SUMMARY ADDENDUM

TO

PRELIMINARY ENGINEERING REPORT

DATED	anuary 2021 December 2022
F	FOR
-	Water System Improvements Project of Project)
APPLICANT CONTACT PERSON	Silas Cleaver, Chairman
APPLICANT PHONE NUMBER	(606) 474-7570
APPLICANT TAX IDENTIFICATION	N NI IMBER (TIN) 61-1037311

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 proposed project is to replace approximately 10,600 LF of problematic water mains in two different areas of the distribution system. In addition, the project will replace three existing pump stations and demo a fourth pump station. The project will include rehabilitation of three existing storage tanks. Rehabilitation work consists of repaint of interiors, touch up of the exterior on two tanks. The project will also include the replacement of 1,600 existing customer meters with new radio read meters. These new meters will replace old outdated meters and should improve water loss with more accurate readings, and will also allow the District to save money by not paying outside contractors for this monthly service. Additional items that could be included in the project depending on funds available include a new portable generator, purchase of additional service trucks, water pumps, trailer, computer equipment and software updates and other miscellaneous tools.

II. FACILITY CHARACTERISTICS OF EXISTING SEWER SYSTEM N/A

A.	Sewage Treatment:
1.	Туре
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:
	Lineal Feet of Collector Lines, by size 6" 8"
	10", Larger
	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 District currently purchases it's water from four different utilities, Buffalo Trail Water Association, the City of Carlisle, Western Fleming Water District and Kentucky American Water. The District has water purchase agreements with each of these entities to ensure an adequate supply of potable water to its customer base. The District purchases an average of 167 MG per year from these entities combined. In addition, the District sells an average of 26 MG per year to the Harrison County Water Association.

If the applicant purchases water: Seller(s): City of Carlisle Price/1,000 gallons: 1. \$1.58 2. Buffalo Trail Water Association Price/1,000 gallons: 2 \$2.02 Western Fleming Water District Price/1,000 gallons: 3 \$2.14 4. Kentucky American Water Price/1,000 gallons: 4 \$2.25 Present Estimated Market Value of Existing System: \$ 4,771,192.00 B. Water Storage:

Type: Ground Storage Tank $_$ Elevated Tank $\underline{\checkmark}$

	Standpipe $$	Other
	Number of Storage Structures	3
	Total Storage Volume Capacity _	389,000 Gallons
	Date Storage Tank(s) Constructed	1998 to 2009
C.	Water Distribution System:	
	Pipe Material	PVC, AC, PE
	Lineal Feet of Pipe: 1,000,000 LF	of 2, 3, 4, 6, and 8 inch pipe
	All pipe footage is an estimate only	y.
	Date(s) Water Lines Constructed	1966 - present
	Number and Capacity of Pump Sta	ation(s) Four (4) pump stations ranging from
		2 hp to 15 hp
D.	Condition of Existing Water System	m:
	Briefly describe the condition and	suitability for continued use of facility now owned by
	the applicant. Include any major r	enovation that will be needed within five to ten
	years.	
	The District currently has a higher t	han desired water loss which can be partly attributable
	to the poor condition of some of its	water mains. These water mains are of PVC materia
	and experience breaks fairly ofter	n. The system's storage tanks are in fair to good
	condition and will be rehabilitated	with this project. Additionally, the District's pump
	stations are in poor condition. Three	e new pump stations will be installed with this projec-
	and one of the existing pump station	ons will be eliminated.

IV. <u>EXISTING LONG-TERM INDEBTEDNESS</u>

A. List of Bonds and Notes:

DATE OF	BOND	PRINCIPAL	PAYMENT	BOND TYPE	AMOUNT ON DEPOSIT
ISSUE	HOLDER	BALANCE	DATE	WATER/SEWER	IN RESERVE ACCOUNT
2015	KRWFC	\$ 1,545,000	Monthly	100%	
2015	KRWFC	\$ 120,000	Monthly	100%	
2004	RD	\$ 168,000	Jan/July	100%	
2014	RD	\$ 529,000	Jan/July	100%	

E. Percentage of Water Loss Existing System ______29%

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

		P/	YMENT Y	ΈΑΙ	R: 2021	PAYMENT YEAR: 2022			PAYMENT YEAR: 2023				
DATE OF	BOND	PR	INCIPAL	INTEREST		PRINCIPAL		INTEREST		PRINCIPAL		INTEREST	
ISSUE	HOLDER	PA	YMENT	PΑ	YMENT	PA	YMENT	PA	YMENT	PA	YMENT	PA	YMENT
2015	KRWFC	\$	70,000	\$	53,970	\$	70,000	\$	51,100	\$	75,000	\$	48,128
2015	KRWFC	\$	20,000	\$	3,490	\$	20,000	\$	2,670	\$	20,000	\$	1,850
2004	RD	\$	4,000	\$	6,703	\$	4,000	\$	6,538	\$	4,000	\$	6,373
2014	RD	\$	9,500	\$	14,169	\$	9,500	\$	13,908	\$	10,000	\$	13,640

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

A. N/A

VI. LAND AND RIGHTS - EXISTING SYSTEM(S)

Number of Treatment Plant Sites:	Water		Sewer	N/A
Number of Storage Tank Sites	Water	3	Sewer	N/A
Number of Pump Stations:	Water	4	Sewer	N/A
Total Acreage:	Water	5 Acres	Sewer	N/A Acres
Purchase Price:	Water	\$ 5,000	Sewer \$	N/A

VII. <u>NUMBER OF EXISTING USERS</u>

	Water	Sewer
Residential (In Town) *		<u>.</u>
Residential (Out of Town) *	1,554	<u> </u>
Non-Residential (In Town)		<u> </u>
Non-Residential (Out of Town)	10	<u> </u>
Total	1,564	
Number to Total Potential Users Living in the Service Area	50	

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

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

Meter Size Charge 5/8" x 3/4" \$1,000 1" & larger Actual Cost

IX. <u>SEWER RATES - EXISTING SYSTEM</u>

N/A

Percentage of Water Bill % N	//inimum Charge \$
Other: (If Charge Not Based on Water Bill)
Date This Rate Went Into Effect	

X. WATER RATES - EXISTING SYSTEM

Existing Rate Schedule:

EXISTING RATES	S - C	URREN	T
5/8" x 3/4"			
first 1000	\$	14.97	minimum
next 2000	\$	7.30	per 1000 gallons
next 2000	\$	6.05	per 1000 gallons
next 5000	\$	4.90	per 1000 gallons
next 15,000	\$	4.45	per 1000 gallons
All Over 25,000	\$	4.22	per 1000 gallons
1"			
first 3000	\$	29.57	minimum
next 2000	\$	6.05	per 1000 gallons
next 5000	\$	4.90	per 1000 gallons
next 15,000	\$	4.45	per 1000 gallons
All Over 25,000	\$	4.22	per 1000 gallons
1 1/2"			
first 5000	\$	41.67	minimum
next 5000	\$	4.90	per 1000 gallons
next 15,000		4.45	per 1000 gallons
All Over 25,000	\$	4.22	per 1000 gallons
2"	1		
first 10,000	\$	66.17	minimum
next 15,000	\$	4.45	per 1000 gallons
All Over 25,000	\$	4.22	per 1000 gallons
3"			
first 15,000	\$	88.42	minimum
next 10,000	\$		per 1000 gallons
All Over 25,000	\$	4.22	per 1000 gallons
411	-		
4"	Φ.	100.00	
first 25,000		132.92	minimum
All Over 25,000	\$	4.22	per 1000 gallons

Date This Rate Went Into Effect April 28, 2020

XI. ANALYSIS OF ACTUAL WATER USAGE - EXISTING SYSTEM - 12 MONTH PERIOD

For Period 01/01/2019 to 12/31/2019.

		Posi	dential		Con	nmercial
MONTHLY WATER LICA	^E		Usage		No. of	
MONTHLY WATER USA				Averege		
F/O > 0/4 master	<u>Average</u>	Users	1,000	<u>Average</u>	oseis	1,000
5/8 x 3/4 meter	242	240	100	400	4	
0 - 1,000 Gal.	312	348	109	180	1	(
1,001 - 3,000 Gal.	1,999	556	1,111		1	;
3,001 - 5,000 Gal.	3,890		1,249		2	
5,001 - 10,000 Gal.	6,836	211	1,442		1	
10,001 - 25,000 Gal.	14,764	82	1,211	14,368	0	
All Over 25,000 Gal.	42,284	18	761			(
1" meter						
0 - 3,000 Gal.	1,135	7	8			(
3,001 - 5,000 Gal.	3,684	2	7			
5,001 - 10,000 Gal.	7,375	4	30			(
10,001 - 25,000 Gal.	16,048	3	48			
All Over 25,000 Gal.	40,112	1	40			
1 & 1/2" meter						
0 - 5,000 Gal.			0			
5,001 - 10,000 Gal.			0			
10,001 - 25,000 Gal.			0			
All Over 25,000 Gal.			0	138,400	1	13
2" meter				,		
0 - 10,000 Gal.			0	8,600	2	1.
10,001 - 25,000 Gal			0	22,775	1	32
All Over 25,000 Gal.			0	36,475	0	1:
3" meter				00,		
0 - 15,000 Gal.			0			
15,001 - 25,000 Gal			0			
All Over 25,000 Gal.			0			
4" meter						
0 - 25,000 Gal.			0			
All Over 25,000 Gal.			0			
Re-sale						
HCWA	2,219,333	1	2,219			
1101111	2,210,000	•	2,210			
	Subtotal	1554	8,235		10	223
Average Monthly Usage			5,299			23,24
	Totals	1554	8235.3		9.58	222.6391

XV. FACILITY CHARACTERISTICS OF PROPOSED WATER SYSTEM

	A.	Water Source: Describe adequal explanation of raw water source and current level of production (Purchase Contract if applicable.	, raw wa WTP). 7	iter intake s	structure, treatment pl	ant capacity,
		Water Supply described in Secti	on III-A.			
	В.	Water Storage:				
		Type: Ground Storage Tank			Elevated Tank	<u>1</u>
		Standpipe	2		_ Other	
		Number of Storage Structures _		3		
		Total Storage Volume Capacity				
	C.	Water Distribution System:				
		Pipe Material	PVC,	AC, PE		
		Lineal Feet of Pipe: 1,000,000 L	_F of 2,	3, 4, 6 and	8 inch pipe	
		All pipe footage is an estimate o	nly.			
		Date(s) Water Lines Constructed	d		1966 - present	
		Number and Capacity of Pump S	Station(s	s) <u>Four (4)</u>	pump stations ranging	g from
				2 hp to 1	0 hp	
XVI.	<u>L</u> A	ND AND RIGHTS - PROPOSI	ED WA	TER SYS	<u>TEM</u>	
	Nu	ımber of Treatment Plant Sites		0		
	Nu	ımber of Pump Sites		2		
	Nu	ımber of Other Sites		0		
	То	tal Acreage		.1		Acres
	Pu	rchase Price	\$	5,000		

XIX. NUMBER OF NEW WATER USERS

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

*Note: Residential Users: Classify by type of user regardless of quantity of water

used. This classification should include those meters serving individual rural

residences.

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

Meter Size Charge 5/8" x 3/4" \$1,000

1" & larger Actual Cost

XXII. WATER RATES - PROPOSED

A. Proposed Rate Schedule without RUS Grant:

PRO	POSED RATES	
5/8" x 3/4"		
first 1000	\$ 24.12	minimum
next 2000	\$ 11.47	per 1000 gallons
next 2000	\$ 9.41	per 1000 gallons
next 5000	\$ 7.51	per 1000 gallons
next 15,000	\$ 6.77	per 1000 gallons
All Over 25,000	\$ 6.39	per 1000 gallons
1"		
first 3000	\$ 47.06	Minimum
next 2000	\$ 9.41	per 1000 gallons
next 5000	\$ 7.51	per 1000 gallons
next 15,000	\$ 6.77	per 1000 gallons
All Over 25,000	\$ 6.39	per 1000 gallons
1 1/2"		
first 5000	\$ 65.87	Minimum
next 5000	\$ 7.51	per 1000 gallons
next 15,000	\$ 6.77	per 1000 gallons
All Over 25,000	\$ 6.39	per 1000 gallons
2"		
first 10,000	\$ 103.41	Minimum
next 15,000	\$ 6.77	per 1000 gallons
All Over 25,000	\$ 6.39	per 1000 gallons
3"	4.00	
first 15,000	\$ 137.23	Minimum
next 10,000	\$ 6.77	per 1000 gallons
All Over 25,000	\$ 6.39	per 1000 gallons
411		
4"	d 204 22	.
first 25,000	\$ 204.88	Minimum
All Over 25,000	\$ 6.39	per 1000 gallons

B. Recommended Rate Schedule with RUS Grant:

PROP	OSED RATES	
5/8" x 3/4"		
first 1000	\$ 21.93	minimum
next 2000	\$ 10.43	per 1000 gallons
next 2000	\$ 8.55	per 1000 gallons
next 5000	\$ 6.83	per 1000 gallons
next 15,000	\$ 6.15	per 1000 gallons
All Over 25,000	\$ 5.81	per 1000 gallons
1"		
first 3000	\$ 42.78	minimum
next 2000	\$ 8.55	per 1000 gallons
next 5000	\$ 6.83	per 1000 gallons
next 15,000	\$ 6.15	per 1000 gallons
All Over 25,000	\$ 5.81	per 1000 gallons
1 1/2"		
first 5000	\$ 59.88	minimum
next 5000	\$ 6.83	per 1000 gallons
next 15,000	\$ 6.15	per 1000 gallons
All Over 25,000	\$ 5.81	per 1000 gallons
2"	_	
first 10,000	\$ 94.01	minimum
next 15,000	\$ 6.15	per 1000 gallons
All Over 25,000	\$ 5.81	per 1000 gallons
3"	6 404 = 5	
first 15,000	\$ 124.76	minimum
next 10,000	\$ 6.15	per 1000 gallons
All Over 25,000	\$ 5.81	per 1000 gallons
411		
4"	# 400.00	
first 25,000	\$ 186.26	minimum
All Over 25,000	\$ 5.81	per 1000 gallons

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

XXV. FORE	CAST OF WA	TER USAGE	- INCOME -	ΕX	ISTING S	SYS	TEM								
		_													
MONTHLY \	VATER USAG	_			AVEI				Residential			rannonan	Commercial		
			RAGE_			\TE		No. of	Usage		Income	No. of	Usage	I	ncome
		Residential	Commercial	Re	<u>sidential</u>	Co	<u>mmercial</u>	Users	1,000			Users	1,000		
	3/4 meter														
	1,000 Gal.	312	180	-	21.93	\$	21.93	348	109	-	7,631.64	1	0	\$	21.9
	3,000 Gal.	1999	2992		32.35	\$	42.71	556	1111		17,986.36	1	3	\$	42.7
	5,000 Gal.	3890	4221	\$	50.40	-	53.23	321	1249	\$	16,178.24	1.58	7	\$	84.1
5,001 -	10,000 Gal.	6836	5779	\$	72.43	\$	65.21	211	1442	\$	15,282.70	0.83	5	\$	54.1
	25,000 Gal.	14764	14368	\$	123.34	\$	120.90	82	1211	\$	10,113.77	0.33	5	\$	39.9
All Over	25,000 Gal.	42284	0	\$	286.71	\$	41.04	18	761	\$	5,160.78	0	0	\$	-
1"	meter														
0 -	3,000 Gal.	1135	0	\$	42.78	\$	42.78	7	8	\$	299.46	0	0	\$	-
3,001 -	5,000 Gal.	3684	0	\$	48.63	\$	17.13	2	7	\$	97.26	0	0	\$	-
5,001 -	10,000 Gal.	7375	0	\$	76.10	\$	25.73	4	30	\$	304.41	0	0	\$	-
10,001 -	25,000 Gal.	16048	0	\$	131.23	\$	32.53	3	48	\$	393.68	0	0	\$	-
All Over	25,000 Gal.	40112	0	\$	274.08	\$	41.03	1	40	\$	274.08	0	0	\$	_
	2" meter			Ť		Ť				Ť				Ť	
	5,000 Gal.	0	0	\$	59.88	\$	59.88	0	0	\$	_	0	0	\$	_
	10,000 Gal.	0	0	\$	25.73	-	25.73	0	0	\$		0	0	\$	_
	25,000 Gal.	0	0	\$	32.53	\$	32.53	0	0	\$		0	0	\$	
	25,000 Gal.	0	138400	\$	41.03	\$	845.13	0	0	\$		1	138.4	\$	845.1
	meter	0	130400	Ψ	41.00	Ψ	040.10	0	0	Ψ		-	130.4	Ψ	040.1
	10,000 Gal.	0	8600	\$	94.01	\$	94.01	0	0	\$		2	17.2	\$	188.0
	25.000 Gal.	0	22775	\$	32.51	\$	172.58	0	0	\$		1.42	32.3405	\$	245.0
-,	25,000 Gal.	0	36475	\$	41.01	\$	252.93	0	0	\$		0.42	15.3195	\$	106.2
		U	30475	Ф	41.01	Ф	252.93	U	U	Ф		0.42	15.3195	Ф	106.2
	meter				404.70		404.70			_		_			
	15,000 Gal.	0	0		124.76	\$	124.76	0	0	\$	-	0	0	\$	-
	25,000 Gal.	0	0	\$	32.51	\$	32.51	0	0	\$	-	0	0	\$	-
	25,000 Gal.	0	0	\$	99.11	\$	99.11	0	0	\$	-	0	0	\$	-
	meter		_						_	_			_	_	
	25,000 Gal.	0	0	\$	186.26	\$	186.26	0	0	\$	-	0	0	\$	-
	25,000 Gal.	0	0	\$	41.01	\$	41.01	0	0	\$	-	0	0	\$	-
	-sale														
Н	CWA	2219333	0					1	2219.333		6,702				
		Sub-Total						1,554	8,235	\$	80,424.75	9.58	223	\$	1,627.2
Average Mo	nthly Rate			\$	56.34										
Average Mo	nthly Usage								5,299				23,240		
		Totals				_		1,554	8,235	\$	80,425	10	223	\$	1,62

			•		Year Endin	a 20	19
					roar Eriairi	9 20	
Α.	Operating Inco	me.					
Λ.	Operating inco	iiie.					
	Motor Colos					ሰ	CE0 E00
	Water Sales		1/I -1- Ob-	F		\$	658,596
	Disconnect/Re					Φ	7 540
	Other (Describ	oe)	customer			\$	7,512
				ection fees		\$	8,63
			911 collec			\$	3,238
				eous revenue		\$	2,39
	Les	s Allow	ances and	Deductions			
	Total Operating	g Incom	е			\$	680,376
B.	Operation and						
	(Based on Uni	form Sy	stem of Ac	counts prescribe	ed by National		
	Association of	of Regul	atory Utility	y Commissioners	s)		
	Operation Exp	ense					
		ater Purd	chases			\$	238,078
	Cor	ntract La	abor			\$	22,79
		lities				\$	27,728
	Administrative		ral Expens	se		*	
		ages & E				\$	255,191
		ofession				\$	29,995
			Services			\$	14,40
		neral &				\$	52,534
			Aum.				
		urance				\$	17,835
	Total Operating	g ⊨xper	ises			\$	658,553
						•	04.00
	Net Operating	Income				\$	21,823
C.	Non-Operating	Income) :				
	Interest Incom					\$	1,634
	Interest Expen	nse				\$	(82,517
	Total Non-Ope	rating Ir	come			\$	(80,883
D.	Net Income					\$	(59,060
E.	Debt Repayme	ent:					
	1 1						
	RUS Interest						
	RUS Principal					\$	12,500
	Non-RUS Inter					Ψ	12,000
	Non-RUS Prince					\$	85,000
	NOIFIXUS FIIII	Cipai				Ψ	05,000
	Total Daht Dar		<u> </u>			ሰ	07.500
	Total Debt Rep	baymen				\$	97,500
-	Delegas A "	ala la di	3			Φ.	(450.50
F.	Balance Availa		Joverage			\$	(156,560
	Short Lived As	sets					
	Debt Reserve						
	Existing Debt	Reserve				\$	5,000
	Balance Availa	able				\$	(161,560
	Coverage Ratio	0	(20)			(0.6

	(1st Full Y	ear of Ope	ration)		Ye	ar Ending 2	022
	- · ·						
۹.	Operating	Income:					
	Water Sale	AS				\$	984,624
		ct/Reconne	⊥ ct/Late Cha	arge Fees		Ψ	304,024
	Other (Des		customer			\$	7,500
	Other (Bee			lection fees		\$	8,650
			911 collec			\$	3,250
			miscellan	eous revenue	e	\$	2,500
		Less Allov	vances and	d Deductions	3		
	Total Oper	rating Incon	ne			\$	1,006,524
В.	Operation	and Mainte	nance Exp	enses:			
					scribed by Nat	ional	
				ty Commissi			
	Operation						
		Water Pur				\$	289,385
		Contract L	_abor			\$	27,703
		Utilities				\$	33,704
	Administra	ative & Gen		se			0.10.100
		Wages &				\$	310,186
		Profession				\$ \$	36,459
		Computer General &				\$	17,505 63,855
		Insurance	Aum.			\$	21,679
	Total Oper	ating Expe	nses			\$	800,476
	Net Opera	ting Income	2			\$	206,048
	i tot opola					Ψ	200,010
C.	Non-Opera	ating Incom	e:				
	Interest Inc	0000				Φ.	2 000
	Interest Inc					\$	2,000
	IIIICICSI LA	xperise				Ψ	
	Total Non-	Operating I	ncome			\$	2,000
D.	Net Incom					\$	209 049
D .	Net incom					Ψ	208,048
E.	Debt Repa	yment:					
	RUS Intere	RUS Interest					36,096
	RUS Princ					\$ \$	29,150
	Non-RUS					\$	53,770
	Non-RUS					\$	90,000
	Total Debt	Repaymer	l nt			\$	209,016
	10101 2001	الاستراكات المستراكات	-			Ψ	
F.	Balance A	vailable for	Coverage			\$	(968
	Short Live					\$	30,000
	Debt Rese	erve				\$	3,100
	Balance A					\$	(34,068
	Coverage I	Katio					1.00

XV. <u>ESTIMATED PROJECT COST – WATER</u>

Development	\$ 1,493,000
Land and Rights	5,000
Legal	15,000
Engineering	224,000
Interest	40,000
Contingencies	148,000
Initial Operating and Maintenance	0
Other (Refinance existing loan)	0
TOTAL	\$ 1,925,000

XXXVI. PROPOSED PROJECT FUNDING

Applicant - User Connection Fees	\$_	0
Other Applicant Contribution	_	0
RUS Loan	_	893,750
RUS Grant	_	731,250
ARC Grant (If applicable)	_	300,000
CDBG (If applicable)	_	
Other (Specify)	_	0
Other (Specify)		0
TOTAL		\$ 1,925,000

NCWD Water System Improvements Summary Addendum Funding Option 1 - 40 year Payback Schedule with Grant First Year of Operation - Year Ending in 2021 Total Project Cost \$1,925,000 Proposed Funding ARC Funds \$500,000 RD Grant Funds \$204,000 Proposed Bond Amount \$1,221,000 Proposed Debt Service RD Loan Annual Debt Service \$42,800 40 years @ 1.75% RD Loan Debt Service Coverage (10% of Annual Debt Service) \$4,280 Total New Project Debt Service \$47,080 Additional Expenses & Anticipated Debt Service Estimated Annual O & M Increase \$134,612 Short-Lived Assets \$30,000 Debt Reserve \$38,500 Total Additional Expenses & Anticipated Debt Service \$203,112 Total Annual Increase (Total New Project Debt Service + Total Additional Expenses) \$250,192 Balance Available for Coverage (For Planned & Ongoing Immediate Projects) -\$156,560 Total Additional Annual Revenue Required \$406,752 Total Additional Annual Revenue Required \$406,752 Total 2019 Billed Water Revenue \$658,459 Percentage Rate Increase 50.00% 2019 Existing Proposed Rates Rates In Gallons 5/8" x 3/4" first 1000 \$ 14.62 \$21.93 \$10.43 next 2000 \$ 6.95 next 2000 5.70 \$8.55 \$ next 5000 \$ 4.55 \$6.83 next 15,000 \$ 4.10 \$6.15 All Over 25,000 \$ 3.87 \$5.81 first 3000 \$ 28.52 \$42.78 next 2000 \$ 5.70 \$8.55 4.55 next 5000 \$ \$6.83 next 15,000 4.10 \$6.15 All Over 25,000 \$ 3.87 \$5.81 1 1/2 first 5000 39 92 \$59.88 \$ next 5000 \$ 4.55 \$6.83 next 15,000 \$ 4.10 \$6.15 All Over 25,000 \$ \$5.81 3.87 \$94.01 first 10,000 62.67 \$ next 15,000 4.10 \$6.15 All Over 25,000 \$ 3.87 \$5.81 first 15,000 \$ 83.17 \$124.76 next 10,000 4.10 \$6.15 All Over 25,000 \$ 3.87 \$5.81 first 25,000 124 17 \$186.26 All Over 25,000 \$ 3.87 \$5.81

WMWD Water System Improvements Summary Addendum Funding Option 2 - 40 year Payback Schedule with no Grant

State Stat		Fir	st Year of O	, per	ation - Y	ear Ending	g in 2020	
Section Sect	Total Project							\$1,925,00
Section Sect	D 1 E							
State		naing						\$500.00
S1,425,6 State S		ds						\$300,00
Proposed Debt Service								
S49,3 A0 Annual Debt Service S49,3 A0 A0 A0 Annual Debt Service S4,5 Andiditional Expenses & Anticipated Debt Service S13.4 S30,6 S49,8 S4								72,122,0
### Additional Expenses & Anticipated Debt Service Satisfaction State S	Proposed De	bt Service						
Section Sect			ice					\$49,84
State	40	years @	1.75%					
Additional Expenses & Anticipated Debt Service Estimated Annual O & M Increase Short-Lived Assets Cobbt Reserve Total Additional Expenses & Anticipated Debt Service Total Additional Annual Increase (Total New Project Debt Service + Total Additional Expenses) Balance Available for Coverage (For Planned & Ongoing Immediate Projects) Total Additional Annual Revenue Required Total Additional Annual Revenue Required Total 2019 Billed Water Revenue Percentage Rate Increase Percentage Rate Increase Proposed Rates Proposed Rates S68.4	RD Loan Deb	t Service Cov	erage (10% of A	nnua	al Debt Serv	rice)		\$4,99
Additional Expenses & Anticipated Debt Service Estimated Annual O & M Increase Short-Lived Assets Cobbt Reserve Total Additional Expenses & Anticipated Debt Service Total Additional Annual Increase (Total New Project Debt Service + Total Additional Expenses) Balance Available for Coverage (For Planned & Ongoing Immediate Projects) Total Additional Annual Revenue Required Total Additional Annual Revenue Required Total 2019 Billed Water Revenue Percentage Rate Increase Percentage Rate Increase Proposed Rates Proposed Rates S68.4								
Satinated Annual O & M Increase \$13.4,6 Short Lived Assets \$24.4 Total Additional Expenses & Anticipated Debt Service \$214.4 Total Annual Increase (Total New Project Debt Service + Total Additional Expenses) Sado,					<u>Total</u>	New Project	Debt Service	\$54,83
Satinated Annual O & M Increase \$13.4,6								
Short-Lived Assets Sand Sand Sand Sand Sand Sand Sand Sand				Sei	vice			#124 st
September Form Form September S			ncrease					
Total Additional Expenses & Anticipated Debt Service \$214.4		ssets						
Total Additional Expenses & Anticipated Debt Service \$214.4	Debt Reserve							\$49,82
Total Annual Increase (Total New Project Debt Service + Total Additional Expenses) \$269.2			Total Addition	nali	Evnanças &	Anticipated	_	\$211.45
Total Additional Annual Revenue Required \$425.8			1 Oldi Addillo	illi I	Expenses &	линстранеа	Debt Service	φ214,43
Total Additional Annual Revenue Required \$425,8	Total Annual I	ncrease (Tota	l New Project D	ebt s	Service + Ta	otal Additiona	l Expenses)	\$269.25
Total Additional Annual Revenue Required Total 2019 Billed Water Revenue Percentage Rate Increase Percentage Rate Increase \$425.8								-\$156,56
Total Additional Annual Revenue Required Total 2019 Billed Water Revenue Percentage Rate Increase ± \$658.4			J. () 1 2 22 22 20 0		<i>5 8</i> ·		ĺ	1.2.2.40
Total 2019 Billed Water Revenue # \$658.4			Tot	al A	dditional A	nnual Rever	nue Required	\$425,84
Total 2019 Billed Water Revenue # \$658.4								# · · ·
Percentage Rate Increase Rates Rates Rates Rates Rates Rates Rates S/8" x 3/4"				ed				\$425,84
Rates Proposed Rates Rates	Total 2019	Billed Water	r Revenue			D		
Rates Rates S/8" x 3/4"						rercentage K	ate Increase	65.00
Rates Rates S/8" x 3/4"								
In Gatlons				201	9 Existing	Proposed		
5/8" x 3/4"			In Gallons		Rates	Rates		
first 1000 \$ 14.62 \$24.12 next 2000 \$ 6.95 \$11.47 next 2000 \$ 5.70 \$9.41 next 5000 \$ 4.55 \$7.51 next 15,000 \$ 4.10 \$6.77 All Over 25,000 \$ 3.87 \$6.39 1" first 3000 \$ 28.52 \$47.06 next 2000 \$ 5.70 \$9.41 next 5000 \$ 4.55 \$7.51 next 15,000 \$ 4.10 \$6.77 All Over 25,000 \$ 4.55 \$7.51 next 15,000 \$ 4.55 \$7.51 next 5000 \$ 4.55 \$7.51 next 5000 \$ 4.55 \$7.51 next 5000 \$ 3.87 \$6.39 1 11/2" first 5000 \$ 39.92 \$65.87 next 5000 \$ 4.55 \$7.51 next 5000 \$ 3.87 \$6.39 2" first 15,000 \$ 3.87 \$6.39 2" first 15,000 \$ 3.87 \$6.39 2" first 10,000 \$ 4.10 \$6.77 All Over 25,000 \$ 3.87 \$6.39 3" first 15,000 \$ 3.87 \$6.39 3" first 15,000 \$ 4.10 \$6.77 All Over 25,000 \$ 3.87 \$6.39 3" first 15,000 \$ 4.10 \$6.77 All Over 25,000 \$ 3.87 \$6.39 All Over 25,000 \$ 3.87 \$6.39 4" first 25,000 \$ 3.87 \$6.39								
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