

SUMMARY ADDENDUM  
TO  
PRELIMINARY ENGINEERING REPORT

DATED July 2020 - Revised 2-12-2021

FOR

**Morgan Co. Water District**  
**Waterline Replacement Project**  
(Name of Project)

APPLICANT CONTACT PERSON **Shannon Elam, Mgr;Chernell Holbrook, Office Mgr**

APPLICANT PHONE NUMBER **(606) 743-1204**

APPLICANT TAX IDENTIFICATION NUMBER (TIN) \_\_\_\_\_

***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 proposed project consists of rehabilitating one existing duplex pump station and replacing leaking or compromised waterlines. The goal of this project is to reduce the amount of unaccounted for water. The District purchases all of the water they sell, so this is vital to shore up their net revenues and financial stability.

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

**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:***

<b><i>Lineal Feet of Collector Lines, by size</i></b> <u>6"</u> <u>8"</u>	
<u>10"</u>	<u>12"</u> <u>, Larger</u>
<b><i>Date(s) Constructed</i></b>	

***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.


If the applicant purchases water:

Seller(s):

1. Cave Run Water Commission (CRWC)
2. City of West Liberty (WL)
3.

Price/1,000 gallons:

1. CRWC \$2.57
2. WL \$3.08
3.

Present Estimated Market Value of Existing System: \$ 17.6 M

B. Water Storage:

Type: Ground Storage Tank \_\_\_\_\_ Elevated Tank \_\_\_\_\_  
Standpipe   X   Other \_\_\_\_\_  
Number of Storage Structures       7        
Total Storage Volume Capacity       932,000 gallons        
Date Storage Tank(s) Constructed       See Appendix "C" of the PER      

C. Water Distribution System:

Pipe Material       See Appendix "C" of the PER        
Lineal Feet of Pipe: 3" Diameter \_\_\_\_\_ 4" \_\_\_\_\_  
                          6" \_\_\_\_\_ 8" \_\_\_\_\_  
                          10" \_\_\_\_\_ 12" \_\_\_\_\_  
Date(s) Water Lines Constructed \_\_\_\_\_  
Number and Capacity of Pump Station(s)       6        
      See Appendix "C" of the PER      

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.

**Some waterlines need to be replaced as a means to reduce the large amount of water loss the District is experiencing. This is vital to their financial stability since they purchase all of the water they sell.**

\_\_\_\_\_  
\_\_\_\_\_

E. Percentage of Water Loss Existing System       44% (Ref WRIS)

IV. EXISTING LONG-TERM INDEBTEDNESS

See pages 14 thru 22 of the Audit Year Ending 12/31/2017 and 12/31/2016

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 19__</u>		<u>Payment Year 19__</u>		<u>Payment Year 19__</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>
19__ Issue	_____	_____	_____	_____	_____	_____	_____
19__ Issue	_____	_____	_____	_____	_____	_____	_____
19__ Issue	_____	_____	_____	_____	_____	_____	_____
19__ Issue	_____	_____	_____	_____	_____	_____	_____
19__ Issue	_____	_____	_____	_____	_____	_____	_____
19__ Issue	_____	_____	_____	_____	_____	_____	_____

V. EXISTING SHORT-TERM INDEBTEDNESS

See Audit referenced in item IV above.

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 - Storage Tank Sites Water 8 (1 abandoned, 7 in use PER App. C) Sewer  
 Number of Pump Stations: Water 14 (8 abandoned, 6 in use App. C) Sewer  
 Total Acreage: Water Est 12 Acres Sewer Acres  
 Purchase Price: Water \$ ?? Sewer \$

VII. NUMBER OF EXISTING USERS

	<u>Water</u>	<u>Sewer</u>
Residential (In Town) *	<u>0</u>	<u>          </u>
Residential (Out of Town) *	<u>2800</u>	<u>          </u>
Non-Residential (In Town)	<u>0</u>	<u>          </u>
Non-Residential (Out of Town)	<u>19</u>	<u>          </u>
Total	<u>2819</u>	<u>          </u>
Number to Total Potential Users Living in the Service Area	<u>4100</u>	<u>          </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</u>
<u>5/8" x 3/4"</u>	<u>\$ 750.</u>	<u>\$</u>
<u>1 - Inch</u>	<u>\$ 1000.</u>	<u>\$</u>

**IX. SEWER RATES - EXISTING SYSTEM**

**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	<u>2000</u>	Gallons @ \$ <u>25.42</u>	Minimum.
Next	<u>3000</u>	Gallons @ \$ <u>9.41</u>	per 1,000 Gallons.
Next	<u>5000</u>	Gallons @ \$ <u>8.72</u>	per 1,000 Gallons.
Next	<u>5000</u>	Gallons @ \$ <u>8.03</u>	per 1,000 Gallons.
Next	_____	Gallons @ \$ _____	per 1,000 Gallons.
Next	_____	Gallons @ \$ _____	per 1,000 Gallons.
All Over	<u>15000</u>	Gallons @ \$ <u>7.34</u>	per 1,000 Gallons.

Date This Rate Went Into Effect PSC Order Effective 10/01/18 PER App. D.

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

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

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

<u>All Meter Sizes</u>		<u>Monthly Sewer Usage</u>	<u>Average</u>	<u>Residential</u>		<u>Non-Residential</u>	
				<u>No. of Users</u>	<u>Usage (1000)</u>	<u>No. of Users</u>	<u>Usage (1000)</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				
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

See Appendix "D" of the PER for the water usage and income generated for each meter size.

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

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	_____	_____	_____	_____	_____
		Total	(_____)	(_____)	(_____)	(_____)
		Average Usage		(_____)		(_____)

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

\_\_\_\_\_ Total Water Sold \_\_\_\_\_

\_\_\_\_\_

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

**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** \_\_\_\_\_ **Acre**

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

XV. FACILITY CHARACTERISTICS OF PROPOSED WATER SYSTEM

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

Source – Good

No additional purchase amounts. Desired Goal is to reduce amount purchased.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B. Water Storage:

Type: Ground Storage Tank \_\_\_\_\_ Elevated Tank \_\_\_\_\_  
Standpipe \_\_\_\_\_ Other \_\_\_\_\_

Number of Storage Structures \_\_\_\_\_

Total Storage Volume Capacity \_\_\_\_\_

C. Water Distribution System: **Replace existing leaking/comprised waterlines**

Pipe Material PVC class 250 psi

Lineal Feet of Pipe: 3" Diameter \_\_\_\_\_ 4" 4 miles

6" 4 miles 8" 2 miles

10" \_\_\_\_\_ 12" \_\_\_\_\_

Number and Capacity of Pump Station(s) Rehabilitate 1 existing PS Chlorine

room

\_\_\_\_\_

XVI. LAND AND RIGHTS - PROPOSED WATER SYSTEM No Additional Land Needed

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

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

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

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

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

**XVII. NUMBER OF NEW SEWER USERS**

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

*\*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**

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

XIX. NUMBER OF NEW WATER USERS No New Users as a result of this Project

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.

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>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>	\$ _____

**XXI. SEWER RATES - PROPOSED**

**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**

**See Appendix "D" of the PER for this information.**

**A. 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:**

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.

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

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 sewer rates are charged based on size of water meter.

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



	-	Gallons							
	-	Gallons							
<b>1-Inch</b>	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		<b>Sub-Total</b>		( )	( )	( )	( )	( )	( )

	-	Gallons							
	-	Gallons							
<b>1-1/2-Inch</b>	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		<b>Sub-Total</b>		( )	( )	( )	( )	( )	( )

	-	Gallons							
	-	Gallons							
<b>2-Inch</b>	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		<b>Sub-Total</b>		( )	( )	( )	( )	( )	( )

	-	Gallons							
	-	Gallons							
<b>3-Inch</b>	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		<b>Sub-Total</b>		( )	( )	( )	( )	( )	( )

	-	Gallons							
	-	Gallons							
<b>4-Inch</b>	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		<b>Sub-Total</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".



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

Meter Size*	Monthly Sewer Usage	Average Rate	Residential		Non-Residential	
			No. of Users**	Usage Income (1000)	No. of Users	Usage Income (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				
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".





	-	Gallons						
	-	Gallons						
5-Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total	( )	( )	( )	( )	( )	( )

	-	Gallons						
	-	Gallons						
6-Inch	-	Gallons						
	-	Gallons						
	-	Gallons						
	-	Gallons						
		Sub-Total	( )	( )	( )	( )	( )	( )

<b>TOTALS</b>			( )	( )	( )	( )	( )	( )
---------------	--	--	-----	-----	-----	-----	-----	-----

**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 Appendix "D" of the PER for this information.

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							
	- 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".

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

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

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

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

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

\* 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".

**2-inch meters**

- Rod & Staff Club
- Chop House
- Woodsbend Boys Camp
- Elem. Sch. x 2
- Trailer Park

**3-inch meters**

- City of Campton
- Morgan Central Sch.

**6-inch meters**

- Wrigley Elem. Sch

	-	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 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

No New users as a result of this project

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 sewer rates are charged based on size of water meter.

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

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

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)**

*(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>	( )
<i>Total Operating Income</i>	\$

**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>	
<i>Total Operating and Maintenance Expenses</i>	\$
<i>Net Operating Income</i>	\$

**C. Non-Operating Income:**

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

**D. Net Income** \$

**E. Debt Repayment:**

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

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

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

**A. Operating Income:**

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

**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>	
<i>Total Operating and Maintenance Expenses</i>	\$
<i>Net Operating Income</i>	\$

**C. Non-Operating Income:**

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

<b>D. Net Income</b>	<b>\$</b>
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**E. Debt Repayment:**

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

<b>F. Balance Available for Coverage</b>	<b>\$</b>
--	-----------

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

**A. Operating Income:**

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

**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>	
<i>Total Operating and Maintenance Expenses</i>	\$
<i>Net Operating Income</i>	\$

**C. Non-Operating Income:**

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

**D. Net Income** \$

**E. Debt Repayment:**

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

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

XXX. CURRENT OPERATING BUDGET - (WATER SYSTEM)

(As of the last full operating year.)

See Attached Audit (page 5) Year ending 12/31/2017 and 12/31/2016

A. Operating Income:

Water Sales	\$	<u>1,396,432</u>
Disconnect/Reconnect/Late Charge Fees		<u>36,337</u>
Other (Describe) Misc.		<u>32,411</u>
Less Allowances and Deductions Taxes-sales, utility & local	(	<u>42,155</u> )
Total Operating Income	\$	<u>1,423,025</u>

B. Operation and Maintenance Expenses:

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

Source of Supply Expense	\$	<u>                    </u>
Pumping Expense		<u>                    </u>
Water Treatment Expense		<u>                    </u>
Transmission and Distribution Expense		<u>                    </u>
Customer Accounts Expense		<u>                    </u>
Administrative and General Expense		<u>                    </u>
Total Operating Expenses (\$1,689,858-463,435 depr)	\$	<u>1,226,423</u>
Net Operating Income	\$	<u>196,602</u>

C. Non-Operating Income:

Interest on Deposits	\$	<u>93</u>
Other (Identify)		<u>                    </u>
Total Non-Operating Income	\$	<u>93</u>

D. Net Income

\$ 196,695

E. Debt Repayment: 2001 2006 2008 2016

RUS Interest	8,223	36,300	55,155	0	\$	<u>99,678</u>
RUS Principal	7,000	16,000	20,860	0		<u>43,860</u>
Non-RUS Interest				35,705		<u>35,705</u>
Non-RUS Principal				0		<u>                    </u>
Total Debt Repayment					\$	<u>179,243</u>

F. Balance Available for Coverage

\$ 17,452





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

**No new users**

A. Operating Income:	
Water Sales	\$ _____
Disconnect/Reconnect/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)	
Source of Supply Expense	\$ _____
Pumping Expense	_____
Water Treatment Expense	_____
Transmission and Distribution Expense	_____
Customer Accounts Expense	_____
Administrative and General Expense	_____
Total Operating 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	\$ _____

**XXXIII. ESTIMATED PROJECT COST - SEWER**

*(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**

	<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>			



