

KENTUCKY GUIDE 7
MAY 1998

SUMMARY ADDENDUM

TO

PRELIMINARY ENGINEERING REPORT

DATED: February 2020

FOR

**COLUMBIA/ADAIR UTILITIES DISTRICT – 2019 Water & Sewer System Improvements Phase
18**

APPLICANT CONTACT PERSON – Lennon Stone, Manager

APPLICANT PHONE NUMBER – 270-384-2181

APPLICANT TAX IDENTIFICATION NUMBER (TIN) - 61-0972934

ITEMS IN BOLD ITALIC PRINT ARE APPLICABLE TO SEWER SYSTEMS.

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 review 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.

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.

This project consists of improvements to both the water and wastewater systems. The improvements include:

- Installation of 8-inch water main around the KY 55 Bypass
- Replacement of approximately 2,800 LF of water main on Liberty Road
- Extension of water lines on White Oak and Acree Road
- Installation of telemetry on 19 existing sites
- Installation of 3 new influent pumps at the wastewater treatment plant

If funding is available CAUD would want to do the following:

- Replacement of Longhunter lift stations 1 and 2
- Water line extensions on Corbin Richards Road, Canaan Land Road and Garman Road
- Improvements to the carbon feed system at the water treatment plant

I. FACILITY CHARACTERISTICS OF EXISTING SEWER SYSTEM -

A. Sewage Treatment:

1. **Type:** *Extended Aeration*
2. **Method of Sludge Disposal:** *Hauled to landfill*
3. **Cost per 1,000 gallons if sewage treatment is contracted:** *N/A*
4. **Date Constructed:** *1959; upgrades 1989 and 2003*

B. Treatment Capacity of Sewage Treatment Plant: *1.2 MGD*

C. Type of Sewage Collector System (Describe):
Gravity with a number of lift stations due to terrain of service area

D. Number and Capacity of Sewage Lift Stations: *16*

E. Sewage Collection System:

Lineal Feet of Collector Lines, by size: 6" _____ 8" 128,907
10" 4,500 12" 3,000 Larger

Date(s) Constructed: various times

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

WWTP is in good condition – main influent pumps will be replaced in the RD project. The collection system which has clay lines is in need of replacement – CAUD has a SRF application pending for this work.

II. 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 facilities of CAUD are a combination of the former City of Columbia water and wastewater facilities and the distribution system of the former Adair County Water District. The water treatment plant was constructed in 2008 and has a rated capacity of 5 MGD. There is room to expand the plant as needed. The Distribution system consists of approximately 500 miles of line, eleven water storage tanks, and eight pump stations.

If the applicant purchases water:

Seller(s): Jamestown
 Campbellsville

Present Estimated Market Value of Existing System: \$36m

- B. Water Storage:

Type: Ground Storage Tank ✓ Elevated Tank ✓
 Standpipe ✓ Other

Number of Storage Structures Eleven (11 – 3 are out of service)

Total Storage Volume Capacity 3,650,000 gallons – tanks in service

Date Storage Tank(s) Constructed: various times

- C. Water Distribution System:

Pipe Material PVC

Lineal Feet of Pipe:	3" Diameter	129.54 miles	4"	193.41 miles
	6"	107.55 miles	8"	44.50 miles

10" 0.02 miles 12" 24.71 miles
 18" 5.16 miles

Date(s) Water Lines Constructed Various times

Number and Capacity of Pump Station(s) – 8 stations ranging in size from 75 GPM to 750 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 system is in excellent shape. This project will address most of the system weaknesses outside of normal maintenance.

E. Percentage of Water Loss Existing System: 15.02 percent (2018 PSC Report)

III. EXISTING LONG-TERM INDEBTEDNESS

A. List of Bonds and Notes:

DATE OF ISSUE	BOND HOLDER	PRINCIPAL BALANCE	PAYMENT DATE	BOND TYPE ¹ WATER/SEWER		AMOUNT ON DEPOSIT IN RESERVE ACCOUNT
2004	RD	\$1,017,000	July/January	X		\$565,527 In Reserve account and CDs
2004	RD	\$403,000	April/October	X		
2006	RD	\$3,000,500	July/January	X		
2007	RD	\$651,500	July/January	X		
2008	RD	\$269,900	July/January	X		
2008	RD	\$101,100	April/October		X	
2008	KIA	\$2,260,853	June/December	X		
2009	RD	\$992,200	July/January	X		
2009	KIA	\$524,917	June/December	X		
2011	RD	\$1,095,000	July/January	X		
2012	RD	\$1,359,500	July/January	X		
2012	KIA	\$1,180,061	June/December	X		
2013	KIA	\$2,882,619	June/December	X		
2013	KRWFC	\$3,569,170	Monthly	67%	33%	
2014	RD	\$668,500	July/January	X		
2015	KIA	\$769,490	June/December	X		
2019	KIA	\$2,491,878	June/December	X		
2020	RD	\$1,815,000	July/January	88%	12%	
2020	KIA*	\$1,342,530	June/December	X		
2020	KIA*	\$2,104,870	June/December		X	

¹ If a combined issue, show attributable portion to each system.
 *2020 DWSR and CWSRF applications are pending

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

DATE OF ISSUE	BOND HOLDER	PAYMENT YEAR: 2021		PAYMENT YEAR: 2022		PAYMENT YEAR: 2023	
		PRINCIPAL PAYMENT	INTEREST PAYMENT	PRINCIPAL PAYMENT	INTEREST PAYMENT	PRINCIPAL PAYMENT	INTEREST PAYMENT
2004	RD	\$24,758	\$39,660	\$25,830	\$38,587	\$26,950	\$37,468
2004	RD	\$11,242	\$14,514	\$11,730	\$14,026	\$12,238	\$13,518
2006	RD	\$63,143	\$121,251	\$65,962	\$118,432	\$68,906	\$115,488
2007	RD	\$13,241	\$25,888	\$13,815	\$25,314	\$14,414	\$24,715
2008	RD	\$4,988	\$10,907	\$5,210	\$10,685	\$5,443	\$10,452
2008	RD	\$1,969	\$3,905	\$2,052	\$3,822	\$2,138	\$3,736
2008	KIA	\$233,642	\$20,338	\$235,984	\$17,410	\$238,350	\$14,454
2009	RD	\$22,175	\$20,449	\$22,708	\$19,917	\$23,253	\$19,371
2009	KIA	\$51,177	\$5,140	\$51,690	\$4,498	\$52,208	\$3,850
2011	RD	\$21,273	\$30,276	\$21,920	\$29,629	\$22,586	\$28,962
2012	RD	\$28,327	\$25,849	\$28,935	\$25,241	\$29,556	\$24,620
2012	KIA	\$83,719	\$12,425	\$83,559	\$11,377	\$85,407	\$10,318
2013	KIA	\$196,703	\$30,573	\$198,675	\$28,108	\$200,667	\$16,169
2013	KRWFC	\$209,166	\$88,505	\$212,916	\$79,510	\$212,070	\$70,356
2014	RD	\$13,441	\$11,263	\$13,665	\$11,009	\$13,923	\$10,751
2015	KIA	\$26,578	\$8,879	\$13,588	\$8,551	\$27,113	\$8,209
2019	KIA	\$75,483	\$23,236	\$76,050	\$22,479	\$76,622	\$21,718
2020	RD	\$29,110	\$38,286	\$29,735	\$37,661	\$30,373	\$37,023
2020	KIA	\$63,988	\$9,948	\$64,309	\$9,708	\$64,631	\$8,983
2020	KIA	\$100,325	\$15,597	\$100,827	\$14,843	\$101,332	\$14,086

C. Existing Short-Term Indebtedness

List of All Short-Term Debts: (Do Not Show Any Debt Listed in Paragraph IV above)

Lendor or Lessor	Date of Issue (Month & Year)	Principal Balance	Purpose (Water and/ or Sewer)	Payment Date	Principal & Interest Payment (P&I)	Date to Be Paid In Full
Bk of Columbia	8/21/2019	\$109,317	Land for Office	21 st of each month	\$2,474.25	9/21/2023

IV. LAND AND RIGHTS - EXISTING SYSTEM(S)

Number of Treatment Plant Sites:	Water - 1	<i>Sewer - 1</i>
Number of Storage Tank Sites:	Water – 8 active	<i>Sewer</i>
Number of Pump Stations:	Water - 8	<i>Sewer - 16</i>
Total Acreage:	Water -	<i>Sewer</i>
Purchase Price:	Water \$	<i>Sewer \$</i>

V. NUMBER OF EXISTING USERS

	Water	Sewer
Residential *	7,581	1,468
Commercial	488	274
Wholesale	3	
Total	8,072	1,742

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

VI. 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>
5/8" x 3/4"	\$600.00	\$500.00
1 - Inch	Actual Cost of Installation	Actual Cost of Installation

VII. SEWER RATES (EXISTING SYSTEM)

Percentage of water bill _____ %.
Minimum Charge \$ 5.00 (no usage) and \$5.20 per 1,000 gallons thereafter.

Date this rate went into effect: 7/23/2014

VIII. WATER RATES EXISTING SYSTEM

Existing Rate Schedule:

5/8 Inch Meter					
First	2,000	Gallons	\$19.90	Minimum Bill	
Next	3,000	Gallons	\$7.00	Per 1,000 Gallons	
Next	5,000	Gallons	\$6.25	Per 1,000 Gallons	
Next	15,000	Gallons	\$5.20	Per 1,000 Gallons	
All Over	25,000	Gallons	\$4.45	Per 1,000 Gallons	
1 Inch Meter					
First	5,000	Gallons	\$40.90	Minimum Bill	
Next	5,000	Gallons	\$6.25	Per 1,000 Gallons	
Next	15,000	Gallons	\$5.20	Per 1,000 Gallons	
All Over	25,000	Gallons	\$4.45	Per 1,000 Gallons	

1.5 Inch Meter				
First	10,000	Gallons	\$72.15	Minimum Bill
Next	15,000	Gallons	\$5.20	Per 1,000 Gallons
All Over	25,000	Gallons	\$4.45	Per 1,000 Gallons
2 Inch Meter				
First	16,000	Gallons	\$103.35	Minimum Bill
Next	9,000	Gallons	\$5.20	Per 1,000 Gallons
All Over	25,000	Gallons	\$4.45	Per 1,000 Gallons
Wholesale				
City of Edmonton			\$2.25	Per 1,000 Gallons
Green Taylor Water			\$2.50	Per 1,000 Gallons
East Casey Water			\$2.50	Per 1000 Gallons

Date This Rate Went into Effect: 2/3/2012

IX. ANALYSIS OF ACTUAL SEWER USAGE - EXISTING SYSTEM

MONTHLY WATER USAGE	Average - R	Average - C	Residential		Commercial	
			No. of Users	Usage	No. of Users	Usage
Base Rate *			20		3	
0 - 999 Gal.	379	358	256	97,033	97	34,589
1,000 - 1,999 Gal.	1,459	1,379	301	438,878	47	64,222
2,000 - 2,999 Gal.	2,440	2,412	273	666,378	22	53,322
3,000 - 3,999 Gal.	3,421	3,442	214	731,656	13	45,122
4,000 - 4,999 Gal.	4,415	4,376	141	621,100	10	45,700
5,000 - 5,999 Gal.	5,421	5,370	80	432,489	9	45,944
6,000 - 6,999 Gal.	6,393	6,438	56	357,311	6	35,767
7,000 - 7,999 Gal.	7,419	7,471	29	212,678	6	42,333
8,000 - 8,999 Gal.	8,429	8,426	19	162,022	4	31,833
9,000 - 9,999 Gal.	9,409	9,368	15	145,311	3	29,144
10,000 - 10,999 Gal.	10,433	10,459	10	105,489	3	33,700
11,000 - 11,999 Gal.	11,400	11,386	6	72,200	2	27,833
12,000 - 12,999 Gal.	12,429	12,507	6	70,433	2	20,844
13,000 - 13,999 Gal.	13,284	13,518	4	47,233	1	16,522
14,000 - 14,999 Gal.	14,463	14,514	3	43,389	1	11,289
15,000 - 15,999 Gal.	15,324	15,344	2	28,944	1	15,344
16,000 - 16,999 Gal.	16,380	16,294	2	27,300	2	28,967
17,000 - 17,999 Gal.	17,333	17,467	2	28,889	1	17,467
18,000 - 18,999 Gal.	18,456	18,586	1	18,456	1	14,456
19,000 - 19,999 Gal.	19,250	19,525	1	17,111	2	43,389
20,000 & Over	69,170	66,400	28	1,952,122	39	2,596,967
<i>Subtotal</i>			1,468	6,276,422	274	3,254,756
Average Monthly Usage				4,276		11,893
Totals			1,468	6,276,422	274	3,254,756

X. ANALYSIS OF ACTUAL WATER USAGE - EXISTING SYSTEM

MONTHLY WATER USAGE			Residential		Commercial	
			No. of Users	Usage	No. of Users	Usage
5/8 Inch & 3/4 Inch	Average - R	Average - C				
0 - 999 Gal.	290	328	1,555	450,978	169	55,367
1,000 - 1,999 Gal.	1,475	1,373	1,329	1,960,322	71	98,111
2,000 - 2,999 Gal.	2,442	2,438	1,332	3,253,811	37	90,189
3,000 - 3,999 Gal.	3,419	3,443	1,057	3,613,367	23	80,722
4,000 - 4,999 Gal.	4,418	4,408	712	3,144,856	20	88,167
5,000 - 5,999 Gal.	5,409	5,381	439	2,373,400	15	83,111
6,000 - 6,999 Gal.	6,418	6,417	303	1,947,533	13	81,989
7,000 - 7,999 Gal.	7,422	7,438	187	1,391,144	9	69,422
8,000 - 8,999 Gal.	8,422	8,433	128	1,074,311	7	56,222
9,000 - 9,999 Gal.	9,443	9,340	89	840,422	6	51,889
10,000 - 10,999 Gal.	10,426	10,457	65	674,244	4	42,989
11,000 - 11,999 Gal.	11,446	11,363	46	526,533	3	37,878
12,000 - 12,999 Gal.	12,410	12,520	39	485,378	2	27,822
13,000 - 13,999 Gal.	13,433	13,519	28	371,644	2	24,033
14,000 - 14,999 Gal.	14,419	14,586	25	355,667	1	11,344
15,000 - 15,999 Gal.	15,431	15,422	18	270,900	1	15,422
16,000 - 16,999 Gal.	16,456	16,392	15	252,322	1	21,856
17,000 - 17,999 Gal.	17,453	17,433	12	203,622	1	11,622
18,000 - 18,999 Gal.	18,402	18,520	10	192,200	1	10,289
19,000 - 19,999 Gal.	19,452	19,600	9	179,389	1	26,133
20,000 & Over	46,118	49,667	105	4,826,978	18	882,967
<i>Subtotal</i>			7,502	28,389,022	405	1,867,544
Average Monthly Usage				3,784		4,606
1 Inch Meter						
0 - 999 Gal.	379	329	1	379	6	1,976
1,000 - 1,999 Gal.	1,467	1,492	3	4,400	3	4,476
2,000 - 2,999 Gal.	2,390	2,416	4	9,559	2	4,832
3,000 - 3,999 Gal.	3,402	3,432	3	10,207	3	10,297
4,000 - 4,999 Gal.	4,522	4,376	2	9,044	3	13,129
5,000 - 5,999 Gal.	5,338	5,550	1	5,338	1	5,550
6,000 - 6,999 Gal.	6,446	6,535	1	6,446	1	6,535
7,000 - 7,999 Gal.	7,400	7,454	1	7,400	1	7,454
8,000 - 8,999 Gal.	8,600	8,475			1	8,475
9,000 - 9,999 Gal.	9,471	9,225	1	9,471		
10,000 - 10,999 Gal.	10,550	10,357	1	10,550	1	10,357
11,000 - 11,999 Gal.	11,491	11,650	1	11,491		
12,000 - 12,999 Gal.	12,550	12,450				
13,000 - 13,999 Gal.		13,633			1	13,633
15,000 - 15,999 Gal.		15,550			1	15,550
17,000 - 17,999 Gal.		17,357			2	34,714

20,000 & Over	94,520	36,470	4	378,080	5	182,350
	<i>Subtotal</i>		<u>23</u>	<u>462,366</u>	<u>31</u>	<u>319,329</u>
1.5 Inch Meter						
0 - 999 Gal.	138	250	1	138	1	250
1,000 - 1,999 Gal.	1,486	1,217	1	1,486	1	1,217
4,000 - 4,999 Gal.	4,425		1	4,425		
6,000 - 6,999 Gal.	6,300		1	6,300		
8,000 - 8,999 Gal.	8,320		1	8,320		
9,000 - 9,999 Gal.		9,100			1	9,100
20,000 & Over	216,816	160,100	3	650,448	3	480,300
	<i>Subtotal</i>		<u>8</u>	<u>671,117</u>	<u>6</u>	<u>490,867</u>
2 Inch Meter						
0 - 999 Gal.	63	196	4	251	5	981
1,000 - 1,999 Gal.	1,385	1,383	1	1,385	1	1,383
2,000 - 2,999 Gal.	2,420	2,467	2	4,840		
3,000 - 3,999 Gal.	3,442	3,500	2	6,883		
4,000 - 4,999 Gal.	4,323	4,360	2	8,647	1	4,360
5,000 - 5,999 Gal.	5,418	5,310	2	10,836	1	5,310
6,000 - 6,999 Gal.	6,396	6,400	2	12,793		
7,000 - 7,999 Gal.	7,332	7,444	1	7,332	1	7,444
8,000 - 8,999 Gal.	8,380	8,514	1	8,380		
9,000 - 9,999 Gal.	9,431	9,536	1	9,431	1	9,536
10,000 - 10,999 Gal.	10,421	10,400	2	20,842	1	10,400
11,000 - 11,999 Gal.	11,451	11,550	1	11,451		
12,000 - 12,999 Gal.	12,334	12,350			1	12,350
13,000 - 13,999 Gal.	13,509	13,367	1	13,509		
14,000 - 14,999 Gal.	14,502	14,375	1	14,502		
15,000 - 15,999 Gal.	15,333	15,400				
16,000 - 16,999 Gal.	16,496	16,400	1	16,496	1	16,400
17,000 - 17,999 Gal.	17,542	17,250	1	17,542		
18,000 - 18,999 Gal.	18,383	18,638	1	18,383	1	18,638
19,000 - 19,999 Gal.	19,500	19,325				
20,000 & Over	98334	88123	22	2,163,348	32	2,819,936
	<i>Subtotal</i>		<u>48</u>	<u>2,346,851</u>	<u>46</u>	<u>2,906,739</u>
Wholesale Customers						
City of Edmonton		2,845,502			1	2,845,502
Green Taylor Water District		3,433			1	3,433
East Casey Water District		-			1	-
Totals			7,581	31,869,356	491	8,433,414

XI. FACILITY CHARACTERISTICS OF PROPOSED SEWER SYSTEM –

A. Sewage Treatment:

1. *Type: No Change Adding new influent pumps only*
2. *Method of Sludge Disposal: No Change*
3. *Cost per 1,000 gallons if sewage treatment is contracted: N/A*

B. Treatment Capacity of Sewage Treatment Plant: No Change

C. Type of Sewage Collector System (Describe): No Change

D. Number and Capacity of Sewage Lift Stations: No Change

E. Sewage Collection System: No Change

*Lineal Feet of Collector Lines, by size: 6" _____ 8" _____
10" _____ 12" _____ Larger _____*

XII. LAND AND RIGHTS - PROPOSED SEWER SYSTEM NOT APPLICABLE

Number of Treatment Plant Sites

Number of Pump Stations

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.

No change to water source with this project.

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

Lineal Feet of Pipe:	3" Diameter	4"	18,000 LF
	6" 2,800 LF	8"	7,100 LF
	10"	12"	

Number and Capacity of Pump Station(s) 0

XIV. LAND AND RIGHTS - PROPOSED WATER SYSTEM

Number of Treatment Plant Sites 0

Number of Pump Sites 0

Number of Other Sites 19 – telemetry on existing facilities

Total Acreage

Purchase Price \$0

XV. NUMBER OF NEW SEWER USERS – NOT APPLICABLE – no new sewer customers will be added with this project.

*Residential (In Town)**

*Residential (Out of Town)**

Non-Residential (In Town)

Non-Residential (Out of Town)

Total

Number of Total Potential Users Living in the Service Area

*** 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 METER CONNECTION – NOT APPLICABLE

NOT APPLICABLE

XVII. NUMBER OF NEW WATER USERS

Residential (In Town)*	0
Residential (Out of Town)*	15
Non-Residential (In Town)	0
Non-Residential (Out of Town)	0
Total	0

Number of Total Potential Users Living in the Service Area approx. 380

* 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 METER CONNECTION

<u>Meter Size</u>	<u>Connection Fee</u>
5/8" x 3/4"	No Change
1 – Inch & Larger	No Change

XIX. SEWER RATES – PROPOSED –

\$7.00 minimum, no usage; \$7.20 Per 1,000 gallons water purchased

XX. WATER RATES – PROPOSED

A. Proposed Rate Schedule **without** RUS Grant:

5/8 Inch Meter			
First	1,000	Gallons	\$20.15 Minimum Bill
Next	4,000	Gallons	\$7.12 Per 1,000 Gallons
Next	5,000	Gallons	\$6.37 Per 1,000 Gallons
Next	15,000	Gallons	\$5.32 Per 1,000 Gallons
All Over	25,000	Gallons	\$4.57 Per 1,000 Gallons
1 Inch Meter			
First	5,000	Gallons	\$48.63 Minimum Bill
Next	5,000	Gallons	\$6.37 Per 1,000 Gallons

Next	15,000	Gallons	\$5.32	Per 1,000 Gallons
All Over	25,000	Gallons	\$4.57	Per 1,000 Gallons
1.5 Inch Meter				
First	10,000	Gallons	\$80.48	Minimum Bill
Next	15,000	Gallons	\$5.32	Per 1,000 Gallons
All Over	25,000	Gallons	\$4.57	Per 1,000 Gallons
2 Inch Meter				
First	16,000	Gallons	\$115.65	Minimum Bill
Next	9,000	Gallons	\$5.32	Per 1,000 Gallons
All Over	25,000	Gallons	\$4.57	Per 1,000 Gallons
Wholesale Rates				
City of Edmonton			\$2.25	Per 1,000 Gallons
Green Taylor Water			\$2.50	Per 1,000 Gallons
East Casey Water			\$2.50	Per 1,000 Gallons

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 with RD Grant:

5/8 Inch Meter				
First	1,000	Gallons	\$19.90	Minimum Bill
Next	4,000	Gallons	\$7.00	Per 1,000 Gallons
Next	5,000	Gallons	\$6.25	Per 1,000 Gallons
Next	15,000	Gallons	\$5.20	Per 1,000 Gallons
All Over	25,000	Gallons	\$4.45	Per 1,000 Gallons
1 Inch Meter				
First	5,000	Gallons	\$47.90	Minimum Bill
Next	5,000	Gallons	\$6.25	Per 1,000 Gallons
Next	15,000	Gallons	\$5.20	Per 1,000 Gallons
All Over	25,000	Gallons	\$4.45	Per 1,000 Gallons
1.5 Inch Meter				
First	10,000	Gallons	\$79.15	Minimum Bill
Next	15,000	Gallons	\$5.20	Per 1,000 Gallons
All Over	25,000	Gallons	\$4.45	Per 1,000 Gallons
2 Inch Meter				
First	16,000	Gallons	\$110.35	Minimum Bill
Next	9,000	Gallons	\$5.20	Per 1,000 Gallons
All Over	25,000	Gallons	\$4.45	Per 1,000 Gallons

Wholesale Rates

City of Edmonton

\$2.25 Per 1,000 Gallons

Green Taylor Water

\$2.50 Per 1,000 Gallons

East Casey Water

\$2.50 Per 1,000 Gallons

XXI. FORECAST OF SEWER - INCOME - EXISTING SYSTEM

MONTHLY WATER USAGE			Residential			Commercial				
	Average - R	Average - C	Average Rate - R	Average Rate - C	No. of Users	Usage	Income	No. of Users	Usage	Income
Base Rate			\$ 7.00	\$ 7.00	20		\$ 140.00	3		\$ 21.00
0 - 999 Gal.	379	358	\$ 9.73	\$ 9.58	256	97,033	\$ 2,492.20	97	34,589	\$ 924.93
1,000 - 1,999 Gal.	1,459	1,379	\$ 17.50	\$ 16.93	301	438,878	\$ 5,266.14	47	64,222	\$ 788.29
2,000 - 2,999 Gal.	2,440	2,412	\$ 24.57	\$ 24.36	273	666,378	\$ 6,709.70	22	53,322	\$ 538.70
3,000 - 3,999 Gal.	3,421	3,442	\$ 31.63	\$ 31.78	214	731,656	\$ 6,765.14	13	45,122	\$ 416.66
4,000 - 4,999 Gal.	4,415	4,376	\$ 38.79	\$ 38.50	141	621,100	\$ 5,456.59	10	45,700	\$ 402.15
5,000 - 5,999 Gal.	5,421	5,370	\$ 46.03	\$ 45.66	80	432,489	\$ 3,672.36	9	45,944	\$ 390.69
6,000 - 6,999 Gal.	6,393	6,438	\$ 53.03	\$ 53.35	56	357,311	\$ 2,963.86	6	35,767	\$ 296.41
7,000 - 7,999 Gal.	7,419	7,471	\$ 60.42	\$ 60.79	29	212,678	\$ 1,731.95	6	42,333	\$ 344.47
8,000 - 8,999 Gal.	8,429	8,426	\$ 67.69	\$ 67.67	19	162,022	\$ 1,301.12	4	31,833	\$ 255.64
9,000 - 9,999 Gal.	9,409	9,368	\$ 74.74	\$ 74.45	15	145,311	\$ 1,154.35	3	29,144	\$ 231.62
10,000 - 10,999 Gal.	10,433	10,459	\$ 82.12	\$ 82.30	10	105,489	\$ 830.30	3	33,700	\$ 265.20
11,000 - 11,999 Gal.	11,400	11,386	\$ 89.08	\$ 88.98	6	72,200	\$ 564.17	2	27,833	\$ 217.51
12,000 - 12,999 Gal.	12,429	12,507	\$ 96.49	\$ 97.05	6	70,433	\$ 546.79	2	20,844	\$ 161.75
13,000 - 13,999 Gal.	13,284	13,518	\$ 102.65	\$ 104.33	4	47,233	\$ 364.97	1	16,522	\$ 127.52
14,000 - 14,999 Gal.	14,463	14,514	\$ 111.13	\$ 111.50	3	43,389	\$ 333.40	1	11,289	\$ 86.72
15,000 - 15,999 Gal.	15,324	15,344	\$ 117.33	\$ 117.48	2	28,944	\$ 221.62	1	15,344	\$ 117.48
16,000 - 16,999 Gal.	16,380	16,294	\$ 124.94	\$ 124.32	2	27,300	\$ 208.23	2	28,967	\$ 221.00
17,000 - 17,999 Gal.	17,333	17,467	\$ 131.80	\$ 132.76	2	28,889	\$ 219.67	1	17,467	\$ 132.76
18,000 - 18,999 Gal.	18,456	18,586	\$ 139.88	\$ 140.82	1	18,456	\$ 139.88	1	14,456	\$ 109.52
19,000 - 19,999 Gal.	19,250	19,525	\$ 145.60	\$ 147.58	1	17,111	\$ 129.42	2	43,389	\$ 327.96
20,000 & Over	69,170	66,400	\$ 505.02	\$ 485.08	28	1,952,122	\$ 14,252.84	39	2,596,967	\$ 18,971.94
Subtotal					1,468	6,276,422	\$ 55,464.68	274	3,254,756	\$ 25,349.91
Average Monthly Rate					\$ 37.79					
Average Monthly Usage					4,276			11,893		
Totals					1,468	6,276,422	\$ 55,464.68	274	3,266,649	\$ 25,349.91
Annual Total:							\$ 665,576	\$ 304,199		

XXII. FORECAST OF SEWER - INCOME - NEW USERS - EXTENSION ONLY

MONTHLY WATER USAGE	Average	Average	Residential			Commercial		
			No. of Users	Usage 1,000	Income	No. of Users	Usage 1,000	Income
<i>5/8 x 3/4 meter</i>								
0 - 999 Gal.		9.58						
1,000 - 1,999 Gal.	1,500	16.93		0	0	0	0	0
2,000 - 2,999 Gal.	2,500	24.36		0	0	0	0	0
3,000 - 3,999 Gal.	3,500	31.78		0	0	0	0	0
4,000 - 4,999 Gal.	4,500	38.50		0	0	0	0	0
5,000 - 5,999 Gal.	5,500	45.66		0	0	0	0	0
6,000 - 6,999 Gal.	6,500	53.35		0	0	0	0	0
7,000 - 7,999 Gal.	7,500	60.79		0	0	0	0	0
8,000 - 8,999 Gal.	8,500	67.67		0	0	0	0	0
9,000 - 9,999 Gal.	9,500	74.45		0	0	0	0	0
10,000 - 10,999 Gal.	10,500	82.30		0	0	0	0	0
11,000 - 11,999 Gal.	11,500	88.98		0	0	0	0	0
12,000 - 12,999 Gal.	12,500	97.05		0	0	0	0	0
13,000 - 13,999 Gal.	13,500	104.33		0	0	0	0	0
14,000 - 14,999 Gal.	14,500	111.50		0	0	0	0	0
15,000 - 15,999 Gal.	15,500	117.48		0	0	0	0	0
16,000 - 16,999 Gal.	16,500	124.32		0	0	0	0	0
17,000 - 17,999 Gal.	17,500	132.76		0	0	0	0	0
18,000 - 18,999 Gal.	18,500	140.82		0	0	0	0	0
19,000 - 19,999 Gal.	19,500	485.08		0	0	0	0	0
20,000 & Over	22,150	Subtotal		0		0		
		<i>Subtotal</i>		<i>0</i>	<i>0</i>	<i>\$0</i>	<i>0</i>	<i>0</i>
Average Monthly Rate								
Average Monthly Usage								
Totals	0	-	\$ -	0	-	\$ -	0	-
Annual Total:	\$ -				\$ -			

XXIII. CURRENT OPERATING BUDGET - (SEWER SYSTEM)*(As of the last full operating year)*

12/31/2018

A. *Operating Income:*

<i>Sewer Revenue</i>	\$673,687
<i>Late Charge Fees</i>	
<i>Other (Describe)</i>	

Less Allowances and Deductions

<i>Total Operating Income</i>	<u>\$673,687</u>
-------------------------------	------------------

B. *Operation and Maintenance Expenses:**(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)*

<i>Operation Expense</i>	\$385,992
<i>Maintenance Expense</i>	\$49,314
<i>Customer Accounts Expense</i>	
<i>Administrative and General Expense</i>	\$267,475

<i>Total Operating Expenses</i>	<u>\$702,781</u>
---------------------------------	------------------

<i>Net Operating Income</i>	<u>(\$29,094)</u>
-----------------------------	-------------------

C. *Non-Operating Income:**Interest on Deposits*
Other (Identify)

<i>Total Non-Operating Income</i>	<u>\$0</u>
-----------------------------------	------------

<i>Net Income</i>	<u>(\$29,094)</u>
-------------------	-------------------

E. *Debt Repayment:*

<i>RD Interest</i>	\$4,234
<i>RD Principal</i>	\$1,800
<i>Non-RD Interest</i>	\$37,266
<i>Non-RD Principal</i>	\$64,350

<i>Total Debt Repayment</i>	<u>\$107,650</u>
-----------------------------	------------------

<i>Balance Available for Coverage and Depreciation</i>	<u>(\$136,744)</u>
--	--------------------

**XXIV. PROPOSED OPERATING BUDGET - (SEWER SYSTEM) - EXISTING SYSTEM
AND NEW USERS (1st Full Year of Operation)**

Year Ending 12/31/2021

A.	Operating Income:	
	Sewer Revenue	\$969,775
	Late Charge Fees	
	Other (Describe)	
	Less Allowances and Deductions	
	Total Operating Income	\$969,775
B.	Operation and Maintenance Expenses: (Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
	Operation Expense	\$400,000
	Maintenance Expense	\$67,000
	Customer Accounts Expense	
	Administrative and General Expense	\$270,000
	Total Operating Expenses	\$737,000
	Net Operating Income	\$232,775
C.	Non-Operating Income:	
	Interest on Deposits	
	Other (Identify) Accrued Taxes	
	Total Non-Operating Income	\$0
D.	Net Income	\$232,775
E.	Debt Repayment:	
	RD Interest	\$8,499
	RD Principal	\$5,462
	Non-RD Interest	\$44,804
	Non-RD Principal	\$169,350
	Total Debt Repayment	\$228,115
F.	Balance Available for Coverage and Depreciation	\$4,660

XXV. PROPOSED OPERATING BUDGET - (SEWER SYSTEM) - NEW USERS- EXTENSION ONLY (1st Full Year of Operation)		Year Ending
A. Operating Income:		
Sewer Revenue		\$0
Late Charge Fees		
Other (Describe)		
<i>Less Allowances and Deductions</i>		
Total Operating Income		\$0
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 Expenses		\$0
Net Operating Income		\$0
C. Non-Operating Income:		
Interest on Deposits		
Other (Identify) Accrued Taxes		
Total Non-Operating Income		\$0
Net Income		\$0
E. Debt Repayment:		
RD Interest		
RD Principal		
Non-RD Interest		
Non-RD Principal		
Total Debt Repayment		\$0
Balance Available for Coverage and Depreciation		\$0

XXV. FORECAST OF WATER - INCOME - EXISTING SYSTEM

MONTHLY WATER USAGE			Residential				Commercial				
5/8 Inch & 3/4 Inch	Average - R	Average - C	Average Rate - R	Average Rate - C	No. of Users	Usage	Income	No. of Users	Usage	Income	
0- 999 Gal.	290	328	\$ 19.90	\$ 19.90	1,555	450,978	\$ 30,937.87	169	55,367	\$ 3,360.89	
1,000- 1,999 Gal.	1,475	1,373	\$ 23.22	\$ 22.51	1,329	1,960,322	\$ 30,869.22	71	98,111	\$ 1,608.41	
2,000- 2,999 Gal.	2,442	2,438	\$ 30.00	\$ 29.96	1,332	3,253,811	\$ 39,962.34	37	90,189	\$ 1,108.62	
3,000- 3,999 Gal.	3,419	3,443	\$ 36.83	\$ 37.00	1,057	3,613,367	\$ 38,926.00	23	80,722	\$ 867.49	
4,000- 4,999 Gal.	4,418	4,408	\$ 43.83	\$ 43.76	712	3,144,856	\$ 31,195.92	20	88,167	\$ 875.17	
5,000- 5,999 Gal.	5,409	5,381	\$ 50.46	\$ 50.28	439	2,373,400	\$ 22,139.40	15	83,111	\$ 776.59	
6,000- 6,999 Gal.	6,418	6,417	\$ 56.76	\$ 56.75	303	1,947,533	\$ 17,224.43	13	81,989	\$ 725.18	
7,000- 7,999 Gal.	7,422	7,438	\$ 63.04	\$ 63.14	187	1,391,144	\$ 11,815.60	9	69,422	\$ 589.29	
8,000- 8,999 Gal.	8,422	8,433	\$ 69.29	\$ 69.36	128	1,074,311	\$ 8,838.24	7	56,222	\$ 462.39	
9,000- 9,999 Gal.	9,443	9,340	\$ 75.67	\$ 75.03	89	840,422	\$ 6,734.49	6	51,889	\$ 416.81	
10,000- 10,999 Gal.	10,426	10,457	\$ 81.37	\$ 81.53	65	674,244	\$ 5,261.77	4	42,989	\$ 335.16	
11,000- 11,999 Gal.	11,446	11,363	\$ 86.67	\$ 86.24	46	526,533	\$ 3,986.87	3	37,878	\$ 287.46	
12,000- 12,999 Gal.	12,410	12,520	\$ 91.68	\$ 92.25	39	485,378	\$ 3,585.83	2	27,822	\$ 205.01	
13,000- 13,999 Gal.	13,433	13,519	\$ 97.00	\$ 97.45	28	371,644	\$ 2,683.70	2	24,033	\$ 173.24	
14,000- 14,999 Gal.	14,419	14,586	\$ 102.13	\$ 103.00	25	355,667	\$ 2,519.17	1	11,344	\$ 80.11	
15,000- 15,999 Gal.	15,431	15,422	\$ 107.39	\$ 107.35	18	270,900	\$ 1,885.31	1	15,422	\$ 107.35	
16,000- 16,999 Gal.	16,456	16,392	\$ 112.72	\$ 112.39	15	252,322	\$ 1,728.38	1	21,856	\$ 149.85	
17,000- 17,999 Gal.	17,453	17,433	\$ 117.91	\$ 117.80	12	203,622	\$ 1,375.59	1	11,622	\$ 78.54	
18,000- 18,999 Gal.	18,402	18,520	\$ 122.84	\$ 123.45	10	192,200	\$ 1,283.01	1	10,289	\$ 68.59	
19,000- 19,999 Gal.	19,452	19,600	\$ 128.30	\$ 129.07	9	179,389	\$ 1,183.21	1	26,133	\$ 172.09	
20,000 & Over	46,118	49,667	\$ 251.12	\$ 266.92	105	4,826,978	\$ 26,284.25	18	882,967	\$ 4,745.20	
<i>Subtotal</i>					7,502	28,389,022	\$ 290,420.61	405	1,867,544	\$17,193.43	
Average Monthly Rate			\$ 39.39	\$ 45.14							
Average Monthly Usage						3,784			4,606		

1 Inch Meter

0- 999 Gal.	379	329	\$ 47.90	\$ 47.90	1	379	\$ 47.90	6	1,976	\$ 287.40
1,000 - 1,999 Gal.	1,467	1,492	\$ 47.90	\$ 47.90	3	4,400	\$ 143.70	3	4,476	\$ 143.70
2,000 - 2,999 Gal.	2,390	2,416	\$ 47.90	\$ 47.90	4	9,559	\$ 191.60	2	4,832	\$ 95.80
3,000 - 3,999 Gal.	3,402	3,432	\$ 47.90	\$ 47.90	3	10,207	\$ 143.70	3	10,297	\$ 143.70

4,000- 4,999 Gal.	4,522	4,376	\$ 47.90	\$ 47.90	2	9,044	\$ 95.80	3	13,129	\$ 143.70
5,000- 5,999 Gal.	5,338	5,550	\$ 50.01	\$ 51.34	1	5,338	\$ 50.01	1	5,550	\$ 51.34
6,000- 6,999 Gal.	6,446	6,535	\$ 56.94	\$ 57.50	1	6,446	\$ 56.94	1	6,535	\$ 57.50
7,000- 7,999 Gal.	7,400	7,454	\$ 62.90	\$ 63.24	1	7,400	\$ 62.90	1	7,454	\$ 63.24
8,000- 8,999 Gal.	8,600	8,475	\$ 70.40	\$ 69.62				1	8,475	\$ 69.62
9,000- 9,999 Gal.	9,471	9,225	\$ 75.85	\$ 74.31	1	9,471	\$ 75.85			
10,000- 10,999 Gal.	10,550	10,357	\$ 82.01	\$ 81.01	1	10,550	\$ 82.01	1	10,357	\$ 81.01
11,000- 11,999 Gal.	11,491	11,650	\$ 86.90	\$ 87.73	1	11,491	\$ 86.90			
12,000- 12,999 Gal.	12,550	12,450	\$ 92.41	\$ 91.89						
13,000- 13,999 Gal.		13,633		\$ 98.04				1	13,633	\$ 98.04
15,000- 15,999 Gal.		15,550		\$ 108.01				1	15,550	\$ 108.01
17,000- 17,999 Gal.		17,357		\$ 117.41				2	34,714	\$ 234.81
20,000 & Over	94,520	36,470	\$ 466.51	\$ 208.19	4	378,080	\$ 1,866.06	5	182,350	\$ 1,040.96
<i>Subtotal</i>					23	462,366	\$ 2,903.36	31	319,329	\$ 2,618.82

1.5 Inch Meter

0- 999 Gal.	138	250	\$ 79.15	\$ 79.15	1	138	\$ 79.15	1	250	\$ 79.15
1,000- 1,999 Gal.	1,486	1,217	\$ 79.15	\$ 79.15	1	1,486	\$ 79.15	1	1,217	\$ 79.15
4,000- 4,999 Gal.	4,425		\$ 79.15		1	4,425	\$ 79.15			
6,000- 6,999 Gal.	6,300		\$ 79.15		1	6,300	\$ 79.15			
8,000- 8,999 Gal.	8,320		\$ 79.15		1	8,320	\$ 79.15			
9,000- 9,999 Gal.		9,100	\$ 79.15	\$ 79.15				1	9,100	\$ 79.15
20,000 & Over	216,816	160,100	\$ 1,010.73	\$ 758.35	3	650,448	\$ 3,032.19	3	480,300	\$ 2,275.04
<i>Subtotal</i>					8	671,117	\$ 3,427.94	6	490,867	\$ 2,512.49

2 Inch Meter

0- 999 Gal.	63	196	\$ 110.35	\$ 110.35	4	251	\$ 441.40	5	981	\$ 551.75
1,000- 1,999 Gal.	1,385	1,383	\$ 110.35	\$ 110.35	1	1,385	\$ 110.35	1	1,383	\$ 110.35
2,000- 2,999 Gal.	2,420	2,467	\$ 110.35	\$ 110.35	2	4,840	\$ 220.70			
3,000- 3,999 Gal.	3,442	3,500	\$ 110.35	\$ 110.35	2	6,883	\$ 220.70	1	3,500	\$ 110.35
4,000- 4,999 Gal.	4,323	4,360	\$ 110.35	\$ 110.35	2	8,647	\$ 220.70	1	4,360	\$ 110.35
5,000- 5,999 Gal.	5,418	5,310	\$ 110.35	\$ 110.35	2	10,836	\$ 220.70	1	5,310	\$ 110.35
6,000- 6,999 Gal.	6,396	6,400	\$ 110.35	\$ 110.35	2	12,793	\$ 220.70			
7,000- 7,999 Gal.	7,332	7,444	\$ 110.35	\$ 110.35	1	7,332	\$ 110.35	1	7,444	\$ 110.35
8,000- 8,999 Gal.	8,380	8,514	\$ 110.35	\$ 110.35	1	8,380	\$ 110.35			
9,000- 9,999 Gal.	9,431	9,536	\$ 110.35	\$ 110.35	1	9,431	\$ 110.35	1	9,536	\$ 110.35

10,000 - 10,999 Gal.	10,421	10,400	\$ 110.35	\$ 110.35	2	20,842	\$ 220.70	1	10,400	\$ 110.35
11,000 - 11,999 Gal.	11,451	11,550	\$ 110.35	\$ 110.35	1	11,451	\$ 110.35			
12,000 - 12,999 Gal.	12,334	12,350	\$ 110.35	\$ 110.35				1	12,350	\$ 110.35
13,000 - 13,999 Gal.	13,509	13,367	\$ 110.35	\$ 110.35	1	13,509	\$ 110.35			
14,000 - 14,999 Gal.	14,502	14,375	\$ 110.35	\$ 110.35	1	14,502	\$ 110.35			
15,000 - 15,999 Gal.	15,333	15,400	\$ 110.35	\$ 110.35						
16,000 - 16,999 Gal.	16,496	16,400	\$ 112.93	\$ 112.43	1	16,496	\$ 112.93	1	16,400	\$ 112.43
17,000 - 17,999 Gal.	17,542	17,250	\$ 118.37	\$ 116.85	1	17,542	\$ 118.37			
18,000 - 18,999 Gal.	18,383	18,638	\$ 122.74	\$ 124.07	1	18,383	\$ 122.74	1	18,638	\$ 124.07
19,000 - 19,999 Gal.	19,500	19,325	\$ 128.55	\$ 127.64						
20,000 & Over	98,334	88,123	\$ 483.49	\$ 438.05	22	2,163,348	\$ 10,636.70	32	2,819,936	\$ 14,017.52
<i>Subtotal</i>					48	2,346,851	\$ 13,528.79	47	2,910,239	\$ 15,688.57

Wholesale Customers

City of Edmonton	2,845,502		\$ 6,402.38					1	2,845,502	\$6,402.38
Green Taylor Water District	3,433		\$ 8.58					1	3,433	\$8.58
East Casey Water District	-		\$ -					1	-	\$0.00

Totals	7,581	31,869,356	\$ 310,280.70		492	6,586,563	\$44,424.26
---------------	--------------	-------------------	----------------------	--	------------	------------------	--------------------

Annual Total: **\$ 3,723,368** **\$ 533,091**

XXVI. FORECAST OF WATER - INCOME - NEW USERS - EXTENSION ONLY

MONTHLY WATER USAGE	Average	Residential			Commercial			
		Average Rate	No. of Users	Usage 1,000	Income	No. of Users	Usage 1,000	Income
<i>5/8 x 3/4 meter</i>								
0 - 999 Gal.		19.90						
1,000 - 1,999 Gal.	1,500	23.22	3	5	70	0	0	
2,000 - 2,999 Gal.	2,500	30.00	3	8	70	0	0	
3,000 - 3,999 Gal.	3,500	36.83	3	11	90	0	0	
4,000 - 4,999 Gal.	4,500	43.83	1	5	37	0	0	
5,000 - 5,999 Gal.	5,500	50.46	1	6	44	0	0	
6,000 - 6,999 Gal.	6,500	56.76	1	7	50	0	0	
7,000 - 7,999 Gal.	7,500	63.04	1	8	57	0	0	
8,000 - 8,999 Gal.	8,500	69.29	1	9	63	0	0	
9,000 - 9,999 Gal.	9,500	75.67	1	10	69	0	0	
10,000 - 10,999 Gal.	10,500	81.37		0	0	0	0	
11,000 - 11,999 Gal.	11,500	86.67		0	0	0	0	
12,000 - 12,999 Gal.	12,500	91.68		0	0	0	0	
13,000 - 13,999 Gal.	13,500	97.00		0	0	0	0	
14,000 - 14,999 Gal.	14,500	102.13		0	0	0	0	
15,000 - 15,999 Gal.	15,500	107.39		0	0	0	0	
16,000 - 16,999 Gal.	16,500	112.72		0	0	0	0	
17,000 - 17,999 Gal.	17,500	117.91		0	0	0	0	
18,000 - 18,999 Gal.	18,500	122.84		0	0	0	0	
19,000 - 19,999 Gal.	19,500	317.87		0	0	0	0	
20,000 & Over	22,150	Subtotal		0		0		
		<i>Subtotal</i>	<u>15</u>	<u>65</u>	<u>\$550</u>	<u>0</u>	<u>0</u>	<u>\$0</u>
Average Monthly Rate								
Average Monthly Usage								
Totals			15	65	\$ 549.54	0	-	\$ -
Annual Total:					\$ 6,594			\$ -

XXVIII. CURRENT OPERATING BUDGET - (WATER SYSTEM) - EXISTING USERS

(1st Full Year of Operation)

Year Ending

12/31/2018

A.	Operating Income:	
	Water Sales	\$ 3,724,027
	Disconnect/Reconnect/Late Charge Fees	\$ 160,014
	Other (Describe)	
	Less Allowances and Deductions	
	Total Operating Income	<u>\$ 3,884,041</u>
B.	Operation and Maintenance Expenses: (Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
	Source of Supply Expense	\$ 3,592
	Pumping Expense	
	Water Treatment Expense	\$ 178,528
	Transmission and Distribution Expense	\$ 870,641
	Customer Accounts Expense	\$ 96,305
	Administrative and General Expense	<u>\$ 1,363,435</u>
	Total Operating Expenses	<u>\$ 2,512,501</u>
	Net Operating Income	\$ 1,371,540
C.	Non-Operating Income:	
	Interest on Deposits	\$ -
	Other (Identify)	
	Total Non-Operating Income	\$ -
D.	Net Income	<u>\$ 1,371,540</u>
E.	Debt Repayment:	
	RD Interest	\$ 332,303
	RD Principal	\$ 182,000
	Reserve	\$ 20,640
	Non-RD Interest	\$ 189,000
	Non-RD Principal	<u>\$ 780,232</u>
	Total Debt Repayment	\$ 1,504,175
F.	Balance Available for Coverage and Depreciation	\$ (132,635)
	Debt Coverage Ratio	0.91

XXXI. PROPOSED OPERATING BUDGET - (WATER SYSTEM) - EXISTING USERS

(1st Full Year of Operation)

Year Ending

A. Operating Income:

Water Sales	\$	4,256,459
Disconnect/Reconnect/Late Charge Fees	\$	170,000
Other (Describe)		

Less Allowances and Deductions

Total Operating Income	\$	<u>4,426,459</u>
------------------------	----	------------------

B. Operation and Maintenance Expenses:

(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)

Source of Supply Expense	\$	5,000
Pumping Expense		
Water Treatment Expense	\$	200,000
Transmission and Distribution Expense	\$	900,000
Customer Accounts Expense	\$	100,000
Administrative and General Expense	\$	<u>1,400,000</u>

Total Operating Expenses	\$	<u>2,605,000</u>
--------------------------	----	------------------

Net Operating Income	\$	1,821,459
----------------------	----	-----------

C. Non-Operating Income:

Interest on Deposits	\$	-
Other (Identify)		

Total Non-Operating Income	\$	-
----------------------------	----	---

D. Net Income

\$	<u>1,821,459</u>
----	------------------

E. Debt Repayment:

RD Interest	\$	333,749
RD Principal	\$	228,205
Reserve	\$	20,640
Non-RD Interest	\$	169,837
Non-RD Principal	\$	<u>871,431</u>

Total Debt Repayment	\$	1,623,862
----------------------	----	-----------

Short Lived Assets	\$	187,367
--------------------	----	---------

F. Balance Available for Coverage and Depreciation

\$	10,230
----	--------

Debt Coverage Ratio	1.12
---------------------	------

XXXII. PROPOSED OPERATING BUDGET - (WATER SYSTEM) - NEW USERS ONLY
(1st Full Year of Operation) Year Ending

A.	Operating Income:	
	Water Sales	\$ 6,594
	Disconnect/Reconnect/Late Charge Fees	\$ -
	Other (Describe)	
	Less Allowances and Deductions	
	Total Operating Income	\$ 6,594
B.	Operation and Maintenance Expenses: (Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
	Source of Supply Expense	\$ 10
	Pumping Expense	\$ -
	Water Treatment Expense	\$ 370
	Transmission and Distribution Expense	\$ 167
	Customer Accounts Expense	\$ 185
	Administrative and General Expense	\$ 2,600
	Total Operating Expenses	\$ 3,332
	Net Operating Income	\$ 3,262
C.	Non-Operating Income:	
	Interest on Deposits	
	Other (Identify)	
	Total Non-Operating Income	\$ -
D.	Net Income	\$ 3,262
E.	Debt Repayment:	
	RD Interest	\$ 620
	RD Principal	\$ 424
	Reserve	\$ 38
	Non-RD Interest	\$ 315
	Non-RD Principal	\$ 1,619
	Total Debt Repayment	\$ 3,016
	Short Lived Assets	\$ 348
F.	Balance Available for Coverage and Depreciation	\$ (102)

XXXI. ESTIMATED PROJECT COST -SEWER

	<u>Collection</u>	<u>Treatment</u>	<u>Total</u>
<i>Development</i>		\$ 251,500.00	\$ 251,500.00
<i>Land and Rights</i>			\$ -
<i>Legal</i>			\$ -
<i>Engineering</i>			\$ -
<i>Interest</i>			\$ -
<i>Contingencies</i>			\$ 25,200.00
<i>Initial O & M</i>			\$ -
<i>Other</i>			\$ -
TOTAL	\$ -	\$ 251,500.00	\$ 276,700.00

XXXII. PROPOSED PROJECT FUNDING - SEWER

	<u>Collection</u>	<u>Treatment</u>	<u>Total</u>
<i>Applicant - User Contribution Fees</i>			\$ -
<i>Other - Applicant Contribution</i>			\$ -
<i>RUS Loan</i>		\$ 276,650.00	\$ 276,650.00
<i>RUS Grant</i>			\$ -
<i>ARC Grant (If applicable)</i>			\$ -
<i>CDBG (If applicable)</i>			\$ -
<i>Other (Specify)</i>			\$ -
TOTAL	\$ -	\$ 276,650.00	\$ 276,650.00

XXXIII. ESTIMATED PROJECT COST - WATER

Development	\$	1,780,000
Land and Rights	\$	-
Legal	\$	5,000
Engineering	\$	308,230
Interest	\$	45,000
Contingencies	\$	178,000
Initial O & M	\$	-
Other	\$	-
TOTAL	\$	<u>2,316,230</u>

XXXIV. PROPOSED PROJECT FUNDING - WATER

Applicant - User Connection Fees

Other Applicant Contribution

RD Financial Assistance - Loan	\$	1,621,396
RD Grant	\$	694,884

Other -

Other -

Other -

TOTAL	\$	<u>2,316,280</u>
-------	----	------------------

XXXV. Short Lived Assets

Type of Reserve	User Description	Replacement Cost	Reserve on Hand	Annual Reserve
1-5 Years	New Copier at Office	\$ 5,000		\$ 1,000
1-5 Years	Upgrade Billing Software & Hardware	\$ 29,000		\$ 5,800
1-5 Years	Truck - 4	\$ 120,000		\$ 24,000
1-5 Years	Paint Tanks - 1	\$ 150,000		\$ 30,000
1-5 Years	Replace In Line PRVs - 5	\$ 25,000		\$ 5,000
1-5 Years	Service Equipment & Tools	\$ 18,000		\$ 3,600
1-5 Years				
1-5 Years				
1-5 Years				
Subtotal 1-5 Years				\$ 69,400
5-10 Years	Paint Tank - 3	\$ 450,000		\$ 45,000
5-10 Years	Truck - 4	\$ 120,000		\$ 12,000
5-10 Years	Replace In Line PRVs - 5	\$ 25,000		\$ 2,500
5-10 Years	Service Equipment & Tools	\$ 18,000		\$ 1,800
5-10 Years	Backhoe	\$ 130,000		\$ 13,000
5-10 Years				
5-10 Years				
Subtotal 5-10 Years				\$ 74,300
10-15 Years	Paint Tank - 3	\$ 450,000		\$ 30,000
10-15 Years	Truck - 5	\$ 150,000		\$ 10,000
10-15 Years	Service Equipment & Tools	\$ 18,000		\$ 1,200
10-15 Years	New Copier at Office	\$ 7,000		\$ 467
10-15 Years	Upgrade Billing Software & Hardware	\$ 30,000		\$ 2,000
10-15 Years				
10-15 Years				
10-15 Years				
10-15 Years				
Subtotal 10-15 Years				\$ 43,667

Replacement Reserve - Short Lived Assets

Annual Total: \$ 187,367
 Monthly Total: \$ 15,614