

KENTUCKY GUIDE 7  
MAY 1998

SUMMARY ADDENDUM  
TO  
PRELIMINARY ENGINEERING REPORT

4/01/2020

FOR

**Meade County Water District  
2019 Water System Improvements Project**

APPLICANT CONTACT PERSON **Tim Gossett, General Manager**

APPLICANT PHONE NUMBER **270-422-5006**

APPLICANT TAX IDENTIFICATION NUMBER (TIN) **61-1043975**

***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 reviews and grant determinations may be processed more accurately and more rapidly if the Summary/Addendum is submitted simultaneously with the preliminary engineering report, or as soon thereafter as possible.

**I. GENERAL**

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

The Meade County Water District (MCWD) plans to design and construct approximately 84,000 linear feet (LF) of new 4, 6, and 8-inch water mains to eliminate dead end lines and to extend water service to unserved areas of southern and eastern Meade County.

The new lines and extensions will improve water flow within the distribution network from the system's new primary connection with HCWD#1, creating 12 loops and eliminating dead-end lines. The extensions to unserved areas will make water available for up to 200 unserved households.

**II. FACILITY CHARACTERISTICS OF EXISTING SEWER SYSTEM - NA**

A. Sewage Treatment:

1. Type \_\_\_\_\_

2. Method of Sludge Disposal \_\_\_\_\_  
\_\_\_\_\_

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

\$ \_\_\_\_\_

4. Date Constructed \_\_\_\_\_

B. Treatment Capacity of Sewage Treatment Plant \_\_\_\_\_

C. Type of Sewage Collector System (Describe) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

D. Number and Capacity of Sewage Lift Stations \_\_\_\_\_  
\_\_\_\_\_

**E. Sewage Collection System:**

Lineal Feet of Collector Lines, by size 6" \_\_\_\_\_ 8" \_\_\_\_\_  
10" \_\_\_\_\_ 12" \_\_\_\_\_, 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.

**Meade County Water District currently purchases all water wholesale from the Hardin County Water District #1. They have a long term water purchase agreement that was updated in 2018.**

If the applicant purchases water:

**Seller(s):**

1. **Hardin County Water District #1**

2. \_\_\_\_\_

3. \_\_\_\_\_

**Price/1,000 gallons:**

1. **\$2.36**

2. \_\_\_\_\_

3. \_\_\_\_\_

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

B. Water Storage:

Type: Ground Storage Tank 0 Elevated Tanks 3

Standpipe 0 Other 0

Number of Storage Structures **3 (Garret 300K, Flaherty 500K, Payneville 300K)**

Total Storage Volume Capacity - **1,100,000**

Date Storage Tank(s) Constructed - **1978-2013**

C. Water Distribution System:

Pipe Material - **PVC**

Lineal Feet of Pipe: 3" Diameter - 0 4" - **156,708**

6" - **220,725** 8" - **111,925**

10" - **10,870** 12" - **25,300**

Date(s) Water Lines Constructed - **1986-2018**

Number and Capacity of Pump Station(s) **2 - KY #144 - 350 GPM, KY #313/#1882  
1,000 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 existing distribution and storage system is well maintained and in good condition. The Garret and Payneville elevated tanks will need rehabilitation in the 10 to 15 year period.**

E. Percentage of Water Loss Existing System - **13%** \_\_\_\_\_

IV. EXISTING LONG-TERM INDEBTEDNESS - Attached

A. List of Bonds and Notes:

<u>Date of Issue</u>	<u>Bond/Note Holder</u>	<u>Principal Balance</u>	<u>Payment Date</u>	<u>Bond Type Water/Sewer*</u>	<u>Amount on Deposit in Reserve Account</u>
19__ Issue	_____	\$ _____	_____	% _____ %	
19__ Issue	_____	\$ _____	_____	% _____ %	
19__ Issue	_____	\$ _____	_____	% _____ %	
19__ Issue	_____	\$ _____	_____	% _____ %	
19__ Issue	_____	\$ _____	_____	% _____ %	

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

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

<u>Date of Issue</u>	<u>Bond/Note Holder</u>	<u>Payment Year</u>		<u>Payment Year</u>		<u>Payment Year</u>	
		<u>2020</u>	<u>2021</u>	<u>2021</u>	<u>2022</u>	<u>2022</u>	<u>2022</u>
		<u>Principal Payment</u>	<u>Interest Payment</u>	<u>Principal Payment</u>	<u>Interest Payment</u>	<u>Principal Payment</u>	<u>Interest Payment</u>
<u>2001</u> Issue	<u>USDA-RD</u>	<u>\$ 13,000</u>	<u>13,738</u>	<u>14,000</u>	<u>12,425</u>	<u>15,000</u>	<u>\$ 11,713</u>
19 <u>92</u> Issue	<u>USDA-RD</u>	<u>41,000</u>	<u>7,588</u>	<u>44,000</u>	<u>5,270</u>	<u>47,000</u>	<u>2,794</u>
<u>2004</u> Issue	<u>KIA</u>	<u>10,000</u>	<u>1,137</u>	<u>10,000</u>	<u>687</u>	<u>5,000</u>	<u>231</u>
<u>2005</u> Issue	<u>KIA</u>	<u>22,922</u>	<u>3,482</u>	<u>23,615</u>	<u>2,789</u>	<u>24,329</u>	<u>2,075</u>
<u>2010</u> Issue	<u>KIA</u>	<u>37,699</u>	<u>12,698</u>	<u>38,839</u>	<u>11,558</u>	<u>40,012</u>	<u>10,384</u>
<u>2018</u> Issue	<u>OSDA-RD</u>	<u>\$ 31,500</u>	<u>53,728</u>	<u>32,000</u>	<u>52,855</u>	<u>33,000</u>	<u>\$ 51,961</u>

2019 Long Term Debt Schedule

LOAN	PAY SCHEDULE	AMOUNT	BALANCE	MATURITY DATE
Rhodelia/Ky 228 (RD) 91-04	Jul-19	\$39,765.45	\$1,912,500.00	1/1/2049
	Jan-20	\$40,424.55		
Phase VII ~ Flaherty Line Extensions (KIA)	Jun-19	\$25,785.13	\$432,625.72	12/1/2029
	Dec-19	\$25,764.43 ✓		
Phase V ~ Ekron (KIA) F03-05	Jun-19	\$13,381.96	\$121,750.91	12/1/2024
	Dec-19	\$13,368.16 ✓		
KRWA ~ refin 2 Farmers Loans	Jan-19	\$48,388.78	\$207,092.13	1/1/2024
	Jan-19	\$4,840.63		
	2/2019 ~ 12/2019	\$4,223.44 mthly ✓		
Rural Development (start up loan) 91-03	Jan-19	\$10,742.00	\$204,084.03	7/1/2032
	Jul-19	\$13,000.00		
Payneville/Battletown (KIA) C98-05	1/2019 ~ 6/2019	\$990.00 ✓	\$25,000.00	6/1/2022
	7/2019 ~ 12/2019	\$951.88 ✓		
Flaherty Innerconnect Loan #91-06	Jan-19	\$55,513.70	\$1,969,500.00	1/1/2056

\$288,000 +  
140,000  
McConny Base Loan

MEADE COUNTY WATER DISTRICT

NOTES TO FINANCIAL STATEMENTS

DECEMBER 31, 2018

**NOTE 5 – LONG-TERM OBLIGATIONS**

The construction cost of the District's water facilities have been financed by issuance of revenue bonds and notes payable authorized under Kentucky Revised Statutes. All assets of the District are pledged as collateral for these bonds. Bond maturities and Sinking Fund requirements in each of the next five years and in subsequent five year increments are as follows:

Year	Notes and Bonds Payable		Sinking Fund Requirements
	Principal	Interest	
2019	\$ 318,990	\$ 176,385	\$ 495,375
2020	187,621	171,262	358,883
2021	194,954	163,804	358,758
2022	198,341	156,007	354,348
2023	201,286	147,267	348,553
2024-2028	742,890	661,761	1,404,651
2029-2033	622,286	532,635	1,154,921
2034-2038	565,000	427,762	992,762
2039-2043	683,000	317,236	1,000,236
2044-2048	825,500	182,140	1,007,640
2049-2053	473,000	61,160	534,160
2054-2056	243,000	10,134	253,134
<b>Total</b>	<b>\$ 5,255,868</b>	<b>\$ 3,007,553</b>	<b>\$ 8,263,421</b>

Changes in long-term obligations during the year ended December 31, 2018 were:

	Balance 12/31/2017	Additions	Reductions	Balance 12/31/2018	Due Within One Year
<b>Bonds and notes payable:</b>					
Revenue Bonds Payable	\$ 2,588,500	\$ 2,000,000	\$ (84,500)	\$ 4,504,000	\$ 111,500
Notes Payable	1,044,998	-	(293,130)	751,868	207,490
Unamortized Issuance Costs	(4,835)	(10,244.00)	965	(14,114)	(1,236)
<b>Total</b>	<b>\$ 3,628,663</b>	<b>\$ 1,989,756</b>	<b>\$ (376,665)</b>	<b>\$ 5,241,754</b>	<b>\$ 317,754</b>

Information relating to the outstanding bond and notes is summarized below:

Date of Issue	Interest Rate	Original Amount of Each Issue	Bonds and Notes Payable Outstanding December 31, 2018
2001 Bond Series A	5.08%	\$ 605,000	\$ 272,000
1992 Bond Payable	5.00%	415,000	223,000
KIA Bond Payable	4.68%	165,000	35,000
KIA Note Payable	3.00%	394,760	144,001
KIA Note Payable	3.00%	753,447	469,220
USDA Bond Payable	4.13%	2,150,000	1,974,000
<del>Meade County Bank</del>	<del>0.99%</del>	<del>452,871</del>	<del>138,647</del>
2018 Bond Series A	2.75%	2,000,000	2,000,000

*Paid off 7/19*

(Continued next page)

MEADE COUNTY WATER DISTRICTSCHEDULE I - PRINCIPAL AND INTEREST REQUIREMENTSDECEMBER 31, 2018

	1992 BOND PAYABLE		2001 SERIES A BOND PAYABLE	
	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST
2019	38,000	9,749	13,000	13,738
2020	41,000	7,588	13,000	13,088
2021	44,000	5,270	14,000	12,425
2022	47,000	2,794	15,000	11,713
2023	49,000	211	16,000	10,095
2024	4,000	-	17,000	10,138
2025			18,000	9,275
2026			20,000	8,350
2027			20,000	7,350
2028			22,000	6,325
2029			23,000	5,213
2030			25,000	4,038
2031			27,000	2,750
2032			29,000	975
2033				
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2055				
2056				
	<u>\$ 223,000</u>	<u>\$ 25,612</u>	<u>\$ 272,000</u>	<u>\$ 115,473</u>



MEADE COUNTY WATER DISTRICTSCHEDULE I - PRINCIPAL AND INTEREST REQUIREMENTSDECEMBER 31, 2018

	KIA BOND PAYABLE		KIA NOTE PAYABLE	
	<u>PRINCIPAL</u>	<u>INTEREST</u>	<u>PRINCIPAL</u>	<u>INTEREST</u>
2019	10,000	1,581	22,250	4,154
2020	10,000	1,137	22,922	3,482
2021	10,000	687	23,615	2,789
2022	5,000	231	24,329	2,075
2023			25,064	1,340
2024			25,821	582
2025				
2026				
2027				
2028				
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2055				
2056				
	<u>\$ 35,000</u>	<u>\$ 3,637</u>	<u>\$ 144,001</u>	<u>\$ 14,422</u>

MEADE COUNTY WATER DISTRICTSCHEDULE I - PRINCIPAL AND INTEREST REQUIREMENTSDECEMBER 31, 2018

	KIA NOTE PAYABLE		2010 SERIES BOND PAYABLE	
	<u>PRINCIPAL</u>	<u>INTEREST</u>	<u>PRINCIPAL</u>	<u>INTEREST</u>
2019	36,593	13,804	30,000	80,809
2020	37,699	12,698	31,500	79,540
2021	38,839	11,558	32,500	78,220
2022	40,012	10,384	34,000	76,849
2023	41,222	9,175	36,000	75,406
2024	42,468	7,930	37,500	73,890
2025	43,751	6,646	39,000	72,311
2026	45,074	5,323	41,000	70,661
2027	46,436	3,961	43,000	68,928
2028	47,840	2,558	45,000	67,114
2029	49,286	1,111	47,000	65,216
2030			49,000	63,236
2031			51,500	61,164
2032			54,000	58,988
2033			56,500	56,709
2034			59,000	54,327
2035			61,500	51,841
2036			64,500	49,242
2037			67,500	46,559
2038			70,500	43,674
2039			74,000	40,694
2040			77,500	37,569
2041			81,000	34,299
2042			84,500	30,885
2043			88,500	27,318
2044			92,500	23,584
2045			97,000	19,225
2046			101,500	15,581
2047			106,000	11,302
2048			111,000	6,827
2049			110,000	2,269
2050				
2051				
2052				
2053				
2054				
2055				
2056				
	<u>\$ 469,220</u>	<u>\$ 85,148</u>	<u>\$ 1,974,000</u>	<u>\$ 1,544,237</u>

MEADE COUNTY WATER DISTRICTSCHEDULE I - PRINCIPAL AND INTEREST REQUIREMENTSDECEMBER 31, 2018

	MEADE COUNTY BANK NOTE PAYABLE		2018 SERIES A BOND PAYABLE	
	<u>PRINCIPAL</u>	<u>INTEREST</u>	<u>PRINCIPAL</u>	<u>INTEREST</u>
<del>2019</del>	<del>137,127</del>	<del>455</del>	30,500	52,095
2020			31,500	53,728
2021			32,000	52,855
2022			33,000	51,961
2023			34,000	51,040
2024			35,000	50,091
2025			36,000	49,115
2026			37,000	48,111
2027			38,000	47,080
2028			39,000	46,021
2029			40,000	44,935
2030			41,000	43,821
2031			42,000	42,680
2032			43,500	41,504
2033			44,500	40,294
2034			46,000	39,050
2035			47,000	37,771
2036			48,500	36,458
2037			49,500	35,111
2038			51,000	33,729
2039			52,500	32,306
2040			54,000	30,841
2041			55,500	29,336
2042			57,000	27,789
2043			58,500	26,201
2044			60,000	24,571
2045			62,000	22,894
2046			63,500	21,168
2047			65,000	19,401
2048			67,000	17,586
2049			69,000	15,716
2050			70,500	13,798
2051			72,500	11,832
2052			74,500	9,811
2053			76,500	7,734
2054			79,000	5,596
2055			81,000	3,396
2056			83,000	1,141
	<u>\$ 137,127</u>	<u>\$ 455</u>	<u>\$ 2,000,000</u>	<u>\$ 1,218,569</u>

V. EXISTING SHORT-TERM INDEBTEDNESS - *NA*

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

<u>Lender or Lessor</u>	<u>Date of Issue (Month &amp; Year)</u>	<u>Principal Balance</u>	<u>Purpose (Water and/ or Sewer)</u>	<u>Payment Date</u>	<u>Principal &amp; Interest Payment (P&amp;I)</u>	<u>Date to Be Paid In Full</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

VI. LAND AND RIGHTS - EXISTING SYSTEM(S)

Number of Treatment Plant Sites: Water 0 Sewer \_\_\_\_\_  
 Number of Storage Tank Sites Water 3 Sewer \_\_\_\_\_  
 Number of Pump Stations: Water 2 Sewer \_\_\_\_\_  
 Total Acreage: Water 7.27 Acres Sewer \_\_\_\_\_ Acres  
 Purchase Price: Water \$ 472,400 Sewer \$ \_\_\_\_\_

VII. NUMBER OF EXISTING USERS

	<u>Water</u>	<u>Sewer</u>
Residential (In Town) *	_____	_____
Residential (Out of Town) *	<u>5,000</u>	_____
Non-Residential (In Town)	_____	_____
Non-Residential (Out of Town)	_____	_____
Total	<u>5,000</u>	_____
Number to Total Potential Users Living in the Service Area	<u>8,020</u>	_____

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

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

<u>Meter Size</u>	<u>Water Connection Fee</u>	<u>Sewer Connection Fee - NA</u>
<u>5/8" x 3/4"</u>	<u>\$ 950.00</u>	<u>\$</u>
<u>1" Inch</u>	<u>\$</u>	

IX. SEWER RATES - EXISTING SYSTEM - NA

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

X. WATER RATES - EXISTING SYSTEM

Existing Rate Schedule:

First	2,000	Gallons @ \$ 18.60 Minimum.
Next	5,000	Gallons @ \$ 9.01 per 1,000 Gallons.
Next	10,000	Gallons @ \$ 8.68 per 1,000 Gallons.
Next	20,000	Gallons @ \$ 7.91 per 1,000 Gallons.
Next	_____	Gallons @ \$ ____ per 1,000 Gallons.
Next	_____	Gallons @ \$ ____ per 1,000 Gallons.
All Over	37,000	Gallons @ \$ 6.83 per 1,000 Gallons.

Date This Rate Went Into Effect - April 15, 2019

If More Than One Rate Schedule, Please Include All Schedules.

Wholesale Rates:

Doe Valley Water - \$4.22 per 1,000 gallons  
Otter Creek Water - \$4.34 per 1,000 gallons  
Bulk Sales Rate - \$6.33 per 1,000 gallons

AREA Meade County, Kentucky

P.S.C. KY. NO. 3

Third Revised SHEET NO. 4

CANCELLING PSC KY NO. 3

Second Revised SHEET NO. 4

Meade County Water District  
(NAME OF UTILITY)

A. Monthly Water Rates

All Meters

First 2,000 Gallons  
Next 5,000 Gallons  
Next 10,000 Gallons  
Next 20,000 Gallons  
Over 37,000 Gallons

\$18.60 Minimum bill  
9.01 per 1,000 Gallons  
8.68 per 1,000 Gallons  
7.91 per 1,000 Gallons  
6.83 per 1,000 Gallons

Bulk Sales Rate

6.33 per 1,000 Gallons

Wholesale Rates

Doe Valley Water  
Otter Creek Water

4.22 per 1,000 Gallons  
4.34 per 1,000 Gallons

(I)  
↓

DATE OF ISSUE April 15, 2019  
MONTH/DATE/YEAR

DATE EFFECTIVE April 09, 2019  
MONTH/DATE/YEAR

ISSUED BY [Signature]  
SIGNATURE OF OFFICER

TITLE General Manager

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION

IN CASE NO. 2019-00044 DATED April 09, 2019

KENTUCKY PUBLIC SERVICE COMMISSION
Gwen R. Pinson Executive Director <u>[Signature]</u>
EFFECTIVE <u>4/9/2019</u> PURSUANT TO 807 KAR 5.011 SECTION 8 (1)

**XI. ANALYSIS OF ACTUAL SEWER USAGE - EXISTING SYSTEM - 12 MONTH PERIOD - NA**

For Period \_\_\_\_\_ to \_\_\_\_\_.

<i>All Meter Sizes</i>	<i>Monthly Sewer Usage</i>	<i>Average</i>	<i>Residential</i>		<i>Non-Residential</i>	
			<i>No. of Users</i>	<i>Usage (1000)</i>	<i>No. of Users</i>	<i>Usage (1000)</i>
0 - 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	_____	_____	_____	_____
7,000 - 8,000	Gallons	7,500	_____	_____	_____	_____
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	_____	_____	_____	_____
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	_____	_____	_____	_____
19,000 - 20,000	Gallons	19,500	_____	_____	_____	_____
_____ - _____	Gallons	_____	_____	_____	_____	_____
_____ - _____	Gallons	_____	_____	_____	_____	_____
_____ - _____	Gallons	_____	_____	_____	_____	_____
		<b>Total</b>	(_____)	(_____)	(_____)	(_____)
		<b>Average Usage</b>	(_____)	(_____)	(_____)	(_____)

**XII. ANALYSIS OF ACTUAL WATER USAGE - EXISTING SYSTEM - 12 MONTH PERIOD - Attached**

For Period - January 1, 2019 to December 31, 2019.

All Meter Sizes	Monthly Water Usage	Average	Residential		Non-Residential	
			No. of Users	Usage (1000)	No. of Users	Usage (1000)
0 - 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	_____	_____	_____	_____
7,000 - 8,000	Gallons	7,500	_____	_____	_____	_____
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	_____	_____	_____	_____
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	_____	_____	_____	_____
19,000 - 20,000	Gallons	19,500	_____	_____	_____	_____
_____ - _____	Gallons	_____	_____	_____	_____	_____
_____ - _____	Gallons	_____	_____	_____	_____	_____
_____ - _____	Gallons	_____	_____	_____	_____	_____
		<b>Total</b>	(____)	(____)	(____)	(____)
		<b>Average Usage</b>		(____)		(____)

**Total Water Purchased and/or Produced** \_\_\_\_\_  
**Total Water Sold** \_\_\_\_\_



2019 RETAIL

\$2,162,575

**User Income and Rate Schedules**

Customer Name: **Meade County Water District**

Project Name: **2019 Improvements**

**D. USER INCOME CALCULATIONS**

RATE SCHEDULE **Water 2019 Rates**

First	2,000 Gallons	For	\$18.60	Per	Minimum Gallons	(Minimum Bill)
Next	5,000 Gallons	For	\$9.01	Per	1,000 Gallons	
Next	10,000 Gallons	For	\$8.68	Per	1,000 Gallons	
Next	20,000 Gallons	For	\$7.91	Per	1,000 Gallons	
Next	0 Gallons	For	\$0.00	Per	1,000 Gallons	
Next	0 Gallons	For	\$0.00	Per	1,000 Gallons	
Next	0 Gallons	For	\$0.00	Per	1,000 Gallons	
All Over	37,000 Gallons	For	\$6.83	Per	1,000 Gallons	

USER GROUP: **Residential** TYPE of SERVICE: **water** RESIDENTIAL/NON-RESIDENTIAL? **R** (input R or N)

268 Users @	1,000 Gallons	=	\$18.60 per user -	\$4,984.80 monthly
1,100 Users @	2,000 Gallons	=	\$18.60 per user -	\$20,460.00 monthly
1,250 Users @	3,000 Gallons	=	\$27.61 per user -	\$34,512.50 monthly
951 Users @	4,000 Gallons	=	\$36.62 per user -	\$34,825.62 monthly
531 Users @	5,200 Gallons	=	\$47.43 per user -	\$25,185.33 monthly
400 Users @	6,500 Gallons	=	\$59.15 per user -	\$23,660.00 monthly
100 Users @	7,500 Gallons	=	\$67.99 per user -	\$6,799.00 monthly
90 Users @	8,500 Gallons	=	\$76.67 per user -	\$6,900.30 monthly
26 Users @	9,500 Gallons	=	\$85.35 per user -	\$2,219.10 monthly
12 Users @	10,500 Gallons	=	\$94.03 per user -	\$1,128.36 monthly
8 Users @	12,000 Gallons	=	\$107.05 per user -	\$856.40 monthly
7 Users @	15,000 Gallons	=	\$133.09 per user -	\$931.63 monthly
3 Users @	17,000 Gallons	=	\$150.45 per user -	\$451.35 monthly
5 Users @	18,500 Gallons	=	\$162.32 per user -	\$811.60 monthly
3 Users @	21,000 Gallons	=	\$182.09 per user -	\$546.27 monthly
1 Users @	23,000 Gallons	=	\$197.91 per user -	\$197.91 monthly
1 Users @	25,000 Gallons	=	\$213.73 per user -	\$213.73 monthly
2 Users @	27,000 Gallons	=	\$229.55 per user -	\$459.10 monthly
2 Users @	28,500 Gallons	=	\$241.42 per user -	\$482.84 monthly
2 Users @	30,000 Gallons	=	\$253.28 per user -	\$506.56 monthly
1 Users @	33,000 Gallons	=	\$277.01 per user -	\$277.01 monthly
1 Users @	36,000 Gallons	=	\$300.74 per user -	\$300.74 monthly
1 Users @	36,500 Gallons	=	\$304.70 per user -	\$304.70 monthly
2 Users @	39,000 Gallons	=	\$322.31 per user -	\$644.62 monthly
1 Users @	46,500 Gallons	=	\$373.54 per user -	\$373.54 monthly
1 Users @	50,000 Gallons	=	\$397.44 per user -	\$397.44 monthly
1 Users @	60,000 Gallons	=	\$465.74 per user -	\$465.74 monthly
1 Users @	106,000 Gallons	=	\$779.92 per user -	\$779.92 monthly
0 Users @	110,000 Gallons	=	\$807.24 per user -	\$0.00 monthly
0 Users @	115,000 Gallons	=	\$841.39 per user -	\$0.00 monthly
0 Users @	120,000 Gallons	=	\$875.54 per user -	\$0.00 monthly
0 Users @	125,000 Gallons	=	\$909.69 per user -	\$0.00 monthly

**TOTALS:**

4,771 Users      18,343,700 Gallons      MONTHLY \$169,676.11  
 ANNUAL \$2,036,113.32

**RATE SCHEDULE** Water

First	2,000 Gallons	For	\$18.60	Per	Minimum Gallons (Minimum Bill)
Next	5,000 Gallons	For	\$9.01	Per	1,000 Gallons
Next	10,000 Gallons	For	\$8.68	Per	1,000 Gallons
Next	20,000 Gallons	For	\$7.91	Per	1,000 Gallons
Next	0 Gallons	For	\$0.00	Per	1,000 Gallons
Next	0 Gallons	For	\$0.00	Per	1,000 Gallons
Next	0 Gallons	For	\$0.00	Per	1,000 Gallons
All Over	37,000 Gallons	For	\$6.83	Per	1,000 Gallons

**USER GROUP:** Commercial **TYPE of SERVICE:** water **RESIDENTIAL/NON-RESIDENTIAL?** N (Input R or N)

103 Users @	1,000 Gallons	=	\$18.60 per user -	\$1,915.80	monthly
31 Users @	3,000 Gallons	=	\$27.61 per user -	\$855.91	monthly
20 Users @	5,000 Gallons	=	\$45.63 per user -	\$912.60	monthly
9 Users @	6,500 Gallons	=	\$59.15 per user -	\$532.35	monthly
4 Users @	8,500 Gallons	=	\$76.67 per user -	\$306.68	monthly
3 Users @	11,000 Gallons	=	\$98.37 per user -	\$295.11	monthly
1 Users @	14,000 Gallons	=	\$124.41 per user -	\$124.41	monthly
2 Users @	15,000 Gallons	=	\$133.09 per user -	\$266.18	monthly
2 Users @	16,000 Gallons	=	\$141.77 per user -	\$283.54	monthly
1 Users @	19,500 Gallons	=	\$170.23 per user -	\$170.23	monthly
2 Users @	25,000 Gallons	=	\$213.73 per user -	\$427.46	monthly
2 Users @	29,000 Gallons	=	\$245.37 per user -	\$490.74	monthly
1 Users @	23,500 Gallons	=	\$201.87 per user -	\$201.87	monthly
1 Users @	33,000 Gallons	=	\$277.01 per user -	\$277.01	monthly
1 Users @	28,500 Gallons	=	\$241.42 per user -	\$241.42	monthly
0 Users @	35,500 Gallons	=	\$296.79 per user -	\$0.00	monthly
1 Users @	40,000 Gallons	=	\$329.14 per user -	\$329.14	monthly
0 Users @	48,500 Gallons	=	\$387.20 per user -	\$0.00	monthly
0 Users @	54,500 Gallons	=	\$428.18 per user -	\$0.00	monthly
1 Users @	60,000 Gallons	=	\$465.74 per user -	\$465.74	monthly
0 Users @	94,500 Gallons	=	\$701.38 per user -	\$0.00	monthly
0 Users @	102,500 Gallons	=	\$756.02 per user -	\$0.00	monthly
Users @	Gallons	=	\$18.60 per user -	\$0.00	monthly
Users @	Gallons	=	\$18.60 per user -	\$0.00	monthly
Users @	Gallons	=	\$18.60 per user -	\$0.00	monthly
Users @	Gallons	=	\$18.60 per user -	\$0.00	monthly
Users @	Gallons	=	\$18.60 per user -	\$0.00	monthly
Users @	Gallons	=	\$18.60 per user -	\$0.00	monthly
Users @	Gallons	=	\$18.60 per user -	\$0.00	monthly
Users @	Gallons	=	\$18.60 per user -	\$0.00	monthly
Users @	Gallons	=	\$18.60 per user -	\$0.00	monthly
Users @	Gallons	=	\$18.60 per user -	\$0.00	monthly

**TOTALS:**

185 Users	810,000 Gallons	<b>MONTHLY</b>	\$8,096.19
		<b>ANNUAL</b>	\$97,154.28





<b>Total Users</b>	=	<b>5,001</b>
<b>Gallons/EDU</b>	=	<b>3,844.83</b>
<b>Commercial EDU's</b>	=	<b>280</b>
<b>Residential EDU's</b>	=	<b>4,771</b>
<b>Total EDU's</b>	=	<b>5,051</b>
<b>Monthly Cost per EDU</b>	=	<b>\$35.68</b>











<b>Total Users</b>	=	<b>1,313</b>
<b>Gallons/EDU</b>	=	<b>5,706.54</b>
<b>Commercial EDU's</b>	=	<b>11</b>
<b>Residential EDU's</b>	=	<b>1,253</b>
<b>Total EDU's</b>	=	<b>1,264</b>
<b>Monthly Cost per EDU</b>	=	<b>\$24.21</b>

**XIII. FACILITY CHARACTERISTICS OF PROPOSED SEWER SYSTEM - NA**

**A. Sewage Treatment:**

1. Type \_\_\_\_\_

2. Method of Sludge Disposal \_\_\_\_\_

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

\$ \_\_\_\_\_

**B. Treatment Capacity of Sewage Treatment Plant** \_\_\_\_\_

**C. Type of Sewage Collector System (Describe)** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**D. Number and Capacity of Sewage Lift Stations** \_\_\_\_\_

\_\_\_\_\_

**E. Sewage Collection System:**

Lineal Feet of Collector Lines, by size 6" \_\_\_\_\_ 8" \_\_\_\_\_

10" \_\_\_\_\_ 12" \_\_\_\_\_, Larger \_\_\_\_\_

**XIV. LAND AND RIGHTS - PROPOSED SEWER SYSTEM**

**Number of Treatment Plant Sites** \_\_\_\_\_

**Number of Pump Sites** \_\_\_\_\_

**Number of Other Sites** \_\_\_\_\_

**Total Acreage** \_\_\_\_\_ **Acres**

**Purchase Price** \$ \_\_\_\_\_

**XV. FACILITY CHARACTERISTICS OF PROPOSED WATER SYSTEM**

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

**MCWD Purchases all water wholesale from Hardin County Water District #1. Water is provided from the Pirtle WTP. HCWD #1 is also interconnected with the Louisville Water Company for backup supply. Existing purchase agreement with HCWD #1 was renewed in 2018.**

B. Water Storage: NA

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" 29,900  
6" 52,250 8" 1,950  
10" \_\_\_\_\_ 12" \_\_\_\_\_

Number and Capacity of Pump Station(s) NA \_\_\_\_\_

**XVI. LAND AND RIGHTS - PROPOSED WATER SYSTEM**

Number of Treatment Plant Sites \_\_\_\_\_ 0 \_\_\_\_\_

Number of Pump Sites \_\_\_\_\_ 0 \_\_\_\_\_

Number of Other Sites \_\_\_\_\_ 0 \_\_\_\_\_

Total Acreage \_\_\_\_\_ 0 \_\_\_\_\_ Acres

Purchase Price \$ \_\_\_\_\_ 0 \_\_\_\_\_

**XVII. NUMBER OF NEW SEWER USERS - NA**

***Residential (In Town) \****

\_\_\_\_\_

***Residential (Out of Town) \****

\_\_\_\_\_

***Non-Residential (In Town)***

\_\_\_\_\_

***Non-Residential (Out of Town)***

\_\_\_\_\_

***Total***

\_\_\_\_\_

***Number to Total Potential Users Living in the Service Area***

\_\_\_\_\_

***\*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 SEWER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION - NA**

<u>Meter Size</u>	<u>Connection Fee</u>
<u>5/8" x 3/4"</u>	\$
<u>1 - Inch</u>	\$
<u>1-1/2 Inch</u>	\$
<u>2 - Inch</u>	\$
<u>3 - Inch</u>	\$
<u>4 - Inch</u>	\$
<u>5 - Inch</u>	\$
<u>6 - Inch</u>	\$

**XIX. NUMBER OF NEW WATER USERS**

Residential (In Town) *	_____
Residential (Out of Town) *	<u>  200  </u>
Non-Residential (In Town)	_____
Non-Residential (Out of Town)	_____
Total	<u>  200  </u>
Number to Total Potential Users Living in the Service Area	<u> 3,020 </u>

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

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

<u>Meter Size</u>	<u>Connection Fee</u>
<u>5/8" x 3/4"</u>	<u>\$ 950.00</u>
<u>1 - Inch</u>	<u>\$ 1,500.00</u>
<u>1-1/2 Inch</u>	<u>\$ _____</u>
<u>2 - Inch</u>	<u>\$ _____</u>
<u>3 - Inch</u>	<u>\$ _____</u>
<u>4 - Inch</u>	<u>\$ _____</u>
<u>5 - Inch</u>	<u>\$ _____</u>
<u>6 - Inch</u>	<u>\$ _____</u>

**XXI. SEWER RATES – PROPOSED - NA**

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

Percentage of Water Bill \_\_\_\_\_ % Minimum Charge \$ \_\_\_\_\_

Other: (If Charge Not Based on Water Bill) \_\_\_\_\_

**Proposed Rate Schedule: (Without RUS Grant)**

First	_____ Gallons @ \$ _____	Minimum.
Next	_____ Gallons @ \$ _____	per 1,000 Gallons.
Next	_____ Gallons @ \$ _____	per 1,000 Gallons.
Next	_____ Gallons @ \$ _____	per 1,000 Gallons.
Next	_____ Gallons @ \$ _____	per 1,000 Gallons.
Next	_____ Gallons @ \$ _____	per 1,000 Gallons.
All Over	_____ Gallons @ \$ _____	per 1,000 Gallons.

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

**B. Recommended Rate Schedule with RUS Grant:**

Percentage of Water Bill \_\_\_\_\_ % Minimum Charge \$ \_\_\_\_\_

Other: (If Charge Not Based on Water Bill) \_\_\_\_\_

**Recommended Rate Schedule: (With RUS Grant)**

First	_____ Gallons @ \$ _____	Minimum.
Next	_____ Gallons @ \$ _____	per 1,000 Gallons.
Next	_____ Gallons @ \$ _____	per 1,000 Gallons.
Next	_____ Gallons @ \$ _____	per 1,000 Gallons.
Next	_____ Gallons @ \$ _____	per 1,000 Gallons.
Next	_____ Gallons @ \$ _____	per 1,000 Gallons.
All Over	_____ Gallons @ \$ _____	per 1,000 Gallons.

*If more than one rate, use additional sheets.*

**XXII. WATER RATES – PROPOSED – MCWD is Eligible for Loan Only.**

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

First	<u>  2,000  </u>	Gallons @ \$ <u>  20.74  </u>	Minimum.
Next	<u>  5,000  </u>	Gallons @ \$ <u>  10.05  </u>	per 1,000 Gallons.
Next	<u>10,000  </u>	Gallons @ \$ <u>   9.68  </u>	per 1,000 Gallons.
Next	<u>20,000  </u>	Gallons @ \$ <u>   8.82  </u>	per 1,000 Gallons.
Next	<u>          </u>	Gallons @ \$ <u>          </u>	per 1,000 Gallons.
Next	<u>          </u>	Gallons @ \$ <u>          </u>	per 1,000 Gallons.
All Over	<u> 37,000  </u>	Gallons @ \$ <u>   7.06  </u>	per 1,000 Gallons.

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

**B. Recommended Rate Schedule with RUS Grant:**

First	<u>          </u>	Gallons @ \$ <u>          </u>	Minimum.
Next	<u>          </u>	Gallons @ \$ <u>          </u>	per 1,000 Gallons.
Next	<u>          </u>	Gallons @ \$ <u>          </u>	per 1,000 Gallons.
Next	<u>          </u>	Gallons @ \$ <u>          </u>	per 1,000 Gallons.
Next	<u>          </u>	Gallons @ \$ <u>          </u>	per 1,000 Gallons.
Next	<u>          </u>	Gallons @ \$ <u>          </u>	per 1,000 Gallons.
All Over	<u>          </u>	Gallons @ \$ <u>          </u>	per 1,000 Gallons.

**Wholesale Rates:**

**Doe Valley Water - \$4.70 per 1,000 gallons**  
**Otter Creek Water - \$4.84 per 1,000 gallons**  
**Bulk Sales Rate - \$7.06 per 1,000 gallons**



**XXIII. FORECAST OF SEWER USAGE - INCOME - EXISTING SYSTEM - EXISTING USERS - NA**

<u>Meter Size*</u>	<u>Monthly Sewer Usage</u>	<u>Average Rate</u>	<u>Residential</u>			<u>Non-Residential</u>		
			<u>No. of Users**</u>	<u>Usage (1000)</u>	<u>Income</u>	<u>No. of Users</u>	<u>Usage (1000)</u>	<u>Income</u>
	0 - 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						
	7,000 - 8,000 Gallons	7,500						
	8,000 - 9,000 Gallons	8,500						
	9,000 - 10,000 Gallons	9,500						
5/8	10,000 - 11,000 Gallons	10,500						
x	11,000 - 12,000 Gallons	11,500						
3/4	12,000 - 13,000 Gallons	12,500						
Inch	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						
	19,000 - 20,000 Gallons	19,500						
	- Gallons							
	- Gallons							
	- Gallons							
	Sub-Total		( )	( )	( )	( )	( )	( )
	Average Monthly Rate ( )							
	Average Monthly Usage		( )			( )		

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

\*\* Number of users should reflect the actual number of "meter settings".





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

<b>Meter Size*</b>	<b>Monthly Sewer Usage</b>	<b>Average Rate</b>	<b>Residential</b>		<b>Non-Residential</b>	
			<b>No. of Users** (1000)</b>	<b>Usage Income (1000)</b>	<b>No. of Users (1000)</b>	<b>Usage Income (1000)</b>
	0 - 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				
	7,000 - 8,000 Gallons	7,500				
	8,000 - 9,000 Gallons	8,500				
	9,000 - 10,000 Gallons	9,500				
5/8	10,000 - 11,000 Gallons	10,500				
x	11,000 - 12,000 Gallons	11,500				
3/4	12,000 - 13,000 Gallons	12,500				
Inch	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				
	19,000 - 20,000 Gallons	19,500				
	- Gallons					
	- Gallons					
	- Gallons					
	<b>Sub-Total</b>		( )	( )	( )	( )
	<b>Average Monthly Rate</b> ( )					
	<b>Average Monthly Usage</b>			( )		( )

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

\*\* Number of users should reflect the actual number of "meter settings".



	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
5-	-	Gallons	_____	_____	_____	_____	_____	_____
Inch	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Sub-Total		(____)	(____)	(____)	(____)	(____)
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
6-	-	Gallons	_____	_____	_____	_____	_____	_____
Inch	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Sub-Total		(____)	(____)	(____)	(____)	(____)
	-	TOTALS		(____)	(____)	(____)	(____)	(____)

**MULTI-FAMILY AND APARTMENT USER ANALYSIS**

*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.*

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

\*\* Number of users should reflect the actual number of "meter settings".

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

**See Attached**

Meter Size*	Monthly Sewer Usage	Average Rate	Residential			Non-Residential		
			No. of Users**	Usage (1000)	Income	No. of Users	Usage (1000)	Income
	0 - 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						
	7,000 - 8,000 Gallons	7,500						
	8,000 - 9,000 Gallons	8,500						
	9,000 - 10,000 Gallons	9,500						
5/8	10,000 - 11,000 Gallons	10,500						
x	11,000 - 12,000 Gallons	11,500						
3/4	12,000 - 13,000 Gallons	12,500						
Inch	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						
	19,000 - 20,000 Gallons	19,500						
	- Gallons							
	- Gallons							
	- Gallons							
	<b>Sub-Total</b>		( )	( )	( )	( )	( )	( )
	<b>Average Monthly Rate</b> ( )							
	<b>Average Monthly Usage</b>			( )		( )		

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

\*\* Number of users should reflect the actual number of "meter settings".





# Proposed RETAIL RATES

\$ 2,509,500

## User Income and Rate Schedules

Customer Name: Meade County Water District

Project Name: 2019 Improvements

### D. USER INCOME CALCULATIONS

RATE SCHEDULE Proposed 2022 Rates

First	2,000 Gallons	For	\$20.74	Per	Minimum Gallons (Minimum Bill)
Next	5,000 Gallons	For	\$10.05	Per	1,000 Gallons
Next	10,000 Gallons	For	\$9.68	Per	1,000 Gallons
Next	20,000 Gallons	For	\$8.82	Per	1,000 Gallons
Next	0 Gallons	For	\$0.00	Per	1,000 Gallons
Next	0 Gallons	For	\$0.00	Per	1,000 Gallons
Next	0 Gallons	For	\$0.00	Per	1,000 Gallons
All Over	37,000 Gallons	For	\$7.62	Per	1,000 Gallons

USER GROUP: Residential TYPE of SERVICE: water RESIDENTIAL/NON-RESIDENTIAL? R (Input R or N)

269 Users @	1,000 Gallons	=	\$20.74 per user -	\$5,579.06 monthly
1,100 Users @	2,000 Gallons	=	\$20.74 per user -	\$22,814.00 monthly
1,250 Users @	3,000 Gallons	=	\$30.79 per user -	\$38,487.50 monthly
1,150 Users @	4,000 Gallons	=	\$40.84 per user -	\$46,966.00 monthly
531 Users @	5,200 Gallons	=	\$52.90 per user -	\$28,089.90 monthly
400 Users @	6,500 Gallons	=	\$65.97 per user -	\$26,388.00 monthly
100 Users @	7,500 Gallons	=	\$75.83 per user -	\$7,583.00 monthly
90 Users @	8,500 Gallons	=	\$85.51 per user -	\$7,695.90 monthly
26 Users @	9,500 Gallons	=	\$95.19 per user -	\$2,474.94 monthly
12 Users @	10,500 Gallons	=	\$104.87 per user -	\$1,258.44 monthly
8 Users @	12,000 Gallons	=	\$119.39 per user -	\$955.12 monthly
7 Users @	15,000 Gallons	=	\$148.43 per user -	\$1,039.01 monthly
3 Users @	17,000 Gallons	=	\$167.79 per user -	\$503.37 monthly
5 Users @	18,500 Gallons	=	\$181.02 per user -	\$905.10 monthly
3 Users @	21,000 Gallons	=	\$203.07 per user -	\$609.21 monthly
1 Users @	23,000 Gallons	=	\$220.71 per user -	\$220.71 monthly
1 Users @	25,000 Gallons	=	\$238.35 per user -	\$238.35 monthly
2 Users @	27,000 Gallons	=	\$255.99 per user -	\$511.98 monthly
2 Users @	28,500 Gallons	=	\$269.22 per user -	\$538.44 monthly
2 Users @	30,000 Gallons	=	\$282.45 per user -	\$564.90 monthly
1 Users @	33,000 Gallons	=	\$308.91 per user -	\$308.91 monthly
1 Users @	36,000 Gallons	=	\$335.37 per user -	\$335.37 monthly
1 Users @	36,500 Gallons	=	\$339.78 per user -	\$339.78 monthly
2 Users @	39,000 Gallons	=	\$359.43 per user -	\$718.86 monthly
1 Users @	46,500 Gallons	=	\$416.58 per user -	\$416.58 monthly
1 Users @	50,000 Gallons	=	\$443.25 per user -	\$443.25 monthly
1 Users @	60,000 Gallons	=	\$519.45 per user -	\$519.45 monthly
1 Users @	106,000 Gallons	=	\$869.97 per user -	\$869.97 monthly
0 Users @	110,000 Gallons	=	\$900.45 per user -	\$0.00 monthly
0 Users @	115,000 Gallons	=	\$938.55 per user -	\$0.00 monthly
0 Users @	120,000 Gallons	=	\$976.65 per user -	\$0.00 monthly
0 Users @	125,000 Gallons	=	\$1,014.75 per user -	\$0.00 monthly

**TOTALS:**

4,971 Users	19,140,700 Gallons		MONTHLY \$197,375.10
			ANNUAL \$2,368,501.20

**RATE SCHEDULE** Water

First	2,000 Gallons	For	\$20.74	Per	Minimum Gallons (Minimum Bill)
Next	5,000 Gallons	For	\$10.05	Per	1,000 Gallons
Next	10,000 Gallons	For	\$9.68	Per	1,000 Gallons
Next	20,000 Gallons	For	\$8.82	Per	1,000 Gallons
Next	0 Gallons	For	\$0.00	Per	1,000 Gallons
Next	0 Gallons	For	\$0.00	Per	1,000 Gallons
Next	0 Gallons	For	\$0.00	Per	1,000 Gallons
All Over	37,000 Gallons	For	\$7.62	Per	1,000 Gallons

USER GROUP: Commercial TYPE of SERVICE: water RESIDENTIAL/NON-RESIDENTIAL? N (input R or N)

103 Users @	1,000 Gallons	=	\$20.74 per user -	\$2,136.22 monthly
31 Users @	3,000 Gallons	=	\$30.79 per user -	\$954.49 monthly
20 Users @	5,000 Gallons	=	\$50.89 per user -	\$1,017.80 monthly
9 Users @	6,500 Gallons	=	\$65.97 per user -	\$593.73 monthly
4 Users @	8,500 Gallons	=	\$85.51 per user -	\$342.04 monthly
3 Users @	11,000 Gallons	=	\$109.71 per user -	\$329.13 monthly
1 Users @	14,000 Gallons	=	\$138.75 per user -	\$138.75 monthly
2 Users @	15,000 Gallons	=	\$148.43 per user -	\$296.86 monthly
2 Users @	16,000 Gallons	=	\$158.11 per user -	\$316.22 monthly
1 Users @	19,500 Gallons	=	\$189.84 per user -	\$189.84 monthly
2 Users @	25,000 Gallons	=	\$238.35 per user -	\$476.70 monthly
2 Users @	29,000 Gallons	=	\$273.63 per user -	\$547.26 monthly
1 Users @	23,500 Gallons	=	\$225.12 per user -	\$225.12 monthly
1 Users @	33,000 Gallons	=	\$308.91 per user -	\$308.91 monthly
1 Users @	28,500 Gallons	=	\$269.22 per user -	\$269.22 monthly
0 Users @	35,500 Gallons	=	\$330.96 per user -	\$0.00 monthly
1 Users @	40,000 Gallons	=	\$367.05 per user -	\$367.05 monthly
0 Users @	48,500 Gallons	=	\$431.82 per user -	\$0.00 monthly
0 Users @	54,500 Gallons	=	\$477.54 per user -	\$0.00 monthly
1 Users @	60,000 Gallons	=	\$519.45 per user -	\$519.45 monthly
0 Users @	94,500 Gallons	=	\$782.34 per user -	\$0.00 monthly
0 Users @	102,500 Gallons	=	\$843.30 per user -	\$0.00 monthly
Users @	Gallons	=	\$20.74 per user -	\$0.00 monthly
Users @	Gallons	=	\$20.74 per user -	\$0.00 monthly
Users @	Gallons	=	\$20.74 per user -	\$0.00 monthly
Users @	Gallons	=	\$20.74 per user -	\$0.00 monthly
Users @	Gallons	=	\$20.74 per user -	\$0.00 monthly
Users @	Gallons	=	\$20.74 per user -	\$0.00 monthly
Users @	Gallons	=	\$20.74 per user -	\$0.00 monthly
Users @	Gallons	=	\$20.74 per user -	\$0.00 monthly
Users @	Gallons	=	\$20.74 per user -	\$0.00 monthly
Users @	Gallons	=	\$20.74 per user -	\$0.00 monthly

**TOTALS:**

185 Users	810,000 Gallons	MONTHLY	\$9,028.79
		ANNUAL	\$108,345.48





<b>Total Users</b>	=	<b>5,201</b>
<b>Gallons/EDU</b>	=	<b>3,850.47</b>
<b>Commercial EDU's</b>	=	<b>279</b>
<b>Residential EDU's</b>	=	<b>4,971</b>
<b>Total EDU's</b>	=	<b>5,250</b>
<b>Monthly Cost per EDU</b>	=	<b>\$39.83</b>











<b>Total Users</b>	=	<b>1,313</b>
<b>Gallons/EDU</b>	=	<b>5,706.54</b>
<b>Commercial EDU's</b>	=	<b>11</b>
<b>Residential EDU's</b>	=	<b>1,253</b>
<b>Total EDU's</b>	=	<b>1,264</b>
<b>Monthly Cost per EDU</b>	=	<b>\$26.97</b>

	_____	-	_____	Gallons	_____	_____	_____	_____	_____	_____
	_____	-	_____	Gallons	_____	_____	_____	_____	_____	_____
5-	_____	-	_____	Gallons	_____	_____	_____	_____	_____	_____
Inch	_____	-	_____	Gallons	_____	_____	_____	_____	_____	_____
	_____	-	_____	Gallons	_____	_____	_____	_____	_____	_____
	_____	-	_____	Gallons	_____	_____	_____	_____	_____	_____
				Sub-Total	( )	( )	( )	( )	( )	( )
	_____	-	_____	Gallons	_____	_____	_____	_____	_____	_____
	_____	-	_____	Gallons	_____	_____	_____	_____	_____	_____
6-	_____	-	_____	Gallons	_____	_____	_____	_____	_____	_____
Inch	_____	-	_____	Gallons	_____	_____	_____	_____	_____	_____
	_____	-	_____	Gallons	_____	_____	_____	_____	_____	_____
	_____	-	_____	Gallons	_____	_____	_____	_____	_____	_____
				Sub-Total	( )	( )	( )	( )	( )	( )
				TOTALS	( )	( )	( )	( )	( )	( )

**MULTI-FAMILY AND APARTMENT USER ANALYSIS - NA**

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.

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

\*\* Number of users should reflect the actual number of "meter settings".

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

Meter Size*	Monthly Sewer Usage	Average Rate	Residential			Non-Residential		
			No. of Users**	Usage (1000)	Income	No. of Users	Usage (1000)	Income
	0 - 2,000 Gallons	1,000						
	2,000 - 3,000 Gallons	2,500						
	3,000 - 4,000 Gallons	3,500	100	3,000	3,080			
	4,000 - 5,000 Gallons	4,500	100	4,000	4,085			
	5,000 - 6,000 Gallons	5,500						
	6,000 - 7,000 Gallons	6,500						
	7,000 - 8,000 Gallons	7,500						
	8,000 - 9,000 Gallons	8,500						
	9,000 - 10,000 Gallons	9,500						
5/8	10,000 - 11,000 Gallons	10,500						
x	11,000 - 12,000 Gallons	11,500						
3/4	12,000 - 13,000 Gallons	12,500						
Inch	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						
	19,000 - 20,000 Gallons	19,500						
	- Gallons							
	- Gallons							
	- Gallons							
	<b>Sub-Total</b>		(200)	(700)	(7,165)			
			( )	( )	( )			
	<b>Average Monthly Rate (35.83)</b>							
	<b>Average Monthly Usage</b>				(3,500)		( )	

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

\*\* Number of users should reflect the actual number of "meter settings".

		Gallons							
		Gallons							
1-		Gallons							
Inch		Gallons							
		Gallons							
		Gallons							
		Sub-Total		( )	( )	( )	( )	( )	( )

		Gallons							
		Gallons							
1-1/2		Gallons							
Inch		Gallons							
		Gallons							
		Gallons							
		Sub-Total		( )	( )	( )	( )	( )	( )

		Gallons							
		Gallons							
2-		Gallons							
Inch		Gallons							
		Gallons							
		Gallons							
		Sub-Total		( )	( )	( )	( )	( )	( )

		Gallons							
		Gallons							
3-		Gallons							
Inch		Gallons							
		Gallons							
		Gallons							
		Sub-Total		( )	( )	( )	( )	( )	( )

		Gallons							
		Gallons							
4-		Gallons							
Inch		Gallons							
		Gallons							
		Gallons							
		Sub-Total		( )	( )	( )	( )	( )	( )

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

\*\* Number of users should reflect the actual number of "meter settings".

	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
5-	-	Gallons	_____	_____	_____	_____	_____	_____
Inch	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
		Sub-Total		(____)	(____)	(____)	(____)	(____)
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
6-	-	Gallons	_____	_____	_____	_____	_____	_____
Inch	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
		Sub-Total		(____)	(____)	(____)	(____)	(____)
		TOTALS		(____)	(____)	(____)	(____)	(____)

**MULTI-FAMILY AND APARTMENT USER ANALYSIS - NA**

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.

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

\*\* Number of users should reflect the actual number of "meter settings".

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

**A. Operating Income:**

<i>Sewer Revenue</i>	\$ _____
<i>Late Charge Fees</i>	_____
<i>Other (Describe)</i>	_____
<i>Less Allowances and Deductions</i>	( _____ )
<b>Total Operating Income</b>	<b>\$ _____</b>

**B. Operation and Maintenance Expenses:**

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

<i>Operation Expense</i>	\$ _____
<i>Maintenance Expense</i>	_____
<i>Customer Accounts Expense</i>	_____
<i>Administrative and General Expense</i>	_____
<b>Total Operating and Maintenance Expenses</b>	<b>\$ _____</b>
<b>Net Operating Income</b>	<b>\$ _____</b>

**C. Non-Operating Income:**

<i>Interest on Deposits</i>	\$ _____
<i>Other (Identify)</i>	_____
<b>Total Non-Operating Income</b>	<b>\$ _____</b>

**D. Net Income**

\$ \_\_\_\_\_

**E. Debt Repayment:**

<i>RUS Interest</i>	\$ _____
<i>RUS Principal</i>	_____
<i>Non-RUS Interest</i>	_____
<i>Non-RUS Principal</i>	_____
<b>Total Debt Repayment</b>	<b>\$ _____</b>

**F. Balance Available for Coverage**

\$ \_\_\_\_\_

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

**A. Operating Income:**

*Sewer Revenue* \$ \_\_\_\_\_  
*Late Charge Fees* \_\_\_\_\_  
*Other (Describe)* \_\_\_\_\_  
*Less Allowances and Deductions* ( \_\_\_\_\_ )  
*Total Operating Income* \$ \_\_\_\_\_

**B. Operation and Maintenance Expenses:**

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

*Operation Expense* \$ \_\_\_\_\_  
*Maintenance Expense* \_\_\_\_\_  
*Customer Accounts Expense* \_\_\_\_\_  
*Administrative and General Expense* \_\_\_\_\_  
*Total Operating and Maintenance Expenses* \$ \_\_\_\_\_  
*Net Operating Income* \$ \_\_\_\_\_

**C. Non-Operating Income:**

*Interest on Deposits* \$ \_\_\_\_\_  
*Other (Identify)* \_\_\_\_\_  
*Total Non-Operating Income* \$ \_\_\_\_\_

**D. Net Income**

\$ \_\_\_\_\_

**E. Debt Repayment:**

*RUS Interest* \$ \_\_\_\_\_  
*RUS Principal* \_\_\_\_\_  
*Non-RUS Interest* \_\_\_\_\_  
*Non-RUS Principal* \_\_\_\_\_  
*Total Debt Repayment* \$ \_\_\_\_\_

**F. Balance Available for Coverage**

\$ \_\_\_\_\_



**XXIX. PROPOSED OPERATING BUDGET - (SEWER SYSTEM) - NEW USERS - EXTENSION ONLY (1st Full Year of Operation) Year Ending NA**

**A. Operating Income:**

<i>Sewer Revenue</i>	\$ _____
<i>Late Charge Fees</i>	_____
<i>Other (Describe)</i>	_____
<i>Less Allowances and Deductions</i>	( _____ )
<b>Total Operating Income</b>	<b>\$ _____</b>

**B. Operation and Maintenance Expenses:**

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

<i>Operation Expense</i>	\$ _____
<i>Maintenance Expense</i>	_____
<i>Customer Accounts Expense</i>	_____
<i>Administrative and General Expense</i>	_____
<b>Total Operating and Maintenance Expenses</b>	<b>\$ _____</b>
<b>Net Operating Income</b>	<b>\$ _____</b>

**C. Non-Operating Income:**

<i>Interest on Deposits</i>	\$ _____
<i>Other (Identify)</i>	_____
<b>Total Non-Operating Income</b>	<b>\$ _____</b>

**D. Net Income** **\$ \_\_\_\_\_**

**E. Debt Repayment:**

<i>RUS Interest</i>	\$ _____
<i>RUS Principal</i>	_____
<i>Non-RUS Interest</i>	_____
<i>Non-RUS Principal</i>	_____
<b>Total Debt Repayment</b>	<b>\$ _____</b>

**F. Balance Available for Coverage** **\$ \_\_\_\_\_**

**XXX. CURRENT OPERATING BUDGET - (WATER SYSTEM)**  
**(As of the last full operating year.) 2019**

**A. Operating Income:**

Water Sales	\$ 2,529,575
Disconnect/Reconnect/Late Charge Fees	37,000
Other (Tap Fees)	92,940
Less Allowances and Deductions (Credit Card Fees)	( 26,728)
Total Operating Income	\$ 2,632,787

**B. Operation and Maintenance Expenses:**

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

Source of Supply Expense	\$ 910,000
Pumping Expense	50,000
Water Treatment Expense	0
Transmission and Distribution Expense	370,765
Customer Accounts Expense	168,000
Administrative and General Expense	775,500
Total Operating Expenses	\$ 2,274,265
Net Operating Income (minus depreciation)	\$ 358,522

**C. Non-Operating Income:**

Interest on Deposits	\$ 1,185
Other (Identify)	18,250
Total Non-Operating Income	\$ 19,435

**D. Net Income** \$ 377,957

**E. Debt Repayment:**

RUS Interest	\$ 157,300
RUS Principal	111,500
Non-RUS Interest	19,900
Non-RUS Principal (Meade County Bank Loan paid off)	140,000
Total Debt Repayment	\$ 428,700

**F. Balance Available for Coverage** \$ (50,743)

**XXXI. PROPOSED OPERATING BUDGET - (WATER SYSTEM) - EXISTING SYSTEM  
AND NEW USERS (1st Full Year of Operation) Year Ending 2022**

**A. Operating Income:**

Water Sales	\$ 2,918,500
Disconnect/Reconnect/Late Charge Fees	40,000
Other (Describe) Tap Fees	90,000
Less Allowances and Deductions	(30,000)
Total Operating Income	\$ 3,018,500

**B. Operation and Maintenance Expenses:**

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

Source of Supply Expense	\$ 935,000
Pumping Expense	55,000
Water Treatment Expense	0
Transmission and Distribution Expense	397,280
Customer Accounts Expense	179,900
Administrative and General Expense	830,750
Total Operating Expenses	\$ 2,397,930
Net Operating Income	\$ 620,570

**C. Non-Operating Income:**

Interest on Deposits	\$ 2,000
Other (Identify)	15,000
Total Non-Operating Income	\$ 17,000

**D. Net Income** \$ 637,570

**E. Debt Repayment:**

RUS Interest	\$ 212,070
RUS Principal	167,120
Non-RUS Interest	12,690
Non-RUS Principal	69,340
Total Debt Repayment	\$ 461,220

**F. Balance Available for Coverage** \$ 176,350

# MCWD 2019 Imp. - RD Loan

## TABLE DATA

Loan amount:	\$2,500,000	Table starts at date:		
Ann. interest rate:	2.750%	or at payment number:		1
Term in years:	38			
Payments / year:	1			
First payment due:	6/30/2022			
Payment:		\$106,869		
	No.	Payment Date	Beginning Balance	Interest
	1	6/30/2022	2,500,000	68,750
	2	6/30/2023	2,461,881	67,702
	3	6/30/2024	2,422,714	66,625
	4	6/30/2025	2,382,469	65,518
	5	6/30/2026	2,341,118	64,381
Use payment of:	\$106,869	Beginning balance at payment 1:	2,500,000.00	
1st payment in table: 1		Cumulative interest prior to payment 1:	0.00	
<b>Table</b>	Capital Recovery Factor:			0.042747637

No.	Payment Date	Beginning Balance	Interest	Principal	Ending Balance	Cumulative Interest
1	6/30/2022	2,500,000	68,750	38,119	2,461,881	68,750
2	6/30/2023	2,461,881	67,702	39,167	2,422,714	136,452
3	6/30/2024	2,422,714	66,625	40,244	2,382,469	203,076
4	6/30/2025	2,382,469	65,518	41,351	2,341,118	268,594
5	6/30/2026	2,341,118	64,381	42,488	2,298,630	332,975
6	6/30/2027	2,298,630	63,212	43,657	2,254,973	396,187
7	6/30/2028	2,254,973	62,012	44,857	2,210,115	458,199
8	6/30/2029	2,210,115	60,778	46,091	2,164,024	518,977
9	6/30/2030	2,164,024	59,511	47,358	2,116,666	578,488
10	6/30/2031	2,116,666	58,208	48,661	2,068,005	636,696
11	6/30/2032	2,068,005	56,870	49,999	2,018,006	693,566
12	6/30/2033	2,018,006	55,495	51,374	1,966,632	749,062
13	6/30/2034	1,966,632	54,082	52,787	1,913,846	803,144
14	6/30/2035	1,913,846	52,631	54,238	1,859,607	855,775
15	6/30/2036	1,859,607	51,139	55,730	1,803,877	906,914
16	6/30/2037	1,803,877	49,607	57,262	1,746,615	956,521
17	6/30/2038	1,746,615	48,032	58,837	1,687,778	1,004,552
18	6/30/2039	1,687,778	46,414	60,455	1,627,323	1,050,966
19	6/30/2040	1,627,323	44,751	62,118	1,565,205	1,095,718
20	6/30/2041	1,565,205	43,043	63,826	1,501,379	1,138,761
21	6/30/2042	1,501,379	41,288	65,581	1,435,798	1,180,049
22	6/30/2043	1,435,798	39,484	67,385	1,368,413	1,219,533
23	6/30/2044	1,368,413	37,631	69,238	1,299,175	1,257,165
24	6/30/2045	1,299,175	35,727	71,142	1,228,034	1,292,892
25	6/30/2046	1,228,034	33,771	73,098	1,154,935.45	1,326,663
26	6/30/2047	1,154,935.45	31,760.73	75,108.37	1,079,827.09	1,358,423.52
27	6/30/2048	1,079,827.09	29,695.24	77,173.85	1,002,653.24	1,388,118.76
28	6/30/2049	1,002,653.24	27,572.96	79,296.13	923,357.11	1,415,691.73
29	6/30/2050	923,357.11	25,392.32	81,476.77	841,880.33	1,441,084.05
30	6/30/2051	841,880.33	23,151.71	83,717.38	758,162.95	1,464,235.76
31	6/30/2052	758,162.95	20,849.48	86,019.61	672,143.34	1,485,085.24
32	6/30/2053	672,143.34	18,483.94	88,385.15	583,758.19	1,503,569.18
33	6/30/2054	583,758.19	16,053.35	90,815.74	492,942.44	1,519,622.53
34	6/30/2055	492,942.44	13,555.92	93,313.18	399,629.27	1,533,178.45
35	6/30/2056	399,629.27	10,989.80	95,879.29	303,749.98	1,544,168.25
36	6/30/2057	303,749.98	8,353.12	98,515.97	205,234.01	1,552,521.38
37	6/30/2058	205,234.01	5,643.94	101,225.16	104,008.85	1,558,165.31
38	6/30/2059	104,008.85	2,860.24	104,008.85	0.00	1,561,025.56

MEADE COUNTY WATER DISTRICT  
3/1/2020

Replacement Reserves   Short-lived Assets			
Type of Reserve	Description	Replacement Cost	Annual Reserve
1-5 years	SERVICE TRUCK #1	\$25,000	\$5,000
1-5 years	SERVICE TRUCK #2	\$25,000	\$5,000
1-5 years			
1-5 years			
1-5 years			
Subtotal 1-5 Years		\$50,000	\$10,000
5-10 years			
5-10 years	AIR COMPRESSOR	\$20,000	\$2,000
5-10 years	SERVICE TRUCK (4WD)	\$30,000	\$3,000
5-10 years	OFFICE VEHICLE	\$30,000	\$3,000
5-10 years	FLAHERTY PS REHAB	\$100,000	\$10,000
Subtotal 5-10 Years		\$180,000	\$18,000
10-15 Years			
10-15 Years	DUMP TRUCK	\$90,000	\$6,000
10-15 Years	GARRETT TANK REHAB	\$200,000	\$13,335
10-15 Years	PHYNEVILLE TANK REHAB	\$200,000	\$13,335
10-15 Years	FLAHERTY TANK REHAB	\$200,000	\$13,335
Subtotal 10-15 Years		\$690,000	\$46,005
Replacement Reserves   Short-lived Assets		\$920,000	\$74,005

**XXXII. PROPOSED OPERATING BUDGET - (WATER SYSTEM) - NEW USERS -  
EXTENSION ONLY (1st Full Year of Operation) Year Ending 2022**

**A. Operating Income:**

Water Sales –	\$ 85,980
Disconnect/Reconnect/Late Charge Fees	_____
Other (Describe)	_____
Less Allowances and Deductions – Credit Card Fees	( 700 )
Total Operating Income	\$ 85,280

**B. Operation and Maintenance Expenses:**

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

Source of Supply Expense	\$ 22,655
Pumping Expense	2,115
Water Treatment Expense	0
Transmission and Distribution Expense	14,690
Customer Accounts Expense	6,650
Administrative and General Expense	30,725
Total Operating Expenses	\$ 76,835
Net Operating Income	\$ 8,445

**C. Non-Operating Income:**

Interest on Deposits	\$ _____
Other (Identify)	_____
Total Non-Operating Income	\$ 8,445

**D. Net Income**

\$ 8,445

**E. Debt Repayment:**

RUS Interest	\$ 68,750
RUS Principal	38,120
Non-RUS Interest	_____
Non-RUS Principal	_____
Total Debt Repayment	\$ 106,870

**F. Balance Available for Coverage**

\$ (98,425)

**XXXIII. ESTIMATED PROJECT COST – SEWER - NA**  
 (Round to nearest \$100)

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

**XXXIV. PROPOSED PROJECT FUNDING – SEWER - NA**

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

**XXXV. ESTIMATED PROJECT COST - WATER**

Development	\$ 1,962,750
Land and Rights	5,000
Legal	20,000
Engineering	247,145
Interest	30,000
Contingencies	196,275
Initial Operating and Maintenance	0
Other	45,000
<b>TOTAL</b>	<b>\$ 2,506,170</b>

**XXXVI. PROPOSED PROJECT FUNDING**

Applicant - User Connection Fees	\$ 0
Other Applicant Contribution	0
RUS Loan	2,506,170
RUS Grant	0
ARC Grant (If applicable) NA	0
CDBG (If applicable) NA	0
Other	0
Other	0
<b>TOTAL</b>	<b>\$ 2,506,170</b>