all Short-Term Debts
(do not show any debt listed in Paragraph IV above)

Lendor or Lessor	Date Issued	Principal Balance	Purpose (Water and/or Sewer)	Payment Date	Principal and Interest Payment (P&I)	Date to be Paid in Full

VI. LAND AND RIGHTS – EXISTING SYSTEM(S)

Number of Treatment Plant Sites:	Water 0	Sewer NA
Number of Storage Tank Sites:	Water 9	Sewer NA
Number of Pump Stations:	Water 6	Sewer NA
Total Acreage:	Water 2 acres	Sewer NA acres
Purchase Price:	Water NA \$	Sewer NA \$

VII. NUMBER OF EXISTING USERS

	Water	Sewer
Residential (In Town) *	0	
Residential (Out of Town)*	3,334	
Non-Residential (In Town)	0	
Non-Residential (Out of Town)	46	
Total	3,380	
Number to Total Potential Users Living in the Service Area	0	

*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

Meter Size	Water Connection Fee	Sewer Connection Fee
5/8" X 3/4"	\$ 1150	\$ NA

IX. SEWER RATES – EXISTING SYSTEM

NOT APPLICABLE

Percentage of Water Bill:

Minimum Charge: \$

Other (If the charge is not based on water bill):

Date this rate went into effect:

X. WATER RATES – EXISTING SYSTEM

Existing Rate Schedule

5/8 and 3/4 Inch Meter

First	1,000 Gallons @	\$15.45	minimum
Next	4,000 Gallons @	\$7.14	per 1,000 Gallons
Next	5,000 Gallons @	\$6.38	per 1,000 Gallons
All Over	10,000 Gallons @	\$5.21	per 1,000 Gallons

Date this rate went into effect: **6/17/2020**

If more than one rate schedule, please include all schedules

3/4 Inch Meter

First	3,000 Gallons @	\$29.70	minimum
Next	2,000 Gallons @	\$7.14	per 1,000 Gallons
Next	5,000 Gallons @	\$6.38	per 1,000 Gallons
All Over	10,000 Gallons @	\$5.21	per 1,000 Gallons

1-Inch Meter

First	5,000 Gallons @	\$43.96	minimum
Next	5,000 Gallons @	\$6.38	per 1000 Gallons
Over	10,000 Gallons @	\$5.21	per 1000 Gallons

1-1/2-Inch Meter

First	10,000 Gallons @	\$75.79	minimum
Over	10,000 Gallons @	\$5.21	per 1000 Gallons

2-Inch Meter

First	20,000 Gallons @	\$127.77	minimum
Over	20,000 Gallons @	\$5.21	per 1,000 Gallons

XI. ANALYSIS OF ACTUAL SEWER USAGE – EXISTING SYSTEM
12 MONTH PERIOD

NOT APPLICABLE

XII. ANALYSIS OF ACTUAL WATER USAGE – EXISTING SYSTEM 12 MONTH PERIOD

For the period, January 1, 2018 to December 31, 2018

Residential 5/8" x 3/4" meter

First 1,000 Gal. at		\$15.45	minimum		
Next 4,000 Gal. at		\$7.14	per Thousand Gallons.		
Next 5,000 Gal. at		\$6.38	per Thousand Gallons.		
All Over 10,000 Gal. at		\$5.21	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	1,000	1,000	331	331.00	5,113.95
1,000	2,000	1,800	375	675.00	7,935.75
2,000	3,000	2,895	732	2,119.14	21,213.58
3,000	4,000	3,550	602	2,137.10	20,261.51
4,000	5,000	4,863	288	1,400.54	12,393.16
5,000	6,000	5,442	256	1,393.07	11,987.96
6,000	7,000	6,670	235	1,567.45	12,846.18
7,000	8,000	7,350	218	1,602.30	12,862.65
8,000	9,000	8,593	180	1,546.74	12,048.00
9,000	10,000	9,818	56	549.81	4,185.94
10,000	over	10,290	57	586.53	4,412.99
TOTALS			3330	13,908.68	125,261.68

Annual Residential Water Sales \$1,503,140.20

Total Water Purchased and/or Produced (Gallons) 185,588,644

Total Water Sold (Gallons) 171,841,337

RESIDENTIAL AND NON-RESIDENTIAL COMBINED	
Total Users	3380
Total Annual Water Sales	\$1,539,725.40
Average Monthly Bill	\$37.96
Average Monthly Usage (Gallons)	4,237

Non-Residential 5/8" x 3/4" meter

First 1,000 Gal. at		\$15.45	minimum		
Next 4,000 Gal. at		\$7.14	per Thousand Gallons.		
Next 5,000 Gal. at		\$6.38	per Thousand Gallons.		
All Over 10,000 Gal. at		\$5.21	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	1,000	1,000	2	2.00	30.90
1,000	2,000	1,800	5	9.00	105.81
2,000	3,000	2,895	5	14.48	144.90
3,000	4,000	3,550	6	21.30	201.94
4,000	5,000	4,863	8	38.90	344.25
5,000	6,000	5,442	4	21.77	187.31
6,000	7,000	6,670	3	20.01	163.99
7,000	8,000	7,350	2	14.70	118.01
8,000	9,000	8,593	1	8.59	66.93
9,000	10,000	9,818	1	9.82	74.75
10,000	over	10,290	4	41.16	309.68
TOTALS			41	201.73	1,748.49

Annual Non Residential 3/4" Water Sales \$20,981.83

XII. Analysis of Actual Water Usage - Existing System (Continued)

For the period, January 1, 2018 to December 31, 2018

Non-Residential .75" meter

First 3,000 Gal. at		\$29.70	minimum		
Next 2,000 Gal. at		\$7.14	per Thousand Gallons.		
Next 5,000 Gal. at		\$6.38	per Thousand Gallons.		
All Over 10,000 Gal. at		\$5.21	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	3,000	8,327	0	0.00	0.00
3,000	4,000	3,800	0	0.00	0.00
4,000	5,000	4,800	0	0.00	0.00
5,000	6,000	5,800	0	0.00	0.00
6,000	7,000	6,800	0	0.00	0.00
7,000	8,000	7,800	1	7.80	61.84
8,000	9,000	8,800	1	8.80	68.22
9,000	10,000	9,800	0	0.00	0.00
10,000	over	10,500	0	0.00	0.00
TOTALS			2	16.60	130.07

Non-Residential 1.0" meter

First 5,000 Gal. at		\$43.96	minimum		
Next 5,000 Gal. at		\$6.38	per Thousand Gallons.		
All Over 10,000 Gal. at		\$5.21			
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	5,000	4,500	0	0.00	0.00
5,000	6,000	5,800	0	0.00	0.00
6,000	7,000	6,800	0	0.00	0.00
7,000	8,000	4,800	0	0.00	0.00
8,000	9,000	8,800	1	8.80	68.20
9,000	10,000	9,800	1	9.80	74.58
10,000	over	10,500	1	10.50	78.47
TOTALS			3	29.10	221.25

Annual Non Residential 1.5 "Water Sales \$2,655.04

Annual Non Residential 1.0 "Water Sales \$1,560.82

Total Water Purchased and/or Produced (Gallons) 608,724

Total Water Sold (Gallons) 548,400

RESIDENTIAL AND NON-RESIDENTIAL COMBINED	
Total Users	5
Total Annual Water Sales	\$4,215.85
Average Monthly Bill	\$70.26
Average Monthly Usage (Gallons)	9,140

XII. Analysis of Actual Water Usage - Existing System (Continued)

For the period, January 1, 2018 to December 31, 2018

Non-Residential 1.5" meter

First 10,000 Gal. at		\$75.79	minimum		
All Over 10,000 Gal. at		\$5.21	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	10,000	10,000	0	0.00	0.00
10,000	over	10,500	2	21.00	156.79
TOTALS			2	21.00	156.79

Non-Residential 2.0" meter

First 20,000 Gal. at		\$127.77	minimum		
All Over 20,000 Gal. at		\$5.21	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	20,000	20,000	0	0.00	0.00
20,000	over	71,500	2	143.00	792.17
TOTALS			2	143.00	792.17

Annual Non Residential 2.0 "Water Sales \$1,881.48

Annual Non Residential 3.0 "Water Sales \$9,506.04

Total Water Purchased and/or Produced (Gallons) 2,184,480

Total Water Sold (Gallons) 1,968,000

RESIDENTIAL AND NON-RESIDENTIAL COMBINED	
Total Users	3380
Total Annual Water Sales	\$1,539,725.40
Average Monthly Bill	\$37.96
Average Monthly Usage (Gallons)	4,237

XIII. FACILITY CHARACTERISTICS OF PROPOSED SEWER SYSTEM

NOT APPLICABLE

- A. Sewage Treatment
 - 5. Type
 - 6. Method of Sludge Disposal
 - 7. 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 Sewage Lift Stations

- E. Sewage Collection System
 - 1. Lineal feet of Collector Lines (by size)
 - 6”:
 - 8”:
 - 10”:
 - 12”:
 - Larger:

XIV. LAND AND RIGHTS – PROPOSED SEWER SYSTEM

NOT APPLICABLE

Number of Treatment Plant Sites	
Number of Pump Sites	
Number of Other Sites	
Total Acreage	acre
Purchase Price	\$

XV. 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.

The LCWD currently has six sources of water supply; the City of New Haven, Green River Valley Water District, City of Hodgenville, City of Bardstown, City of Campbellsville and Green-Taylor Water District. For the purpose of this Summary Addendum, it is assumed that all water supply will come from the City of Hodgenville.

- B. Water Storage N/A
1. Type
 2. Number of Storage Structures:
 3. Total Storage Volume Capacity:
- C. Water Distribution System
1. Pipe Material: **PVC and DIP (ductile iron)**
 2. Lineal feet of Pipe
 - 3":
 - 4": **500**
 - 6": **9,500**
 - 8":
 - 10":
 - 12":
 3. Number and Capacity of Pump Stations:

XVI. LAND AND RIGHTS - PROPOSED WATER SYSTEM

Number of Treatment Plant Sites	
Number of Pump Sites	
Number of Other Sites	2
Total Acreage	10
Purchase Price	\$250,000

XVII. NUMBER OF NEW SEWER USERS

NOT APPLICABLE

Residential (In Town)*
Residential (Out of Town)*
Non-Residential (In Town)
Non-Residential (Out of Town)
Total
Number to Total Potential Users
 Living in the Service Area

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

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

NOT APPLICABLE

Meter Size	Water Connection Fee
5/8" X 3/4"	\$
1.0"	\$

XIX. NUMBER OF NEW WATER USERS

Residential (In Town)*	0
Residential (Out of Town)*	10
Non-Residential (In Town)	0
Non-Residential (Out of Town)	0
Total	0
Number of Total Potential Users Living in the Service Area	0

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

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

Meter Size	Water Connection Fee
5/8" X 3/4"	\$ 1150

XXI. SEWER RATES - PROPOSED

NOT APPLICABLE

A. Proposed Rate Schedule without RUS Grant

Percentage of Water Bill:

Minimum Charge: \$

Other (If the charge is not based on water bill):

First	Gallons @	\$	minimum
Next	Gallons @	\$	per 1,000 Gallons
Next	Gallons @	\$	per 1,000 Gallons
Next	Gallons @	\$	per 1,000 Gallons
Next	Gallons @	\$	per 1,000 Gallons
Next	Gallons @	\$	per 1,000 Gallons
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 objection 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

Percentage of Water Bill:

Minimum Charge: \$

Other (If the charge is not based on water bill):

First	Gallons @	\$	minimum
Next	Gallons @	\$	per 1,000 Gallons
Next	Gallons @	\$	per 1,000 Gallons
Next	Gallons @	\$	per 1,000 Gallons
Next	Gallons @	\$	per 1,000 Gallons
Next	Gallons @	\$	per 1,000 Gallons
All Over	Gallons @	\$	per 1,000 Gallons

If more than one rate, please include on additional sheets.

XXII. WATER RATES - PROPOSED

A. Proposed Rate Schedule without RUS Grant

5/8 and 3/4 Inch Meter

First	1,000 Gallons @	\$17.30 minimum
Next	4,000 Gallons @	\$8.00 per 1,000 Gallons
Next	5,000 Gallons @	\$7.14 per 1,000 Gallons
All Over	10,000 Gallons @	\$5.83 per 1,000 Gallons

3/4 Inch Meter

First	3,000 Gallons @	\$33.27 minimum
Next	2,000 Gallons @	\$8.00 per 1,000 Gallons
Next	5,000 Gallons @	\$7.14 per 1,000 Gallons
All Over	10,000 Gallons @	\$5.83 per 1,000 Gallons

1-Inch Meter

First	5,000 Gallons @	\$49.24 minimum
Next	5,000 Gallons @	\$7.14 per 1000 Gallons
Over	10,000 Gallons @	\$5.83 per 1000 Gallons

1-1/2-Inch Meter

First	5,000 Gallons @	\$84.89 minimum
Over	10,000 Gallons @	\$5.83 per 1000 Gallons

2-Inch Meter

First	20,000 Gallons @	\$143.10 minimum
Over	20,000 Gallons @	\$5.83 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 objection 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

Percentage of Water Bill: 11%

Minimum Charge: \$

Other (If the charge is not based on water bill):

5/8 and 3/4 Inch Meter

First	1,000 Gallons @	\$17.15 minimum
Next	4,000 Gallons @	\$7.93 per 1,000 Gallons
Next	5,000 Gallons @	\$7.08 per 1,000 Gallons
All Over	10,000 Gallons @	\$5.78 per 1,000 Gallons

3/4 Inch Meter

First	3,000 Gallons @	\$32.97 minimum
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	Next	2,000 Gallons @	\$7.93	per 1,000 Gallons
	Next	5,000 Gallons @	\$7.08	per 1,000 Gallons
	All Over	10,000 Gallons @	\$5.78	per 1,000 Gallons
1-Inch Meter				
	First	5,000 Gallons @	\$48.80	minimum
	Next	5,000 Gallons @	\$7.08	per 1000 Gallons
	Over	10,000 Gallons @	\$5.78	per 1000 Gallons
1-1/2-Inch Meter				
	First	10,000 Gallons @	\$84.13	minimum
	Over	10,000 Gallons @	\$5.78	per 1000 Gallons
2-Inch Meter				
	First	20,000 Gallons @	\$141.82	minimum
	Over	20,000 Gallons @	\$5.78	per 1,000 Gallons

If more than one rate, please include on additional sheets.

**XXIII. FORECAST OF SEWER USAGE – INCOME
EXISTING SYSTEM – EXISTING USERS**

NOT APPLICABLE

**XXIV. FORECAST OF SEWER USAGE - INCOME
NEW USERS – EXTENSION ONLY**

NOT APPLICABLE

**XXV. FORECAST OF WATER USAGE - INCOME
EXISTING SYSTEM – EXISTING USERS**

For the period, January 1, 2020 to December 31, 2020

Residential 5/8" x 3/4" meter

First 1,000 Gal. at		\$17.15	minimum		
Next 4,000 Gal. at		\$7.93	per Thousand Gallons.		
Next 5,000 Gal. at		\$7.08	per Thousand Gallons.		
All Over 10,000 Gal. at		\$5.78	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	1,000	1,000	336	336.00	5,762.23
1,000	2,000	1,800	376	676.80	8,832.17
2,000	3,000	2,895	732	2,119.14	23,547.07
3,000	4,000	3,550	603	2,140.65	22,527.64
4,000	5,000	4,863	288	1,400.54	13,756.41
5,000	6,000	5,442	257	1,398.51	13,358.62
6,000	7,000	6,670	236	1,574.12	14,319.94
7,000	8,000	7,350	218	1,602.30	14,277.55
8,000	9,000	8,593	181	1,555.33	13,447.58
9,000	10,000	9,818	56	549.81	4,646.39
10,000	over	10,290	57	586.53	4,898.42
TOTALS			3340	13,939.74	139,374.02

Non-Residential 5/8" x 3/4" meter

First 1,000 Gal. at		\$17.15	minimum		
Next 4,000 Gal. at		\$7.93	per Thousand Gallons.		
Next 5,000 Gal. at		\$7.08	per Thousand Gallons.		
All Over 10,000 Gal. at		\$5.78			
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	1,000	1,000	2	2.00	34.30
1,000	2,000	1,800	5	9.00	117.45
2,000	3,000	2,895	5	14.48	160.84
3,000	4,000	3,550	6	21.30	224.16
4,000	5,000	4,863	8	38.90	382.12
5,000	6,000	5,442	4	21.77	207.92
6,000	7,000	6,670	3	20.01	182.03
7,000	8,000	7,350	2	14.70	130.99
8,000	9,000	8,593	1	8.59	74.30
9,000	10,000	9,818	1	9.82	82.97
10,000	over	10,290	4	41.16	343.75
TOTALS			41	201.73	1,940.82

Annual Residential Water Sales \$1,672,488.22

Annual Non Residential 3/4" Water Sales \$23,289.83

Total Water Purchased and/or Produced (Gallons) 185,991,113

Total Water Sold (Gallons) 172,213,993

RESIDENTIAL AND NON-RESIDENTIAL COMBINED

Total Users	3390
Total Annual Water Sales	\$1,713,097.79
Average Monthly Bill	\$42.11
Average Monthly Usage (Gallons)	4,233

XII. Analysis of Actual Water Usage - Existing System

For the period, January 1, 2020 to December 31, 2020

Residential 5/8" x 3/4" meter

First 1,000 Gal. at		\$17.15	minimum		
Next 4,000 Gal. at		\$7.93	per Thousand Gallons.		
Next 5,000 Gal. at		\$7.08	per Thousand Gallons.		
All Over 10,000 Gal. at		\$5.78	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	1,000	1,000	336	336.00	5,762.23
1,000	2,000	1,800	376	676.80	8,832.17
2,000	3,000	2,895	732	2,119.14	23,547.07
3,000	4,000	3,550	603	2,140.65	22,527.64
4,000	5,000	4,863	288	1,400.54	13,756.41
5,000	6,000	5,442	257	1,398.51	13,358.62
6,000	7,000	6,670	236	1,574.12	14,319.94
7,000	8,000	7,350	218	1,602.30	14,277.55
8,000	9,000	8,593	181	1,555.33	13,447.58
9,000	10,000	9,818	56	549.81	4,646.39
10,000	over	10,290	57	586.53	4,898.42
TOTALS			3340	13,939.74	139,374.02

Non-Residential 5/8" x 3/4" meter

First 1,000 Gal. at		\$17.15	minimum		
Next 4,000 Gal. at		\$7.93	per Thousand Gallons.		
Next 5,000 Gal. at		\$7.08	per Thousand Gallons.		
All Over 10,000 Gal. at		\$5.78	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	1,000	1,000	2	2.00	34.30
1,000	2,000	1,800	5	9.00	117.45
2,000	3,000	2,895	5	14.48	160.84
3,000	4,000	3,550	6	21.30	224.16
4,000	5,000	4,863	8	38.90	382.12
5,000	6,000	5,442	4	21.77	207.92
6,000	7,000	6,670	3	20.01	182.03
7,000	8,000	7,350	2	14.70	130.99
8,000	9,000	8,593	1	8.59	74.30
9,000	10,000	9,818	1	9.82	82.97
10,000	over	10,290	4	41.16	343.75
TOTALS			41	201.73	1,940.82

Annual Residential Water Sales \$1,672,488.22

Annual Non Residential 3/4" Water Sales \$23,289.83

Total Water Purchased and/or Produced (Gallons) 185,991,113

Total Water Sold (Gallons) 172,213,993

RESIDENTIAL AND NON-RESIDENTIAL COMBINED

Total Users	3390
Total Annual Water Sales	\$1,713,097.79
Average Monthly Bill	\$42.11
Average Monthly Usage (Gallons)	4,233

XII. Analysis of Actual Water Usage - Existing System (Continued)

For the period, January 1, 2020 to December 31, 2020

Non-Residential 1.5" meter

First 10,000 Gal. at		\$84.13	minimum		
All Over 10,000 Gal. at		\$5.78	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	10,000	10,000	0	0.00	0.00
10,000	over	10,500	2	21.00	174.04
TOTALS			2	21.00	174.04

Non-Residential 2.0" meter

First 20,000 Gal. at		\$141.82	minimum		
All Over 20,000 Gal. at		\$5.78	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	20,000	20,000	0	0.00	0.00
20,000	over	71,500	2	143.00	879.31
TOTALS			2	143.00	879.31

Annual Non Residential 2.0" Water Sales \$2,088.44

Annual Non Residential 3.0" Water Sales \$10,551.70

Total Water Purchased and/or Produced (Gallons) 2,184,480

Total Water Sold (Gallons) 1,968,000

RESIDENTIAL AND NON-RESIDENTIAL COMBINED	
Total Users	3380
Total Annual Water Sales	\$1,713,097.79
Average Monthly Bill	\$42.11
Average Monthly Usage (Gallons)	4,237

**XXVI. FORECAST OF WATER USAGE - INCOME
NEW USERS – EXTENSION ONLY**

NOT APPLICABLE

XXVII. CURRENT OPERATING BUDGET – (SEWER SYSEM)
(As of the last full operating year)

NOT APPLICABLE

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	\$
	Total Operating and Maintenance Expenses	\$
	Net Operating Income	\$
C.	Non-Operating Income	
	Interest on Deposit	\$
	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	\$

XXVIII. PROPOSED OPERATING BUDGET – (SEWER SYSTEM)
 EXISTING SYSTEM AND NEW USERS
 (First full year of operation)
 Year Ending:

NOT APPLICABLE

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	\$
	Total Operating and Maintenance Expenses	\$
	Net Operating Income	\$
C.	Non-Operating Income	
	Interest on Deposit	\$
	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	\$

XXIX. PROPOSED OPERATING BUDGET – (SEWER SYSTEM)
 NEW USERS – EXTENSION ONLY
 (First full year of operation)
 Year Ending:

NOT APPLICABLE

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	\$
	Total Operating and Maintenance Expenses	\$
	Net Operating Income	\$
C.	Non-Operating Income	
	Interest on Deposit	\$
	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	\$

XXX.

CURRENT OPERATING BUDGET – (WATER SYSTEM)
(As of the last full operating year) (2017)

A.	Operating Income	
	Water Sales	\$1,539,725
	Disconnect/Reconnect/Late Charge Fee	\$12,765
	Other (describe)	\$0
	Taxes	\$0
	Less Allowances and Deductions	\$0
	Total Operating Income	\$1,552,490
B.	Operation and Maintenance Expenses	
	(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
	Source of Supply Expense	\$465,355
	Pumping Expense	\$26,028
	Water Treatment Expense	\$0
	Transmission and Distribution Expense	\$430,499
	Customer Accounts Expense	\$3,043
	Administrative and General Expense	\$312,012
	Total Operating Expense	\$1,236,937
	Net Operating Income	\$315,553
C.	Non-Operating Income	
	Interest on Deposits	\$7,318
	Interest Expenses	\$0
	Grant Proceeds	\$0
	Grant Payments	\$0
	Rental Income	\$0
	Other (Gain on Disposal of Assets)	\$0
	Total Non-Operating Income	\$7,318
D.	Net Income	\$322,871
E.	Debt Repayment	
	RUS Interest	\$93,359
	RUS Principal	\$94,000
	Total Debt Repayment	\$187,359
F.	Balance Available for Coverage	\$135,512

XXXI.

PROPOSED OPERATING BUDGET – (WATER SYSTEM)
EXISTING SYSTEM AND NEW USERS
(First full year of operation) Year Ending: (2020)

A.	Operating Income	
	Water Sales	\$1,713,098
	Disconnect/Reconnect/Late Charge Fee	\$13,000
	Other (describe)	\$0
	Less Allowances and Deductions	\$0
	Total Operating Income	\$1,726,098
B.	Operation and Maintenance Expenses	
	(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
	Source of Supply Expense	\$515,384
	Pumping Expense	\$28,630
	Water Treatment Expense	\$0
	Transmission and Distribution Expense	\$473,550
	Customer Accounts Expense	\$4,000
	Administrative and General Expense	\$343,250
	Total Operating Expense	\$1,364,814
	Net Operating Income	\$361,284
C.	Non-Operating Income	
	Interest on Deposits	\$8,000
	Other (Rental)	\$0
	Total Non-Operating Income	\$0
D.	Net Income	\$369,284
E.	Debt Repayment	
	RUS Interest	\$85,477
	RUS Principal	\$104,000
	New RUS Interest	\$94,104
	New RUS Principal	\$34,104
	Total Debt Repayment	\$317,685
F.	Balance	\$51,599

XXXIII. ESTIMATED PROJECT COST - SEWER
(Round to the nearest 100\$)

NOT APPLICABLE

	Collection	Treatment	Total
Development			
Land and Rights			
Legal			
Engineering			
Interest			
Contingencies			
Initial Operating and Maintenance			
Other			
TOTAL			

XXXIV. PROPOSED PROJECT FUNDING - SEWER

NOT APPLICABLE

	Collection	Treatment	Total
Applicant – User Contribution Fees			
Other – Applicant Contribution			
RUS Loan			
RUS Grant			
ARC Grant (if applicable)			
CDBG (if applicable)			
Other (specify)			
Other (specify)			
TOTAL			

XXXV. REVISED ESTIMATED PROJECT COST – WATER

Development	\$3,000,000
Land and Rights	\$250,000
Legal	\$10,000
Engineering	\$210,000
Inspection	\$115,000
Interest	\$40,000
Contingencies	\$150,000
Other (PE Report, Archeological Survey, PSC, Surveying, etc.)	\$25,000
TOTAL	\$3,800,000

XXXVI. PROPOSED PROJECT FUNDING - WATER

RUS Loan	\$2,800,000
RUS Grant	\$1,000,000
TOTAL	\$3,800,000