KENTUCKY GUIDE 7 MAY 1998 Submitted July 2020 Bell Engineering

SUMMARY ADDENDUM

TO

FINAL ENGINEERING REPORT (AS BID NUMBERS)

DATED JULY 2020

FOR

MCUPTON PUMP STATION REPLACEMENT AND WATER LINE UPGRADES

Name of Project

SCOTT BRIDGES
Application Contact Person

APPLICANT PHONE NUMBER 270-522-8425

APPLICANT TAX IDENTIFICATION NUMBER (TIN) 01-0678683

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 section 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 through the project will benefit only one utility.

Feasibility reviews and grant determination 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

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 Barkley Lake Water District (BLWD) desires to increase flow and improve pressure in the northern portion of their srvie area. The existing McUpton Pump Station (MPS) was constructed in the early 1970's and is not equipped to handle increasing pressure and demands generated by regional growth. The proposed project will eliminate the existing station by constructing a new station in the same vacinity. The new station will be equipped with variable speed drive triplex pumps and should increase operating efficiencies and improve overall operations in the northern portion of the system. In addition to the pump station work, select portions of distribution lines will be replaced to support the increase flows and operating pressures from the new pump station.

The engineers' opinion of probable construction cost for the project is \$653,299.00 with a corresponding opinion of probable project cost of \$852,500.00.

II. FACILITY CHARACTERISTICS OF EXISTING SEWER SYSTEM - NOT APPLICABLE

III. FACILITY CHARACTERISTICS OF EXISTING WATER SYSTEM

E. Percentage of Water Loss Existing 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 BLWD owns and operates a 4 MGD treatment facility. Water from said facility is used to supply customers within the service area as well as wholesale purchasers.

	If the applicant purchases water: Seller(s):	Not Applica	ble			
	Price/1,000 gallons:	Not Applica	ble			
	Present Estimated Market Value of Existing System: (Original cost per books – before depreciation)	According to FYE 2017 Audit the net position of the District is \$ 7,238,692 with Assets valued at \$ 15,166,523.				
В.	Water Storage:					
	Type:	Ground Stor Standpipe	rage Tank	- Elevated Tanl 3 Other	k 3	
	Number of Storage Structures				14_	
	Total Storage Volume Capacity Date Storage Tank(s) Constructed			19	2,850,000 960-Present	
C.	Water Distribution System:					
	Pipe Material Lineal Feet of Pipe: Piping sizes vary from 2" to 8" in diame	ter	Ductile Iron, PVC, A	AC, Cast Iron		
	Date(s) Water Lines Constructed Number and Capacity of Pump Station(s)	3" 6" 10" 14"	541,200 575,520 15,840 41,076	4" 8" 12" 16" 1960-Present unknown	1,230,240 179,520 79,200 21,120	
D.	Condition of Existing Water System: Briefly describe the condition and suitability for continued use needed within five to ten years.	e of facility no	ow owned by the applic	ant. Include any majo	or renovation that will be	
	Water treatment facility was recently upgraded. Existing systegood operating condition.	em is well ma	naged and repairs made	e as needed. The majo	ority of the system is in	

< 15%

IV. EXISTING LONG-TERM INDEBTEDNESS

A. List of Bonds and Notes: Bond/

	Bond/						
Date	Note	Principal	Maturity	Bond Ty	pe	Issue	Interest
of Issue	<u>Holder</u>	Balance	Date	Water/Sev	Water/Sewer*		Rate
		(12/31/17)		% Wtr	% Swr		
2005	Bond Series 2005	1,011,000	2044	100%	0%	1,185,000	4-6%
2008	Bond Series 2008C	2,160,000	2037	100%	0%	3,060,000	2.35-4.55%
2010	Bond Series 2010A	3,809,500	2051	100%	0%	4,002,000	3.375%
2010	Bond Series 2010B	1,683,485	2049	100%	0%	1,837,000	3%
<u>2012</u>	Bond Series 2012E	1,145,000	2033	100%	0%	1,465,000	2.2-3.55%
<u>2014</u>	Bond Series 2014	812,500	2055	100%	0%	825,000	2.75%

B. Principal and Interest Payments: According to FYE 2017 Audit

Maturity	<u>Principal</u>	Interest	<u>Total</u>
2,018	\$ 290,000.00	\$ 375,606.00	\$ 665,606.00
2,019	\$ 305,000.00	\$ 365,271.00	\$ 670,271.00
2,020	\$ 318,500.00	\$ 354,055.00	\$ 672,555.00
2,021	\$ 324,000.00	\$ 342,447.00	\$ 666,447.00
2,022	\$ 339,000.00	\$ 330,359.00	\$ 669,359.00

V. <u>EXISTING SHORT-TERM INDEBTEDNESS</u>

A. List of All Short Term Debts: (Do Not Show Any Debt Listed in Paragraph IV Above)

VI. <u>LAND AND RIGHTS - EXISTING SYSTEM(S)</u>

		Water		Sewer	
Number of Treatment Plant Sites:		1		n/a	
Number of Storage Tank Sites		6	_	n/a	
Number of Pump Stations:		5	_	n/a	
Total Acreage:		7	Acres	n/a	Acres
Purchase Price:	Water \$	N/A	_	<u>n/a</u>	

VII. NUMBER OF EXISTING USERS

	Water	Sewer	
Combined Customers	5,838	n/a	

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"	800	N/A
1"	800	N/A
1-1/2"	800	N/A
2"	800	N/A
4"	800	N/A

IX. SEWER RATES - EXISTING SYSTEM (NOT APPLICABLE) Date This Rate Went Into Effect

X. WATER RATES - EXISTING SYSTEM

Date This Rate Went Into Effect: 7/29/2014

Existing Rate Schedule

5/8" X 3/4" Meter								
First 2,000 Gallons @ \$20.55 Minimum								
Next	98,000	Gallons	<u>@</u>	\$6.92	per 1,000 Gallons.			
Next	400,000	Gallons	@	\$5.63	per 1,000 Gallons.			
Over	500,000	Gallons	<u>@</u>	\$4.11	per 1,000 Gallons.			
				1" Meter				
First	4,000	Gallons	<u>@</u>	\$34.39	Minimum			
Next	96,000	Gallons	<u>a</u>	\$6.92	per 1,000 Gallons.			
Next	400,000	Gallons	œ.	\$5.63	per 1,000 Gallons.			
Over	500,000	Gallons	œ	\$4.11	per 1,000 Gallons.			
				1-1/2" Meter				
First	8,000	Gallons	(a)	\$62.09	Minimum			
Next	92,000	Gallons	<u>@</u>	\$6.92	per 1,000 Gallons.			
Next	400,000	Gallons	<u>@</u>	\$5.63	per 1,000 Gallons.			
Over	500,000	Gallons	<u>@</u>	\$4.11	per 1,000 Gallons.			
				2" Meter				
First	15,000	Gallons	<u>@</u>	\$110.56	Minimum			
Next	85,000	Gallons	@	\$6.92	per 1,000 Gallons.			
Next	400,000	Gallons	<u>@</u>	\$5.63	per 1,000 Gallons.			
Over	500,000	Gallons	<u>@</u>	\$4.11	per 1,000 Gallons.			
4" Meter								
First	25,000	Gallons	<u>@</u>	\$179.81	Minimum			
Next	75,000	Gallons	<u>@</u>	\$6.92	per 1,000 Gallons.			
Next	400,000	Gallons	@	\$5.63	per 1,000 Gallons.			
Over	500,000	Gallons	@	\$4.11	per 1,000 Gallons.			

Wholesale Rate - 2.23 / 1,000 gallon

XI. ANALYSIS OF ACTUAL SEWER USAGE - EXISTING SYSTEM (N/A)

XII. ANALYSIS OF ACTUAL WATER USAGE - EXISTING SYSTEM (12 MONTH PERIOD JANUARY 2017 - DECEMBER 2017)

5/8"	X	3/4"	Meter ((Combined)	١
2/0	1	2/	IVICICI	Comonica	,

		5/8" x 3/4"	' Meter (Combi	ned)	
			-	No. of	Usage
	Water Usage	e	Average	Users	(1,000)
0	2,000	Gallons	505	3,630	1,833.2
2,001	100,000	Gallons	5,856	2,107	12,338.6
100,001	500,000	Gallons	-	-	
Over	500,000	Gallons		-	
		Total Monthly		5,737	14,172
	1	Average Usage	;		2.47
		Annua	1		170,060,904
		1" Me	ter (Combined))	
				No. of	Usage
	Water Usage	e	Average	Users	(1,000)
0	4,000	Gallons	1,180	49	57.8
4,001	100,000	Gallons	13,666	29	396.3
100,001	500,000	Gallons	-	-	
Over	500,000	Gallons		-	0.0
		Total Monthly		78	454
	1	Average Usage	;		5.82
		Annua	1		5,449,700
		1-1/2" N	Meter (Combine	ed)	
			``	No. of	Usage
	Water Usage	e	Average	Users	(1,000)
0	8,000	Gallons	1,331	4	5.3
8,001	100,000	Gallons	53,663	2	107.3
100,001	500,000	Gallons	467,792	1	467.8
Over	500,000	Gallons		-	
		Total Monthly		7	580
	1	Average Usage	;		82.92
		Annua			

2"	Meter ((Combined)

				No. of		Usage
	Water Usage	e	Average	Users		(1,000)
0	15,000	Gallons	2,497	1	7	42.5
15,001	100,000	Gallons	70,065		4	280.3
100,001	500,000	Gallons	279,117		1	279.1
Over	500,000	Gallons	-	-		
		Total Monthly		2	22	602
	1	Average Usage				27.36
		Annual				7,221,900
		4" Meter	r (Combine	d)		
				No. of		Usage
	Water Usag	e	Average	Users		(1,000)
0	25,000	Gallons	-	-		0.0
25,001	100,000	Gallons	-	-		0.0
100,001	500,000	Gallons	-	-		0.0
Over	500,000	Gallons	2,225,533		1	2,225.5
		Total Monthly			1	2,226
	1	Average Usage				2,225.53
		Annual				26,706,400
		Wholesale N	Meter (Comb	bined)		
				No. of		Usage
	Water Usage	e	Average	Users		(1,000)
0	1,000	Gallons	1,002,746		6	6,016.5
		Total Monthly			6	6,016
	1	Average Usage				1,002.75
		Annual				72,197,700
YON COUNT	Y WHOLESA	LE SALES ARE	APPROX.	9,884,000.0	00	GALLONS

XII. ANALYSIS OF PROJECTED WATER USAGE W/ 3.2% ANNUAL GROWTH MAINTAINING THE SAME AVERAGE USAGE PER CUSTOMER- EXISTING SYSTEM (12 MONTH PERIOD)

5/8" x 3/4" Meter (C	ombined)
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Usage
(1,000)
1,950.5
13,170.1
15,121
2.47
31,447,387
Usage
(1,000)
57.8
396.3
0.0
454
5.82
5,449,700
Usage
(1,000)
5.3
107.3
467.8
500
580
580 82.92

2" Meter (Combined)	2" M	leter ((Com	bined))
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			,	,	
				No. of	Usage
	Water Usage	e	Average	Users	(1,000)
0	15,000	Gallons	2,497	17	42.5
15,001	100,000	Gallons	70,065	4	280.3
100,001	500,000	Gallons	279,117	1	279.1
Over	500,000	Gallons			
		Total Monthly		22	602
	1	Average Usage			27.36
		Annual			7,221,900
		4" Met	er (Combined))	
				No. of	Usage
	Water Usage	e	Average	Users	(1,000)
0	25,000	Gallons	-	-	0.0
25,001	100,000	Gallons	-	-	0.0
100,001	500,000	Gallons	-	-	0.0
Over	500,000	Gallons	2,225,533	1	2,225.5
		Total Monthly		1	2,226
	1	Average Usage			2,225.53
		Annual			26,706,400
		Wholesale	Meter (Combi	ned)	
				No. of	Usage
	Water Usage	e	Average	Users	(1,000)
0	1,000	Gallons	1,016,635	6	6,099.8
		Total Monthly		6	6,100
	1	Average Usage			1,016.63
		Annual			73,197,700

^{* 10%} INCREASE IN SALES TO LYON INCREASES OVERALL WHOLESALE SALES BY APPROX. 1,000,000 GALLONS PER YEAR

XIII. FACILITY CHARACTERISTICS OF PROPOSED SEWER SYSTEM

<i>A</i> .	Sewage Treatment: (NOT APPL	LICABLE)				
1	Type N/A					
2	Method of Sludge Disposal	N/A		_		
3	Cost per 1,000 gallons if sewage	treatment is contracted	!:		N/A	
В.	Treatment Capacity of Sewage T	Freatment Plant		N/A	<u> </u>	
<i>C</i> .	Type of Sewage Collector System	n (Describe)		N/A		
D.	Number and Capacity of Sewago	e Lift Stations		N/A		
				N/A		
				N/A		
E.	Sewage Collection System:	Additional I	Linear Feet			
	<u>SIZE</u>	LENGTH (LF)				
	8-INCH	N/A				
	6-INCH	N/A	_			
	10-INCH	N/A	_			
XIV.	LAND AND RIGHTS - PROPO	SED SEWER SYSTEM	<u>t</u>			
	Number of Treatment Plant Site	es	N/A	ACRES		
	Number of Pump Sites		N/A	ACRES	(DONE BY EASEMENT)	
	Number of Other Sites		N/A	ACRES	(DONE BY EASEMENT)	
	Total Acreage		N/A	ACRES		
	Purchase Price		N/A			

$\underline{XV}.$ FACILITY CHARACTERISTICS OF PROPOSED WATER SYSTEM

Total Acreage Purchase Price

A.	Water Storage:	Additional Fa	acilities	
	Elevated Storage Tank Standpipe		N/A N/A	gallons gallons
	er of Storage Structures storage Volume / Capacity		N/A	
B.	Water Distribution System:		NO CHANG	Е
	Pipe Material: Lineal Feet of Pipe:	PE 3" 6" 10"	1,800	
C.	Number and Capacity of Pur	np Station(s)	1 PS TRIPLEX	CONFIG 100GPM
XVI. I	LAND AND RIGHTS - PROP	OSED WATE	R SYSTEM	
Numbe	er of Treatment Plant Sites er of Pump Sites er of Other Sites (Storage)			N/A 0.5 ACRES N/A

N/A 0.5 ACRES

N/A

XVII. NUMBER OF NEW SEWER USERS (NOT APPLICABLE)

XXII. WATER RATES – PROPOSED (6% FLAT RATE INCREASE TO ALL NON-WHOLESALE RATES)

A. Proposed Rate Schedule with RUS 25% Grant:

				5/8" X 3/4" Meter	
First	2,000	Gallons	@	\$21.78	Minimum
Next	98,000	Gallons	<u>@</u>	\$7.34	per 1,000 Gallons.
Next	400,000	Gallons	@	\$5.97	per 1,000 Gallons.
Over	500,000	Gallons	<u>@</u>	\$4.36	per 1,000 Gallons.
				1" Meter	
First	4,000	Gallons	@	\$36.45	Minimum
Next	96,000	Gallons	@	\$7.34	per 1,000 Gallons.
Next	400,000	Gallons	@	\$5.97	per 1,000 Gallons.
Over	500,000	Gallons	<u>@</u>	\$4.36	per 1,000 Gallons.
				1-1/2" Meter	
First	8,000	Gallons	<u>@</u>	\$65.82	Minimum
Next	92,000	Gallons	@	\$7.34	per 1,000 Gallons.
Next	400,000	Gallons	@	\$5.97	per 1,000 Gallons.
Over	500,000	Gallons	@	\$4.36	per 1,000 Gallons.
				2" Meter	
First	15,000	Gallons	(a)	\$117.19	Minimum
Next	85,000	Gallons	<u>a</u>	\$7.34	per 1,000 Gallons.
Next	400,000	Gallons	<u>a</u>	\$5.97	per 1,000 Gallons.
Over	500,000	Gallons	<u>@</u>	\$4.36	per 1,000 Gallons.
				4" Meter	
First	25,000	Gallons	<u>@</u>	\$190.60	Minimum
Next	75,000	Gallons	@	\$7.34	per 1,000 Gallons.
Next	400,000	Gallons	@	\$5.97	per 1,000 Gallons.
Over	500,000	Gallons	@	\$4.36	per 1,000 Gallons.

Wholesale Rate (10% Increase) - \$ 2.45

$\frac{\textit{XXIII. FORECAST OF SEWER USAGE - INCOME - EXISTING SYSTEM - EXISTING (NOT APPLICABLE)}}{\textit{USERS - EXISTING RATES}}$

MULTI-FAMILY AND APARTMENT USER ANALYSIS - (NOT APPLICABLE)

If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.

Name of Unit	Number of Units	Number of Meters	

Breakdown of meter size usage is not required unless different sewer rates are charged based on size of meter.

^{**} Number of users should reflect the actual number of "meter settings".

XXIV FORECAST OF SEWER USAGE - INCOME - NEW USERS - EXTENSION ONLY (NOT APPLICABLE)

Breakdown of meter size usage is not required unless different sewer rates are charged based

on size of meter. Number of users should reflect the actual number of "meter settings". ** 1-Inch Sub-Total 1-1/2 Inch Sub-Total 2-Inch Sub-Total 3-Inch Sub-Total Inch Sub-Total 5-Inch Sub-Total Inch Sub-Total TOTALS

<u>MULTI-FAMILY AND APARTMENT USER ANALYSIS - (NOT APPLICABLE)</u>

If billed	l as a typical user, the info	rmation should b	be included i	in the residential information above. If not billed as a typical residential user, please explain below
	Name of Unit	Number of Units	Number of Meters	Revenue <u>Calculations</u>

XXV. FORECAST OF WATER USAGE - INCOME - EXISTING SYSTEM - EXISTING USERS - EXISTING RATES

				Avera	ge	No. of		Monthly	
			Average	Rate	_	Users	Usage		Income
0	2,000	Gallons	505		0.55	3,630	1,833,150		74,5
2,001	100,000	Gallons	5,856	\$ 4	7.23	2,107	12,338,592		99,5
100,001 Over	500,000 500,000	Gallons Gallons	-			-	-	\$ \$	
Total	300,000	Ganons	_		-	5,737	14,171,742		174,1
Average Bill						3,737	14,1/1,/42	\$	30.
Annual Usage/	Revenues						170,060,904		2,089,4
							, ,	•	,,
				1" Meter (Avera	`	ned) No. of		Monthly	
			Average	Rate		Users	Usage		Income
0	4.000	G 11	1 100	62	4.20	40	57.925	¢.	1.0
4 001	4,000	Gallons	1,180		4.39	49	57,825		1,6
4,001	100,000	Gallons Gallons	13,666	\$ 10	1.28	29	396,317		2,9
100,001 Over	500,000 500,000	Gallons	_				-	\$ \$	
Total	200,000	Guilons				78	454,142		4,6
Average Bill						76	434,142	\$	59.
Annual Usage/	Revenues						5,449,700		55,4
			1.	-1/2" Mete	r (Comb	nined)			
				Avera	ige	No. of		Monthly	
			Average	Rate		Users	Usage		Income
0	8,000	Gallons	1,331	\$6	2.09	4	5,325	\$	2
8,001	100,000	Gallons	53,663		8.07	2	107,325		7
100,001	500,000	Gallons	467,792	\$2,76		1	467,792		2,7
Over	500,000	Gallons					-	\$	
Total						7	580,442	\$	3,7
Average Bill								\$	539.
Annual Usage/	Revenues						6,965,300	\$	45,2
				2" Meter (
			Average	Avera	ge	No. of		Monthly	Income
			Average		ge		Usage	Monthly	Income
0	15,000	Gallons	Average 2,497	Avera Rate	ge	No. of		·	
0 15,001	15,000 100,000	Gallons Gallons		Avera Rate	ige	No. of Users	Usage	\$	1,8
15,001 100,001	100,000 500,000	Gallons Gallons	2,497	Avera Rate	0.56 01.61	No. of Users	Usage 42,450	\$ \$ \$	1,8 1,9
15,001 100,001 Over	100,000	Gallons	2,497 70,065	Avera Rate \$11 \$ 49	0.56 01.61	No. of Users	Usage 42,450 280,258 279,117	\$ \$ \$ \$	1,8 1,9 1,7
15,001 100,001 Over Total	100,000 500,000	Gallons Gallons	2,497 70,065	Avera Rate \$11 \$ 49	0.56 01.61	No. of Users	Usage 42,450 280,258	\$ \$ \$ \$	1,8 1,9 1,7
15,001 100,001 Over Total Average Bill	100,000 500,000 500,000	Gallons Gallons	2,497 70,065	Avera Rate \$11 \$ 49	0.56 01.61	No. of Users	Usage 42,450 280,258 279,117 - 601,825	\$ \$ \$ \$ \$ \$	1,8 1,9 1,7 - 5,5 252.
15,001 100,001 Over Total	100,000 500,000 500,000	Gallons Gallons	2,497 70,065	Avera Rate \$11 \$ 49	0.56 01.61	No. of Users	Usage 42,450 280,258 279,117	\$ \$ \$ \$ \$ \$	1,8 1,9 1,7 - 5,5 252.
15,001 100,001 Over Total Average Bill	100,000 500,000 500,000	Gallons Gallons	2,497 70,065	Avera Rate \$11 \$ 49 \$1,70	0.56 01.61 07.19	No. of Users	Usage 42,450 280,258 279,117 - 601,825 7,221,900	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 - 5,5 252.
15,001 100,001 Over Total Average Bill	100,000 500,000 500,000	Gallons Gallons	2,497 70,065	Avera Rate \$11 \$ 49 \$1,70	0.56 01.61 17.19	No. of Users 17 4 1 1 22	Usage 42,450 280,258 279,117 - 601,825 7,221,900	\$ \$ \$ \$ \$ \$	1,8 1,9 1,7 - 5,5 252.
15,001 100,001 Over Total Average Bill Annual Usage/	100,000 500,000 500,000 Revenues	Gallons Gallons Gallons	2,497 70,065 279,117	Avera Rate \$11 \$ 49 \$1,70	0.56 01.61 17.19	No. of Users	Usage 42,450 280,258 279,117 - 601,825 7,221,900	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5 252. 66,6
15,001 100,001 Over Total Average Bill Annual Usage/	100,000 500,000 500,000 Revenues	Gallons Gallons Gallons	2,497 70,065 279,117	Avera Rate \$11 \$ 49 \$1,70	0.56 01.61 17.19	No. of Users	Usage 42,450 280,258 279,117 - 601,825 7,221,900	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5 252 66,6
15,001 100,001 Over Total Average Bill Annual Usage/	100,000 500,000 500,000 Revenues 25,000 100,000	Gallons Gallons Gallons Gallons Gallons	2,497 70,065 279,117	Avera Rate \$11 \$ 49 \$1,70	0.56 01.61 17.19	No. of Users	Usage 42,450 280,258 279,117 - 601,825 7,221,900	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5 252 66,6
15,001 100,001 Over Total Average Bill Annual Usage/	100,000 500,000 500,000 Revenues 25,000 100,000 500,000	Gallons Gallons Gallons Gallons Gallons Gallons	2,497 70,065 279,117 Average	Avera Rate \$11 \$ 49 \$1,70 4" Meter (Avera Rate	0.56 01.61 17.19 (Combinge	No. of Users 17 4 1 22 2 aned) No. of Users 1	Usage 42,450 280,258 279,117 - 601,825 7,221,900 Usage	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5,5 252. 66,6
15,001 100,001 Over Total Average Bill Annual Usage/ 0 25,001 100,001 Over	100,000 500,000 500,000 Revenues 25,000 100,000	Gallons Gallons Gallons Gallons Gallons	2,497 70,065 279,117	Avera Rate \$11 \$ 49 \$1,70	0.56 01.61 17.19 (Combinge	No. of Users	Usage 42,450 280,258 279,117 - 601,825 7,221,900 Usage 2,225,533	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5 5,5 252. 66,6 Income
15,001 100,001 Over Total Average Bill Annual Usage/ 0 25,001 100,001 Over	100,000 500,000 500,000 Revenues 25,000 100,000 500,000	Gallons Gallons Gallons Gallons Gallons Gallons	2,497 70,065 279,117 Average	Avera Rate \$11 \$ 49 \$1,70 4" Meter (Avera Rate	0.56 01.61 17.19 (Combinge	No. of Users 17 4 1 22 2 aned) No. of Users 1	Usage 42,450 280,258 279,117 - 601,825 7,221,900 Usage	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5 252. 66,6 Income
15,001 100,001 Over Total Average Bill Annual Usage/ 0 25,001 100,001 Over Total Average Bill	100,000 500,000 500,000 Revenues 25,000 100,000 500,000 500,000	Gallons Gallons Gallons Gallons Gallons Gallons	2,497 70,065 279,117 Average	Avera Rate \$11 \$ 49 \$1,70 4" Meter (Avera Rate	0.56 01.61 17.19 (Combinge	No. of Users	Usage 42,450 280,258 279,117 - 601,825 7,221,900 Usage - 2,225,533 2,225,533	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5 252,666,6 Income
15,001 100,001 Over Total Average Bill Annual Usage/ 0 25,001 100,001 Over	100,000 500,000 500,000 Revenues 25,000 100,000 500,000 500,000	Gallons Gallons Gallons Gallons Gallons Gallons	2,497 70,065 279,117 Average	Avera Rate \$11 \$ 49 \$1,70 4" Meter (Avera Rate \$10,04	(Combings	No. of Users	Usage 42,450 280,258 279,117 - 601,825 7,221,900 Usage 2,225,533	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5 252. 66,6 Income
15,001 100,001 Over Total Average Bill Annual Usage/ 0 25,001 100,001 Over Total Average Bill	100,000 500,000 500,000 Revenues 25,000 100,000 500,000 500,000	Gallons Gallons Gallons Gallons Gallons Gallons	2,497 70,065 279,117 Average	Avera Rate \$11 \$ 49 \$1,70 4" Meter (Avera Rate \$10,04	(Combinge 2.75 _	No. of Users	Usage 42,450 280,258 279,117 - 601,825 7,221,900 Usage - 2,225,533 2,225,533 26,706,400	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5 252,666,6 Income
15,001 100,001 Over Total Average Bill Annual Usage/ 0 25,001 100,001 Over Total Average Bill	100,000 500,000 500,000 Revenues 25,000 100,000 500,000 500,000	Gallons Gallons Gallons Gallons Gallons Gallons	2,497 70,065 279,117 Average	Avera Rate \$11 \$ 49 \$1,70 4" Meter (Avera Rate \$10,04	(Combinge	No. of Users	Usage 42,450 280,258 279,117 - 601,825 7,221,900 Usage - 2,225,533 2,225,533 26,706,400	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5 252,666,6 Income
15,001 100,001 Over Total Average Bill Annual Usage/ 0 25,001 100,001 Over Total Average Bill Annual Usage/	100,000 500,000 500,000 Revenues 25,000 100,000 500,000 500,000 Revenues	Gallons Gallons Gallons Gallons Gallons Gallons Gallons Gallons	2,497 70,065 279,117 Average 2,225,533 Whole	Avera Rate \$11 \$ 49 \$1,70 4" Meter (Avera Rate \$10,04 esale Custe Avera Rate	(Combinge 2.75	No. of Users 17 4 1 22 ned) No. of Users 1 1 1 Combined) No. of Users	Usage 42,450 280,258 279,117 - 601,825 7,221,900 Usage - 2,225,533 2,225,533 26,706,400 Usage	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5 252 66,6 Income 10,0 10,043 120,5
15,001 100,001 Over Total Average Bill Annual Usage/ 0 25,001 100,001 Over Total Average Bill Annual Usage/	100,000 500,000 500,000 Revenues 25,000 100,000 500,000 500,000 Revenues	Gallons Gallons Gallons Gallons Gallons Gallons	2,497 70,065 279,117 Average 2,225,533	Avera Rate \$11 \$ 49 \$1,70 4" Meter (Avera Rate \$10,04	(Combinge 2.75	No. of Users	Usage 42,450 280,258 279,117 601,825 7,221,900 Usage 2,225,533 2,225,533 26,706,400	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5 252 66,6 Income 10,0 10,043 120,5
15,001 100,001 Over Total Average Bill Annual Usage/ 0 25,001 100,001 Over Total Average Bill Annual Usage/	100,000 500,000 500,000 Revenues 25,000 100,000 500,000 500,000 Revenues	Gallons Gallons Gallons Gallons Gallons Gallons Gallons Gallons	2,497 70,065 279,117 Average 2,225,533 Whole	Avera Rate \$11 \$ 49 \$1,70 4" Meter (Avera Rate \$10,04 esale Custe Avera Rate	(Combinge 2.75	No. of Users	Usage 42,450 280,258 279,117 - 601,825 7,221,900 Usage 2,225,533 2,225,533 26,706,400 Usage 6,016,475	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5 252. 66,6 Income 10,0 10,043. 120,5 Income
15,001 100,001 Over Total Average Bill Annual Usage/ 0 25,001 100,001 Over Total Average Bill Annual Usage/	100,000 500,000 500,000 Revenues 25,000 100,000 500,000 500,000 Revenues	Gallons Gallons Gallons Gallons Gallons Gallons Gallons Gallons	2,497 70,065 279,117 Average 2,225,533 Whole	Avera Rate \$11 \$ 49 \$1,70 4" Meter (Avera Rate \$10,04 esale Custe Avera Rate	(Combinge 2.75	No. of Users 17 4 1 22 ned) No. of Users 1 1 1 Combined) No. of Users	Usage 42,450 280,258 279,117 - 601,825 7,221,900 Usage - 2,225,533 2,225,533 26,706,400 Usage	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,8 1,9 1,7 5,5 252 66,6 Income 10,0 10,043,120,5

XXVI. $\frac{\text{FORECAST OF WATER USAGE - INCOME - EXISTING SYSTEM - 3.21 \% GROWTH RESIDENTIAL CUSTOMERS \& 10\%}{\text{GROWTH LYON COUNTY WHOLESALE SALES - EXISTING RATES}}$

					Average	ombined) No. of		Monthly	
			Average	_	Rate	Users	Usage		Income
0	2.000	C 11	505		620.55	2.062	1.050.472	¢.	70.27
0 2,001	2,000 100,000	Gallons Gallons	505 5,856	\$	\$20.55 47.23	3,862 2,249	1,950,472 13,170,144	\$ \$	79,37 106,22
100,001	500,000	Gallons	-	Ψ	17.23	-	-	\$	-
Over	500,000	Gallons	-			<u> </u>	-	\$	-
Total						6,111	15,120,616	\$	185,59
Average Bill Annual Usage/	Revenues						181,447,387	\$ \$	30.3 2,227,18
Allifual Osage	Revenues						101,447,507	Ψ	2,227,10
				1" 1	Meter (Combi Average	ned) No. of		Monthly	
			Average	_	Rate	Users	Usage	Wionuny	Income
4 001	4,000	Gallons Gallons	1,180	¢	\$34.39	49 29	57,825	\$	1,68
4,001 100,001	100,000 500,000	Gallons	13,666	\$	101.28	29	396,317	\$ \$	2,93
Over	500,000	Gallons	-			_		\$	-
Γotal						78	454,142	\$	4,62
Average Bill								\$	59.20
Annual Usage/	Revenues						5,449,700	\$	55,46
			1-	1/2	" Meter (Com				
			Average		Average Rate	No. of Users	Usage	Monthly	Income
			Average	-	Rate	Oscis	Osage	-	meome
0	8,000	Gallons	1,331		\$62.09	4	5,325	\$	24
8,001	100,000	Gallons	53,663	\$	378.07	2	107,325	\$	75
100,001	500,000	Gallons Gallons	279,117		\$1,707.16	1	467,792	\$ \$	1,70
Over Fotal	500,000	Gallons				7	580,442	\$	2,71
Average Bill						,	360,442	\$	387.3
Annual Usage/	Revenues						6,965,300	\$	32,540
				2" 1	Meter (Combi	ned)			
					Average	No. of		Monthly	
			Average	_	Rate	Users	Usage	-	Income
0	15,000	Gallons	2,497		\$110.56	17	42,450	\$	1,880
15,001	100,000	Gallons	70,065	\$	491.61	4	280,258	\$	1,96
100,001	500,000	Gallons	279,117	•	\$1,707.19	1	279,117	\$	1,70
Over	500,000	Gallons				-	-	\$	-
Fotal						22	601,825	\$	5,553
Average Bill Annual Usage/	Revenues						7,221,900	\$ \$	252.42 66,638
illinuar Osuge	revenues						7,221,700	Ψ	00,030
				411.7					
				4 1	Meter (Combi			Monthly	
			Average	4 1	Meter (Combi Average Rate	ned) No. of Users	Usage	Monthly	Income
			Average	4 1	Average	No. of		Monthly	Income
0	25,000	Gallons	Average -	4 1	Average	No. of		\$	Income -
25,001	100,000	Gallons	Average -	4**1	Average	No. of		\$ \$	Income -
			Average 2,225,533		Average	No. of		\$	- - -
25,001 100,001 Over	100,000 500,000	Gallons Gallons			Average Rate	No. of Users	Usage - - -	\$ \$ \$	10,05
25,001 100,001 Over Fotal Average Bill	100,000 500,000 500,000	Gallons Gallons			Average Rate	No. of Users	Usage 2,225,533	\$ \$ \$ \$ \$	- - 10,050 10,050
25,001 100,001 Over Total Average Bill	100,000 500,000 500,000	Gallons Gallons			Average Rate	No. of Users	Usage 2,225,533	\$ \$ \$ \$	- - 10,050 10,050 10,050.00
25,001 100,001 Over Total Average Bill Annual Usage/	100,000 500,000 500,000 Revenues	Gallons Gallons Gallons		-	Average Rate	No. of Users	2,225,533 2,225,533	\$ \$ \$ \$ \$	10,050 10,050 10,050.00 120,600
25,001 100,001 Over Total Average Bill Annual Usage/	100,000 500,000 500,000 Revenues	Gallons Gallons Gallons	2,225,533 n Meter Sales FY	E 2	Average Rate	No. of Users	2,225,533 2,225,533	\$ \$ \$ \$ \$ \$	10,050 10,050 10,050.00 120,600 2,502,429.60
25,001 100,001 Over Total Average Bill Annual Usage/	100,000 500,000 500,000 Revenues	Gallons Gallons Gallons	2,225,533 n Meter Sales FY	E 2	Average Rate \$10,049.94 017 c Customers (No. of Users 1 1 Combined)	2,225,533 2,225,533 26,706,400	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,050 10,050 10,050.00 120,600
25,001 100,001 Over Fotal Average Bill Annual Usage/	100,000 500,000 500,000 Revenues	Gallons Gallons Gallons	2,225,533 n Meter Sales FY	E 2	Average Rate	No. of Users	2,225,533 2,225,533 26,706,400	\$ \$ \$ \$ \$ \$	10,050 10,050 10,050.00 120,600
25,001 100,001 Over Fotal Average Bill Annual Usage/	100,000 500,000 500,000 Revenues	Gallons Gallons Gallons	2,225,533 n Meter Sales FY	E 2	Average Rate \$10,049.94 017 c Customers (Average	No. of Users 1 1 Combined) No. of	2,225,533 2,225,533 26,706,400	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,050 10,050 10,050.00 120,600 2,502,429.60
25,001 100,001 Over Fotal Average Bill Annual Usage/ Fotal Combine	100,000 500,000 500,000 Revenues	Gallons Gallons Gallons Gallons	2,225,533 n Meter Sales FY Whole	E 2	Average Rate \$10,049.94 017 c Customers (Average Rate	No. of Users 1 1 Combined) No. of Users 6	Usage	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,050 10,050 10,050.00 120,600 2,502,429.60 Income
25,001 100,001 Over Total Average Bill Annual Usage/ Total Combine	100,000 500,000 500,000 Revenues	Gallons Gallons Gallons Gallons	2,225,533 n Meter Sales FY Whole	E 2	Average Rate \$10,049.94 017 c Customers (Average Rate	No. of Users 1 1 1 Combined) No. of Users	2,225,533 2,225,533 26,706,400 Usage	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10,050 10,050 10,050.00 120,600 2,502,429.60

XXVII. FORECAST OF WATER USAGE - INCOME - EXISTING SYSTEM - 3.2 % ANNUAL GROWTH RESIDENTIAL CUSTOMERS & 10% GROWTH LYON COUNTY WHOLESALE SALES - PROPOSED RATES

			5/8"		" Meter (Co				
			Average		verage Rate	No. of Users	Usage	Monthly	Income
0	2,000	Gallons	505		\$21.78	3,862	1,950,472	\$	84,13
2,001	100,000	Gallons	5,856	\$	49.82	2,249	13,170,144		112,03
100,001	500,000	Gallons	-			-	-	\$	-
Over	500,000	Gallons	-				-	\$	-
Total						6,111	15,120,616	\$ \$	196,169 32.10
Average Bill Annual Usage/	Revenues						181,447,387		2,354,02
							, ,	*	_,,
					eter (Combi			3.6 .11	
			Average		verage Rate	No. of Users	Usage	Monthly	Income
0	4.000	Gallons	1,180		\$36.45	49	57,825	\$	1,78
4,001	100,000	Gallons	13,666	\$	106.73	29	396,317		3,09
100,001	500,000	Gallons	-,	•			-	\$	-
Over	500,000	Gallons	-			_	-	\$	-
Total						78	454,142		4,88
Average Bill Annual Usage/	Davanuas						5,449,700	\$ \$	62.58 58,572
Annuai Osage/	Revenues						3,449,700	Ф	38,372
			1-		Meter (Com verage	bined) No. of		Monthly	
			Average		Rate	Users	Usage		Income
0	8,000	Gallons	1,331		\$65.82	4	5,325	\$	263
8,001	100,000	Gallons	53,663	\$	397.78	2	107,325		796
100,001	500,000	Gallons	279,117	\$	1,793.23	1	46,792		1,793
Over	500,000	Gallons				_		\$	-
Total						7	159,442		2,852
Average Bill Annual Usage/	Revenues						1,913,304	\$ \$	407.44 34,225
rimaar Osage	revenues						1,713,301	Ψ	31,220
					eter (Combi	ned) No. of		M (11	
			Average		verage Rate	Users	Usage	Monthly	Income
0	15,000	Gallons	2,497		\$117.19	17	42,450	\$	1,992
15,001	100,000	Gallons	70,065	\$	517.51	4	280,258		2,070
100,001	500,000	Gallons	279,117	\$	1,793.72	1	279,117	\$	1,794
Over	500,000	Gallons				=	-	\$	-
Total						22	601,825		5,856
Average Bill Annual Usage/	Davanuas						7 221 000	\$ \$	266.18
Annuai Osage/	Revenues						7,221,900	Э	70,273
					eter (Combi verage	ned) No. of		Monthly	
			Average		Rate	Users	Usage		Income
0	25,000	Gallons	-			-	-	\$	-
25,001	100,000	Gallons	-			-	-	\$	-
100,001 Over	500,000 500,000	Gallons Gallons	2,225,533	Ç 1	0,552.35	1	2,225,533	\$ \$	10,552
Total	500,000	Janons	2,223,333	φI	0,334.33	1	2,225,533		10,552
Average Bill						1	2,220,000	\$	10,552.00
Annual Usage/	Revenues						26,706,400		126,624
Total Combine	d Annual R	evenue fron	n Meter Sales FY	E 201	7			\$	2,643,721.52
					Customers (Combined)			•
				A	verage	No. of		Monthly	
			Average		Rate	Users	Usage		Income
		Callons	1,016,635	¢	2,490.76	6	6,099,808.33	\$	14,945
0	1,000	Gallons	1,010,033	Ф	2,490.70				
	1,000	Gallolis	1,010,033	Ф	2,490.70	6			14.94
0 Total Average Bill	1,000	Ganons	1,010,033	J	2,490.70		6,099,808		14,945 2,490.76

MULTI-FAMILY AND APARTMENT USER ANALYSIS - (NOT APPLICABLE)

If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.

 $\begin{array}{cccc} \text{Name} & \text{Number} & \text{Number} & \text{Revenue} \\ \hline of \, \text{Unit} & \text{of } \, \text{Units} & \text{of } \, \text{Meters} & \text{Calculations} \\ \end{array}$

- * Breakdown of meter size usage is not required unless different sewer rates are charged based on size of meter.
- ** Number of users should reflect the actual number of "meter settings".

XXVII FORECAST OF WATER USAGE - INCOME - NEW USERS - EXTENSION ONLY-

(No New Sewer Customers)

3.6	`		oner custon	· /						
Meter				Average						
Size*	Monthly Sew	Average		Rate	Resident			Non-Residential		
					No. of	Usage	Income	No. of	Usage	Income
					Users**	(1000)		Users	(1000)	
	-	2,000	Gallons	1,000						
	2,000	3,000	Gallons	2,500						
	3,000	4,000	Gallons	3,500						
	4,000	5,000	Gallons	4,500						
	5,000	6,000	Gallons	5,500						
	6,000	7,000	Gallons	6,500						
	8,000	9,000	Gallons	8,500						
	9,000	10,000	Gallons	9,500						
	10,000	11,000	Gallons	10,500						
	11,000	12,000	Gallons	11,500				İ		
	12,000	13,000	Gallons	12,500						
	13,000	14,000	Gallons	13,500						
	14,000	15,000	Gallons	14,500						
	15,000	16,000	Gallons	15,500						
	16,000	17,000	Gallons	16,500						
	17,000	18,000	Gallons	17,500						
	18,000	19,000	Gallons	18,500		İ		<u> </u>		
	19,000	20,000	Gallons	19,500		!	†	†		
	Sub-Total	,,,,,,		1,,000	()	()	()	()	()	()
	Average Month	ılv Rate			()	()	0	()	()	()
	Average Month	•			()	()	V		()	
	Average Monu	ny Csage				()			()	

^{*} Breakdown of meter size usage is not required unless different sewer rates are charged based on size of meter.

^{**} Number of users should reflect the actual number of "meter settings".

1- Inch										
		Sub-Total								
1-1/2										
Inch		Sub-Total					()			
2-										
Inch		Sub-Total								
3-										
Inch		Sub-Total						()		
4-										
Inch		Sub-Total								
5-										
Inch		Sub-Total								
6-										
Inch		Sub-Total TOTALS					() ()			
MULT	T-FAMILY	AND APARTI	MENT USER	ANALYSIS -						
If bille	d as a typical	user, the infor	mation shoul	d be included in t	he residential i	nformation abov	ve. If not billed as a	typical residential user	, please explain b	pelow.
	Name of Unit	Number of Units	Number of Meters	Revenue Calculations						

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XXVIII. CURRENT OPERATING BUDGET - NOT APPLICABLE

XXVIV .PROPOSED OPERATING BUDGET - (SEWER SYSTEM) - EXISTING SYSTEM AND NEW USERS NOT APPLICABLE

XXX. CURRENT OPERATING BUDGET - (WATER SYSTEM TAKEN FROM FYE AUDIT 2017)

A.	Operating Income:		
	Water Sales	\$	2,535,742
	Disconnect/Reconnect/Late Charge Fees / Miscellaneous		33,550
	Total Operating Income	\$	2,569,292
B.	Operation and Maintenance Expenses:		
	Salaries and Benefits	\$	1,276,474
	Purchase Power	\$	178,721
	Chemicals	\$	110,333
	Materials and Supplies	\$	204,173
	Contract Services	\$	44,207
	Transportation Services	\$	51,137
	Insurance	\$	36,564
	Miscellaneous	\$	16,959
	Taxes	\$	60,048
	Total Operating Expenses	\$	1,978,616
	Net Operating Income	\$	590,676
C.	Non-Operating Income:		
C.	Interest Income	\$	11,144
	Federal Interest Subsidy	\$	16,772
	Total Non-Operating Income	<u>\$</u> \$	27,916
D.	Net Income	\$	618,592
E.	Long Term Debt Repayment:		
	Principal	\$	281,218
	Interest	\$	388,643
	Total	\$	669,861
F.	Balance Available for Coverage	\$	(51,269)

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

EXISTING RATES - EXISTING CUSTOMERS 3.21% Residential annual growth and 10% growth in wholesale sales to Lyon County (1st Full Year of Operation Year Ending 2020)

A.	Operating Income:		
	Water Sales (Audit shows 3.21 % Increase: assumed more modest 1% growth over 2 year period plus 10% increase in wholesale sales to Lyon County)	\$	2,665,660
	Disconnect/Reconnect/Late Charge Fees / Miscellaneous		33,000
	Total Operating Income	\$	2,698,660
	Total Operating income	Ф	2,098,000
B.	Operation and Maintenance Expenses:		
	Salaries and Benefits	\$	1,353,062
	Purchase Power	\$	189,444
	Chemicals	\$	116,953
	Materials and Supplies	\$	216,423
	Contract Services	\$	46,859
	Transportation Services	\$	54,205
	Insurance	\$	38,758
	Miscellaneous	\$	17,977
	Taxes	\$	61,849
	Total Operating Expenses	\$	2,095,532
	Net Operating Income	\$	603,129
C.	Non-Operating Income:		
	Interest Income	\$	10,000
	Federal Interest Subsidy		
	Total Non-Operating Income	\$	10,000
D.	Net Income	\$	613,129
E.	Long Term Debt Repayment:		
	Principal	\$	305,000
	Interest	\$	365,271
		\$	670,271
_	N. DD I 11 (D () (1000) () 1075)	Ф	25.770
F.	New RD Loan and Interest Payment (100% @ 1.875)	\$	35,770
G.	Short Lived Assets	\$	35,000
			/4=====
Н.	Balance Available for Coverage	\$	(127,912)

XXXII. PROPOSED OPERATING BUDGET - (WATER SYSTEM) - EXISTING SYSTEM EXISTING CUSTOMERS - RECOMMENDED RATES (1st Full Year of Operation Ending 2020) (NOT APPLICABLE)

A.	Operating Income:		
	Water Sales (Audit shows 3.21 % Increase: assumed more modest 1% growth	\$	2,823,056
	over 2 year period plus 10% increase in wholesale sales to Lyon County)		
	Disconnect/Reconnect/Late Charge Fees / Miscellaneous		33,000
	Total Operating Income	\$	2,856,056
В.	Operation and Maintenance Expenses:		
	Salaries and Benefits	\$	1,353,062
	Purchase Power	\$	189,444
	Chemicals	\$	116,953
	Materials and Supplies	\$	216,423
	Contract Services	\$	46,859
	Transportation Services	\$	54,205
	Insurance	\$	38,758
	Miscellaneous	\$	17,977
	Taxes	\$	61,849
	Total Operating Expenses	\$	2,095,532
	Net Operating Income	\$	760,524
~	W. O. d. J.		
C.	Non-Operating Income:		40.000
	Interest Income	\$	10,000
	Federal Interest Subsidy		
	Total Non-Operating Income	\$	10,000
D	N.4 I	\$	770 524
D.	Net Income	Э	770,524
E.	Long Term Debt Repayment:		
L.	Principal	\$	305,000
	Interest	\$	365,271
	incores.	\$	670,271
		Ψ	0,0,2,1
F.	New RD Loan and Interest Payment (100% @ 1.875%)	\$	35,770
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G.	Short Lived Assets	\$	35,000
H.	Balance Available for Coverage	\$	29,483

XXXIII. ESTIMATED PROJECT COST - NOT APPLICABLE

XXXIV. PROPOSED PROJECT FUNDING - SEWER (NOT APPLICABLE)

XXXV. ESTIMATED PROJECT COST - WATER

THE THE THOUSE I COULT WITH THE	Total	
Development (Admin and Planning)		10,000
Land and Rights		25,000
Legal		15,000
Engineering		118,588
Construction		635,000
Interest		
Contingencies		59,394
Other		30,000
TOTAL		892,982
XXXVI. PROPOSED PROJECT FUNDING		
Applicant - User Connection Fees		-
Other Applicant Contribution		-
RUS Loan	\$	892,982
RUS Grant		
ARC Grant (If applicable)		
CDBG (If applicable)		-
Other (Specify)		-
Other (Specify)		
TOTAL	\$	892,982