

**SUMMARY ADDENDUM**  
**TO**  
**PRELIMINARY ENGINEERING REPORT**  
**2008 WATER LINE EXTENSIONS**

Prepared For


**LARUE COUNTY WATER DISTRICT # 1**  
**6215 North L&N Turnpike**  
**Buffalo, KY 42716**  
**Phone (270) 325-3242**

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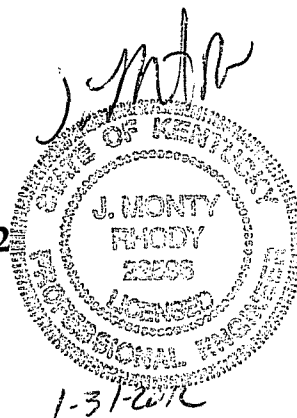
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PUBLIC SERVICE  
COMMISSION

Prepared By:

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**SUMMARY ADDENDUM**  
**TO**  
**PRELIMINARY ENGINEERING REPORT FOR**  
**2008 WATER LINE EXTENSIONS**  
**DATED AUGUST 2009**  
**FOR**  
**LARUE COUNTY WATER DISTRICT**

**APPLICANT CONTACT PERSON:**      **Mr. Tom Coffey**  
**APPLICANT PHONE NUMBER:**      **(270)325-3242**  
**APPLICANT TAX IDENTIFICATION NUMBER (TIN):**      **61-0654399**

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.

**See the Preliminary Engineering Report titled 2008 Water Line Extensions, May 2009**

II. FACILITY CHARACTERISTICS OF EXISTING SEWER SYSTEM

**NOT APPLICABLE**

- 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
  - 1. Lineal Feet of Collector Lines (by size)
    - 6”:
    - 8”:
    - 10”:
    - 12”:
    - Larger:
  - 2. Date(s) Constructed
  
- F. Conditions of Existing System: Briefly describe the conditions and suitability for continued use of facility now owned by the applicant. Include any major renovation that will be needed within five to ten years.

III. FACILITY CHARACTERISTICS OF EXISTING WATER SYSTEM

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

**The LCWD currently has six sources of water supply; the City of New Haven, Green River Valley Water District, City of Hodgenville, City of Bardstown, City of Campbellsville and Green-Taylor Water District.**

If the applicant purchases water, list the Seller(s):

- 1. **City of New Haven**
- 2. **Green River Valley Water District**
- 3. **City of Hodgenville**
- 4. **City of Bardstown**
- 5. **City of Campbellsville**
- 6. **Green-Taylor Water District**

Price per 1,000 gallons:

- 1. **\$1.98**
- 2. **\$1.58**
- 3. **\$1.98**
- 4. **\$1.70**
- 5. **\$1.97**
- 6. **\$2.17**

Present Estimated Market Value of Existing System: **approx. \$7,000,000**

B. Water Storage

1. Type

**Ground Level Storage Tank**

- 2. Number of Storage Structures: **Seven (7)**
- 3. Total Storage Volume Capacity: **900,000 Gallons**
- 4. Date(s) Storage Tank(s) Constructed: **1990's - 2006**

C. Water Distribution System

- 1. Pipe Material: **PVC and DIP (ductile iron)**
- 2. Lineal Feet of Pipe (by size)
  - 3": **132,000**
  - 4": **640,000**
  - 6": **475,000**
  - 8": **5,000**
  - 10":
  - 12":
- 3. Date(s) Water Lines Constructed: **90's, and 00's**
- 4. Number and Capacity of Pump Station(s): **six (6)**

D. Condition of Existing Water System

Briefly describe the condition and suitability for continued use of the facility now owned by the applicant. Include any major renovation that will be needed within five to ten years.

**The existing lines and tanks appear to be in good shape. No major renovations are expected in the next few years.**

E. Percentage of Water Loss for the Existing System: **approx. 8%**

IV. EXISTING LONG-TERM INDEBTEDNESS

A. List of Bonds and Notes

Date Issued	Bond/Note Holder	Principal Balance	Payment Date	Bond Type* %Water	Bond Type* %Sewer	Amount on Deposit in Reserve Account
1981	RD	226,000	01/09	100	0	
1991	RD	396,000	01/09	100	0	
1994	RD	378,000	01/09	100	0	
1996	RD	875,000	01/09	100	0	
1997A	RD	608,000	01/09	100	0	
1997B	RD	236,000	01/09	100	0	
2000	RD	1,100,000	01/09	100	0	

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

B. Principal and Interest Payments (begin with the next fiscal year payment)

Date Issued	Bond/Note Holder	Principal Payment 2010	Interest Payment 2010	Principal Payment 2011	Interest Payment 2011	Principal Payment 2012	Interest Payment 2012
1981	RD	8,000	5,650	8,000	5,250	9,000	4,850
1991	RD	6,000	17,200	7,000	16,900	8,000	16,550
1994	RD	7,000	13,930	7,500	16,615	7,500	13,275
1996	RD	14,500	36,525	15,500	35,750	16,000	34,950
1997A	RD	9,500	24,605	10,000	24,130	10,500	23,631
1997B	RD	4,000	9,367	4,100	9,172	4,400	8,963
2000	RD	16,000	47,405	17,000	45,885	18,000	45,078
<b>TOTAL</b>		<b>65,000</b>	<b>154,682</b>	<b>69,100</b>	<b>153,702</b>	<b>73,400</b>	<b>147,297</b>

V. EXISTING SHORT-TERM INDEBTEDNESS

**NOT APPLICABLE**

- A. List of all Short-Term Debts  
(do not show any debt listed in Paragraph IV above)

Lendor or Lessor	Date Issued	Principal Balance	Purpose (Water and/or Sewer)	Payment Date	Principal and Interest Payment (P&I)	Date to be Paid in Full

VI. LAND AND RIGHTS – EXISTING SYSTEM(S)

Number of Treatment Plant Sites:	Water <b>0</b>	Sewer <b>NA</b>
Number of Storage Tank Sites:	Water <b>7</b>	Sewer <b>NA</b>
Number of Pump Stations:	Water <b>6</b>	Sewer <b>NA</b>
Total Acreage:	Water <b>2 acres</b>	Sewer <b>NA acres</b>
Purchase Price:	Water <b>NA \$</b>	Sewer <b>NA \$</b>

VII. NUMBER OF EXISTING USERS

	Water	Sewer
Residential (In Town) *	<b>0</b>	
Residential (Out of Town)*	<b>3,143</b>	
Non-Residential (In Town)	<b>0</b>	
Non-Residential (Out of Town)	<b>62</b>	
Total	<b>3,205</b>	
Number to Total Potential Users Living in the Service Area	<b>800</b>	

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

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

Meter Size	Water Connection Fee	Sewer Connection Fee
5/8" X 3/4"	\$ 625	\$ NA

IX. SEWER RATES – EXISTING SYSTEM

**NOT APPLICABLE**

Percentage of Water Bill:

Minimum Charge: \$

Other (If the charge is not based on water bill):

Date this rate went into effect:

X. WATER RATES – EXISTING SYSTEM

Existing Rate Schedule

**5/8 and 3/4 Inch Meter**

First	1,000 Gallons @	\$12.50 minimum
Next	4,000 Gallons @	\$5.40 per 1,000 Gallons
Next	5,000 Gallons @	\$4.75 per 1,000 Gallons
All Over	10,000 Gallons @	\$3.75 per 1,000 Gallons

Date this rate went into effect: **8/23/2004**

If more than one rate schedule, please include all schedules

**3/4 Inch Meter**

First	3,000 Gallons @	\$23.20 minimum
Next	2,000 Gallons @	\$5.40 per 1,000 Gallons
Next	5,000 Gallons @	\$4.75 per 1,000 Gallons
All Over	10,000 Gallons @	\$3.75 per 1,000 Gallons

**1-Inch Meter**

First	5,000 Gallons @	\$34.10 minimum
Next	5,000 Gallons @	\$4.75 per 1000 Gallons
Over	10,000 Gallons @	\$3.75 per 1000 Gallons

**1-1/2-Inch Meter**

First	5,000 Gallons @	\$57.85 minimum
Over	10,000 Gallons @	\$3.75 per 1000 Gallons

**2-Inch Meter**

First	20,000 Gallons @	\$95.35 minimum
Over	20,000 Gallons @	\$3.75 per 1,000 Gallons



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

**NOT APPLICABLE**

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

**XII. Analysis of Actual Water Usage - Existing System**

For the period, January 1, 2008 to December 31, 2008

**Residential 5/8" x 3/4" meter**

First 1,000 Gal. at		\$12.50	minimum		
Next 4,000 Gal. at		\$5.40	per Thousand Gallons.		
Next 5,000 Gal. at		\$4.75	per Thousand Gallons.		
All Over 10,000 Gal. at		\$5.23	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	1,000	1,000	284	284.00	3,550.00
1,000	2,000	1,800	381	685.80	6,408.42
2,000	3,000	2,895	690	1,997.55	15,685.77
3,000	4,000	3,550	568	2,016.40	14,921.36
4,000	5,000	4,863	267	1,298.42	8,907.17
5,000	6,000	5,442	240	1,306.01	8,687.53
6,000	7,000	6,670	220	1,467.40	9,247.15
7,000	8,000	7,350	204	1,499.40	9,233.55
8,000	9,000	8,593	160	1,374.88	8,186.68
9,000	10,000	9,818	76	746.17	4,330.90
10,000	over	10,290	53	545.37	3,146.44
<b>TOTALS</b>			3143	13,221.39	92,304.96

**Annual Residential Water Sales \$1,107,659.56**

**Total Water Purchased and/or Produced (Gallons) 177,508,283**

**Total Water Sold (Gallons) 164,359,521**

RESIDENTIAL AND NON-RESIDENTIAL COMBINED	
Total Users	3205
Total Annual Water Sales	\$1,140,558.78
Average Monthly Bill	\$29.66
Average Monthly Usage (Gallons)	4,274

**Non-Residential 5/8" x 3/4" meter**

First 1,000 Gal. at		\$12.50	minimum		
Next 4,000 Gal. at		\$5.40	per Thousand Gallons.		
Next 5,000 Gal. at		\$4.75	per Thousand Gallons.		
All Over 10,000 Gal. at		\$5.23	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	1,000	1,000	2	2.00	25.00
1,000	2,000	1,800	5	9.00	84.10
2,000	3,000	2,895	7	20.27	159.13
3,000	4,000	3,550	8	28.40	210.16
4,000	5,000	4,863	12	58.36	400.32
5,000	6,000	5,442	6	32.65	217.19
6,000	7,000	6,670	3	20.01	126.10
7,000	8,000	7,350	2	14.70	90.53
8,000	9,000	8,593	1	8.59	51.17
9,000	10,000	9,818	1	9.82	56.99
10,000	over	10,290	6	61.74	356.20
<b>TOTALS</b>			53	265.53	1,776.88

**Annual Non Residential 3/4" Water Sales \$21,322.52**

**XII. Analysis of Actual Water Usage - Existing System (Continued)**

For the period, January 1, 2008 to December 31, 2008

**Non-Residential .75" meter**

First 3,000 Gal. at		\$23.30	minimum		
Next 2,000 Gal. at		\$5.40	per Thousand Gallons.		
Next 5,000 Gal. at		\$4.75	per Thousand Gallons.		
All Over 10,000 Gal. at		\$3.75	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	3,000	8,327	0	0.00	0.00
3,000	4,000	3,800	0	0.00	0.00
4,000	5,000	4,800	0	0.00	0.00
5,000	6,000	5,800	0	0.00	0.00
6,000	7,000	6,800	0	0.00	0.00
7,000	8,000	7,800	1	7.80	47.40
8,000	9,000	8,800	1	8.80	52.15
9,000	10,000	9,800	0	0.00	0.00
10,000	over	10,500	0	0.00	0.00
<b>TOTALS</b>			2	16.60	99.55

**Non-Residential 1.0" meter**

First 5,000 Gal. at		\$4.10	minimum		
Next 5,000 Gal. at		\$4.75	per Thousand Gallons.		
All Over 10,000 Gal. at		\$3.75			
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	5,000	4,500	0	0.00	0.00
5,000	6,000	5,800	0	0.00	0.00
6,000	7,000	6,800	0	0.00	0.00
7,000	8,000	4,800	0	0.00	0.00
8,000	9,000	8,800	1	8.80	52.15
9,000	10,000	9,800	1	9.80	56.90
10,000	over	10,500	1	10.50	59.73
<b>TOTALS</b>			3	29.10	168.78

**Annual Non Residential 1.5 "Water Sales \$2,025.30**

**Annual Non Residential 1.0 "Water Sales \$1,194.60**

**Total Water Purchased and/or Produced (Gallons) 608,724**

**Total Water Sold (Gallons) 548,400**

RESIDENTIAL AND NON-RESIDENTIAL COMBINED	
Total Users	5
Total Annual Water Sales	\$3,219.90
Average Monthly Bill	\$53.67
Average Monthly Usage (Gallons)	9,140

**XII. Analysis of Actual Water Usage - Existing System (Continued)**

For the period, January 1, 2008 to December 31, 2008

**Non-Residential 1.5" meter**

First 10,000 Gal. at \$57.35 minimum					
All Over 10,000 Gal. at \$3.75 per Thousand Gallons.					
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	10,000	10,000	0	0.00	0.00
10,000	over	10,500	2	21.00	119.45
<b>TOTALS</b>			2	21.00	119.45

**Non-Residential 2.0" meter**

First 20,000 Gal. at \$95.35 minimum					
All Over 20,000 Gal. at \$3.75 per Thousand Gallons.					
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	20,000	20,000	0	0.00	0.00
20,000	over	71,500	2	143.00	576.95
<b>TOTALS</b>			2	143.00	576.95

**Annual Non Residential 2.0 "Water Sales \$1,433.40**

**Annual Non Residential 3.0 "Water Sales \$6,923.40**

Total Water Purchased and/or Produced (Gallons) 2,184,480

**Total Water Sold (Gallons) 1,968,000**

RESIDENTIAL AND NON-RESIDENTIAL COMBINED	
Total Users	3205
Total Annual Water Sales	\$1,140,558.78
Average Monthly Bill	\$29.66
Average Monthly Usage (Gallons)	4,274

XIII. FACILITY CHARACTERISTICS OF PROPOSED SEWER SYSTEM

**NOT APPLICABLE**

- A. Sewage Treatment
  - 5. Type
  - 6. Method of Sludge Disposal
  - 7. 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
  - 1. Lineal feet of Collector Lines (by size)
    - 6”:
    - 8”:
    - 10”:
    - 12”:
    - Larger:

XIV. LAND AND RIGHTS – PROPOSED SEWER SYSTEM

**NOT APPLICABLE**

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.

**The LCWD currently has six sources of water supply; the City of New Haven, Green River Valley Water District, City of Hodgenville, City of Bardstown, City of Campbellsville and Green-Taylor Water District. For the purpose of this Summary Addendum, it is assumed that all water supply will come from the City of Hodgenville.**

- B. Water Storage N/A
1. Type
  2. Number of Storage Structures:
  3. Total Storage Volume Capacity:
- C. Water Distribution System
1. Pipe Material: **PVC and DIP (ductile iron)**
  2. Lineal feet of Pipe
    - 3": **4,500**
    - 4": **43,000**
    - 6": **136,500**
    - 8":
    - 10":
    - 12":
  3. Number and Capacity of Pump Stations:

XVI. LAND AND RIGHTS - PROPOSED WATER SYSTEM NA

Number of Treatment Plant Sites  
Number of Pump Sites  
Number of Other Sites  
Total Acreage  
Purchase Price

XVII. NUMBER OF NEW SEWER USERS

**NOT APPLICABLE**

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

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

XVIII. PROPOSED SEWER CONNECTION FEES  
    FOR EACH SIZE WATER METER CONNECTION

**NOT APPLICABLE**

Meter Size	Water Connection Fee
5/8" X 3/4"	\$
1.0"	\$

XIX. NUMBER OF NEW WATER USERS

Residential (In Town)*	0
Residential (Out of Town)*	50
Non-Residential (In Town)	0
Non-Residential (Out of Town)	0
Total	50
Number of Total Potential Users Living in the Service Area	75

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

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

Meter Size	Water Connection Fee
5/8" X 3/4"	\$ 625



XXI. SEWER RATES - PROPOSED

**NOT APPLICABLE**

A. Proposed Rate Schedule without RUS Grant

Percentage of Water Bill:

Minimum Charge: \$

Other (If the charge is not based on water bill):

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 the charge is not based on water bill):

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, please include on additional sheets.

XXII. WATER RATES - PROPOSED

A. Proposed Rate Schedule without RUS Grant

Existing Rate Schedule

**5/8 and 3/4 Inch Meter**

<b>First</b>	<b>1,000 Gallons @</b>	<b>\$14.76 minimum</b>
<b>Next</b>	<b>4,000 Gallons @</b>	<b>\$6.32 per 1,000 Gallons</b>
<b>Next</b>	<b>5,000 Gallons @</b>	<b>\$5.56 per 1,000 Gallons</b>
<b>All Over</b>	<b>10,000 Gallons @</b>	<b>\$6.12 per 1,000 Gallons</b>

**3/4 Inch Meter**

<b>First</b>	<b>3,000 Gallons @</b>	<b>\$27.39 minimum</b>
<b>Next</b>	<b>2,000 Gallons @</b>	<b>\$6.32 per 1,000 Gallons</b>
<b>Next</b>	<b>5,000 Gallons @</b>	<b>\$5.56 per 1,000 Gallons</b>
<b>All Over</b>	<b>10,000 Gallons @</b>	<b>\$4.39 per 1,000 Gallons</b>

**1-Inch Meter**

<b>First</b>	<b>5,000 Gallons @</b>	<b>\$40.03 minimum</b>
<b>Next</b>	<b>5,000 Gallons @</b>	<b>\$5.56 per 1000 Gallons</b>
<b>Over</b>	<b>10,000 Gallons @</b>	<b>\$4.39 per 1000 Gallons</b>

**1-1/2-Inch Meter**

<b>First</b>	<b>5,000 Gallons @</b>	<b>\$67.81 minimum</b>
<b>Over</b>	<b>10,000 Gallons @</b>	<b>\$4.39 per 1000 Gallons</b>

**2-Inch Meter**

<b>First</b>	<b>20,000 Gallons @</b>	<b>\$111.69 minimum</b>
<b>Over</b>	<b>20,000 Gallons @</b>	<b>\$4.39 per 1,000 Gallons</b>

Date this rate went into effect:

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 the charge is not based on water bill):

**5/8 and 3/4 Inch Meter**

<b>First</b>	<b>1,000 Gallons @</b>	<b>\$14.63 minimum</b>
<b>Next</b>	<b>4,000 Gallons @</b>	<b>\$6.32 per 1,000 Gallons</b>
<b>Next</b>	<b>5,000 Gallons @</b>	<b>\$5.56 per 1,000 Gallons</b>
<b>All Over</b>	<b>10,000 Gallons @</b>	<b>\$6.12 per 1,000 Gallons</b>

**3/4 Inch Meter**

<b>First</b>	<b>3,000 Gallons @</b>	<b>\$27.26 minimum</b>
<b>Next</b>	<b>2,000 Gallons @</b>	<b>\$6.32 per 1,000 Gallons</b>
<b>Next</b>	<b>5,000 Gallons @</b>	<b>\$5.56 per 1,000 Gallons</b>
<b>All Over</b>	<b>10,000 Gallons @</b>	<b>\$4.39 per 1,000 Gallons</b>

**1-Inch Meter**

<b>First</b>	<b>5,000 Gallons @</b>	<b>\$39.90 minimum</b>
<b>Next</b>	<b>5,000 Gallons @</b>	<b>\$5.56 per 1000 Gallons</b>
<b>Over</b>	<b>10,000 Gallons @</b>	<b>\$4.39 per 1000 Gallons</b>

**1-1/2-Inch Meter**

<b>First</b>	<b>5,000 Gallons @</b>	<b>\$67.68 minimum</b>
<b>Over</b>	<b>10,000 Gallons @</b>	<b>\$4.39 per 1000 Gallons</b>

**2-Inch Meter**

<b>First</b>	<b>20,000 Gallons @</b>	<b>\$111.56 minimum</b>
<b>Over</b>	<b>20,000 Gallons @</b>	<b>\$4.39 per 1,000 Gallons</b>

If more than one rate, please include on additional sheets.

XXIII. FORECAST OF SEWER USAGE – INCOME  
EXISTING SYSTEM – EXISTING USERS

**NOT APPLICABLE**

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

**NOT APPLICABLE**

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

**XXV. Forecast of Water Usage - Existing System**

For the period, January 1, 2010 to December 31, 2010

**Residential 5/8" x 3/4" meter**

First 1,000 Gal. at		\$14.63	minimum		
Next 4,000 Gal. at		\$6.32	per Thousand Gallons.		
Next 5,000 Gal. at		\$5.56	per Thousand Gallons.		
All Over 10,000 Gal. at		\$6.12	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	1,000	1,000	284	284.00	4,153.50
1,000	2,000	1,800	381	685.80	7,497.85
2,000	3,000	2,895	690	1,997.55	18,352.35
3,000	4,000	3,550	568	2,016.40	17,457.99
4,000	5,000	4,863	267	1,298.42	10,421.39
5,000	6,000	5,442	240	1,306.01	10,164.41
6,000	7,000	6,670	220	1,467.40	10,819.17
7,000	8,000	7,350	204	1,499.40	10,803.25
8,000	9,000	8,593	160	1,374.88	9,578.42
9,000	10,000	9,818	76	746.17	5,067.15
10,000	over	10,290	53	545.37	3,681.33
<b>TOTALS</b>			3143	13,221.39	107,996.81

**Non-Residential 5/8" x 3/4" meter**

First 1,000 Gal. at		\$14.63	minimum		
Next 4,000 Gal. at		\$6.32	per Thousand Gallons.		
Next 5,000 Gal. at		\$5.56	per Thousand Gallons.		
All Over 10,000 Gal. at		\$6.12	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	1,000	1,000	2	2.00	29.25
1,000	2,000	1,800	5	9.00	98.40
2,000	3,000	2,895	7	20.27	186.18
3,000	4,000	3,550	8	28.40	245.89
4,000	5,000	4,863	12	58.36	468.38
5,000	6,000	5,442	6	32.65	254.11
6,000	7,000	6,670	3	20.01	147.53
7,000	8,000	7,350	2	14.70	105.91
8,000	9,000	8,593	1	8.59	59.87
9,000	10,000	9,818	1	9.82	66.67
10,000	over	10,290	6	61.74	416.75
<b>TOTALS</b>			53	265.53	2,078.95

**Annual Residential Water Sales \$1,295,961.68**

**Annual Non Residential 3/4" Water Sales \$24,947.35**

**Total Water Purchased and/or Produced (Gallons) 177,508,283**

**Total Water Sold (Gallons) 164,359,521**

RESIDENTIAL AND NON-RESIDENTIAL COMBINED	
Total Users	3205
Total Annual Water Sales	\$1,334,453.77
Average Monthly Bill	\$34.70
Average Monthly Usage (Gallons)	4,274

**XXV. Forecast of Water Usage - Existing System (Continued)**

For the period, January 1, 2010 to December 31, 2010

**Non-Residential .75" meter**

First 3,000 Gal. at		\$27.26	minimum		
Next 2,000 Gal. at		\$5.32	per Thousand Gallons.		
Next 5,000 Gal. at		\$5.35	per Thousand Gallons.		
All Over 10,000 Gal. at		\$4.39	per Thousand Gallons.		
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	3,000	8,327	0	0.00	0.00
3,000	4,000	3,800	0	0.00	0.00
4,000	5,000	4,800	0	0.00	0.00
5,000	6,000	5,800	0	0.00	0.00
6,000	7,000	6,800	0	0.00	0.00
7,000	8,000	7,800	1	7.80	55.46
8,000	9,000	8,800	1	8.80	61.02
9,000	10,000	9,800	0	0.00	0.00
10,000	over	10,500	0	0.00	0.00
<b>TOTALS</b>			2	16.60	116.47

**Non-Residential 1.0" meter**

First 5,000 Gal. at		\$30.90	minimum		
Next 5,000 Gal. at		\$5.56	per Thousand Gallons.		
All Over 10,000 Gal. at		\$4.39			
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	5,000	4,500	0	0.00	0.00
5,000	6,000	5,800	0	0.00	0.00
6,000	7,000	6,800	0	0.00	0.00
7,000	8,000	4,800	0	0.00	0.00
8,000	9,000	8,800	1	8.80	61.02
9,000	10,000	9,800	1	9.80	66.57
10,000	over	10,500	1	10.50	69.88
<b>TOTALS</b>			3	29.10	197.47

**Annual Non Residential 1.5 "Water Sales \$2,369.60**

**Annual Non Residential 1.0 "Water Sales \$1,397.68**

**Total Water Purchased and/or Produced (Gallons) 608,724**

**Total Water Sold (Gallons) 548,400**

RESIDENTIAL AND NON-RESIDENTIAL COMBINED	
Total Users	5
Total Annual Water Sales	\$3,767.28
Average Monthly Bill	\$62.79
Average Monthly Usage (Gallons)	9,140



**XXV. Forecast of Water Usage - Existing System (Continued)**

For the period, January 1, 2008 to December 31, 2008

**Non-Residential 1.5" meter**

First 10,000 Gal. at \$67.28 minimum					
All Over 10,000 Gal. at \$4.39 per Thousand Gallons.					
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	10,000	10,000	0	0.00	0.00
10,000	over	10,500	2	21.00	139.76
<b>TOTALS</b>			2	21.00	139.76

**Non-Residential 2.0" meter**

First 20,000 Gal. at \$11.50 minimum					
All Over 20,000 Gal. at \$4.39 per Thousand Gallons.					
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income
From	To				
0	20,000	20,000	0	0.00	0.00
20,000	over	71,500	2	143.00	675.03
<b>TOTALS</b>			2	143.00	675.03

**Annual Non Residential 2.0 "Water Sales \$1,677.08**

**Annual Non Residential 3.0 "Water Sales \$8,100.38**

**Total Water Purchased and/or Produced (Gallons) 2,184,480**

**Total Water Sold (Gallons) 1,968,000**

RESIDENTIAL AND NON-RESIDENTIAL COMBINED	
Total Users	3205
Total Annual Water Sales	\$1,334,453.77
Average Monthly Bill	\$34.70
Average Monthly Usage (Gallons)	4,274

**XXVI. Forecast of Water Usage - New Users - Extension Only**

For the period, January 1, 2010 to December 31, 2010

**Residential 5/8" x 3/4" meter**

First 1,000 Gal. at \$11.63 minimum		Next 4,000 Gal. at \$6.37 per Thousand Gallons.		Next 5,000 Gal. at \$5.56 per Thousand Gallons.		All Over 10,000 Gal. at \$6.12 per Thousand Gallons.	
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income		
From	To						
0	1,000	1,000	5	5.00	73.13		
1,000	2,000	1,800	6	10.80	118.08		
2,000	3,000	2,895	11	31.85	292.57		
3,000	4,000	3,550	9	31.95	276.62		
4,000	5,000	4,863	4	19.45	156.13		
5,000	6,000	5,442	3	16.33	127.06		
6,000	7,000	6,670	4	26.68	196.71		
7,000	8,000	7,350	3	22.05	158.87		
8,000	9,000	8,593	3	25.78	179.60		
9,000	10,000	9,818	1	9.82	66.67		
10,000	over	10,290	1	10.29	69.46		
<b>TOTALS</b>			50	209.99	1,714.89		

**Annual Residential Water Sales \$20,578.68**

**Total Water Purchased and/or Produced (Gallons) 2,721,458**

**Total Water Sold (Gallons) 2,519,869**

RESIDENTIAL AND NON-RESIDENTIAL COMBINED	
Total Users	50
Total Annual Water Sales	\$20,578.68
Average Monthly Bill	\$34.30
Average Monthly Usage (Gallons)	4,200

**Non-Residential 5/8" x 3/4" meter**

First 1,000 Gal. at \$0.00 minimum		Next 4,000 Gal. at \$6.37 per Thousand Gallons.		Next 5,000 Gal. at \$5.56 per Thousand Gallons.		All Over 10,000 Gal. at \$6.12 per Thousand Gallons.	
Monthly Usage Gallons		Average Monthly Usage	No. of Users	Usage (1000-Gal.)	Monthly Income		
From	To						
0	1,000	1,000	0	0.00	0.00		
1,000	2,000	1,800	0	0.00	0.00		
2,000	3,000	2,895	0	0.00	0.00		
3,000	4,000	3,550	0	0.00	0.00		
4,000	5,000	4,863	0	0.00	0.00		
5,000	6,000	5,442	0	0.00	0.00		
6,000	7,000	6,670	0	0.00	0.00		
7,000	8,000	7,350	0	0.00	0.00		
8,000	9,000	8,593	0	0.00	0.00		
9,000	10,000	9,818	0	0.00	0.00		
10,000	over	10,290	0	0.00	0.00		
<b>TOTALS</b>			0	0.00	0.00		

**Annual Non Residential 3/4" Water Sales \$0.00**

XXVII. CURRENT OPERATING BUDGET – (SEWER SYSEM)  
 (As of the last full operating year)

**NOT APPLICABLE**

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	\$
	Total Operating and Maintenance Expenses	\$
	Net Operating Income	\$
C.	Non-Operating Income	
	Interest on Deposit	\$
	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	\$

XXVIII. PROPOSED OPERATING BUDGET – (SEWER SYSTEM)  
 EXISTING SYSTEM AND NEW USERS  
 (First full year of operation)  
 Year Ending:

**NOT APPLICABLE**

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	\$
	Total Operating and Maintenance Expenses	\$
	Net Operating Income	\$
C.	Non-Operating Income	
	Interest on Deposit	\$
	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  
 (First full year of operation)  
 Year Ending:

**NOT APPLICABLE**

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	\$
	Total Operating and Maintenance Expenses	\$
	Net Operating Income	\$
C.	Non-Operating Income	
	Interest on Deposit	\$
	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	\$

XXX.

CURRENT OPERATING BUDGET – (WATER SYSTEM)  
(As of the last full operating year) (2008)

A.	Operating Income	
	Water Sales	\$1,140,976
	Disconnect/Reconnect/Late Charge Fee	\$46,979
	Other (describe)	\$0
	Taxes	\$0
	Less Allowances and Deductions	\$0
	Total Operating Income	\$1,187,955
B.	Operation and Maintenance Expenses	
	(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
	Source of Supply Expense	\$459,382
	Pumping Expense	\$47,432
	Water Treatment Expense	\$0
	Transmission and Distribution Expense	\$210,488
	Customer Accounts Expense	\$0
	Administrative and General Expense	\$310,853
	Total Operating Expense	\$1,028,155
	Net Operating Income	\$159,800
C.	Non-Operating Income	
	Interest on Deposits	\$16,341
	Interest Expenses	\$0
	Grant Proceeds	\$0
	Grant Payments	\$0
	Rental Income	\$0
	Other (Gain on Disposal of Assets)	\$0
	Total Non-Operating Income	\$16,341
D.	Net Income	\$176,141
E.	Debt Repayment	
	RUS Interest	\$163,021
	RUS Principal	\$55,700
	Non-RUS Interest	\$0
	Non-RUS Principal	\$0
	Total Debt Repayment	\$218,721
F.	Balance Available for Coverage	\$(42,580)

XXXI. PROPOSED OPERATING BUDGET – (WATER SYSTEM)  
 EXISTING SYSTEM AND NEW USERS  
 (First full year of operation) (2010) Year Ending:

A.	Operating Income	
	Water Sales	\$1,355,032
	Disconnect/Reconnect/Late Charge Fee	\$30,000
	Other (describe)	\$0
	Less Allowances and Deductions	\$0
	Total Operating Income	\$1,385,032
B.	Operation and Maintenance Expenses	
	(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
	Source of Supply Expense	\$465,000
	Pumping Expense	\$48,000
	Water Treatment Expense	\$0
	Transmission and Distribution Expense	\$214,000
	Customer Accounts Expense	\$0
	Administrative and General Expense	\$315,000
	Total Operating Expense	\$1,042,000
	Net Operating Income	\$343,032
C.	Non-Operating Income	
	Interest on Deposits	\$0
	Other (Rental)	\$0
	Total Non-Operating Income	\$0
D.	Net Income	\$343,032
E.	Debt Repayment	
	RUS Interest	\$174,000
	RUS Principal	\$58,000
	Non-RUS Interest	\$0
	Non-RUS Principal	\$0
	Total Debt Repayment	\$232,000
F.	Balance Available for Coverage	\$111,032

XXXII. PROPOSED OPERATING BUDGET – (WATER SYSTEM)  
 NEW USERS – EXTENSION ONLY  
 (First full year of operation) (2010)  
 Year Ending:

A.	Operating Income	
	Water Sales	\$20,579
	Disconnect/Reconnect/Late Charge Fee	\$0
	Other (describe)	\$0
	Less Allowances and Deductions	\$0
	Total Operating Income	\$20,579
B.	Operation and Maintenance Expenses	
	(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
	Source of Supply Expense	\$5,618
	Pumping Expense	\$568
	Water Treatment Expense	\$0
	Transmission and Distribution Expense	\$3,512
	Customer Accounts Expense	\$0
	Administrative and General Expense	\$4,147
	Total Operating Expense	\$13,845
	Net Operating Income	\$6,734
C.	Non-Operating Income	
	Interest on Deposits	\$0
	Other (identify)	\$0
	Total Non-Operating Income	\$0
D.	Net Income	\$6,734
E.	Debt Repayment	
	RUS Interest	\$10,979
	RUS Principal	\$2,300
	Non-RUS Interest	\$0
	Non-RUS Principal	\$0
	Total Debt Repayment	\$13,279
F.	Balance Available for Coverage	(\$6,545)



XXXIII. ESTIMATED PROJECT COST - SEWER  
(Round to the nearest 100\$)

**NOT APPLICABLE**

	Collection	Treatment	Total
Development			
Land and Rights			
Legal			
Engineering			
Interest			
Contingencies			
Initial Operating and Maintenance			
Other			
TOTAL			

XXXIV. PROPOSED PROJECT FUNDING - SEWER

**NOT APPLICABLE**

	Collection	Treatment	Total
Applicant – User Contribution Fees			
Other – Applicant Contribution			
RUS Loan			
RUS Grant			
ARC Grant (if applicable)			
CDBG (if applicable)			
Other (specify)			
Other (specify)			
TOTAL			

XXXV. REVISED ESTIMATED PROJECT COST – WATER  
August 2009

Development	<b>\$1,150,000</b>
Land and Rights	<b>\$40,000</b>
Legal	<b>\$10,000</b>
Engineering	<b>\$100,000</b>
Inspection	<b>\$63,000</b>
Interest	<b>\$10,000</b>
Contingencies	<b>\$115,000</b>
Other (PE Report, Archeological Survey, PSC, Surveying, etc.)	<b>\$12,000</b>
<b>TOTAL</b>	<b>\$1,500,000</b>

XXXVI. PROPOSED PROJECT FUNDING - WATER

RUS Loan	<b>\$245,000</b>
RUS Grant	<b>\$105,000</b>
KIA Grant WX21123006	<b>\$450,000</b>
KIA Grant WX21123007	<b>\$300,000</b>
KIA Grant WX21123016	<b>\$250,000</b>
KIA Grant WX21179003	<b>\$150,000</b>
<b>TOTAL</b>	<b>\$1,500,000</b>