



JASON E. MUMPOWER
Comptroller

Agenda
Water and Wastewater Financing Board
September 16, 2021
10:00 AM

- I. Call to Order
- II. Approval of Minutes
- III. Update Cycle
 - a. Marshall County Page 9
 - b. Mount Juliet Page 234
 - c. Newbern Page 268
 - d. Rogersville Page 294
 - e. Trezevant Page 343
 - f. Watertown Page 377
- IV. Financial Distress
 - a. Copperhill Page 380
 - b. Englewood Page 406
 - c. Lynnville Page 411
 - d. Red Boiling Springs Page 416
 - e. Saint Joseph Page 420
 - f. Tellico Plains Page 455
 - g. Tennessee Ridge Page 484
 - h. Tiptonville Page 544
- V. Extension of Previous Board Orders Page 697
 - a. Atoka
 - b. Bruceton
 - c. Collinwood
 - d. Erin
 - e. Lincoln County
 - f. Puryear
 - g. Rutledge
 - h. Trimble
 - i. Vanleer
- VI. 2022 Meeting Dates
- VII. Board Discussion

MINUTES
WATER and WASTEWATER FINANCING BOARD MEETING
April 29, 2021
10:00 am

Chair Betsy Knotts detected a quorum and called to order the meeting of the Water and Wastewater Financing Board (“the Board”) in the Volunteer Conference Center in the Cordell Hull Building in Nashville, TN at 10:00 am.

Board Members Present

Betsy Knotts, Chair, Comptroller Designee
Tom Moss, Department of Environment and Conservation (“TDEC”), Commissioner Designee
Eugene Hampton, representing government finance
Jim Redwine, representing environmental interests
Nick Newman, active employee of municipal water system
Mike Adams, representing utility districts
Mike Goodman, representing manufacturing interests

Members Absent

Rick Graham, representing municipalities
Drexel Heidel, active employee of a water utility district

Staff Present

John Greer, Comptroller’s Office
Ross Colona, Comptroller’s Office

Counsel Present

Rachel Buckley, Comptroller’s Office

Others Present & Addressing the Board

Mayor Wess Ward, Town of Linden

Approval of Minutes

Ms. Knotts presented the November 19, 2020 minutes for approval. Mr. Adams moved to approve the minutes. Mr. Moss seconded, and the motion passed unanimously.

Missing Questionnaires

The following entities had failed to submit their financial questionnaires to Board staff, which resulted in Staff recommending that the Board order the entities to submit the questionnaires by a prescribed date. Mr. Moss moved to combine the following items into one vote, as the staff recommendation was the same for each entity and to adopt Staff’s recommendation.

Englewood
Lynnville
Marshall County
Red Boiling Springs

**Saint Joseph
Tennessee Ridge
Tiptonville**

Mr. Redwine seconded, and the motion passed unanimously.

Update Cycle

Staff indicated that the following entities had complied with or were nearing completion of all Board directives. Staff recommended that the Board monitor the progress of the entities by requiring twice-yearly financial updates. Mr. Moss moved to combine the following items into one vote as the staff recommendation was the same for each entity and to adopt Staff's recommendation.

**Benton
Cowan
Harriman
Lauderdale County
Millersville
Spring City
Woodland Mills**

Mr. Hampton seconded, and the motion passed unanimously.

Financial Distress

Adamsville

Mr. Greer explained the staff recommendations. Mr. Goodman moved to order the following:

1. The City shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - a. a review of the debt management policy;
 - b. a justification for the differing water and sewer rate classes, or if no justification is possible, a recommendation for a single rate class;
 - c. a review of the leak adjustment policy;
 - d. a review of the capitalization policy;
 - e. a review of connection, reconnection, and tap fees, to include a justification for the differing water fee classes, or if no justification is possible, a recommendation for a single fee structure; and
 - f. a review of turn-on fees, to include a justification for the differing fee classes, or if no justification is possible, a recommendation for a single fee structure.
2. By June 11, 2021, the City shall send Board staff a copy of the contract between the City and the qualified expert who is to perform the tasks in paragraph 1.

3. By September 30, 2021, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
4. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the City.

Mr. Newman seconded, and the motion passed unanimously.

Bethel Springs

Mr. Greer explained the staff recommendations. Mr. Moss moved to order the following:

1. By June 30, 2021, the City shall send Board staff proof that it has implemented the recommendations contained in the April 2021 TAUD report.
2. The City shall send financial updates to Board staff by March 1st and September 1st of each year, beginning September 1, 2021, until the Board releases the City from its oversight.

Mr. Adams seconded, and the motion passed unanimously.

Clifton

Mr. Greer explained the staff recommendations. Mr. Redwine moved to order the following:

1. By November 1, 2021, the City shall provide Board staff with a financial update and an update regarding the status of the plant's construction.

Mr. Adams seconded, and the motion passed unanimously.

Copperhill

Mr. Greer explained the staff recommendations. Ms. Knotts moved to order the following:

1. By June 30, 2021, the City shall send Board staff proof that it has implemented the recommendations contained in the January 2021 TAUD report.
2. The City shall send financial updates to Board staff by March 1st and September 1st of each year, beginning September 1, 2021, until the Board releases the City from its oversight.

Mr. Redwine seconded, and the motion passed unanimously.

Goodlettsville

Mr. Greer explained the staff recommendations. Mr. Newman moved to order the following:

1. By November 1, 2021, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
2. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the City.

Mr. Hampton seconded, and the motion passed unanimously.

Kingsport

Mr. Greer explained the staff recommendations. Mr. Goodman moved to order the following:

1. By November 1, 2021, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
2. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the City.

Mr. Newman seconded, and the motion passed unanimously.

Linden

Mr. Greer explained the staff recommendations.

Mayor Wess Ward appeared at the meeting and addressed the Board on behalf of the Town. He indicated that he had been working on the questionnaire and had asked the Tennessee Association of Utility Districts for assistance. He explained that the Town had to replace a significant number of meters, which contributed to the financial instability. Mayor Ward also indicated that he had made several cuts to expenses and that the financial outlook of the Town was improving. He assured the Board that he would not ignore its directives and appeared before it as a sign of good faith.

Mr. Adams moved to order the following:

1. The Town shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - a. a review of the debt management policy;
 - b. a review of the capitalization policy; and
 - c. a review of connection, reconnection, and tap fees.
2. By June 11, 2021, the Town shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
3. By September 30, 2021, the Town shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
4. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the Town.

Mr. Hampton seconded, and the motion passed unanimously.

Lobelville

Mr. Greer explained the staff recommendations. He provided that the sewer system's capacity is 113,000 gallons per day, but the City indicated on its questionnaire that it treats 182,000 gallons per day. This excess amount is due to infiltration and inflow, and while the City has no plans to

correct these issues, it contends that it has unsuccessfully applied for grants the past three years to address the problem.

Mr. Redwine asked that in the rate study a plan would be developed to address capacity issues at the plant. Mr. Adams stated that TAUD and other groups that generally do rate studies may not be able to perform this engineering report.

Mr. Greer suggested that the Board could amend the recommendation to allow for additional experts be hired if necessary to create a plan that would solve the City's sewer capacity issues as part of the rate study.

Mr. Redwine moved to order the following:

1. The City shall have the Tennessee Association of Utility Districts, or additional experts if necessary, as approved by Board staff, perform a rate study that includes the following:
 - a. a review of the debt management policy;
 - b. a justification for the differing rate classes, or if no justification is possible, recommendations for an appropriate rate structure;
 - c. creation of a capitalization policy;
 - d. creation of a five-year capital asset plan;
 - e. creation of a plan to address infiltration and inflow;
 - f. a review of the leak adjustment policy;
 - g. a review of connection, reconnection, and tap fees; and
 - h. creation of a plan to resolve its sewer capacity issues.
2. By June 7, 2021, the City shall send Board staff a copy of the contract between the City and the qualified expert who is to perform the tasks in paragraph 1.
3. By November 1, 2021, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
4. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the City.

Ms. Knotts seconded, and the motion passed unanimously.

Parrottsville

Mr. Greer explained the staff recommendations.

Mr. Goodman moved to order the following:

1. By June 11, 2021, the Town shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1 of the September 2020 order.
2. By November 1, 2021, the Town shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

3. If the Town fails to comply with the directives of this order or those of the September 18, 2020 order, Staff shall refer this matter to the Tennessee Attorney General for enforcement through chancery court.

Mr. Newman seconded, and the motion passed unanimously.

Sunbright and Wartburg

Board staff informed the Board that the Tennessee Association of Utility Districts (“TAUD”) recently conducted a regionalization study, which was funded by the United States Department of Agriculture (“USDA”), of the Cities and Plateau Utility District (“the District”) and found that a merger between the Cities and the District may be in the best interest of the customers in the service areas. Board staff agreed with this conclusion, and it appeared that all parties are open to the general idea. Staff also noted that Wartburg had continued to lose money in part due to its failure to charge a local prison a sufficient rate. Sunbright had complied with all Board directives.

Representatives of the District appeared at the meeting and indicated that the District’s hesitation with a merger was in large part due to Wartburg’s need for capital projects. The District was concerned with funding such projects without penalizing its existing customer base and requested input and assistance on how to approach the problem from various state entities.

Ms. Knotts stated that through American Rescue Plan funds and the State Revolving Fund there is the potential for the upgrades to be financed in a way that there should not be a huge burden shared with the current customer base.

Mr. Redwine suggested adding a paragraph to Staff’s recommendation that would require Sunbright and Wartburg to explore ARP and SRF funding to assist in merger or consolidation efforts.

Mr. Redwine moved to order the following:

1. Sunbright shall continue to explore merger or consolidation possibilities with Wartburg and the District.
2. By June 30, 2021, Wartburg shall adopt all recommendations of the March 2021 TAUD report.
3. Wartburg shall continue to explore merger or consolidation possibilities with Sunbright and the District.
4. By August 1, 2021, Wartburg shall send staff proof of implementation of all TAUD recommendations.
5. By September 1, 2021, Wartburg and Sunbright shall send Board staff an update on merger or consolidation possibilities.
6. Wartburg and Sunbright shall actively explore State Revolving Fund and American Rescue Plan funding to assist in consolidating or merging operations with the District.

Ms. Knotts seconded, and the motion passed unanimously.

Watertown

Mr. Greer explained the staff recommendations. Mr. Redwine moved to order the following:

1. By June 30, 2021, the City shall send Board staff proof that it has implemented the recommendations contained in the July 2020 TAUD report.
2. If the City fails to comply with the directives of this order, those of the September 2019 order, or those of the September 2020 order, Staff shall refer this matter to the Tennessee Attorney General for enforcement through chancery court.

Mr. Moss seconded, and the motion passed unanimously.

Board Discussion

No additional discussion occurred.

Adjournment

Chairman Knotts adjourned the meeting at 11:30 AM.



JASON E. MUMPOWER
Comptroller

Entity Referred: **Marshall County**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

Prior to the county's referral to the Board, the County contracted with Jackson Thornton to perform a cost-of-service study and began implementing the resulting recommendations on July 1, 2021. Board staff is comfortable with the results of Jackson Thornton's cost-of-service study and with Marshall County's financial trajectory.

Staff Recommendation

Order the following:

1. The County shall send financial updates to Board staff by March 1st and September 1st of each year, beginning March 1, 2022, until the Board releases the County from its oversight.



JASON E. MUMPOWER
Comptroller

Thursday, January 21, 2021

Jessie T. (Tommy) Whaley, Jr.
Marshall County Board of Public Utilities
624 West Commerce Street
Lewisburg, TN 37091

Mr. Whaley, Jr.,

The Tennessee Comptroller of the Treasury has referred Marshall County to the Water & Wastewater Financing Board (hereinafter "Board") for financial distress pursuant to Tennessee Code Annotated § 68-221-1010(a).

~~Please fill out the enclosed questionnaire and return it and all supporting documentation to our office no later than April 2, 2021. Please submit this to either utilities@cot.tn.gov and/or the following mailing address:~~

TN Comptroller of the Treasury
Attention: John Greer/Ross Colona
Cordell Hull Building
425 Rep. John Lewis Way North
Nashville, TN 37243

If you wish to submit this information via mail, **do not send stapled documents.**

While we recognize that this questionnaire may be difficult to fill out, it is necessary to determine how we can help you achieve long-term financial success. If you are having trouble filling this out, please contact our office for additional assistance. After we receive your information, we will decide whether it is necessary for the County to meet with our staff or go directly before the Board.

If you need further assistance or have any questions, please feel free to contact us at (615) 747-5260 or utilities@cot.tn.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "John Greer".

John Greer
Technical Secretary

Ross Colona

Ross Colona
Financial Analyst

Section A: Contact Information

Please provide contact information for the utility by responding to the fields below.

Utility Address Information	
Utility Contact Address Line 1:	624 West Commerce St.
Utility Contact Address Line 2:	
Utility Contact Address City:	Lewisburg
Utility Contact Address State:	Tennessee
Utility Contact Address Zip Code:	37091
Contact Person 1 Information	
Contact Person 1 Title:	Superintendent
Contact Person 1 Name:	Jessie T. Whaley, Jr.
Contact Person 1 Email Address:	twhaley@marshallcountyttn.com
Contact Person 1 Phone Number:	931-359-6905(office); 931-993-8574(ce11)
Contact Person 2 Information	
Contact Person 2 Title:	Office Manager
Contact Person 2 Name:	Gayle Miller
Contact Person 2 Email Address:	gmiller@marshallcountyttn.com
Contact Person 2 Phone Number:	931-359-6905(office)

7. Please provide the most recent 3 months of balance sheets and income statements for your water fund.
 - a. If you are a water and wastewater utility and are having difficulty breaking out the accounts, please use percentages or estimate for accounts for the most accurate depiction of the financial status of the utility.
8. Do you have a plan to remedy your financially distressed position for your water fund?

Yes or No (Circle your answer)

 - a. If yes, please provide a detailed copy.
 - b. If no, please provide a justification for why not.
9. Who has the authority to set rates and fees?

Answer: Marshall County Board of Public Utilities Board of Directors

- a. Is this a board or committee separate from your local legislative body? (City Council, Board of Mayor and Alderman, etc.)

Yes or No (Circle your answer)
 - b. Please provide a list containing the following information for the aforementioned individuals: **see attachment #11**
 - i. Name
 - ii. Title
 - iii. Mailing Address
 - iv. Phone Number
 - v. Date of Initial Election or Appointment
 - vi. Have they fulfilled their initial 12 hour training requirement within the first year of service, if applicable? Yes or No
 - vii. If so, please provide proof that the training requirement has been satisfied.
10. How many total customers do you currently have?

Answer: 4906

- a. Please provide a numerical break-down of the totals for each type of customer:
 - i. Billed
 - ii. Unbilled
 - iii. Metered
 - iv. Unmetered
 - v. Breakdown by Rate Class (inside, outside, inside residential, inside commercial, outside residential, outside commercial, etc.) **see attachment #12**
11. What percentage of your sales do your largest 10 customers account for annually?
(Largest 10 Customer Sales Total / Total Annual Water Sales)

Answer: 5.88%

12. What percentage of your volume do you largest 10 customers account for annually?
(Gallons of Water sold to Largest 10 Customers / Total Gallons of Water Sold)

Answer: 10.7%

13. Do you have a leak adjustment policy? **yes, see attachment #13**

- a. If yes, please provide the following:
- i. List of entities water is purchased from
 - ii. Rates at which water is purchased at
 - iii. Water purchase contract with these entities, if no contract exists please give an explanation as to why there is no contract.
- b. If no, please move on to the following question.
22. Do you have any wholesale customers?
- Yes or No (Circle your answer)
- a. If yes, please provide the contract(s) with these customer(s) or a detailed explanation as to why a contract does not exist and the rate at which water is sold to this customer.
 - b. If no, please move on to the following question.
23. Do you have a plan to improve your non-revenue water percentage?
- Yes or No (Circle your answer)
- a. If yes, please provide a detailed explanation as to how this will be improved along with your current non-revenue water percentages by cost and by volume.
 - b. If no, please provide a detailed justification as to why the current non-revenue water percentage does not need to be improved along with your current non-revenue water percentages by cost and by volume.
24. Are there any environmental concerns currently or forthcoming that will put a financial burden on the system?
- Yes or No (Circle your answer)
- a. If yes, please provide a detailed explanation as to what the concern or issue is and the extent of the financial burden that will be incurred.
 - b. If no, please move on to the next question.
25. In regard to your governing body, how frequently do you meet and what is your practice of providing notice of your meetings?

Answer: The board meets on the 3rd Tuesday of every month. We advertise the meeting on the local radio station, in the local newspaper, on our website-mcbpu.com, and it is printed on the back of our water bills

Attachment Number: 13 Question Number: Section B, Question #13	Leak Adjustment Policy
Attachment Number: 14 Question Number: Section B, Question #14	Debt Response <i>none</i>
Attachment Number: 15 Question Number: Section B, Question #15	Grants/Contributions Response
Attachment Number: 16 Question Number: Section B, Question #16	Future Grants Response
Attachment Number: 17 Question Number: Section B, Question #17	Customer Rate Awareness Response
Attachment Number: 18 Question Number: Section B, Question #19	Capital Asset List Review Response
Attachment Number: 19 Question Number: Section B, Question #21	Water Purchase Information
Attachment Number: 20 Question Number: Section B, Question #22	Wholesale Customer Information
Attachment Number: 22 Question Number: Section B, Question #23	Non-Revenue Water Response
Attachment Number: 23 Question Number: Section B, Question #24	Environmental Concerns Response

7. Please provide the most recent 3 months of balance sheets and income statements for your utility.
 - a. If you are a water and wastewater utility and are having difficulty breaking out the accounts, please use percentages or estimate for accounts for the most accurate depiction of the financial status of the utility.
8. Do you have a plan to remedy your financially distressed position for your wastewater fund?

Yes or No (Circle your answer)

 - a. If yes, please provide a detailed copy.
 - b. If no, please provide a justification for why not.
9. Who has the authority to set rates and fees?

Answer: Marshall County Board of Public Utilities Board of Directors

- a. Is this a board or committee separate from your local legislative body? (City Council, Board of Mayor and Alderman, etc.)

Yes or No (Circle your answer)
- b. Please provide a list containing the following information for the aforementioned individuals:

- i. Name
- ii. Title
- iii. Mailing Address
- iv. Phone Number
- v. Date of Initial Election or Appointment
- vi. Have they fulfilled their initial 12 hour training requirement within the first year of service, if applicable? Yes or No
- vii. If so, please provide proof that the training requirement has been satisfied.

10. How many total customers do you currently have?

Answer: 211

- a. Please provide a numerical break-down of the totals for each type of customer:
 - i. Billed
 - ii. Unbilled
 - iii. Metered
 - iv. Unmetered
 - v. Breakdown by Rate Class (inside, outside, inside residential, inside commercial, outside residential, outside commercial, etc.)

11. What percentage of your sales do your largest 10 customers account for annually?
(Largest 10 Customer Revenues Total / Total Annual Wastewater Revenue)

Answer: na- Flat Rate fee of \$40.00/mo/connection

12. What percentage of your volume do you largest 10 customers account for annually?
(Wastewater Revenue for Largest 10 Customers / Total Wastewater Revenue)

Answer: na- flat rate fee of \$40.00/mo/connection

- b. If no, but **some** of your customers are billed based on water usage, then answer the above question regarding usage data, but also provide a written explanation on how these customers are billed that are not billed based on water usage.
- c. If no, and **none** of your customers are based on water usage, then provide a written explanation on how these customers are billed.

21. Do you have any customers on wells?

Yes or No (Circle your answer)

- a. If yes, how are these customers billed?

Answer:

- b. If no, please move on to the following question.

22. Do you have any wastewater customers you classify as wholesale?

Yes or No (Circle your answer)

- a. If yes, please provide the contract(s) with these customer(s) or a detailed explanation as to why a contract does not exist and the rate at which wastewater is treated for this customer?
- b. If no, please move on to the following question.

23. Do you treat your own wastewater?

Yes or No (Circle your answer)

- a. If yes, please provide the following:
 - i. Cost to treat per thousand gallons.
 - ii. The design capacity of your treatment facility and the percentage of the design capacity currently being used.
 - iii. The average operating capacity of your treatment facility.
- b. If no, please provide the following:
 - i. List of entities wastewater is treated by
 - ii. Rates at which wastewater is treated by entity
 - iii. Wastewater treatment contract with these entities, if no contract exists please give an explanation as to why there is no contract.

24. Do you have a plan to improve your infiltration and inflow (I&I)?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation as to how this will be improved along with your current I&I data.
- b. If no, please provide a detailed justification as to why the current I&I does not need to be improved along with your current I&I data.

25. Are there any environmental concerns currently or forthcoming that will put a financial burden on the system?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation as to what the concern or issue is and the extent of the financial burden that will be incurred.
- b. If no, please move on to the next question.

Wastewater Attachment List

The previous questions asked for several written explanations and attachments. Below you will find a list of the necessary attachments for questions depending on the answers provided. Please attach the following documents in the order listed with the Wastewater Attachment Number at the top of the corresponding document. You may find that due to some of your answers you may not need to provide an attachment as listed; that is acceptable. If the document is already included with your answers from the Water Section of this questionnaire, then it is not necessary to include the same document twice. **Please do not send in any stapled documents.**

Wastewater Attachment Number, Question Number Asking for Document	Requested Document
Attachment Number: 1 Question Number: Section C, Question #2	Current Rate Ordinance/Structure and Justification
Attachment Number: 2 Question Number: Section C, Question #2	Previous Rate Structure/Ordinance
Attachment Number: 3 Question Number: Section C, Question #3	Rate Change Information from Section C, Question #3
Attachment Number: 4 Question Number: Section C, Question #4	Current Utility Fee Schedule
Attachment Number: 5 Question Number: Section C, Question #4	Previous Utility Fee Schedules
Attachment Number: 6 Question Number: Section C, Question #4	Written Rationale for Utility Fee Justification
Attachment Number: 7 Question Number: Section C, Question #5	Debt Management Policy; or Justification for lack thereof
Attachment Number: 8 Question Number: Section C, Question #6	Capitalization Policy; or Justification for lack thereof
Attachment Number: 9 Question Number: Section C, Question #7	Financial Statements
Attachment Number: 10 Question Number: Section C, Question #8	Financial Distress Remedy Plan; or Justification for lack thereof
Attachment Number: 11 Question Number: Section C, Question #9	Board Training Information
Attachment Number: 12 Question Number: Section C, Question #10	Customer Count Breakdown

Comptroller Office
WWFB Financial Questionnaire

Section B: Water Utility Information

1. Yes
2. Yes
 - a. wtr attachment #1. The current rate was advised through a rate study that Jackson Thornton our Financial Advisor had preformed..
 - b. wtr attachment #2- previous two rates from 2016 & 2018
 - c. The rates for Ag/Commercial/Industrial, Chapel Hill, and Henry Horton State Park are larger volumes.
3. Yes
 - a.
 - i. Increase
 - ii. Residential/agriculture /business/exempt
 - iii. Yes, 10-20-20 board meeting
 - iv. Wtr attachment #3

4. Yes
 - a. wtr attachment #4
 - b. wtr attachment #5
 - c. wtr attachment #6- Capacity Fee was added to all taps purchased to fund upgrading of our infrastructure for the growth in our system.
5. No
 - a. wtr attachment #7
6. Yes
 - a. wtr attachment #8
7.
 - a. wtr attachment #9- Balance Sheet, Revenue/Expenditure, Cash with Trustee Report
8. Yes
 - a. wtr attachment #10- Jackson Thornton financial plan, rate adjustment in our minimum bill January 1, 2021, rate adjustment to become a \$20.00 customer charge plus charge for all gallons used instead of a minimum bill July 1, 2021
9. Marshall County Board of Public Utilities Board of Directors
 - a. Yes
 - b. see wtr attachment #11
10. 4906
 - a.
 - i. billed=

Section B: Wastewater Utility Information

1. Yes
2. Yes
 - a. See attachment #1. We have not had a rate study performed. The rate is set to cover cost to maintain our drip field system.
 - b. See attachment #2
 - c. Flat monthly fee set for residential homes in two (2) subdivisions with drip field system
3. No
4. Yes
 - a. See ww attachment #4
 - b. See ww attachment #5
 - c. The \$750.00 connection fee was implemented to cover expenses for pumps, pumping of the septic tanks, and all other sewer related expenses.
5. No
 - a. See ww attachment #7
6. Yes
 - a. See ww attachment #8
7. See attachment #9
8. No. There is not a need currently. The sewer is not financially distressed.
9. Marshall County Board of Public Utilities Board of Directors
 - a. Yes
 - b. See ww attachment #11
 - i.
 - ii.
 - iii.
 - iv.
 - v.
 - vi. yes
 - vii.
10. 211
 - a. See ww attachment #12
11. na flat rate fee of \$40.00/mo/connection
12. na flat rate fee of \$40.00/mo/connection
13. No

Section B: Water Utility Information
Attachments

Wtrc Attachment #1
Attachment #3
all customers

**MARSHALL COUNTY PUBLIC UTILITIES
624 WEST COMMERCE ST
LEWISBURG, TN 37091
(931) 359-6905**

THE MARSHALL COUNTY BOARD OF PUBLIC UTILITIES WATER RATES
EFFECTIVE JANUARY 1, 2021
RESIDENTIAL WATER RATES ARE AS FOLLOWS:

0-500 GALLONS.....	\$20.00
501 TO 6999 GALLONS.....	\$8.00/1000 GALLONS
7000 TO 12,000 GALLONS.....	\$10.00/1000 GALLONS
OVER 12,000 GALLONS.....	\$15.00/1000 GALLONS

Board approved this rate adjustment on October 20, 2020 in our regular monthly board meeting.

AGRICULTURAL/COMMERCIAL/INDUSTRIAL
WATER RATES ARE AS FOLLOWS:

0-500 GALLONS.....	\$20.00
Over 501 GALLONS.....	\$10.00 per 1,000 GALLONS

Board approved in the August 21, 2018 regular monthly board meeting.

MARSHALL COUNTY BOARD OF PUBLIC UTILITIES

Work Session

September 29, 2020

10:00 A.M.

I. CALL TO ORDER

Financial Advisor Presentation

II. ADJOURNMENT

The Marshall County Board of Public Utilities will meet for a presentation with Financial Advisor, Jim Marshall, with Jackson Thornton Tuesday, September 29, 2020 at 10:00 a.m. The meeting will be held at Marshall County Board of Public Utilities Conference Room at 624 West Commerce St., Lewisburg, TN

**MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS
MARSHALL COUNTY BOARD OF PUBLIC UTILITIES
WORK SESSION SEPTEMBER 29, 2020**

“THIS INSTITUTION IS AN EQUAL OPPORTUNITY PROVIDER AND EMPLOYER”

THE BOARD OF DIRECTORS OF THE MARSHALL COUNTY BOARD OF PUBLIC UTILITIES HELD A WORK SESSION ON SEPTEMBER 29, 2020 AT 10:00 A.M., IN THE DOUG ROGERS BOARD ROOM AT 624 WEST COMMERCE ST. THE FOLLOWING MEMBERS WERE PRESENT: **CHAIRMAN MICKEY KING, VICE CHAIRMAN TONY BEYER, RAY WAKEFIELD (called in), DONNIE MOSES. ABSENT: JOSEPH WARNER**

STAFF IN ATTENDANCE: TOMMY WHALEY, SUPERINTENDENT; TIM FARLOW, ASSISTANT SUPERINTENDENT; BOB RAMSEY, ENGINEER; CECILIA SPIVY, ATTORNEY; STACEY SHARPE, PROJECT COORDINATOR; GAYLE MILLER, SECRETARY.

OTHERS IN ATTENDANCE: MARSHALL COUNTY MAYOR MIKE KENY; JIM MARSHALL, JACKSON THORNTON; SARAH CHANDLER, JACKSON THORNTON; JEFF HAYNES

JIM MARSHALL WITH JACKSON THORNTON FINANCIAL ADVISORS PRESENTED A POWER POINT PRESENTATION TO THE BOARD OUTLINING OUR FINANCES NOW AND IN THE FUTURE (SEE ATTACHED PRESENTATION). JIM MARSHALL AND SARAH CHANDLER SPECIALIZE IN WATER AND SEWER UTILITIES. THEY LOOKED AT MCBPU'S CURRENT RATES TO DETERMINE IF THEY ARE SUFFICIENT. ON PAGE FOUR (4) OF THE POWER POINT, MR. MARSHALL POINTED OUT THE MAJORITY OF DEBT SERVICE DOES NOT EXIST. IT IS WHAT WE ARE LOOKING TO BORROW FOR THE WATER TREATMENT PLANT. HE EXPLAINED THE FIGURES ON THE POWER POINT AND THE AMOUNT OUR UTILITY NEEDS TO OPERATE THE WATER SYSTEM. NINETY-EIGHT PERCENT (98%) OF OUR CUSTOMERS ARE RESIDENTIAL AND COUNT FOR EIGHTY-EIGHT PERCENT (88%) OF OUR SALES. HE SAID OUR UTILITY IS IN A GOOD POSITION; WE ARE PLANNING AHEAD. IF WE WEREN'T CHANGING ANYTHING, OUR RATES WOULD BE FINE FOR A BRIEF TIME WHERE THEY ARE. WE ARE GETTING ABOUT EIGHTY-FIVE CENTS (\$.85) ON EVERY DOLLAR. WE HAVE A STRONG FINANCIAL FOOTING NOW BASED ON 2019 AUDIT. MR. MARSHALL RECOMMENDED OR WOULD LIKE THE BOARD TO CONSIDER A TWO (2) YEAR APPROACH TO REDUCE THE ONE THOUSAND (1,000) GALLONS THAT IS INCLUDED IN THE MINIMUM BILL. HE RECOMMENDED TO REDUCE THE GALLONS FROM ONE THOUSAND (1,000) TO FIVE HUNDRED (500) IN STEP ONE (1) AND STEP TWO (2) IS FIVE HUNDRED (500) TO ZERO (0) GALLONS. MCBPU WOULD NOT BE DOING A RATE INCREASE IT WOULD BE A RATE ADJUSTMENT. SLIDE 9 & 10 ILLUSTRATED THIS SCENARIO. EACH CUSTOMER IS COSTING THE UTILITY THIRTY DOLLARS (\$30.00). TWENTY DOLLARS (\$20.00) IS THE BASE CHARGE PER MONTH AND ONE THOUSAND (1,000) GALLONS IS INCLUDED IN THIS. THE FIRST ONE THOUSAND GALLONS (1,000) ARE INCLUDED IN THIS WHICH IS EIGHT DOLLARS (\$8.00) OUT OF THE TWENTY DOLLARS (\$20.00). THE NET CUSTOMER CHARGE IS TWELVE DOLLARS (\$12.00) PER MONTH AND IT COSTS THE UTILITY THIRTY DOLLARS (\$30.00).

THE PRESENTATION IS FOR OUR CURRENT CUSTOMER BASE AND DOES NOT INCLUDE ANY DETAILS FOR CHAPEL HILL WATER. THE SLIDES REPRESENT OUR CURRENT CUSTOMERS BEFORE WE HAVE A MERGER OR ACQUISITION WITH CHAPEL HILL. IF THE BOARD CONSIDERS AN ACQUISITION OR MERGER WITH CHAPEL HILL, WHAT IS THE COST; HOW MUCH WILL WE HAVE TO PAY, AND WHAT CONDITION IS THEIR SYSTEM IN? WHAT TYPE OF CAPITAL INVESTMENT WILL WE HAVE TO MAKE TO GET THEM TO OUR STANDARD? THESE ARE TWO (2) KEY THINGS TO CONSIDER.


HOW DO WE NEED TO STRUCTURE OUR GROWTH FOR THE PEOPLE BUILDING THE SUBDIVISIONS? WE NEED TO MAKE SURE GROWTH PAYS FOR GROWTH. LOOK AT IMPACT/DEVELOPMENT FEES AND MAKE SURE IT IS IN LINE WITH WHAT IT NEEDS TO BE. WE NEED TO LOOK AT THE FINANCIAL REPORTS EVERY COUPLE OF YEARS AND NEED TO HAVE AN ACTIVE RATE MANAGEMENT. MCBPU SHOULD WORK ON A CAPITAL OUTLAY PLAN

ADJOURNMENT:

WITH NO FURTHER BUSINESS TO DISCUSS, THE WORK SESSION WAS ADJOURNED.

RESPECTFULLY SUBMITTED:

APPROVED:



GAYLE MILLER, SECRETARY



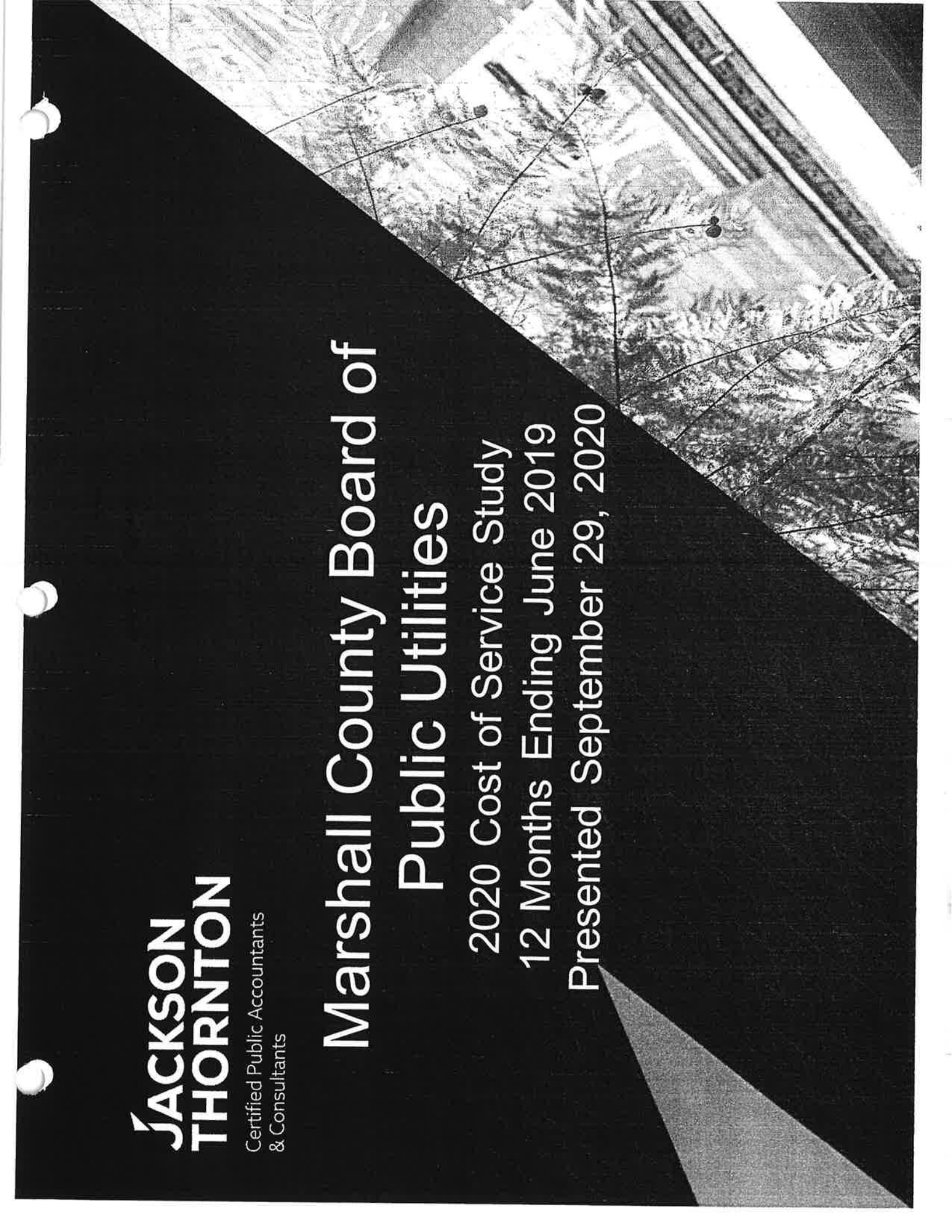
MICKEY KING, CHAIRMAN

**JACKSON
THORNTON**

Certified Public Accountants
& Consultants

Marshall County Board of Public Utilities

2020 Cost of Service Study
12 Months Ending June 2019
Presented September 29, 2020

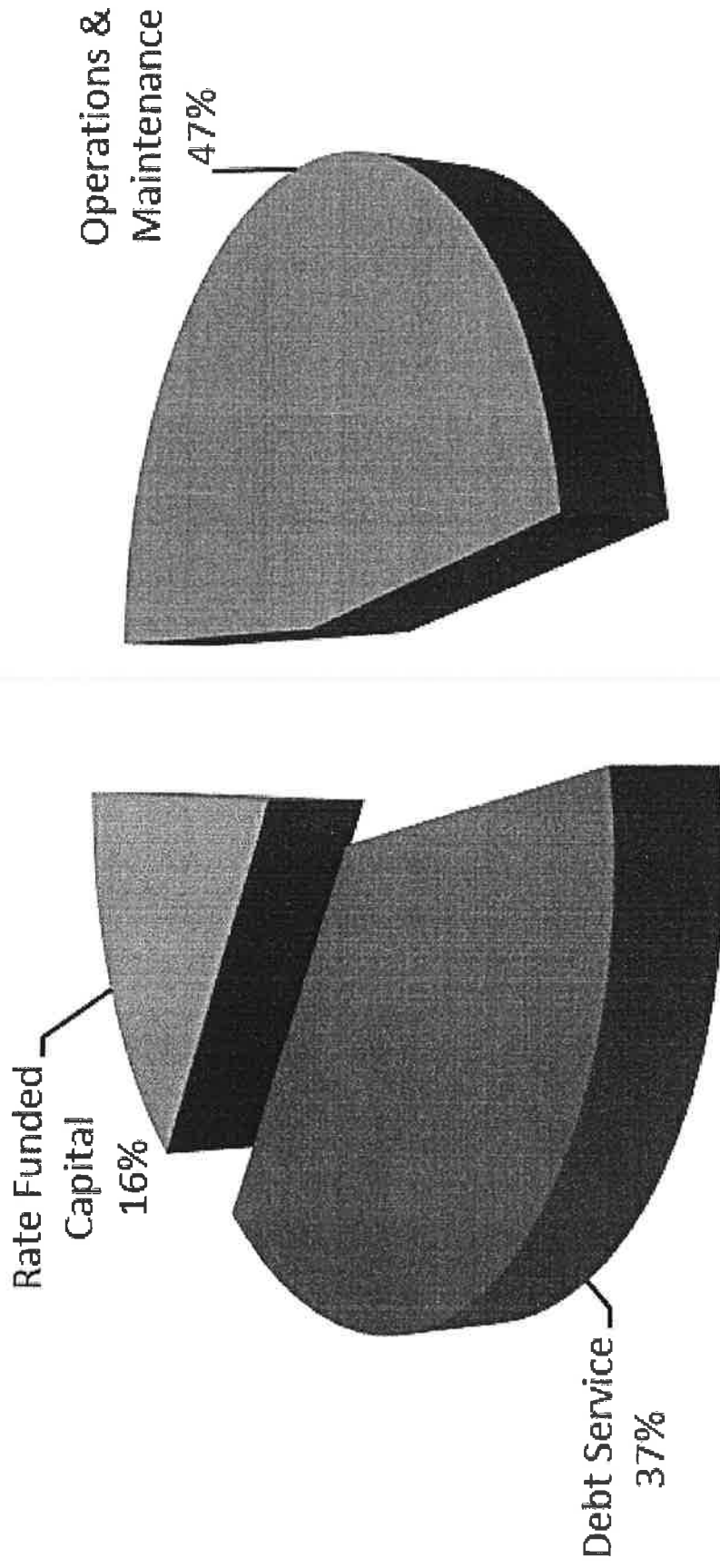


Overview of Process

1. Determine Revenue Requirements
 - How much does the system need to operate?
2. Develop Revenue Requirements by Rate Class
 - How much does the system need to recover by rate class?
3. Develop COS Rates and Design Acceptable Rates
 - How does the system best recover the needed revenues?
4. Implement Rate Changes

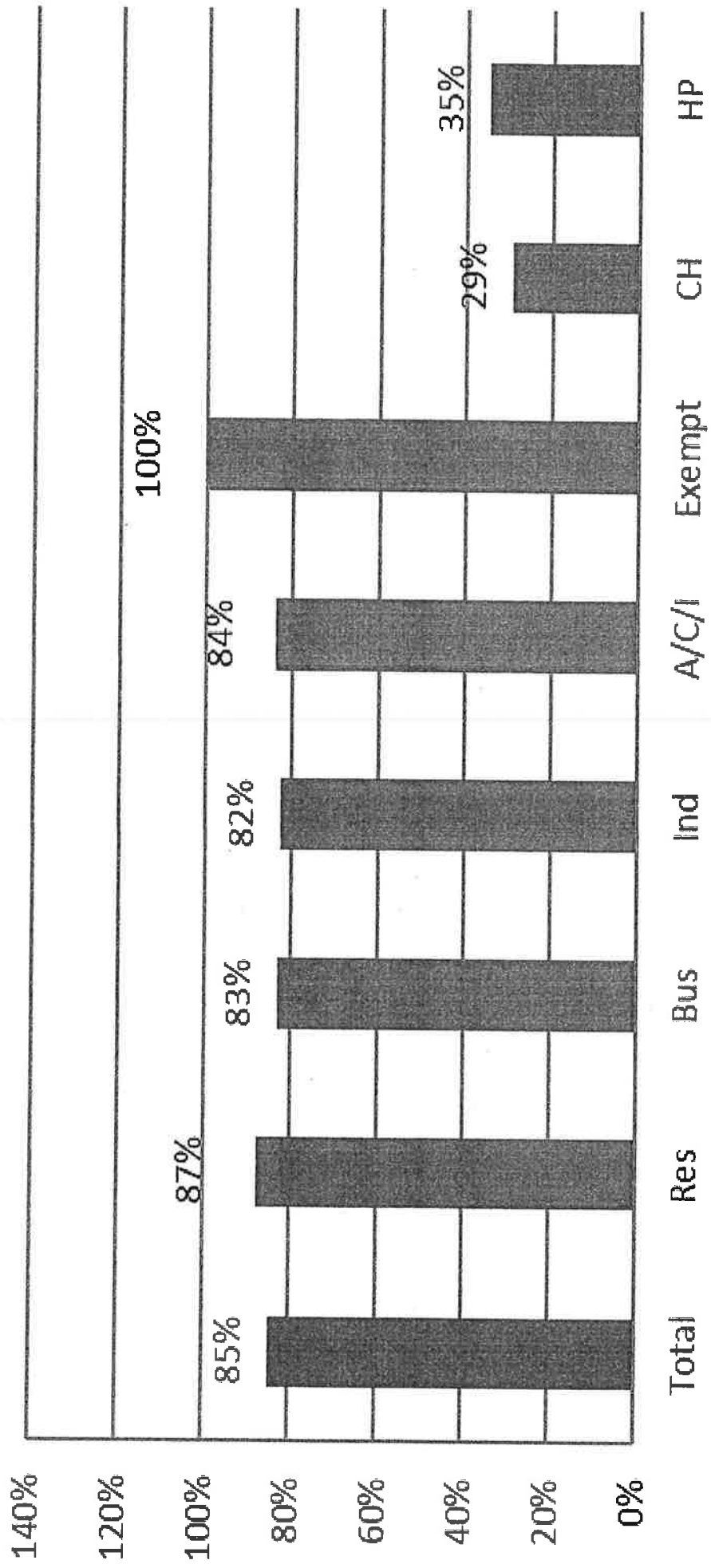
Components of Revenue Requirement

Revenue Requirement



Recovery By Class

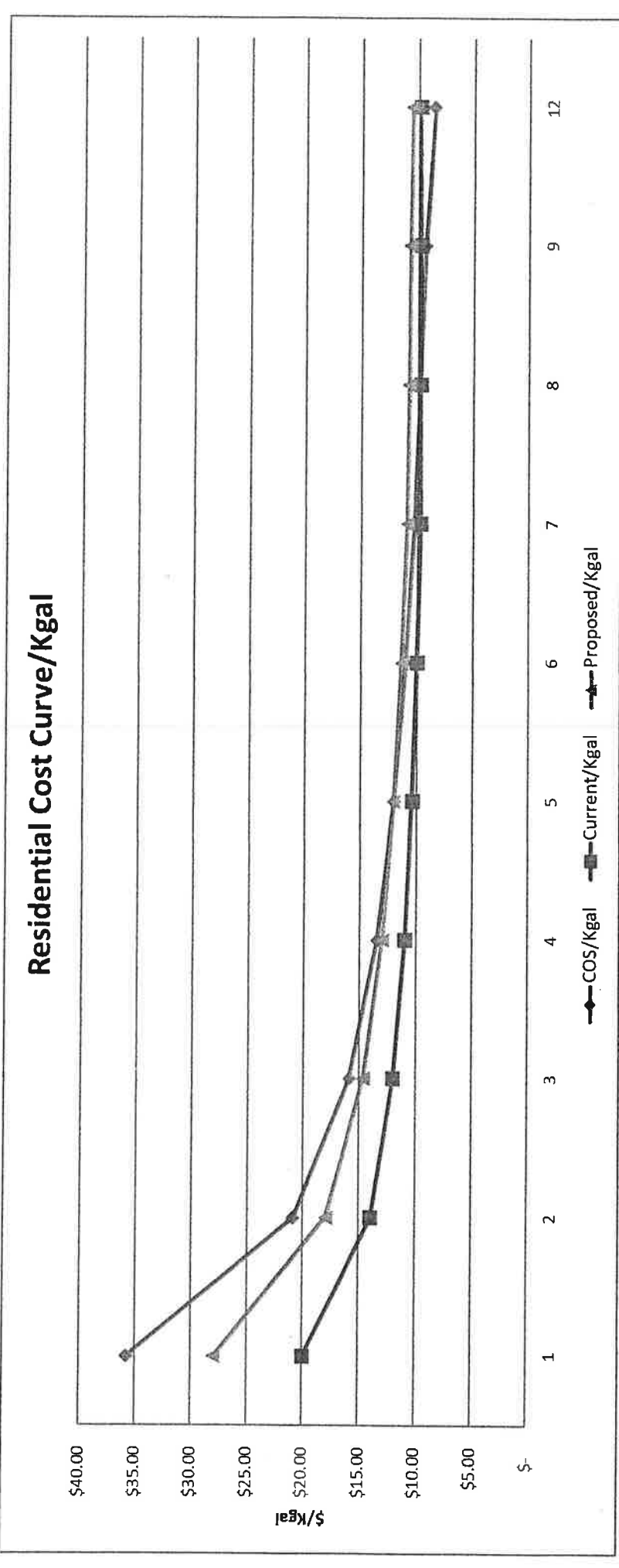
Recovery by Rate Class



	Total	Res	Bus	Ind	A/C/I	Exempt	CH	HP
Total Revenue	\$2,992,262	\$2,768,418	\$41,310	\$3,007	\$93,036	\$32,302	\$28,160	\$26,030
Over/(Under) Recovery	\$ (542,713)	\$ (398,427)	\$ (8,620)	\$ (644)	\$ (18,220)	\$ (97)	\$ (67,921)	\$ (48,785)

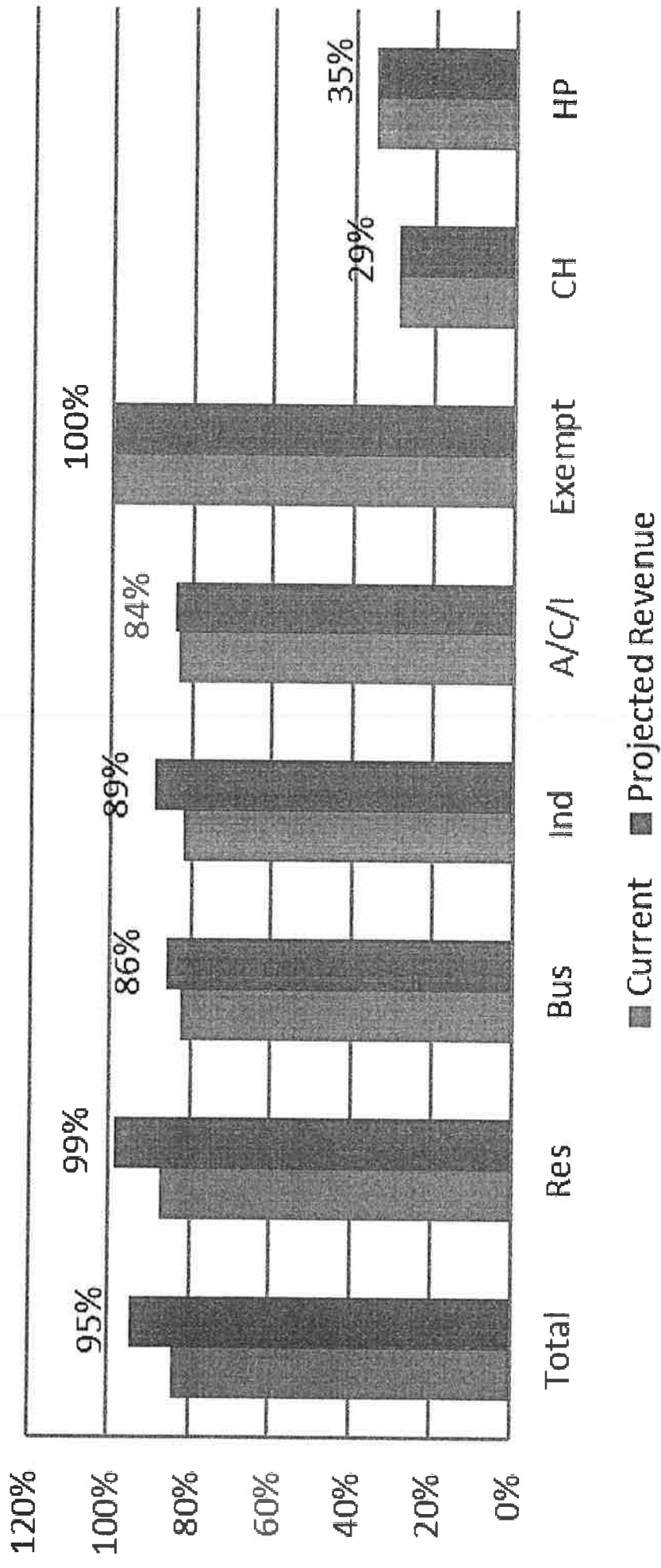
Residential Rate Curve – Full Implementation

	Cost of Service		Proposed	Difference
Base Charge (includes 1,000 gals)	\$	29.69	\$ 20.00	\$ -
1,001 - 6,999 gals	\$	6.04	\$ 8.00	\$ -
7,000 - 12,000 gals	\$		\$ 10.00	\$ -
Over 12,000 gals	\$		\$ 15.00	\$ -



Projected Recovery – Full Retail Implementation

Projected Recovery by Rate Class



MARSHALL COUNTY BOARD OF PUBLIC UTILITIES

**Work Session
September 29, 2020
10:00 A.M.**

I. CALL TO ORDER

Financial Advisor Presentation

II. ADJOURNMENT

The Marshall County Board of Public Utilities will meet for a presentation with Financial Advisor, Jim Marshall, with Jackson Thornton Tuesday, September 29, 2020 at 10:00 a.m. The meeting will be held at Marshall County Board of Public Utilities Conference Room at 624 West Commerce St., Lewisburg, TN

Not Ran in newspaper. See attached.

Re: Proof of Legal ad on Work Session

Gayle Miller <gmiller@marshallcountyttn.com>

Tue 9/29/2020 8:39 AM

To: Patty Blackburn <clerk@marshalltribune.com>

Patty

What page is the meeting notice on for our work session for 9/29/20?

*Gayle Miller
Office Manager
Marshall County Board
of Public Utilities*

From: Patty Blackburn <clerk@marshalltribune.com>

Sent: Thursday, September 17, 2020 12:55 PM

To: Gayle Miller <gmiller@marshallcountyttn.com>

Subject: Proof of Legal ad on Work Session

The price to run Sept 24 is \$15.98.

Patty Blackburn
Marshall County Tribune
931-359-1188

Re: Meeting Notice

Gayle Miller <gmiller@marshallcountyttn.com>

Thu 9/17/2020 12:23 PM

To: Briefs Notices <briefs.notices@marshalltribune.com>

Yes, please! Can you give me the approximate price?

*Gayle Miller
Office Manager
Marshall County Board
of Public Utilities*

From: Briefs Notices <briefs.notices@marshalltribune.com>

Sent: Thursday, September 17, 2020 12:17 PM

To: Gayle Miller <gmiller@marshallcountyttn.com>

Subject: Re: Meeting Notice

Do you want this to be a paid legal ad?

Patty Blackburn
931-359-1188

From: Gayle Miller <gmiller@marshallcountyttn.com>

Sent: Thursday, September 17, 2020 11:10 AM

To: Briefs Notices <briefs.notices@marshalltribune.com>

Subject: Meeting Notice

Please run the attached meeting notice in Thursday, September 24, 2020 edition of the Marshall Co. Tribune.

Thank you
*Gayle Miller
Office Manager
Marshall County Board
of Public Utilities*

Meeting Notice

Gayle Miller <gmill@marshallcountyttn.com>

Thu 9/17/2020 11:13 AM

To: WJIM <wjim@wjim.com>

📎 1 attachments (52 KB)

Work Session agenda-September 29, 2020.docx

Please advertise the attached meeting in your meeting notices.

Thank you

Gayle Miller

Office Manager

Marshall County Board

of Public Utilities

**MARSHALL COUNTY PUBLIC UTILITIES
624 WEST COMMERCE ST
LEWISBURG, TN 37091
(931) 359-6905**

THE MARSHALL COUNTY BOARD OF PUBLIC UTILITIES WATER RATES
EFFECTIVE JUNE 1, 2018
RESIDENTIAL WATER RATES ARE AS FOLLOWS:

0-1000 GALLONS.....	\$20.00
1001 TO 6999 GALLONS.....	\$8.00/1000 GALLONS
7000 TO 12,000 GALLONS.....	\$10.00/1000 GALLONS
OVER 12,000 GALLONS.....	\$15.00/1000 GALLONS

Board approved this rate increase on May 15, 2018 in our regular monthly board meeting.

AGRICULTURAL/COMMERCIAL/INDUSTRIAL
WATER RATES ARE AS FOLLOWS:

0-1,000 GALLONS.....	\$20.00
Over 1,000 GALLONS.....	\$10.00 per 1,000 GALLONS

Board approved in the August 21, 2018 regular monthly board meeting

In accordance with Federal law and U.S. Department of Agriculture policy, Marshall County Public Utilities is prohibited and therefore does not discriminate on the basis of race, color, national origin, sex, age, or disability. Marshall County Public Utilities is an equal opportunity provider and employer, and will not exclude nor discriminate in the contractual bidding process.

**MARSHALL COUNTY PUBLIC UTILITIES
624 WEST COMMERCE ST
LEWISBURG, TN 37091
(931) 359-6905**

THE MARSHALL COUNTY BOARD OF PUBLIC UTILITIES WATER RATES
EFFECTIVE AUGUST 1, 2016 BILLING
THE WATER RATES ARE AS FOLLOWS:

0-1000 GALLONS.....	\$20.00
OVER 1000 TO 24,999 GALLONS.....	\$8.00/THOUSAND
OVER 25,000 GALLONS.....	\$10.00/THOUSAND

In accordance with Federal law and U.S. Department of Agriculture policy, Marshall County Public Utilities is prohibited and therefore does not discriminate on the basis of race, color, national origin, sex, age, or disability. Marshall County Public Utilities is an equal opportunity provider and employer, and will not exclude nor discriminate in the contractual bidding process.

**MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS
MARSHALL COUNTY BOARD OF PUBLIC UTILITIES
OCTOBER 20, 2020**

“THIS INSTITUTION IS AN EQUAL OPPORTUNITY PROVIDER AND EMPLOYER”

THE BOARD OF DIRECTORS OF THE MARSHALL COUNTY BOARD OF PUBLIC UTILITIES HELD THEIR REGULAR MONTHLY MEETING ON OCTOBER 20, 2020 AT 9:00 A.M. IN THE DOUG ROGERS BOARD ROOM AT 624 WEST COMMERCE ST. THE FOLLOWING MEMBERS WERE PRESENT: **CHAIRMAN MICKEY KING, VICE CHAIRMAN TONY BEYER, JOSEPH WARNER, RAY WAKEFIELD, AND DONNIE MOSES**

STAFF IN ATTENDANCE: TOMMY WHALEY, SUPERINTENDENT; TIM FARLOW, ASSISTANT SUPERINTENDENT; CECILIA SPIVY, ATTORNEY; BOB RAMSEY, ENGINEER; STACEY SHARPE, PROJECT COORDINATOR; GAYLE MILLER, SECRETARY

OTHERS: MATTHEW TUCKER, JAMES C HAILEY; LORI FISHER, SCTDD, JEANA MILLS, SCTDD, JEFF HAYNES, JEREMY LEE

CHAIRMAN KING CALLED THE MEETING TO ORDER AND WELCOMED VISITORS.

APPROVAL OF MINUTES:

- CHAIRMAN KING ENTERTAINED A MOTION FOR THE APPROVAL OR DISAPPROVAL OF THE MINUTES OF THE MONTHLY BOARD MEETING ON SEPTEMBER 15, 2020 AND THE WORK SESSION ON SEPTEMBER 29, 2020. **RAY WAKEFIELD MADE THE MOTION TO APPROVE THE MINUTES OF SEPTEMBER 15, 2020 AND SEPTEMBER 29, 2020. DONNIE MOSES SECONDED THE MOTION. HEARING NO FURTHER DISCUSSION, CHAIRMAN KING CALLED FOR A VOTE. VOICES VOTE ALL AYES. MOTION CARRIES.**

CHAIRMAN KING RECOGNIZED LORI FISHER, SCTDD, TO DISCUSS THE CDBG PROJECT. SHE STATED WE ARE GETTING CLOSE TO THE END OF THE CDBG PROJECT. MOST PROJECTS WITHHOLD A FIVE (5) PERCENT RETAINAGE BY THE STATE. THERE HAS BEEN SOME CONCERN ABOUT THE CONTRACTOR GOING OVER THE COMPLETION DATE. A CHANGE ORDER HAS BEEN SUBMITTED TO THE STATE IDENTIFYING WEATHER DELAY DAYS OF TWENTY-EIGHT (28) AND THE STATE HAS APPROVED THE EXTENSION OF TWENTY-EIGHT (28) DAYS. THIS ADJUSTS THE COMPLETION DATE TO JULY 5, 2020. THE CONTRACT SHOWS SIX HUNDRED DOLLARS (\$600.00) PER CALENDAR DAY FOR LIQUIDATED DAMAGES. THE WAY THE STATE LOOKS AT THIS FOR MCBPU TO APPLY LIQUATED DAMAGES, WE HAVE TO SHOW WHAT OUR MONETARY DAMAGES ARE. INSPECTIONS HAVE GONE OVER AND MAKE UP THE MAJORITY AND THIS WAS NOT IN THE BUDGET. THE MONEY FOR INSPECTION RAN OUT IN APRIL 2020. FORTY-EIGHT THOUSAND DOLLARS (\$48,000.00) IS THE AMOUNT STACEY FIGURED. BOB FIGURED HIS DIFFERENTLY. HE ASSUMED THE CHANGE ORDER IS PASSED BY THE BOARD AND THE CHANGE ORDER WOULD CHANGE THE COMPLETION DATE TO JULY 5, 2020. HE FIGURED THE COST FROM JULY 6, 2020

A BALANCE, WE CAN GO AFTER THE PERFORMANCE BOND. BASED ON ACTIONS BY THE BOARD, WE NEED TO SEND HIM NOTIFICATION OF THE BOARD'S INTENTION UNTIL THE PROJECT IS COMPLETED. THE CONTRACTOR HAS NOT SIGNED THE CHANGE ORDER. **HEARING NO FURTHER DISCUSSION, CHAIRMAN KING CALLED FOR A VOTE. VOICES VOTE ALL AYES. MOTION CARRIES 5/0.** LORI EXPLAINED TO THE BOARD WHAT WE NEED TO DO ONCE WE CLOSE OUT THE PROJECT. WHEN WE APPLIED FOR THE GRANT, WE HAD A PUBLIC MEETING AND WE ARE REQUIRED TO HAVE A PUBLIC MEETING AT THE END OF THE PROJECT. THE PUBLIC MEETING IS FOR ANYONE THAT HAS CONCERNS ABOUT THE WAY THEIR DRIVEWAY OR YARD LOOKS. THE CONTRACTOR HAS A ONE (1) YEAR WARRANTY. THERE ARE CLOSE OUT DOCUMENTS THAT NEED TO TAKE PLACE. THE COUNTY MAYOR HAD MENTIONED APPLYING AGAIN AND THE DEADLINE IS IN FEBRUARY. WE NEED TO GET STARTED NEXT MONTH. SHE ASKED THE BOARD IF THIS WAS SOMETHING THEY WANTED TO CONSIDER.

ATTORNEY:

- CECILIA SENT ANOTHER EMAIL YESTERDAY TO THE STATE FOR THE TWO (2) EASEMENTS THAT HAVE NOT BEEN SIGNED BUT HAS NOT RECEIVED ANYTHING BACK EXCEPT A READ RECEIPT FROM A GENTLEMAN IN BELFAST WHO OPENED THE EMAIL REGARDING FARMINGTON.
- SHE HAS HAD NO RESPONSE FROM CHAPEL HILL'S ATTORNEY TODD MOORE REGARDING THE PROJECT OR THE PURCHASE AGREEMENT.
- MIKE TANKERSLEY IS OUT OF TOWN THIS WEEK AND CECILIA HAS NOT GOTTEN AN UPDATE ON THE THREE (3) EASEMENTS FOR CONDEMNATION.

SUPERINTENDENT:

- DAVID ROBINSON INSTALLED ONE THOUSAND ONE HUNDRED SIXTY-TWO FEET AND EIGHTY-TWO INCHES (1,162.82) OF WATERLINE ON YELL ROAD FROM HIGHWAY 129. TOMMY PRESENTED DAVID'S COST FOR INSTALLING THE LINE VS WHAT THE MATERIALS WOULD HAVE COST THE UTILITY (see attached). TOMMY EXPLAINED TO THE BOARD HOW HE FIGURED THE COST AND HAS FIGURED A COST DIFFERENCE OF TWO THOUSAND ONE HUNDRED EIGHTY-ONE DOLLARS AND THIRTY-FOUR CENTS (\$2,181.34). DAVID IS OVER WHAT WE RECOVERED FROM TAP FEES AND CAPACITY FEES. THE PROJECT IS COMPLETE AND HE HAS INSTALLED EIGHT (8) TAPS, AND HE HAS MONEY LEFT FROM THE TAP CREDIT. THE BOARD'S MOTION WAS THE TAPS ARE FOR THE YELL ROAD PROJECT AND COULD NOT BE USED ON ANY OTHER PROJECT. DAVID WOULD LIKE TO MOVE SOME OF THE TAPS TO ANOTHER LOCATION. HE HAS BOUGHT PROPERTY ON JOHN ALLEN ROAD AND ASKED TOMMY IF HE COULD USE HIS TAP CREDIT THERE. THE BOARD DOES NOT NEED TO MAKE A DECISION, BUT TOMMY WANTED THE BOARD TO BE AWARE OF THIS IF DAVID COMES TO A BOARD MEETING.
- PERMIT APPLICATION UPDATE- OUR PUBLIC NOTICE/COMMENT PERIOD STARTED ON THURSDAY, OCTOBER 15, 2020. IT HAS BEEN PUBLISHED IN THE PAPER, AND THE STATE REQUIRED SIGN IS ON THE PROPERTY ON VERONA CANEY ROAD. THE PUBLIC NOTICE PERIOD IS THIRTY (30) DAYS AND RUNS THROUGH FRIDAY, NOVEMBER 13, 2020.

- CHAPEL HILL WATER- TOMMY ASKED IF THE BOARD IS CONSIDERING PURCHASING CHAPEL HILL WATER. DO WE NEED TO HAVE ENGINEERS INSPECT THEIR SYSTEM FOR THE AGE, INVENTORY, LIFE EXPECTANCY, WHAT NEEDS TO BE UPGRADED IN THE FUTURE, AND HOW SOON IN THE FUTURE BEFORE MONEY NEEDS TO BE SPENT? WE NEED A DOLLAR AMOUNT ON THEIR SYSTEM. WITH THE INFORMATION FROM THE ENGINEERS, THE BOARD CAN MAKE AN INFORMED DECISION TO NEGOTIATE A PURCHASE PRICE WITH CHAPEL HILL WATER. THE UTILITY WILL PARTNER WITH CHAPEL HILL TO PAY FOR THE INSTALLATION OF THE WATERLINE FROM POWELL LANE TO CHAPEL HILL AT AN APPROXIMATE COST OF ONE MILLION DOLLARS (\$1,000,000.00). WE COULD NEGOTIATE THIS COST WITH THEM TOWARD THE PURCHASE. THE UTILITY WOULD FINANCE THAT SYSTEM BY ITSELF AND THE IT WOULD PAY FOR ITSELF. WILL WE NEED TO ADD EMPLOYEES IF WE PURCHASE CHAPEL HILL? WE WILL NEED A COUPLE OF EMPLOYEES TO RUN THE WATER PLANT. WE NEED TWO (2) GRADE FOUR (4) OPERATORS TO OPERATE THE PLANT. THE CHAPEL HILL PLANT COULD BE SHUT DOWN WHEN WE HAVE OUR NEW PLANT ONLINE. WE COULD USE CHAPEL HILL PLANT IF TDEC PUTS FLOW CONSTRAINTS ON THE RIVER. TDEC IS PUSHING HARD FOR THE WITHDRAWAL PERMITS FOR EVERY UTILITY. CHAPEL HILL HAS APPROXIMATELY SEVEN HUNDRED FIFTY (750) CUSTOMERS. WE NEED TO FIND OUT THE NUMBER OF NEW CUSTOMERS THEY ARE ANTICIPATING WITH THE NEW SUBDIVISIONS BEING BUILT. **JOSEPH MADE THE MOTION TO APPROVE THE ENGINEERS TO ASSESS CHAPEL HILL WATER. DONNIE MOSES SECONDED THE MOTION. HEARING NO FURTHER DISCUSSION, CHAIRMAN KING CALLED FOR A VOTE. VOICES VOTE ALL AYES. MOTION CARRIES 5/0.** WE NEED TO KNOW, IF WE TAKE THEIR PLANT OFFLINE, WHAT WOULD BE REQUIRED TO MAINTAIN THE PLANT, AND WHAT TAKING THEIR SYSTEM WOULD DO TO OUR SYSTEM. WOULD IT TAX OUR SYSTEM, AND THE PROS AND CONS FOR TAKING CHAPEL HILL WATER. HOW IT WOULD BENEFIT US AND WHAT WOULD NOT BE BENEFICIAL TO OUR UTILITY.

ENGINEER: REPORTED WITH LORI SCTDD

OFFICE MANAGER: NO REPORT

NEW BUSINESS:

- ELECTION OF OFFICERS: CHAIRMAN KING OPENED THE FLOOR FOR NOMINATIONS FOR CHAIRMAN. **RAY WAKEFIELD MADE THE MOTION TO RE-ELECT MICKEY KING. TONY BEYER SECONDED THE MOTION. TONY BEYER MADE THE MOTION THAT NOMINATIONS CEASE. JOSEPH WARNER SECONDED THE MOTION. CHAIRMAN KING CALLED FOR A VOTE. VOICES VOTE ALL AYES. MOTION CARRIES.** CHAIRMAN KING OPENED THE FLOOR FOR NOMINATIONS FOR VICE CHAIRMAN. **RAY WAKEFIELD NOMINATED TONY BEYER. DONNIE MOSES SECONDED THE MOTION. JOSEPH WARNER MADE A MOTION TO CEASE NOMINATIONS. DONNIE SECONDED THE MOTION. CHAIRMAN KING CALLED FOR A VOTE. VOICES VOTE ALL AYES.** CHAIRMAN KING OPENED THE FLOOR FOR SECRETARY NOMINATIONS. **RAY WAKEFIELD MADE A**

Also added to all new tap fees there will be a \$50.00 service charge which is nonrefundable.

Fire Protection: Marshall County Board of Public Utilities does not Guarantee Fire Protection at any time, place or on any part of our water system. The fire hydrants are used to flush the water system and can only be used by fire departments to refill their tanker trucks only. Fire departments are not allowed to hook a hard suction fire line to any fire hydrant and pump water from it using a pumper truck.

Other Fees:

Nonrefundable Connection Fee:	\$ 50.00 per connection
Service Call Fee Regular Hours:	\$ 35.00 per call
Service Call Fee After Hours:	\$ 45.00 per call
Meter Replacement:	\$ 60.00 per meter or current cost
Meter Riser Resetter:	\$ 80.00 per reset or current cost
Theft Service:	\$150.00 per event (metered water w/no water service contract)
Returned Check Service Fee:	\$ 30.00 per returned check
Reconnection Fee:	\$ 40.00 per reconnect
Cut Lock Fee:	\$ 50.00 per cut lock+ Tampering Fee or Theft of Service
Tampering Fee (Water Theft):	\$250.00 per occurrence
Late Payment Fee:	10.0% of water service
Meter Box & Lid Change out:	\$ 60.00 per box & lid or current cost
Meter Box Lid Change out:	\$ 25.00 per lid or current cost
Destruction of Property:	Cost of Equipment Replacement + Tampering Fee
Deposit- homeowners/renters:	\$100.00 per connection
Tap Installment Fee:	\$ 10.00 per month (tap on credit)
Credit Card Fee:	\$ Credit Card Company adds fee
Sewer Connection Fee:	\$750.00 per connection
Capacity Fee:	\$ 1,000.00 per tap

Note: All Fees are Subject to Change Without Notice.
(Due to the changing prices of all materials used)

Fire Protection: Marshall County Board of Public Utilities does not Guarantee Fire Protection at any time, place or on any part of our water system. The fire hydrants are used to flush the water system and can only be used by fire departments to refill their tanker trucks only. Fire departments are not allowed to hook a hard suction fire line to any fire hydrant and pump water from it using a pumper truck.

Other Fees:

Nonrefundable Connection Fee:	\$ 50.00 per connection
Service Call Fee Regular Hours:	\$ 35.00 per call
Service Call Fee After Hours:	\$ 45.00 per call
Meter Replacement:	\$ 60.00 per meter or current cost
Meter Riser Resetter:	\$ 80.00 per reset or current cost
Theft Service:	\$150.00 per event (metered water w/no water service contract)
Returned Check Service Fee:	\$ 30.00 per returned check
Reconnection Fee:	\$ 40.00 per reconnect
Cut Lock Fee:	\$ 50.00 per cut lock+ Tampering Fee or Theft of Service
Tampering Fee (Water Theft):	\$250.00 per occurrence
Late Payment Fee:	10.0% of water service
Meter Box & Lid Change out:	\$ 60.00 per box & lid
Meter Box Lid Change out:	\$ 25.00 per lid or current cost
Destruction of Property:	Cost of Equipment Replacement + Tampering Fee
Deposit- homeowners/renters:	\$100.00 per connection
Tap Installment Fee:	\$ 10.00 per month
Credit Card Fee:	\$ Credit Card Company adds fee
Sewer Connection Fee:	\$750.00 per connection (bd approved 6/8/17)

***Note: All Fees are Subject to Change Without Notice.
(Due to the changing prices of all materials used)***

4. c. **Tap fees** are calculated using cost of materials, labor hours, equipment hours, tank maintenance, line maintenance, pump maintenance.

Service Call Fee After Hours set by board to be a reasonable cost for the utility if the technician incurs overtime to assist customer.

Service Call Fee Regular Hours reasonable cost for the utility to send a technician to assist a customer during normal working hours for anything on the customers side of the meter.

Meter Replacement the current cost to replace the meter if the utility replaces a customer's meter due to their negligence such as leaving the meter box open and meter freezing and busting.

Meter Riser Resetter charged to the customer at the current cost if the utility must replace.

Theft of Service metered water w/no water service contract.

Returned Check Service Fee cost charged to customer per returned check

Reconnection fees set by the board to be a reasonable cost for the technician to reconnect the water after disconnection due to non- payment.

Cut Lock Fee This is charged in addition to the Tampering Fee or Theft of Service

Tampering Fee (Water Theft) is charge per occurrence

Late Payment Fee shows as the "after due date" amount on bill

Meter Box & Lid Change out current cost charges if the utility replaces the meter box or lid due to the customers negligence.

Destruction of Property charge to the customer at current cost to replace equipment. The tampering fee will be charged in addition.

Deposit charged for all service connections when application is made with water service contract. This charge stays on customer's account until the account is closed. It is applied to their final bill.

Nonrefundable Connection Fee application fee charged to all customers with water service contract.

Tap Installment Fee is charged when a customer is paying for a tap on credit. The customer pays the initial payment, and the balance of the tap is billed over twelve (12) months plus the tap installment fee.

Credit card Fee is a percentage of a customer's bill that is charge by the credit card company.

Sewer Connection Fee a fee set by the board to cover cost associated with the sewer plants.

Capacity Fee a fee set by the board for to fund the upgrade of infrastructure due to the growth in the county.

MARSHALL COUNTY
TENNESSEE

DEBT MANAGEMENT POLICY

Prepared by:
GUARDIAN ADVISORS, LLC
Adopted by Budget Committee, October 20, 2011
Adopted by Marshall County Commission, October 24, 2011

Marshall County is an equal opportunity employer and provider.

Introduction

Debt Management Policies are written guidelines and restrictions that affect the amount and type of debt issued by a state or local government, the issuance process, and the management of a debt portfolio. A debt management policy improves the quality of decisions, provides justification for the structure of debt issuance, identifies policy goals, and demonstrates a commitment to long-term financial planning, including a multi-year capital plan. Adherence to a debt management policy signals to rating agencies and the capital markets that a government is well managed and should meet its obligations in a timely manner.

Debt levels and their related annual costs are important long-term obligations that must be managed within available resources. An effective debt management policy provides guidelines for a government to manage its debt program in line with those resources.

Since the guidelines contained in the Policy require regular updating in order to maintain relevance and to respond to the changes inherent in the capital markets, the County plans to revisit the Policy from time to time. (see paragraph 16)

5. Credit Quality and Credit Enhancement *The County's debt management activities will be conducted in order to receive the highest credit rating(s) possible, consistent with the county's financing objectives. The County Mayor and Director of Accounts and Budgets will be responsible for maintaining relationships and communicating with the rating agencies that assign ratings to the County's debt. The County shall prepare presentations to the rating agencies to assist credit analysts in making an informed decision.*

The County Mayor , Director of Accounts and Budgets, and/or Municipal Advisor will provide a credit presentation to the County Commission, explaining any current or recent rating applied for, rating agency views on the County's performance and current items which may adversely or positively affect the County's credit rating.

The County will consider the use of credit enhancement on a case by case basis, evaluating the economic benefit versus cost for each case. Nothing shall prevent the County to apply for Bond Insurance for any issue.

(A) Bond Insurance - The County may purchase bond insurance when such purchase will result in a lower true interest costs taking into account the bond insurance premium for negotiated sales. For competitive sales, the County Mayor or Director of Accounts and Budgets shall determine if Bond Insurance will be applied for, and if available, the purchaser of the bonds will determine whether bond insurance will be used.

The County will solicit quotes for bond insurance from interested providers, or in the case of a competitive sale will either apply for bond insurance, or allow bidders to request insurance. In a negotiated sale the County will select a provider whose bid is cost-effective and whose terms and conditions governing the guarantee are satisfactory to the County. The winning bidder in a competitive sale will determine the provider of bond insurance.

6. Debt Affordability

The ratios and standards identified in Exhibit A are intended to provide guidelines which permit and facilitate long-term access to capital while ensuring that financial leveraging decisions do not negatively impact the County's financial operations. The County shall consider the ability to repay debt as it relates to net debt per capita, net debt to assessed value, and ratio of debt expenditures as a percentage of total expenditures.

7. Bond Structure

The County shall establish all terms and conditions relating to the issuance of bonds, notes and other obligations and will invest proceeds pursuant to the terms of the resolution authorizing the issuance of the debt in compliance with applicable State law and to the extent the issue is tax-exempt with Federal tax laws and regulations governing their issuance. Unless otherwise authorized by the County, the following shall serve as the Policy for determining structure:

- (a) Term - All capital improvements financed through the issuance of debt will be financed for a period not to exceed the useful life of the improvements, and in consideration of the ability of the County to absorb*

2. Revenue Bonds - Are supported only with revenues generated from specifically designated sources. Revenue Bonds will be issued for capital projects which can be supported from project or enterprise fund related revenues.

9. Duration

Long-Term Debt (maturing after 3 years)

The County may issue long-term debt where it is deemed that capital improvements should not be financed from current revenues or short-term borrowings. Long-term debt will be structured in such a way that financial obligations do not exceed the expected economic life of the project(s).

(a) BONDS will be only be issued in fixed rate mode for projects with an economic life in excess of three years or greater

(b) NOTES may be issued to for projects with an economic life of three to twelve years

Short-Term Debt (maturing within three years)

Short-Term borrowing may be utilized for the construction period of a long-term project or for the temporary funding of operational cash flow deficits or anticipated revenues (defined as an assured source with the anticipated amount based on conservative estimates) subject to the following policies:

(a) Bond Anticipation Notes (BANS) may be issued instead of capitalizing interest to reduce the debt service during the construction period of a project or facility. BAN's shall be issued according to state and federal law and shall not mature more than two years from the date of issuance.

(b) Revenue Anticipation Notes (RAN'S) & Tax Anticipation Notes (TAN'S) shall be issued only to meet cash flow needs consistent with a finding that the sizing of the issue fully conforms to Federal IRS regulations as well as state requirements and limitations.

(c) Capital Outlay Notes shall be considered to finance projects with a useful life of twelve years or less.

(d) Intrafund Loans shall only be used to fund operational deficiencies among accounts or for capital projects to be paid from fiscal year revenues. Such intrafund loans shall in no event extend beyond (12) months and shall only be issued in compliance with state regulations and limitations.

(e) Other Short-term Debt may be used when it provides an interest rate advantage or as interim financing until market conditions are more favorable to issue debt in a fixed rate mode. The County will determine and utilize the least costly method for short-term borrowing. The County may issue shortterm debt when there is a defined repayment source or amortization of principal.

2. *Negotiated Sale - The County recognizes that some issues are best sold through negotiation when permitted under State law. In its consideration of a negotiated sale, the County shall assess the following circumstances:*
 - *Timing the sale.*
 - *A structure which may require a strong pre-marketing effort for a complex transaction.*
 - *Size of the issue which may limit potential bidders.*
 - *Market volatility is such that the County would be better served by flexibility in timing a sale.*
 - *If the issue is a variable rate demand obligation (if allowed).*
 - *Whether an idea or financing structure is a proprietary product of a single firm.*
3. *Private Placement – From time to time the County may elect to privately place its debt. Such placement shall only be considered if this method is demonstrated to result in a costs savings to the County relative to other methods of debt issuance.*

13. *Underwriter Selection (Negotiated Sale)*

The County Mayor or Director of Accounts and Budgets, in consultation with the Municipal Advisor, shall evaluate each refunding opportunity and select an underwriter/lender which will meet the objectives in the plan of refunding. The Director of Accounts and Budgets shall provide a report to the Board of County Commissioners after each sale.

The County Mayor, Director of Accounts and Budgets, and/or Budget Committee, in consultation with the Municipal Advisor, shall select a senior manager for a proposed negotiated sale. The selection criteria shall include but not be limited to the following:

- *Ability and experience of the firm in managing similar transactions. □ Prior knowledge and experience with the County.*
- *The firms willingness to risk capital and demonstration of such risk □ Quality and experience of personnel assigned to the County's engagement. □ Financing ideas presented.*
- *Underwriting fees.*

The underwriter must clearly identify itself to the County in writing (e.g., in a response to a request for proposals or in promotional materials provided to the County) as an underwriter and not as a financial or municipal advisor from the earliest stages of its relationship with the County with respect to that issue. The underwriter must clarify its primary role as a purchaser of securities in an arm's-length commercial transaction and that it has financial and other interests that differ from those of the County. The underwriter in a publicly offered, negotiated sale shall be required to provide pricing information both as to interest rates and to takedown per maturity to the Director of Accounts and Budgets in advance of the pricing of the debt.

14. *Municipal Advisor*

In lieu of the County Mayor, Director of Accounts and Budgets, and/or Budget Committee being primarily responsible for debt management and issuance, the County may select a Municipal Advisor (Advisor) to assist in its debt issuance and debt administration

16. Debt Policy Review
The Debt Policy guidelines outlined herein are only intended to provide general direction regarding the future use and execution of debt. The County maintains the right to modify these guidelines and may make exceptions to any of them at any time to the extent that the execution of such debt achieves the County's goals.

This Policy will be reviewed no less frequently than annually. At that time the County Commission will consider any recommendations for any amendments, deletions, additions, improvements, or clarification.

17. Disclosure of Costs
The County requires all professionals engaged to assist in the process of issuing debt to clearly disclose all compensation and consideration received related to services provided in the debt issuance process by the County in a timely manner. This includes "soft" costs or compensations in lieu of direct payments.

18. Potential Conflicts of Interest
Professionals involved in a debt transaction hired or compensated by the County shall be required to disclose existing client and business relationships between and among the professionals to a transaction (including but not limited to financial advisor, swap advisor, bond counsel, swap counsel, trustee, paying agent, underwriter, counterparty, and remarketing agent), as well as conduit issuers, sponsoring organizations and program administrators. This disclosure shall include that information reasonably sufficient to allow the County to appreciate the significance of the relationships. Professionals who become involved in the debt transaction as a result of a bid submitted in a widely and publicly advertised competitive sale conducted using an industry standard, electronic bidding platform are not subject to this disclosure. No disclosure is required that would violate any rule or regulation of professional conduct.

19. Transparency
The County shall comply with the Tennessee Open Meetings Act, providing adequate public notice of meetings. Additionally, in the interest of transparency, all costs (including interest, issuance, continuing, and one-time) shall be disclosed to the citizens in a timely manner. An estimate of the costs described above will be presented to the County Commission along with any resolution authorizing debt.

Within four weeks of closing on a debt transaction, the debt service schedule and the State Form CT-0253 shall be available at the office of the Director of Accounts and Budgets for review by members of the Governing Body and the public.

20. Debt Administration - Post Sale
- A. *The Director of Accounts and Budgets will maintain for review by members of the County Commission and the public a report describing the transaction and setting forth all the costs associated with the transaction.*
 - B. *The municipal advisor will provide a closing memorandum with written instructions on transfer and flow of funds.*

Ratio of Debt Expenditures to Total Government Expenditures (excludes capital & agency Funds).

- *Ratio should not exceed 8.2%.*
- *The Debt Service Fund balance benchmark shall be at least 13 months of the annual debt service requirements and no less than 85% of annual debt service expenditures.*

MARSHALL COUNTY, TENNESSEE
Capital Assets Policies and Procedures
ADOPTED JUNE 23, 2016 BY MCBC RETRO ACTIVE FOR FY15-16
Updated approved June 22, 2017 effective for FY 16-17

MCBPU adopted July 18, 2017 Bd mtg minutes attached

The purpose of this policy is to provide guidelines for the departments of Marshall County regarding capital asset reporting in the financial statements in accordance with Governmental Accounting Standards Board (GASB) Statement No. 34, *Basic Financial Statement and Management's Discussion and Analysis for State and Local Governments* and establishes management control and continuing accountability for all capital assets, over capitalization thresholds, acquired by county departments.

Capitalization of capital assets includes land, buildings and improvements, roads and bridges, machinery and equipment, and construction in progress. The asset amounts represented in the county's financial statements should be documented by an inventory listing supported with detailed records for the historical or estimated historical cost of each asset.

ADMINISTRATIVE POLICIES

- A. Fiscal Responsibility.
 - 1. County Commission:
 - a. Determine and approve policies for capital asset management.
 - b. Review findings and recommendations related to internal audits conducted by inventory control personnel or external audits conducted by the State/IPA firm and
 - c. Ensure any identified deficiencies or non-compliance with policies are addressed and corrected.
 - 2. Capital Asset Management:

The office of Capital Asset Management is under the direction of the Director of Accounts & Budgets office, which provides for fiscal procedure. Director of Accounts & Budgets operates with respect to the responsibilities of the Director of Accounts & Budgets as fiscal agent of the county; and the County Highway Department. A full cooperative effort of all parties allows the Director of Accounts & Budgets Department to maintain records in accordance with adopted capital asset policies. Areas of responsibility are outlined below:

 - a. Maintain a computer database inventory of all county-owned assets that exceed capitalization thresholds assets. Copies of documentation for the actual historical or estimated historical cost of each capitalized asset will be maintained in a separate file as long as each individual asset is actively on the books.
 - b. Works with county officials and other departments to identify newly purchased or donated assets. Tags all assets over capitalization thresholds and inputs all relative information into the inventory control computer system.
 - c. Removes asset tags upon retirement of assets from computer records upon proper notification by appropriate departments.
 - d. Receives copy of and reviews annual inventory of all departments to determine that capitalized assets are being properly accounted for.
 - e. Randomly audits annual inventory listings of county departments to insure that departments are complying with adopted capital asset policies.
 - f. Reports to Director of Accounts & Budgets all instances of non-compliance with capital asset policies and procedures.
 - g. Updates inventory of capital assets tracked on capital asset software and generates all reports needed to prepare external financial statements.
 - h. Works with management and external auditors on all issues concerning capital asset reporting in order to comply with GASB Statement 34.

Recording Land – Land will be capitalized but not depreciated. It is recorded at historical or estimated historical cost and remains at that cost until disposal.

1. Recording Land Improvements –
 - a. Non-Exhaustible – Expenditures for improvements that do not require maintenance or replacement are capitalized but not depreciated.
 - b. Exhaustible – Other improvements that are part of a site, such as parking lots, landscaping and fencing, are depreciable. During initial implementation of GASB Statement 34, these improvements will be recorded separately to the extent that cost documentation is available.
2. Recording Buildings – Buildings will be recorded at either their acquisition cost or construction cost. Each building component (e.g., roof, HVAC systems, etc.) should be recorded separately when significant because of the difference in the useful life of these components.
3. Recording Building Improvements – Building improvements which extend the useful life of a building and meet the capitalization threshold will be capitalized. During initial implementation of GASB Statement 34, these improvements will be recorded separately to the extent that cost documentation is available.
4. Recording Construction in Progress – Construction in progress will be capitalized and not depreciated.
5. Recording Vehicles – Vehicles will be identified by asset tags, inventoried and depreciated.
6. Recording Furniture and Equipment – Assets such as furniture, machinery and equipment should be identified and inventoried. If they meet the threshold levels, they will be capitalized and depreciated.
7. Interest on debt issued-interest on debt issued for the construction of an asset will be capitalized as part of the asset's cost to the extent of the interest that was incurred during the construction period only.

C. Costs:

Capital assets shall be recorded at historical cost if the cost is reasonably determinable. If historical cost data is not determinable, an estimated cost will be used.

1. Actual Cost – this will include not only the purchase or construction cost (which can be obtained through invoice, purchase order and paid check files) but also charges necessary to place the asset in its intended location. This includes costs such as freight and transportation, site preparation expenditures, interest costs, professional fees and legal claims directly attributable to asset acquisition.
2. Estimated Cost – this will be based on as much documentary evidence that can be found to support the cost, such as interviews with personnel and/or price level adjustments based on the Consumer Price Index for each asset.
3. Donated Cost – these assets will be based on their estimated fair market value at time of acquisition. A determination as to the fair market value basis will be included with property records.

H. Infrastructure

GASB Statement 34 requires counties to capitalize and report county-owned infrastructure at historical or estimated historical cost. The GASB defines infrastructure as long-lived capital assets associated with governmental activities that normally are stationary in nature and can be preserved for a significantly greater number of years than most capital assets. The county will initially capitalize its infrastructure by the following method:

1. County-Owned Roads:

Marshall County will retroactively report roads at actual or estimated historical cost back to:

- July 1, 1980 or,
- The last time the road was upgraded (gravel to oil-and-chip, etc.) or,
- The last time the road was replaced or resurfaced in a way that it extended the original useful life of the road (i.e. not considered routine maintenance).

2. Bridges

- July 1, 1980 or,
- The last time the bridge was upgraded (wood to concrete, etc.), if this date was after July 1, 1980.

Capitalization Thresholds

A. Capitalization and Depreciation:

The following items will be capitalized and depreciated for GASB Statement 34 reporting purposes:

1.	Land	\$ 1	(Capitalize Only)
2.	Land Improvements	\$ 25,000	
3.	Buildings	\$ 25,000	
4.	Building Improvements	\$ 25,000	
5.	Roads and Bridges	\$ 25,000	
6.	Vehicles	\$ 25,000	
7.	Machinery and Equipment *	\$ 25,000	
8.	Furniture and Fixtures *	\$ 25,000	
9.	Construction in Progress	\$ 1	(Capitalize Only)

**MARSHALL COUNTY, TENNESSEE
PERSONAL PROPERTY ACQUISITION/DISPOSITION RECORD**

LOCATION _____ TAG # _____

ACCOUNT CODE _____

ITEM DESCRIPTION _____

VENDOR _____

MAKE/MODEL _____ SERIAL # _____

PURCHASE PRICE \$ _____ OR APPRAISED VALUE \$ _____

ACQUISITION

DATE RECEIVED _____ PURCHASE ORDER # _____

RECEIVED BY _____ CONDITION CODE _____

TRANSFERRED FROM _____ STATUS CODE _____
STATUS CODE-(U=IN USE; R=HELD IN RESERVE; S=IN STORAGE)

DONATED BY _____

DISPOSITION

_____ TRANSFER _____ STOLEN/LOST _____ SURPLUS _____ SCRAP

OTHER _____

TRANSFERRED TO _____

I certify the above described equipment has been transferred, stolen/lost, declared surplus, scrapped, or disposed of by other means as indicated above. If the item was declared surplus, it is available for use by other County Offices or can be sold in the prescribed manner as surplus. If stolen, a stolen property report has been **filed with the Police/Sheriff Department.**

SIGNATURE DEPT HEAD DATE

**MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS
MARSHALL COUNTY BOARD OF PUBLIC UTILITIES
JULY 18, 2017**

“THIS INSTITUTION IS AN EQUAL OPPORTUNITY PROVIDER AND EMPLOYER”

THE BOARD OF DIRECTORS OF THE MARSHALL COUNTY BOARD OF PUBLIC UTILITIES HELD THEIR REGULAR MONTHLY MEETING ON JULY 18, 2017 AT 9:00 A.M., IN THE DOUG ROGERS BOARD ROOM AT 624 WEST COMMERCE ST. THE FOLLOWING MEMBERS WERE PRESENT: **CHAIRMAN MICKEY KING, VICE CHAIRMAN RAY WAKEFIELD, TONY BEYER, AND DANNY MORGAN. ABSENT: MATT COLLINS**

STAFF IN ATTENDANCE: TOMMY WHALEY, SUPERINTENDENT; TONY BOLTON, ASSISTANT SUPERINTENDENT; CECILIA SPIVY, ATTORNEY; STACEY SHARPE, PROJECT COORDINATOR; GAYLE MILLER, SECRETARY. ABSENT: BOB RAMSEY, ENGINEER

OTHERS: COUNTY MAYOR JOE LIGGETT, CONNIE BOBO, PAULA HERGRET

WITH A QUORUM PRESENT, CHAIRMAN KING PRESIDED, CALLED THE MEETING TO ORDER AND WELCOMED VISITORS.

CONNIE BOBO ADDRESSED THE BOARD ABOUT HER PROPERTY AT 4839 ADGENT ROAD. THERE WERE TWO (2) TAPS INSTALLED FOR NANCY ADGENT WHEN THE WATER LINE WAS INSTALLED. MS. ADGENT WAS ONLY USING ONE (1) METER AT THE TIME AND MS. BOBO HOOKED ON TO HER SECOND METER. MS. ADGENT HAS LISTED THE PROPERTY. WHEN IT SELLS, BOTH METERS THAT MS. ADGENT OWNS WILL GO WITH THE PROPERTY. MS. BOBO IS ASKING THE BOARD TO SET HER A TAP IN FRONT OF HER HOUSE. TOMMY INFORMED THE BOARD THAT THE LINE IS A ONE (1) INCH COPPER SERVICE LINE RAN TO SERVE THE TWO (2) METERS THAT MS. ADGENT OWNS. IF THE TAP IS SET FOR MS. BOBO AND ALL THREE (3) TAPS ARE ACTIVE THERE WILL BE PRESSURE DIFFERENTIALS. TOMMY SAID IT WOULD NOT BE ADVISABLE. HOWEVER, MS. BOBO IS WILLING TO DO AN AGREEMENT. MS. BOBO HAS SENT HER AGREEMENT TO CECILIA STATING THAT IF THE SECOND TAP OF MS. ADGENT BECOMES AN ACTIVE SERVICE SHE WILL RELOCATE HER TAP AT THAT TIME TO THE MAIN ROAD, WHICH IS WILSON SCHOOL ROAD. CECILIA AGREED WITH TOMMY. SHE WILL HAVE TO HAVE SOMETHING IN WRITING THAT LAYS OUT THE PARAMETERS. **TONY BEYER MADE THE MOTION TO APPROVE THIS REQUEST SUBJECT TO CECILIA BEING COMFORTABLE WITH THE WRITTEN DOCUMENT THAT PROTECTS BOTH SIDES.** DISCUSSION- CECILIA RECOMMENDED THAT SHE WRITE THE DOCUMENT. **RAY SECONDED THE MOTION.** DISCUSSION- TOMMY RECOMMENDED THE AGREEMENT BE ATTACHED TO THE DEED. **HEARING NO FURTHER DISCUSSION, CHAIRMAN KING CALLED FOR A VOTE. VOICES VOTE- ALL AYES. MOTION CARRIES.**

TAP HAD BEEN SET. SHE SAYS NOW THERE IS AN "X" WHERE THEY WILL MOVE THE METER. SHE WAS WILLING TO ACCEPT THE NEW "X", BUT THE NEW "X" "THEY, MCBPU, ARE WILLING TO GO UNDER THE LINE, THEN WHY CAN'T MCBPU GO UNDER THE LINE AND BRING IT TO MY CORNERSTONE?" FROM THE TAP TO HER HOUSE IS THREE HUNDRED (300) PLUS FEET. FROM THE NEW "X" TO HER CORNERSTONE IS THIRTY-FIVE (35) MORE FEET. WHY SHOULD SHE BE LIABLE FOR AN ADDITIONAL THIRTY-FIVE (35) FEET? SHE SAID THAT MCBPU HAS DUG UP THE ROAD FOR OTHER CUSTOMERS. CHAIRMAN KING INFORMED MS. HERGRET THAT WE HAVE DUG UP THE ROAD IN THE PAST, BUT IN THE LAST TWO (2) OR THREE (3) YEARS JERRY WILLIAMS, MARSHALL COUNTY ROAD SUPERINTENDENT, HAS BEEN STOPPING US FROM DIGGING UP THE ROAD. IF WE TEAR UP THE ROAD, WE HAVE TO PAVE THE WHOLE ROAD NOT JUST THE PART WE TORE UP. TOMMY INFORMED THE BOARD THAT DR. SWANSON'S LINE WAS PUT IN ON THE CDBG PROJECT. SHE COULD HAVE HAD HER TAP INSTALLED ON THE PROJECT, BUT HER MARITAL STATUS CHANGED AND SHE WOULD HAVE TO PAY ONE THOUSAND SIX HUNDRED NINETY DOLLARS (\$1,690.00) FOR HER TAP INSTEAD OF NINETY DOLLARS (\$90.00). TOMMY SAID, HAD IT BEEN PUT IN ON THE PROJECT, THE CONTRACTOR WOULD HAVE TAKEN ALL OF THE PROVISIONS TO DIG UP THE LINE, CROSSED IN THE MIDDLE OF THE ROAD, AND SET HER TAP. THE CONTRACTOR WOULD HAVE TO REPAVE THE ROAD AT THE END OF THE PROJECT. MS. HERGRET ASKED THE BOARD "WHAT WILL IT TAKE TO GET MY METER ON MY PROPERTY", ITS THIRTY-FIVE (35) FEET. CECILIA EXPLAINED THAT IT IS SOMETHING THAT WE DON'T DO FOR ANY OTHER CUSTOMER. SHE SAID WE WOULD BE DOING SOMETHING FOR YOU THAT WE DON'T DO FOR ANYONE ELSE. CHAIRMAN KING ASKED TOMMY IF HE HAS DONE THE BEST THAT WE CAN DO. TOMMY SAID IN ALL FAIRNESS TO EVERYONE ELSE AND NOT DO ANYTHING FOR HER THAT WE WON'T DO FOR ANYONE ELSE. HE SAID THE COMMENT WAS MADE THAT WE ARE SINGLING HER OUT. IF WE DO THIS FOR HER WE ARE SINGLING HER OUT. WE ARE GIVING HER SOMETHING WE GIVE NO ONE ELSE. CHAIRMAN KING TOLD MS. HERGRET THAT MCBPU HAS DONE EVERYTHING WE CAN DO TO GET IT AS CLOSE TO HER PROPERTY AS WE CAN.

SUPERINTENDENT:

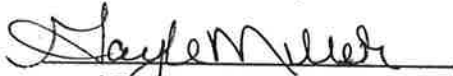
- COOSIE BRANCH PROJECT- THE FIRST WEEK OF JULY WE HAD VACATIONS. DAGO IS BACK WORKING ON THE PROJECT AND HE IS HAVING A DIFFICULT TIME CUTTING THROUGH THE ROCK.
- LEWISBURG WATER CONTRACT- ITEM #8 TRIGG CATHEY, LEWISBURG WATER AND WASTEWATER SUPERINTENDENT, HAS ADDED TO THE CONTRACT. TOMMY CALLED HIM AND TALKED TO HIM. IT REFERS TO A MAJOR SYSTEM FAILURE. TOMMY ASKED TRIGG IF THERE IS A MAJOR SYSTEM FAILURE WOULDN'T THE INSURANCE PAY. TOMMY DOES NOT FEEL THAT THIS SHOULD BE IN THE CONTRACT. MR. WAKEFIELD SUGGESTED THAT OUR ATTORNEY REDRAFT WITH OUR CONSIDERATIONS IN IT. TOMMY WAS ASKED IF ANY WHERE IN THE CONTRACT STATES HOW MUCH WATER THEY WILL PROVIDE MCBPU. TOMMY SAID NO, THERE IS NOT A VOLUME OF WATER, BUT HE DID TALK TO TRIGG THIS MORNING ABOUT THAT TO SEE WHERE THEY MAY BE AND IF THEY HAVE GOTTEN THEIR STUDY RESULTS BACK. TRIGG SAID THEY HAVE NOT RECEIVED THEIR STUDY. MR. BEYER SAID THAT IT IS FAIRLY ESSENTIAL TO US TO KNOW HOW MUCH

ADJOURNMENT:

WITH NO FURTHER BUSINESS TO DISCUSS, RAY WAKEFIELD MADE A MOTION TO ADJOURN THE MEETING AND DANNY MORGAN SECONDED THE MOTION. VOICES VOTE - ALL AYES. MEETING ADJOURNED.

RESPECTFULLY SUBMITTED:

APPROVED:


GAYLE MILLER, SECRETARY


MICKEY KING, CHAIRMAN

Chairman Mickey King
was absent

WTC Attached to #19

End Acct.	Obj	Acct	2020-21 Revised Budget	2020-21 FYTD Activity	2019-20 FYTD Activity	December 2020-21 Monthly Activity	2020-21 FYTD Unencumbered Bal	2020-21 FYTD FYTD \$
204 43114 000		SOLID WASTE DISPOSAL FEE	85,000.00	48,520.00	44,200.34	8,320.00	36,480.00	57.08
204 43191 000		WATER SALES	2,500,000.00	1,354,622.51	1,327,107.93	210,439.81	1,145,377.49	54.18
204 43193 000		WATER TAP SALES	200,000.00	147,600.00	111,400.00	25,800.00	52,400.00	73.80
204 43193 000		WATER TAP SALES		2,000.00			-2,000.00	
204 43194 000		SERVICE CHARGES	129,000.00		6,000.00	20.00	129,000.00	
204 43194 000		SERVICE CHARGES		5,250.00			-5,250.00	
204 43194 000		SERVICE CHARGES		150.00			-150.00	
204 43194 000		SERVICE CHARGES		160.00			-160.00	
204 43194 000		SERVICE CHARGES		15,575.00	13,050.00	2,625.00	-15,575.00	
204 43194 000		SERVICE CHARGES		684.00	704.00	122.00	-684.00	
204 43194 000		SERVICE CHARGES		3,520.00	4,920.00	920.00	-3,520.00	
204 43194 000		SERVICE CHARGES		900.00	1,170.00	495.00	-900.00	
204 43194 000		SERVICE CHARGES		48.00			-48.00	
204 43194 000		SERVICE CHARGES		35.00			-35.00	
204 43194 000		SERVICE CHARGES		300.00	475.00	150.00	-300.00	
204 43194 000		SERVICE CHARGES		71,000.00	51,000.00	11,000.00	-71,000.00	
204 43194 000		SERVICE CHARGES		3,750.00		750.00	-3,750.00	
204 431--	----	*GENERAL SERVICE CHARGES	2,914,000.00	1,654,114.51	1,560,027.27	260,641.81	1,259,885.49	56.76
204 43350 000		COPY FEES		15.75		15.75	-15.75	
204 433--	----	*FEES		15.75		15.75	-15.75	
204 44110 000		INVESTMENT INCOME		3,774.68	6,352.16	882.60	-3,774.68	
204 44170 000		MISCELLANEOUS REFUNDS	19,974.85	2,101.47	3,907.96	383.03	-2,101.47	10.52
204 441--	----	*RECURRING ITEMS	19,974.85	5,876.15	10,260.12	1,265.63	-5,876.15	29.42
204 44530 000		SALE OF EQUIPMENT	300,000.00					
204 44560 000		DAMAGES RECOVERED FROM IN						
204 445--	----	*NONRECURRING ITEMS	300,000.00	3,075.12			-3,075.12	
204 46980 000		OTHER STATE GRANTS		179,801.05	4,792.13	42,800.85	-179,801.05	1.03
204 469--	----	*		179,801.05	4,792.13	42,800.85	-179,801.05	
204 47590 000		OTHER FEDERAL THROUGH STA	4,570,000.00				4,570,000.00	
204 475--	----	*	4,570,000.00				4,570,000.00	
204 47660 000		FHA GRANT	327,200.00				327,200.00	
204 476--	----	*DIRECT FEDERAL REVENUE	327,200.00				327,200.00	
204 49900 000		TRANSFERS IN	300,000.00				300,000.00	
204 499--	----	*TRANSFERS IN	300,000.00				300,000.00	
204 -----	----	*Revenue	8,431,174.85	1,842,882.58	1,575,079.52	304,724.04	6,268,317.42	21.86
204 58190 103		OTHER ECONOMIC AND COMMUN ASSISTANT (S)	49,171.00	26,476.80	23,576.80	5,673.60	22,694.20	53.85
204 58190 105		OTHER ECONOMIC AND COMMUN SUPERVISOR/DIRECTOR	68,828.00	37,060.80	33,737.60	7,941.60	31,767.20	53.85
204 58190 119		OTHER ECONOMIC AND COMMUN ACCOUNTANTS/BOOKKEEPERS	156,975.00	84,525.00	76,585.60	18,112.50	72,450.00	53.85
204 58190 141		OTHER ECONOMIC AND COMMUN FOREMEN	108,597.00	45,153.76	53,227.20	12,530.40	63,443.24	41.58
204 58190 143		OTHER ECONOMIC AND COMMUN EQUIPMENT OPERATORS	41,101.00	22,131.20	20,144.80	4,742.40	18,969.80	53.85

End Acct	Obj	Acct	2020-21 Revised Budget	2020-21 FYTD Activity	2019-20 FYTD Activity	December 2020-21 Monthly Activity	2020-21 FYTD Unencumbered Bal	2020-21 FYTD %
204 58190 435	OTHER ECONOMIC AND COMMUN	OFFICE SUPPLIES	5,500.00	1,119.78	1,131.54	720.83	4,116.22	20.36
204 58190 446	OTHER ECONOMIC AND COMMUN	SMALL TOOLS	3,500.00	139.54	1,125.06	12.99	3,360.46	3.99
204 58190 450	OTHER ECONOMIC AND COMMUN	TIRES AND TUBES	7,500.00	4,053.47	866.08	678.43	3,446.53	54.05
204 58190 451	OTHER ECONOMIC AND COMMUN	UNIFORMS	4,000.00		1,565.80		4,000.00	
204 58190 454	OTHER ECONOMIC AND COMMUN	WATER AND SEWER	2,500.00	892.06	966.20	152.28	1,607.94	35.68
204 58190 504	OTHER ECONOMIC AND COMMUN	INDIRECT COST	1,000.00	2.00	14.00		998.00	0.20
204 58190 506	OTHER ECONOMIC AND COMMUN	LIABILITY INSURANCE	11,000.00	9,459.00	10,683.00	9,459.00	1,541.00	85.99
204 58190 508	OTHER ECONOMIC AND COMMUN	PREMIUMS ON CORPORATE SUR	2,960.00				2,960.00	
204 58190 510	OTHER ECONOMIC AND COMMUN	TRUSTEE'S COMMISSION	35,000.00	17,926.83	16,681.80	2,864.51	17,073.17	51.22
204 58190 511	OTHER ECONOMIC AND COMMUN	VEHICLE AND EQUIPMENT INS	9,000.00	10,988.00	8,526.00	10,988.00	-1,988.00	122.09
204 58190 513	OTHER ECONOMIC AND COMMUN	WORKMAN'S COMPENSATION IN	17,500.00	12,935.00	15,884.00		4,565.00	73.91
204 58190 524	OTHER ECONOMIC AND COMMUN	INSERVICE/STAFF DEVELOPME	10,000.00	1,300.00	1,580.00		8,700.00	13.00
204 58190 530	OTHER ECONOMIC AND COMMUN	FINES, ASSESSMENTS, AND P	7,500.00	6,209.40	5,509.40	700.00	1,290.60	82.79
204 58190 599	OTHER ECONOMIC AND COMMUN	OTHER CHARGES	2,000.00	789.47	604.22		1,210.53	39.47
204 58190 601	OTHER ECONOMIC AND COMMUN	PRINCIPAL ON BONDS	310,000.00				310,000.00	
204 58190 603	OTHER ECONOMIC AND COMMUN	INTEREST ON BONDS	124,208.00	62,103.75	65,153.75		62,104.25	50.00
204 58190 606	OTHER ECONOMIC AND COMMUN	OTHER DEBT ISSUANCE CHARG	500.00				500.00	
204 58190 612	OTHER ECONOMIC AND COMMUN	PRINCIPAL ON OTHER LOANS	453,600.00	3,675.18	3,675.18	612.53	453,600.00	
204 58190 612	OTHER ECONOMIC AND COMMUN	PRINCIPAL ON OTHER LOANS	226,200.00				-3,675.18	
204 58190 613	OTHER ECONOMIC AND COMMUN	INTEREST ON OTHER LOANS		4,670.82	4,670.82	778.47	226,200.00	
204 58190 613	OTHER ECONOMIC AND COMMUN	INTEREST ON OTHER LOANS		400.00	400.00		-4,670.82	100.00
204 58190 699	OTHER ECONOMIC AND COMMUN	OTHER DEBT SERVICE	400.00				-4,000.00	1.33
204 58190 715	OTHER ECONOMIC AND COMMUN	LAND	300,000.00	4,000.00			35,000.00	
204 58190 718	OTHER ECONOMIC AND COMMUN	MOTOR VEHICLES			34,999.33		1,000.00	
204 58190 719	OTHER ECONOMIC AND COMMUN	OFFICE EQUIPMENT	1,000.00				112,000.00	
204 58190 720	OTHER ECONOMIC AND COMMUN	PLANT OPERATION EQUIPMENT	112,000.00				15,000.00	
204 58190 790	OTHER ECONOMIC AND COMMUN	OTHER EQUIPMENT	15,000.00		9,999.99		15,000.00	
204 58190 791	OTHER ECONOMIC AND COMMUN	OTHER CONSTRUCTION		179,418.20		280.00	-179,418.20	
204 58190 791	OTHER ECONOMIC AND COMMUN	OTHER CONSTRUCTION		58.00	194.44	50.00	-58.00	
204 58190 791	OTHER ECONOMIC AND COMMUN	OTHER CONSTRUCTION		213,730.99	48,268.80	144,921.49	-213,930.99	
204 58190 791	OTHER ECONOMIC AND COMMUN	OTHER CONSTRUCTION		257,937.31	14.00		-257,937.31	
204 58190 791	OTHER ECONOMIC AND COMMUN	OTHER CONSTRUCTION		2.00	130.00		-2.00	
204 58190 791	OTHER ECONOMIC AND COMMUN	OTHER CONSTRUCTION		30.00			-30.00	
204 581--	----	*	4,464,111.85	1,954,236.46	1,288,434.71	405,415.84	2,117,340.73	43.78
204 -----	----	*Expense	4,464,111.85	1,954,236.46	1,288,434.71	405,415.84	2,117,340.73	43.78
		Grand Revenue Totals	6,431,174.85	1,842,882.58	1,575,079.52	304,724.04	6,268,317.42	21.86
		Grand Expense Totals	4,464,111.85	1,954,236.46	1,288,434.71	405,415.84	2,117,340.73	43.78
		Grand Totals	3,967,063.00	111,353.88	286,644.81	100,691.80	4,150,976.69	-2.81
			Profit	Loss	Profit	Loss	Profit	

WTR Attache #19

End Acct	Obj	Acct	2020-21 Revised Budget	2020-21 FYTD Activity	2019-20 FYTD Activity	January 2020-21 Monthly Activity	2020-21 FYTD Unencumbered Bal	2020-21 FYTD \$
204 43114 000	SOLID WASTE DISPOSAL FEE		85,000.00	56,880.00	51,800.34	8,360.00	28,120.00	66.92
204 43191 000	WATER SALES		2,500,000.00	1,610,240.83	1,515,255.44	255,618.32	889,759.17	64.41
204 43193 000	WATER TAP SALES		200,000.00	175,600.00	126,400.00	28,000.00	24,400.00	87.80
204 43193 000	WATER TAP SALES			2,000.00	4,000.00		-2,000.00	
204 43194 000	SERVICE CHARGES		129,000.00				129,000.00	
204 43194 000	SERVICE CHARGES			5,250.00	6,000.00		-5,250.00	
204 43194 000	SERVICE CHARGES			170.00		20.00	-170.00	
204 43194 000	SERVICE CHARGES			160.00			-160.00	
204 43194 000	SERVICE CHARGES			17,700.00	14,950.00	2,125.00	-17,700.00	
204 43194 000	SERVICE CHARGES			744.00	788.00	60.00	-744.00	
204 43194 000	SERVICE CHARGES			3,520.00	5,800.00		-3,520.00	
204 43194 000	SERVICE CHARGES			900.00	1,485.00		-900.00	
204 43194 000	SERVICE CHARGES			48.00			-48.00	
204 43194 000	SERVICE CHARGES			35.00			-35.00	
204 43194 000	SERVICE CHARGES			300.00	475.00		-300.00	
204 43194 000	SERVICE CHARGES			84,000.00	58,000.00	13,000.00	-84,000.00	
204 43194 000	SERVICE CHARGES			3,750.00			-3,750.00	
204 431--	*GENERAL SERVICE CHARGES		2,914,000.00	1,961,297.83	1,784,963.78	307,183.32	952,702.17	67.31
204 43350 000	COPY FEES			15.75			-15.75	
204 433--	*FEES			15.75			-15.75	
204 44110 000	INVESTMENT INCOME			4,664.07	7,674.00	889.39	-4,664.07	
204 44170 000	MISCELLANEOUS REFUNDS		19,974.85	18,551.72	9,757.96	16,450.25	-18,551.72	92.88
204 441--	*RECURRING ITEMS		19,974.85	23,215.79	17,431.96	17,339.64	-23,215.79	116.23
204 44530 000	SALE OF EQUIPMENT		300,000.00	337,360.50		337,360.50	-337,360.50	112.45
204 44560 000	DAMAGES RECOVERED FROM IN			3,075.12			-3,075.12	
204 445--	*NONRECURRING ITEMS		300,000.00	340,435.62		337,360.50	-340,435.62	113.48
204 46980 000	OTHER STATE GRANTS			179,801.05	4,792.13		-179,801.05	
204 469--	*			179,801.05	4,792.13		-179,801.05	
204 47590 000	OTHER FEDERAL THROUGH STA		4,570,000.00				4,570,000.00	
204 475--	*		4,570,000.00				4,570,000.00	
204 47660 000	FHA GRANT		327,200.00				327,200.00	
204 476--	*DIRECT FEDERAL REVENUE		327,200.00				327,200.00	
204 49800 000	TRANSFERS IN		300,000.00				300,000.00	
204 498--	*TRANSFERS IN		300,000.00				300,000.00	
204 -----	*Revenue		8,431,174.85	2,504,766.04	1,807,187.87	661,883.46	5,606,433.96	29.71
204 58190 103	OTHER ECONOMIC AND COMMUN ASSISTANT (S)		49,171.00	30,259.20	29,017.60	3,782.40	18,911.80	61.54
204 58190 105	OTHER ECONOMIC AND COMMUN SUPERVISOR/DIRECTOR		68,828.00	42,355.20	41,523.20	5,294.40	26,472.80	61.54
204 58190 119	OTHER ECONOMIC AND COMMUN ACCOUNTANTS/BOOKKEEPERS		156,975.00	96,600.00	94,259.20	12,075.00	60,375.00	61.54
204 58190 141	OTHER ECONOMIC AND COMMUN FOREMEN		108,597.00	53,507.36	65,510.40	8,353.60	55,089.64	49.27
204 58190 143	OTHER ECONOMIC AND COMMUN EQUIPMENT OPERATORS		41,101.00	25,292.80	24,793.60	3,161.60	15,808.20	61.54

Water Attachment #9

End Acct.	Obj	Acct	2020-21 Revised Budget	2020-21 FYTD Activity	2019-20 FYTD Activity	February 2020-21 Monthly Activity	2020-21 FYTD Unencumbered Bal	2020-21 FYTD FYTD \$
204 43114 000		SOLID WASTE DISPOSAL FEE	85,000.00	65,240.00	59,400.34	8,360.00	19,760.00	76.75
204 43191 000		WATER SALES	2,500,000.00	1,819,203.46	1,687,862.53	208,962.63	680,796.54	72.77
204 43193 000		WATER TAP SALES	200,000.00	197,600.00	138,400.00	22,000.00	2,400.00	98.80
204 43193 000		WATER TAP SALES		2,000.00	7,800.00		-2,000.00	
204 43194 000		SERVICE CHARGES	129,000.00				129,000.00	
204 43194 000		SERVICE CHARGES		6,000.00	6,750.00	750.00	-6,000.00	
204 43194 000		SERVICE CHARGES		180.00		10.00	-180.00	
204 43194 000		SERVICE CHARGES		160.00			-160.00	
204 43194 000		SERVICE CHARGES		19,450.00	16,800.00	1,750.00	-19,450.00	
204 43194 000		SERVICE CHARGES		808.00	952.00	64.00	-808.00	
204 43194 000		SERVICE CHARGES		3,520.00	6,440.00		-3,520.00	
204 43194 000		SERVICE CHARGES		900.00	1,665.00		-900.00	
204 43194 000		SERVICE CHARGES		48.00			-48.00	
204 43194 000		SERVICE CHARGES		35.00			-35.00	
204 43194 000		SERVICE CHARGES		300.00	475.00		-300.00	
204 43194 000		SERVICE CHARGES		95,000.00	64,000.00	11,000.00	-95,000.00	
204 43194 000		SERVICE CHARGES		3,750.00			-3,750.00	
204 431--		*GENERAL SERVICE CHARGES	2,914,000.00	2,214,194.46	1,990,544.87	252,896.63	699,805.54	75.98
204 43350 000		COPY FEES		15.75			-15.75	
204 433--		*FEES		15.75			-15.75	
204 44110 000		INVESTMENT INCOME		5,553.46	9,012.89	889.39	-5,553.46	
204 44170 000		MISCELLANEOUS REFUNDS	19,974.85	31,203.30	4,062.40	12,651.58	-31,203.30	156.21
204 441--		*RECURRING ITEMS	19,974.85	36,756.76	13,075.29	13,540.97	-36,756.76	184.02
204 44530 000		SALE OF EQUIPMENT						
204 44560 000		DAMAGES RECOVERED FROM IN	300,000.00	337,360.50			-337,360.50	112.45
204 445--		*NONRECURRING ITEMS		3,075.12			-3,075.12	
204 46980 000		OTHER STATE GRANTS	300,000.00	340,435.62			-340,435.62	113.48
204 469--		*		179,801.05	4,792.13		-179,801.05	
204 47590 000		OTHER FEDERAL THROUGH STA	4,570,000.00	179,801.05	4,792.13		-179,801.05	
204 475--		*		179,801.05	4,792.13		-179,801.05	
204 47660 000		FHA GRANT	327,200.00					
204 476--		*DIRECT FEDERAL REVENUE	327,200.00					
204 49800 000		TRANSFERS IN	300,000.00					
204 498--		*TRANSFERS IN	300,000.00					
204 -----		*Revenue	8,431,174.85	2,771,203.64	2,008,412.29	266,437.60	5,339,996.36	32.87
204 58190 103		OTHER ECONOMIC AND COMMUN ASSISTANT (S)	49,171.00	34,041.60	32,644.80	3,782.40	15,129.40	69.23
204 58190 105		OTHER ECONOMIC AND COMMUN SUPERVISOR/DIRECTOR	68,828.00	47,649.60	46,713.60	5,294.40	21,178.40	69.23
204 58190 119		OTHER ECONOMIC AND COMMUN ACCOUNTANTS/BOOKKEEPERS	156,975.00	108,675.00	106,041.60	12,075.00	48,300.00	69.23
204 58190 141		OTHER ECONOMIC AND COMMUN FOREMEN	108,597.00	61,860.96	73,699.20	8,353.60	46,736.04	56.96
204 58190 143		OTHER ECONOMIC AND COMMUN EQUIPMENT OPERATORS	41,101.00	28,029.56	27,892.80	2,736.76	13,071.44	68.20

WTR ATTACHMENT 1119

End Acct	Obj	Acct	Obj	2020-21	2020-21	2020-21	2020-21	2020-21	2020-21	2020-21	2020-21
				Revised Budget	FYTD Activity	FYTD Activity	Monthly Activity	Unencumbered Bal	FYTD	FYTD	FYTD %
204 58190 435	OTHER ECONOMIC AND COMMON	OFFICE SUPPLIES		5,500.00	2,095.33	2,835.18	6.57	3,290.67	38.10		
204 58190 446	OTHER ECONOMIC AND COMMON	SMALL TOOLS		3,500.00	209.52	1,179.37	69.98	3,290.48	5.99		
204 58190 450	OTHER ECONOMIC AND COMMON	TIRES AND TUBES		7,500.00	4,053.47	1,624.78		3,446.53	54.05		
204 58190 451	OTHER ECONOMIC AND COMMON	UNIFORMS		4,000.00	319.99	1,983.97		3,580.01	8.00		
204 58190 454	OTHER ECONOMIC AND COMMON	WATER AND SEWER		2,500.00	1,191.46	1,245.60	149.70	1,308.54	47.66		
204 58190 504	OTHER ECONOMIC AND COMMON	INDIRECT COST		1,000.00	2.00	14.00		998.00	0.20		
204 58190 506	OTHER ECONOMIC AND COMMON	LIABILITY INSURANCE		11,000.00	9,459.00	10,683.00		1,541.00	85.99		
204 58190 508	OTHER ECONOMIC AND COMMON	PREMIUMS ON CORPORATE SUR		2,960.00				2,960.00			
204 58190 510	OTHER ECONOMIC AND COMMON	TRUSTEE'S COMMISSION		35,000.00	23,921.76	21,916.28	3,074.05	11,078.24	68.35		
204 58190 511	OTHER ECONOMIC AND COMMON	VEHICLE AND EQUIPMENT INS		9,000.00	10,988.00	8,526.00		-1,988.00	122.09		
204 58190 513	OTHER ECONOMIC AND COMMON	WORKMAN'S COMPENSATION IN		17,500.00	12,935.00	15,884.00		4,565.00	73.91		
204 58190 524	OTHER ECONOMIC AND COMMON	INSERVICE/STAFF DEVELOPME		10,000.00	1,300.00	1,905.00		8,700.00	13.00		
204 58190 530	OTHER ECONOMIC AND COMMON	FINES, ASSESSMENTS, AND P		7,500.00	6,209.40	6,709.40		1,290.60	82.79		
204 58190 599	OTHER ECONOMIC AND COMMON	OTHER CHARGES		2,000.00	856.16	2,482.59	66.69	1,143.84	42.81		
204 58190 601	OTHER ECONOMIC AND COMMON	PRINCIPAL ON BONDS		310,000.00				310,000.00			
204 58190 603	OTHER ECONOMIC AND COMMON	INTEREST ON BONDS		124,208.00	62,103.75	65,153.75		62,104.25	50.00		
204 58190 606	OTHER ECONOMIC AND COMMON	OTHER DEBT ISSUANCE CHARG		500.00	500.00	500.00			100.00		
204 58190 612	OTHER ECONOMIC AND COMMON	PRINCIPAL ON OTHER LOANS		453,600.00	4,900.24	4,988.23		453,600.00			
204 58190 612	OTHER ECONOMIC AND COMMON	PRINCIPAL ON OTHER LOANS		226,200.00	6,227.76	6,139.77	778.47	-6,227.76			
204 58190 613	OTHER ECONOMIC AND COMMON	INTEREST ON OTHER LOANS		400.00	400.00	400.00		-4,900.24	1.33		
204 58190 613	OTHER ECONOMIC AND COMMON	INTEREST ON OTHER LOANS		300,000.00	4,000.00	34,999.33		35,000.00			
204 58190 699	OTHER ECONOMIC AND COMMON	OTHER DEBT SERVICE		400.00	400.00	400.00		-4,000.00			
204 58190 715	OTHER ECONOMIC AND COMMON	LAND		300,000.00	4,000.00	34,999.33		35,000.00			
204 58190 718	OTHER ECONOMIC AND COMMON	MOTOR VEHICLES		1,000.00	748.00			-248.00	74.80		
204 58190 719	OTHER ECONOMIC AND COMMON	OFFICE EQUIPMENT		112,000.00		3,960.00		112,000.00			
204 58190 720	OTHER ECONOMIC AND COMMON	PLANT OPERATION EQUIPMENT		15,000.00		9,999.99		15,000.00			
204 58190 790	OTHER ECONOMIC AND COMMON	OTHER EQUIPMENT			181,635.06	2,181.34		-181,635.06			
204 58190 791	OTHER ECONOMIC AND COMMON	OTHER CONSTRUCTION			58.00	194.44		-58.00			
204 58190 791	OTHER ECONOMIC AND COMMON	OTHER CONSTRUCTION			195,465.94	48,272.80	38,643.05	-195,565.94			
204 58190 791	OTHER ECONOMIC AND COMMON	OTHER CONSTRUCTION			740,754.21	16.00	330,441.07	-740,754.21			
204 58190 791	OTHER ECONOMIC AND COMMON	OTHER CONSTRUCTION			2.00	142.00		-2.00			
204 58190 791	OTHER ECONOMIC AND COMMON	OTHER CONSTRUCTION			30.00			-30.00			
204 581--	---	*		4,464,111.85	2,754,044.46	1,671,760.45	552,584.58	1,350,598.54	61.69		
204 -----	---	*Expense		4,464,111.85	2,754,044.46	1,671,760.45	552,584.58	1,350,598.54	61.69		
		Grand Revenue Totals		8,431,174.85	2,771,203.64	2,008,412.29	266,437.60	5,339,996.36	32.87		
		Grand Expense Totals		4,464,111.85	2,754,044.46	1,671,760.45	552,584.58	1,350,598.54	61.69		
		Grand Totals		3,967,063.00	17,159.18	336,651.84	286,146.98	3,989,397.82	0.43		
				Profit	Profit	Profit	Loss	Profit			

WTR Attachment #9

Id	T	Acct	Obj	Prj	Loc	Prq	Acct	Beginning Balance	2020-21 FY Credits	2020-21 FY Debits	Ending Balance
204	A	11120	000	000	00000	000	CASH ON HAND	800.00	0.00	0.00	800.00
204	A	11130	000	000	00000	000	CASH IN BANK	1,003.00	2,953.07	2,953.07	3,956.07
204	A	11140	000	000	00000	000	CASH WITH TRUSTEE	4,647,500.16	4,523,879.58	4,206,246.71	4,486,688.54
204	A	11200	000	000	00000	000	INVENTORIES	74,619.88	0.00	0.00	74,619.88
204	A	11410	000	000	00000	000	ACCOUNTS RECEIVABLE	298,949.79	2,290,858.39	2,289,243.18	299,063.77
204	A	11410	000	COW	20003	000	ACCOUNTS RECEIVABLE	0.00	0.00	0.00	0.00
204	A	11430	000	000	00000	000	DUE FROM OTHER GOVERNMENTS	304,772.89	75,212.42	0.00	229,560.47
204	A	11440	000	000	00000	000	DUE FROM OTHER FUNDS	0.00	0.00	0.00	0.00
204	A	11440	000	COW	20003	000	DUE FROM OTHER FUNDS	0.00	0.00	0.00	0.00
204	A	-----	---	---	-----	---	*Asset	5,327,645.72	6,892,903.46	6,498,442.96	5,094,688.73
204	L	00000	000	000	00000	000		0.00	708,602.17	708,602.17	0.00
204	L	21100	000	000	00000	000	ACCOUNTS PAYABLE	-803,232.40	2,518,713.09	3,321,945.49	-79,625.39
204	L	21310	000	000	00000	000	INCOME TAX WITHHELD AND UNPAID	0.00	45,777.48	45,777.48	0.00
204	L	21310	000	CSR	20004	000	INCOME TAX WITHHELD AND UNPAID	0.00	0.00	0.00	0.00
204	L	21310	000	POW	20004	000	INCOME TAX WITHHELD AND UNPAID	0.00	0.00	0.00	0.00
204	L	21320	000	000	00000	000	SOCIAL SECURITY TAX	0.00	64,478.12	64,478.12	0.00
204	L	21320	000	CSR	20004	000	SOCIAL SECURITY TAX	0.00	0.00	0.00	0.00
204	L	21320	000	POW	20004	000	SOCIAL SECURITY TAX	0.00	0.00	0.00	0.00
204	L	21325	000	000	00000	000	EMPLOYEE MEDICARE DEDUCTION	0.00	15,129.12	15,129.12	0.00
204	L	21325	000	CSR	20004	000	EMPLOYEE MEDICARE DEDUCTION	0.00	0.00	0.00	0.00
204	L	21325	000	POW	20004	000	EMPLOYEE MEDICARE DEDUCTION	0.00	0.00	0.00	0.00
204	L	21330	000	000	00000	000	RETIREMENT CONTRIBUTIONS	-5,405.91	65,899.62	61,016.92	-9,375.45
204	L	21330	000	CSR	20004	000	RETIREMENT CONTRIBUTIONS	0.00	0.00	0.00	0.00
204	L	21340	000	000	00000	000	BLUE CROSS BLUE SHIELD HEALTH	-9,694.70	93,793.69	108,595.87	-8,175.28
204	L	21340	000	CSR	20004	000	BLUE CROSS BLUE SHIELD HEALTH	0.00	0.00	0.00	0.00
204	L	21340	000	POW	20004	000	BLUE CROSS BLUE SHIELD HEALTH	0.00	0.00	0.00	0.00
204	L	21341	000	000	00000	000	COMPANY #1	-838.38	8,334.02	8,728.19	-839.28
204	L	21341	000	CSR	20004	000	COMPANY #1	0.00	0.00	0.00	0.00
204	L	21342	000	000	00000	000	COMPANY #2	0.00	0.00	0.00	0.00
204	L	21342	000	CSR	20004	000	COMPANY #2	0.00	0.00	0.00	0.00
204	L	21343	000	000	00000	000	COMPANY #3	0.00	0.00	0.00	0.00
204	L	21343	000	CSR	20004	000	COMPANY #3	0.00	0.00	0.00	0.00
204	L	21343	000	POW	20004	000	COMPANY #3	0.00	0.00	0.00	0.00
204	L	21344	000	000	00000	000	COMPANY #4	0.00	0.00	0.00	0.00
204	L	21344	000	CSR	20004	000	COMPANY #4	0.00	0.00	0.00	0.00
204	L	21345	000	000	00000	000	HSA	0.00	12,918.60	12,706.60	0.00
204	L	21345	000	CSR	20004	000	HSA	0.00	0.00	0.00	0.00
204	L	21346	000	000	00000	000	COMPANY #6	0.00	0.00	0.00	0.00
204	L	21346	000	CSR	20004	000	COMPANY #6	0.00	0.00	0.00	0.00
204	L	21346	000	POW	20004	000	COMPANY #6	0.00	0.00	0.00	0.00
204	L	21347	000	000	00000	000	COMPANY #7	0.00	0.00	0.00	0.00
204	L	21347	000	CSR	20004	000	COMPANY #7	0.00	0.00	0.00	0.00
204	L	21348	000	000	00000	000	COMPANY #8	0.00	0.00	0.00	0.00
204	L	21348	000	CSR	20004	000	COMPANY #8	0.00	0.00	0.00	0.00
204	L	21349	000	000	00000	000	TRANSAMERICA	0.00	0.00	0.00	0.00
204	L	21350	000	000	00000	000	TAX SHELTER ANNUITIES	0.00	14,151.80	13,074.04	-627.90
204	L	21351	000	000	00000	000	COMPANY #1	0.00	0.00	0.00	0.00
204	L	21355	000	000	00000	000	COMPANY #5	-149.83	1,828.66	1,851.14	-118.43
204	L	21355	000	CSR	20004	000	COMPANY #5	0.00	0.00	0.00	0.00
204	L	21360	000	000	00000	000	GARNISHMENTS AND LEVIES	0.00	19,975.41	19,975.41	0.00
204	L	21380	000	000	00000	000	CREDIT UNION DEDUCTIONS	0.00	0.00	0.00	0.00
204	L	21391	000	000	00000	000	AIR MED EVAC	0.00	120.00	120.00	0.00
204	L	21391	000	CSR	20004	000	AIR MED EVAC	0.00	0.00	0.00	0.00
204	L	21410	000	000	00000	000	CONTRACTS PAYABLE	0.00	0.00	0.00	0.00
204	L	21420	000	000	00000	000	RETAINAGE PAYABLE	0.00	0.00	0.00	0.00
204	L	21500	000	000	00000	000	DUE TO OTHER FUNDS	0.00	0.00	0.00	0.00

						Beginning	2020-21	2020-21	Ending
F	T	Acct	Obj	Prj	Loc	Prq	Acct		
						Balance	FY Credits	FY Debits	Balance
8	A	00000	000	000	00000	000			
							0.00	0.00	0.00
801	A	11140	000	000	00000	000	CASH WITH TRUSTEE	0.00	0.00
							0.00	0.00	0.00
801	A	13200	000	000	00000	000	LAND	355,901.00	0.00
								0.00	355,901.00
801	A	13300	000	000	00000	000	BUILDINGS AND IMPROVEMENTS	979,951.18	0.00
								0.00	979,951.18
801	A	13310	000	000	00000	000	ACCUMULATED DEPRECIATION-BUILDING	-299,523.46	0.00
								0.00	-299,523.46
801	A	13400	000	000	00000	000	INFRASTRUCTURE	27,062,235.73	0.00
								0.00	27,062,235.73
801	A	13410	000	000	00000	000	ACCUMULATED DEPRECIATION - INF	-9,156,013.78	0.00
								0.00	-9,156,013.78
801	A	13900	000	000	00000	000	OTHER CAPITAL ASSETS	2,227,770.95	0.00
								0.00	2,227,770.95
801	A	13910	000	000	00000	000	ACCUMULATED DEPRECIATION - OTH	-2,121,600.35	0.00
								0.00	-2,121,600.35
801	A	99999	000	000	00000	000		0.00	0.00
								0.00	0.00
801	A	-----	----	----	-----	----	*Asset	19,048,721.27	0.00
								0.00	19,048,721.27
801	L	00000	000	000	00000	000		0.00	0.00
								0.00	0.00
801	L	21100	000	000	00000	000	ACCOUNTS PAYABLE	0.00	0.00
								0.00	0.00
801	L	-----	----	----	-----	----	*Liability	0.00	0.00
								0.00	0.00
801	Q	34100	000	000	00000	000	ENCUMBRANCES	0.00	0.00
								0.00	0.00
801	Q	34110	000	000	00000	000	ENCUMBRANCES - CURRENT YEAR	0.00	0.00
								0.00	0.00
801	Q	34120	000	000	00000	000	ENCUMBRANCES - PRIOR YEAR	0.00	0.00
								0.00	0.00
801	Q	39000	000	000	00000	000	UNASSIGNED	0.00	0.00
								0.00	0.00
801	Q	39001	000	000	00000	000	REVENUE SUMMARY	0.00	0.00
								0.00	0.00
801	Q	39002	000	000	00000	000	EXPENSE SUMMARY	0.00	0.00
								0.00	0.00
801	Q	39110	000	000	00000	000	INVESTED IN CAPITAL ASSETS, NE	-19,048,721.27	0.00
								0.00	-19,048,721.27
801	Q	-----	----	----	-----	----	*Equity	-19,048,721.27	0.00
								0.00	-19,048,721.27
-----							*CAPITAL ASSETS PUBLIC UTILITY	0.00	0.00
								0.00	0.00

Number of Accounts: 88

***** End of report *****

Wtiz attachment #9

Id	T	Acct	Obj	Prj	Loc	Prg	Acct	Beginning Balance	2020-21 FY Credits	2020-21 FY Debits	Ending Balance
04	A	11120	000	000	00000	000	CASH ON HAND	800.00	0.00	0.00	800.00
204	A	11130	000	000	00000	000	CASH IN BANK	1,003.00	2,953.07	2,953.07	1,003.00
204	A	11140	000	000	00000	000	CASH WITH TRUSTEE	4,647,500.16	4,523,879.58	4,206,246.71	4,781,880.45
204	A	11200	000	000	00000	000	INVENTORIES	74,619.88	0.00	0.00	74,619.88
204	A	11410	000	000	00000	000	ACCOUNTS RECEIVABLE	298,949.79	2,290,858.39	2,289,243.18	342,648.75
204	A	11410	000	COW	20003	000	ACCOUNTS RECEIVABLE	0.00	0.00	0.00	0.00
204	A	11430	000	000	00000	000	DUE FROM OTHER GOVERNMENTS	304,772.89	75,212.42	0.00	229,560.47
204	A	11440	000	000	00000	000	DUE FROM OTHER FUNDS	0.00	0.00	0.00	0.00
204	A	11440	000	COW	20003	000	DUE FROM OTHER FUNDS	0.00	0.00	0.00	0.00
204	A	-----	---	---	-----	---	*Asset	5,327,645.72	6,892,903.46	6,498,442.96	5,430,512.55
204	L	00000	000	000	00000	000		0.00	708,602.17	708,602.17	0.00
204	L	21100	000	000	00000	000	ACCOUNTS PAYABLE	-803,232.40	2,518,713.09	3,321,945.49	0.00
204	L	21310	000	000	00000	000	INCOME TAX WITHHELD AND UNPAID	0.00	45,777.48	45,777.48	0.00
204	L	21310	000	CSR	20004	000	INCOME TAX WITHHELD AND UNPAID	0.00	0.00	0.00	0.00
204	L	21310	000	POW	20004	000	INCOME TAX WITHHELD AND UNPAID	0.00	0.00	0.00	0.00
204	L	21320	000	000	00000	000	SOCIAL SECURITY TAX	0.00	64,478.12	64,478.12	0.00
204	L	21320	000	CSR	20004	000	SOCIAL SECURITY TAX	0.00	0.00	0.00	0.00
204	L	21320	000	POW	20004	000	SOCIAL SECURITY TAX	0.00	0.00	0.00	0.00
204	L	21325	000	000	00000	000	EMPLOYEE MEDICARE DEDUCTION	0.00	15,129.12	15,129.12	0.00
204	L	21325	000	CSR	20004	000	EMPLOYEE MEDICARE DEDUCTION	0.00	0.00	0.00	0.00
204	L	21325	000	POW	20004	000	EMPLOYEE MEDICARE DEDUCTION	0.00	0.00	0.00	0.00
204	L	21330	000	000	00000	000	RETIREMENT CONTRIBUTIONS	-5,405.91	65,899.62	61,016.92	-6,222.89
204	L	21330	000	CSR	20004	000	RETIREMENT CONTRIBUTIONS	0.00	0.00	0.00	0.00
204	L	21340	000	000	00000	000	BLUE CROSS BLUE SHIELD HEALTH	-9,694.70	93,793.69	108,595.87	-8,175.38
04	L	21340	000	CSR	20004	000	BLUE CROSS BLUE SHIELD HEALTH	0.00	0.00	0.00	0.00
204	L	21340	000	POW	20004	000	BLUE CROSS BLUE SHIELD HEALTH	0.00	0.00	0.00	0.00
204	L	21341	000	000	00000	000	COMPANY #1	-838.38	8,334.02	8,728.19	-888.09
204	L	21341	000	CSR	20004	000	COMPANY #1	0.00	0.00	0.00	0.00
204	L	21342	000	000	00000	000	COMPANY #2	0.00	0.00	0.00	0.00
204	L	21342	000	CSR	20004	000	COMPANY #2	0.00	0.00	0.00	0.00
204	L	21343	000	000	00000	000	COMPANY #3	0.00	0.00	0.00	0.00
204	L	21343	000	CSR	20004	000	COMPANY #3	0.00	0.00	0.00	0.00
204	L	21343	000	POW	20004	000	COMPANY #3	0.00	0.00	0.00	0.00
204	L	21344	000	000	00000	000	COMPANY #4	0.00	0.00	0.00	0.00
204	L	21344	000	CSR	20004	000	COMPANY #4	0.00	0.00	0.00	0.00
204	L	21345	000	000	00000	000	HSA	0.00	12,918.60	12,706.60	0.00
204	L	21345	000	CSR	20004	000	HSA	0.00	0.00	0.00	0.00
204	L	21346	000	000	00000	000	COMPANY #6	0.00	0.00	0.00	0.00
204	L	21346	000	CSR	20004	000	COMPANY #6	0.00	0.00	0.00	0.00
204	L	21346	000	POW	20004	000	COMPANY #6	0.00	0.00	0.00	0.00
204	L	21347	000	000	00000	000	COMPANY #7	0.00	0.00	0.00	0.00
204	L	21347	000	CSR	20004	000	COMPANY #7	0.00	0.00	0.00	0.00
204	L	21348	000	000	00000	000	COMPANY #8	0.00	0.00	0.00	0.00
204	L	21348	000	CSR	20004	000	COMPANY #8	0.00	0.00	0.00	0.00
204	L	21349	000	000	00000	000	TRANSAMERICA	0.00	0.00	0.00	0.00
204	L	21350	000	000	00000	000	TAX SHELTER ANNUITIES	0.00	14,151.80	13,074.04	-937.91
204	L	21351	000	000	00000	000	COMPANY #1	0.00	0.00	0.00	0.00
204	L	21355	000	000	00000	000	COMPANY #5	-149.83	1,828.66	1,851.14	-116.06
204	L	21355	000	CSR	20004	000	COMPANY #5	0.00	0.00	0.00	0.00
04	L	21360	000	000	00000	000	GARNISHMENTS AND LEVIES	0.00	19,975.41	19,975.41	0.00
04	L	21380	000	000	00000	000	CREDIT UNION DEDUCTIONS	0.00	0.00	0.00	0.00
204	L	21391	000	000	00000	000	AIR MED EVAC	0.00	120.00	120.00	0.00
204	L	21391	000	CSR	20004	000	AIR MED EVAC	0.00	0.00	0.00	0.00
204	L	21410	000	000	00000	000	CONTRACTS PAYABLE	0.00	0.00	0.00	0.00
204	L	21420	000	000	00000	000	RETAINAGE PAYABLE	0.00	0.00	0.00	0.00
204	L	21500	000	000	00000	000	DUE TO OTHER FUNDS	0.00	0.00	0.00	0.00

d	T	Acct	Obj	Prj	Loc	Prq	Acct	Beginning Balance	2020-21 FY Credits	2020-21 FY Debits	Ending Balance
J1	A	00000	000	000	000000	000		0.00	0.00	0.00	0.00
801	A	11140	000	000	000000	000	CASH WITH TRUSTEE	0.00	0.00	0.00	0.00
801	A	13200	000	000	000000	000	LAND	355,901.00	0.00	0.00	355,901.00
801	A	13300	000	000	000000	000	BUILDINGS AND IMPROVEMENTS	979,951.18	0.00	0.00	979,951.18
801	A	13310	000	000	000000	000	ACCUMULATED DEPRECIATION-BUILDING	-299,523.46	0.00	0.00	-299,523.46
801	A	13400	000	000	000000	000	INFRASTRUCTURE	27,062,235.73	0.00	0.00	27,062,235.73
801	A	13410	000	000	000000	000	ACCUMULATED DEPRECIATION - INF	-9,156,013.78	0.00	0.00	-9,156,013.78
801	A	13900	000	000	000000	000	OTHER CAPITAL ASSETS	2,227,770.95	0.00	0.00	2,227,770.95
801	A	13910	000	000	000000	000	ACCUMULATED DEPRECIATION - OTH	-2,121,600.35	0.00	0.00	-2,121,600.35
801	A	99999	000	000	000000	000		0.00	0.00	0.00	0.00
801	A	-----	---	---	-----	---	*Asset	19,048,721.27	0.00	0.00	19,048,721.27
801	L	00000	000	000	000000	000		0.00	0.00	0.00	0.00
801	L	21100	000	000	000000	000	ACCOUNTS PAYABLE	0.00	0.00	0.00	0.00
801	L	-----	---	---	-----	---	*Liability	0.00	0.00	0.00	0.00
801	Q	34100	000	000	000000	000	ENCUMBRANCES	0.00	0.00	0.00	0.00
801	Q	34110	000	000	000000	000	ENCUMBRANCES - CURRENT YEAR	0.00	0.00	0.00	0.00
801	Q	34120	000	000	000000	000	ENCUMBRANCES - PRIOR YEAR	0.00	0.00	0.00	0.00
801	Q	39000	000	000	000000	000	UNASSIGNED	0.00	0.00	0.00	0.00
801	Q	39001	000	000	000000	000	REVENUE SUMMARY	0.00	0.00	0.00	0.00
801	Q	39002	000	000	000000	000	EXPENSE SUMMARY	0.00	0.00	0.00	0.00
801	Q	39110	000	000	000000	000	INVESTED IN CAPITAL ASSETS, NE	-19,048,721.27	0.00	0.00	-19,048,721.27
801	Q	-----	---	---	-----	---	*Equity	-19,048,721.27	0.00	0.00	-19,048,721.27
1	-	-----	---	---	-----	---	*CAPITAL ASSETS PUBLIC UTILITY	0.00	0.00	0.00	0.00

Number of Accounts: 88

***** End of report *****

with attachment #4

							Beginning	2020-21	2020-21	Ending	
							Balance	FY Credits	FY Debits	Balance	
204	A	11120	000	000	00000	000	CASH ON HAND	800.00	0.00	0.00	800.00
204	A	11130	000	000	00000	000	CASH IN BANK	1,003.00	2,953.07	2,953.07	1,003.00
204	A	11140	000	000	00000	000	CASH WITH TRUSTEE	4,647,500.16	4,523,879.58	4,206,246.71	4,518,326.17
204	A	11200	000	000	00000	000	INVENTORIES	74,619.88	0.00	0.00	74,619.88
204	A	11410	000	000	00000	000	ACCOUNTS RECEIVABLE	298,949.79	2,290,858.39	2,289,243.18	310,523.07
204	A	11410	000	COW	20003	000	ACCOUNTS RECEIVABLE	0.00	0.00	0.00	0.00
204	A	11430	000	000	00000	000	DUE FROM OTHER GOVERNMENTS	304,772.89	75,212.42	0.00	229,560.47
204	A	11440	000	000	00000	000	DUE FROM OTHER FUNDS	0.00	0.00	0.00	0.00
204	A	11440	000	COW	20003	000	DUE FROM OTHER FUNDS	0.00	0.00	0.00	0.00
204	A	-----	---	---	-----	---	*Asset	5,327,645.72	6,892,903.46	6,498,442.96	5,134,832.59
204	L	00000	000	000	00000	000		0.00	708,602.17	708,602.17	0.00
204	L	21100	000	000	00000	000	ACCOUNTS PAYABLE	-803,232.40	2,518,713.09	3,321,945.49	0.00
204	L	21310	000	000	00000	000	INCOME TAX WITHHELD AND UNPAID	0.00	45,777.48	45,777.48	0.00
204	L	21310	000	CSR	20004	000	INCOME TAX WITHHELD AND UNPAID	0.00	0.00	0.00	0.00
204	L	21310	000	POW	20004	000	INCOME TAX WITHHELD AND UNPAID	0.00	0.00	0.00	0.00
204	L	21320	000	000	00000	000	SOCIAL SECURITY TAX	0.00	64,478.12	64,478.12	0.00
204	L	21320	000	CSR	20004	000	SOCIAL SECURITY TAX	0.00	0.00	0.00	0.00
204	L	21320	000	POW	20004	000	SOCIAL SECURITY TAX	0.00	0.00	0.00	0.00
204	L	21325	000	000	00000	000	EMPLOYEE MEDICARE DEDUCTION	0.00	15,129.12	15,129.12	0.00
204	L	21325	000	CSR	20004	000	EMPLOYEE MEDICARE DEDUCTION	0.00	0.00	0.00	0.00
204	L	21325	000	POW	20004	000	EMPLOYEE MEDICARE DEDUCTION	0.00	0.00	0.00	0.00
204	L	21330	000	000	00000	000	RETIREMENT CONTRIBUTIONS	-5,405.91	65,899.62	61,016.92	-6,200.56
204	L	21330	000	CSR	20004	000	RETIREMENT CONTRIBUTIONS	0.00	0.00	0.00	0.00
204	L	21340	000	000	00000	000	BLUE CROSS BLUE SHIELD HEALTH	-9,694.70	93,793.69	108,595.87	75.22
204	L	21340	000	CSR	20004	000	BLUE CROSS BLUE SHIELD HEALTH	0.00	0.00	0.00	0.00
204	L	21340	000	POW	20004	000	BLUE CROSS BLUE SHIELD HEALTH	0.00	0.00	0.00	0.00
204	L	21341	000	000	00000	000	COMPANY #1	-838.38	8,334.02	8,728.19	-887.04
204	L	21341	000	CSR	20004	000	COMPANY #1	0.00	0.00	0.00	0.00
204	L	21342	000	000	00000	000	COMPANY #2	0.00	0.00	0.00	0.00
204	L	21342	000	CSR	20004	000	COMPANY #2	0.00	0.00	0.00	0.00
204	L	21343	000	000	00000	000	COMPANY #3	0.00	0.00	0.00	0.00
204	L	21343	000	CSR	20004	000	COMPANY #3	0.00	0.00	0.00	0.00
204	L	21343	000	POW	20004	000	COMPANY #3	0.00	0.00	0.00	0.00
204	L	21344	000	000	00000	000	COMPANY #4	0.00	0.00	0.00	0.00
204	L	21344	000	CSR	20004	000	COMPANY #4	0.00	0.00	0.00	0.00
204	L	21345	000	000	00000	000	HSA	0.00	12,918.60	12,706.60	0.00
204	L	21345	000	CSR	20004	000	HSA	0.00	0.00	0.00	0.00
204	L	21346	000	000	00000	000	COMPANY #6	0.00	0.00	0.00	0.00
204	L	21346	000	CSR	20004	000	COMPANY #6	0.00	0.00	0.00	0.00
204	L	21346	000	POW	20004	000	COMPANY #6	0.00	0.00	0.00	0.00
204	L	21347	000	000	00000	000	COMPANY #7	0.00	0.00	0.00	0.00
204	L	21347	000	CSR	20004	000	COMPANY #7	0.00	0.00	0.00	0.00
204	L	21348	000	000	00000	000	COMPANY #8	0.00	0.00	0.00	0.00
204	L	21348	000	CSR	20004	000	COMPANY #8	0.00	0.00	0.00	0.00
204	L	21349	000	000	00000	000	TRANSAMERICA	0.00	0.00	0.00	0.00
204	L	21350	000	000	00000	000	TAX SHELTER ANNUITIES	0.00	14,151.80	13,074.04	-670.91
204	L	21351	000	000	00000	000	COMPANY #1	0.00	0.00	0.00	0.00
204	L	21355	000	000	00000	000	COMPANY #5	-149.83	1,828.66	1,851.14	-169.04
204	L	21355	000	CSR	20004	000	COMPANY #5	0.00	0.00	0.00	0.00
204	L	21360	000	000	00000	000	GARNISHMENTS AND LEVIES	0.00	19,975.41	19,975.41	0.00
204	L	21380	000	000	00000	000	CREDIT UNION DEDUCTIONS	0.00	0.00	0.00	0.00
204	L	21391	000	000	00000	000	AIR MED EVAC	0.00	120.00	120.00	0.00
204	L	21391	000	CSR	20004	000	AIR MED EVAC	0.00	0.00	0.00	0.00
204	L	21410	000	000	00000	000	CONTRACTS PAYABLE	0.00	0.00	0.00	0.00
204	L	21420	000	000	00000	000	RETAINAGE PAYABLE	0.00	0.00	0.00	0.00
204	L	21500	000	000	00000	000	DUE TO OTHER FUNDS	0.00	0.00	0.00	0.00

Water Attachment #4

Id	T	Acct	Obj	Pri	Loc	Prq	Acct	Beginning Balance	2020-21 FY Credits	2020-21 FY Debits	Ending Balance
J1	A	00000	000	000	000000	000		0.00	0.00	0.00	0.00
801	A	11140	000	000	000000	000	CASH WITH TRUSTEE	0.00	0.00	0.00	0.00
801	A	13200	000	000	000000	000	LAND	355,901.00	0.00	0.00	355,901.00
801	A	13300	000	000	000000	000	BUILDINGS AND IMPROVEMENTS	979,951.18	0.00	0.00	979,951.18
801	A	13310	000	000	000000	000	ACCUMULATED DEPRECIATION-BUILDING	-299,523.46	0.00	0.00	-299,523.46
801	A	13400	000	000	000000	000	INFRASTRUCTURE	27,062,235.73	0.00	0.00	27,062,235.73
801	A	13410	000	000	000000	000	ACCUMULATED DEPRECIATION - INF	-9,156,013.78	0.00	0.00	-9,156,013.78
801	A	13900	000	000	000000	000	OTHER CAPITAL ASSETS	2,227,770.95	0.00	0.00	2,227,770.95
801	A	13910	000	000	000000	000	ACCUMULATED DEPRECIATION - OTH	-2,121,600.35	0.00	0.00	-2,121,600.35
801	A	99999	000	000	000000	000		0.00	0.00	0.00	0.00
801	A	-----	---	---	-----	---	*Asset	19,048,721.27	0.00	0.00	19,048,721.27
801	L	00000	000	000	000000	000		0.00	0.00	0.00	0.00
801	L	21100	000	000	000000	000	ACCOUNTS PAYABLE	0.00	0.00	0.00	0.00
801	L	-----	---	---	-----	---	*Liability	0.00	0.00	0.00	0.00
801	Q	34100	000	000	000000	000	ENCUMBRANCES	0.00	0.00	0.00	0.00
801	Q	34110	000	000	000000	000	ENCUMBRANCES - CURRENT YEAR	0.00	0.00	0.00	0.00
801	Q	34120	000	000	000000	000	ENCUMBRANCES - PRIOR YEAR	0.00	0.00	0.00	0.00
801	Q	39000	000	000	000000	000	UNASSIGNED	0.00	0.00	0.00	0.00
801	Q	39001	000	000	000000	000	REVENUE SUMMARY	0.00	0.00	0.00	0.00
801	Q	39002	000	000	000000	000	EXPENSE SUMMARY	0.00	0.00	0.00	0.00
801	Q	39110	000	000	000000	000	INVESTED IN CAPITAL ASSETS, NE	-19,048,721.27	0.00	0.00	-19,048,721.27
801	Q	-----	---	---	-----	---	*Equity	-19,048,721.27	0.00	0.00	-19,048,721.27
1	-----	---	---	---	-----	---	*CAPITAL ASSETS PUBLIC UTILITY	0.00	0.00	0.00	0.00

Number of Accounts: 88

***** End of report *****

with attachments 1-7-19

Account Level December 2020-21 December 2020-21 December 2020-21 Ending

Account Level		December 2020-21		December 2020-21		December 2020-21		Ending			
Date	Acct	Obj	Prj	Loc	Frg	Description	Beginning Balance	Debits	Credits	Balance	
Date	Src	Sub	Batch	Vendor Name/Ref	Batch	PO#/Line#	Description	Inv#/Desc2	Chk#/Rec#	Check Date	Amount
204	A	11140	000	00000	000	CASH WITH TRUSTEE	4,579,747.70	402,608.35	495,667.51	4,486,688.54	
12/01/20	AP	CDCC	30			CHECK REGISTER SUMMARY UPDATE					-2,461.90
12/01/20	AP	CDCC	01			CHECK REGISTER SUMMARY UPDATE					-113,900.52
12/01/20	AP	CDVC	120120			CASH TOTAL					28.53
12/01/20	AP	CDCC	120120			CHECK REGISTER SUMMARY UPDATE					-28.53
12/01/20	AP	CDVC	120120			CASH TOTAL					2.00
12/03/20	AP	CDWC	ZTAX			CASH TOTAL					-6,009.36
12/03/20	AP	CDCC	19			CHECK REGISTER SUMMARY UPDATE					-872.60
12/03/20	AP	CDCC	15			CHECK REGISTER SUMMARY UPDATE					-499.37
12/03/20	AP	CDCC	05			CHECK REGISTER SUMMARY UPDATE					-89.18
12/04/20	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		Regular Payroll		12/02/20	-17,824.89
12/04/20	AP	CDCC	04			CHECK REGISTER SUMMARY UPDATE					-7,604.26
12/04/20	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		Quick Void		12/02/20	914.05
12/04/20	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		Regular Payroll		12/02/20	-414.68
12/04/20	AP	CDCC	04			CHECK REGISTER SUMMARY UPDATE					-14.00
12/12/20	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		Regular Payroll		12/16/20	-230.85
12/15/20	AP	CDWC	ZTAX			CASH TOTAL					-5,760.28
12/15/20	AP	CDCC	15			CHECK REGISTER SUMMARY UPDATE					-8,863.79
12/16/20	AP	CDWC	ZTAX			CASH TOTAL					-38.30
12/16/20	AP	CDCC	16			CHECK REGISTER SUMMARY UPDATE					-2,302.48
12/17/20	AP	CDCC	19			CHECK REGISTER SUMMARY UPDATE					-237.25
12/17/20	AP	CDCC	16			CHECK REGISTER SUMMARY UPDATE					-84,514.27
12/17/20	AP	CDCC	17			CHECK REGISTER SUMMARY UPDATE					-3,364.00
12/17/20	AP	CDCC	15			CHECK REGISTER SUMMARY UPDATE					-642.66
12/18/20	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		Regular Payroll		12/14/20	-431.30
12/18/20	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		Regular Payroll		12/14/20	-16,485.39
12/22/20	AP	CDCC	22			CHECK REGISTER SUMMARY UPDATE					-26,459.44
12/22/20	AP	CDCC	21			CHECK REGISTER SUMMARY UPDATE					-582.64
12/28/20	AP	CDCC	20			CHECK REGISTER SUMMARY UPDATE					-519.62
12/28/20	AP	CDCC	19			CHECK REGISTER SUMMARY UPDATE					-203.33
12/28/20	AP	CDCC	28			CHECK REGISTER SUMMARY UPDATE					-139.01
12/29/20	AP	CDWC	ZTAX			CASH TOTAL					-6,065.64
12/29/20	AP	CDCC	29			CHECK REGISTER SUMMARY UPDATE					-3,349.73
12/29/20	AP	CDCC	na			CHECK REGISTER SUMMARY UPDATE					-488.51
12/29/20	AP	CDVC	na			CASH TOTAL					1,537.18
12/29/20	AP	CDCC	na			CHECK REGISTER SUMMARY UPDATE					-1,397.44
12/30/20	AP	CDCC	na			CHECK REGISTER SUMMARY UPDATE					-954.11
12/31/20	CR	AU	20-00005			CASH TOTAL					0.00
12/31/20	CR		20-00005			CASH TOTAL					44,082.23

WTR Attachment #19

Account Level January 2020-21 January 2020-21 January 2020-21 Ending

End T	Acct	Obj	Prj	Loc	Prg	Description	Beginning Balance	Debits	Credits	Balance	
Date	Src	Sub	Batch	Vendor Name/Ref	PO#/Line#	Description	Inv#/Desc2	Inv Date	Chk#/Rec#	Check Date	Amount
204 A	11140	000	000	0000	000	CASH WITH TRUSTEE	4,486,688.54	1,019,344.45	724,152.54	4,781,880.45	
01/04/21	AP	CDCC	29			CHECK REGISTER SUMMARY UPDATE					-1,047.29
01/04/21	AP	CDCC	04			CHECK REGISTER SUMMARY UPDATE					-1,359.58
01/06/21	AP	CDCC	06			CHECK REGISTER SUMMARY UPDATE					-12,924.36
01/07/21	AP	CDCC	07			CHECK REGISTER SUMMARY UPDATE					-1,968.95
01/07/21	AP	CDCC	05			CHECK REGISTER SUMMARY UPDATE					-89.18
01/08/21	AP	CDCC	08			CHECK REGISTER SUMMARY UPDATE					-457.97
01/13/21	AP	CDWC	ZTAX			CASH TOTAL					-5,711.08
01/13/21	AP	CDCC	13			CHECK REGISTER SUMMARY UPDATE					-3,799.09
01/14/21	AP	CDCC	20			CHECK REGISTER SUMMARY UPDATE					-519.62
01/14/21	AP	CDCC	19			CHECK REGISTER SUMMARY UPDATE					-465.58
01/14/21	AP	CDCC	14			CHECK REGISTER SUMMARY UPDATE					-17.17
01/14/21	AP	CDCC	15			CHECK REGISTER SUMMARY UPDATE					-691.57
01/15/21	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		01/13/21			-16,424.43
01/19/21	AP	CDCC	15			CHECK REGISTER SUMMARY UPDATE					-2,149.81
01/21/21	AP	CDCC	19			CHECK REGISTER SUMMARY UPDATE					-432.02
01/21/21	AP	CDCC	23			CHECK REGISTER SUMMARY UPDATE					-9,511.09
01/21/21	AP	CDCC	28			CHECK REGISTER SUMMARY UPDATE					-114.41
01/21/21	AP	CDCC	21			CHECK REGISTER SUMMARY UPDATE					-154,965.01
01/27/21	AP	CDWC	ZTAX			CASH TOTAL					-5,837.88
01/27/21	AP	CDCC	27			CHECK REGISTER SUMMARY UPDATE					-21,821.57
01/27/21	AP	CDCC	24			CHECK REGISTER SUMMARY UPDATE					-493.27
01/28/21	AP	CDCC	28			CHECK REGISTER SUMMARY UPDATE					-3,947.95
01/28/21	AP	CDCC	19			CHECK REGISTER SUMMARY UPDATE					-465.58
01/28/21	AP	CDCC	15			CHECK REGISTER SUMMARY UPDATE					-512.67
01/29/21	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		01/26/21			-16,997.81
01/31/21	JE		20-00092								-47,834.29
01/31/21	JE		20-00093								-18,653.00
01/31/21	JE		20-00094								-6,242.00
01/31/21	JE		20-00095								-1,565.81
01/31/21	JE		20-00096								-9,375.45
01/31/21	JE		20-00097								-1,391.00
01/31/21	JE		20-00098								-2,920.88
01/31/21	JE		20-00101								291,199.14
01/31/21	CR	AU	20-00006								0.00
01/31/21	CR		20-00006								354,700.14
CASH TOTAL											295,191.91
January											295,191.91
*204 A 11140 000 000 00000 000											295,191.91
*Accounts Payable											-229,302.70

**MARSHALL COUNTY PUBLIC UTILITIES
624 WEST COMMERCE ST
LEWISBURG, TN 37091
(931) 359-6905**

THE MARSHALL COUNTY BOARD OF PUBLIC UTILITIES WATER RATES
EFFECTIVE JULY 1, 2021
RESIDENTIAL WATER RATES ARE AS FOLLOWS:

BASE BILL.....	\$20.00
0 TO 6999 GALLONS.....	\$8.00/1000 GALLONS
7000 TO 12,000 GALLONS.....	\$10.00/1000 GALLONS
OVER 12,000 GALLONS.....	\$15.00/1000 GALLONS

Board approved this rate adjustment on October 20, 2020 in our regular monthly board meeting.

AGRICULTURAL/COMMERCIAL/INDUSTRIAL
WATER RATES ARE AS FOLLOWS:

BASE BILL.....	\$20.00
ALL GALLONS USED.....	\$10.00 per 1,000 GALLONS

In accordance with Federal law and U.S. Department of Agriculture policy, Marshall County Public Utilities is prohibited and therefore does not discriminate on the basis of race, color, national origin, sex, age, or disability. Marshall County Public Utilities is an equal opportunity provider and employer and will not exclude nor discriminate in the contractual bidding process.

Certified Public Accountants
& Consultants

**JACKSON
THORNTON**

**2020 Water Cost of Service Study
12 Months Ended June 30, 2019
Marshall County Board of Public Utilities**

Summary

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Summary of Cost of Service Allocation
Main Menu

	1	2	3	4	5	6	7	Total
	Retail Res	Retail Bus	Retail Ind	Retail A/C/I	Retail Exempt	Wholesale CH	Wholesale HP	Total
TOTAL REV. REQ.								
Operations & Maintenance	\$ 1,524,285	\$ 19,283	\$ 1,638	\$ 43,419	\$ 14,666	\$ 35,070	\$ 28,816	\$ 1,667,177
Plus: Debt Service	\$ 1,132,375	\$ 22,431	\$ 1,435	\$ 50,514	\$ 12,428	\$ 45,598	\$ 34,366	\$ 1,299,147
Plus: Rate Funded Capital	\$ 510,186	\$ 8,216	\$ 577	\$ 17,324	\$ 5,304	\$ 15,412	\$ 11,633	\$ 568,651
Total Revenue Requirement	\$ 3,166,845	\$ 49,929	\$ 3,651	\$ 111,257	\$ 32,399	\$ 96,080	\$ 74,814	\$ 3,534,975
Less: Other Revenue	\$ 563,667	\$ 2,835	\$ 410	\$ 1,195	\$ 4,884	\$ 3	\$ 6	\$ 573,000
Rate Requirement	\$ 2,603,178	\$ 47,094	\$ 3,241	\$ 110,061	\$ 27,515	\$ 96,077	\$ 74,808	\$ 2,961,975

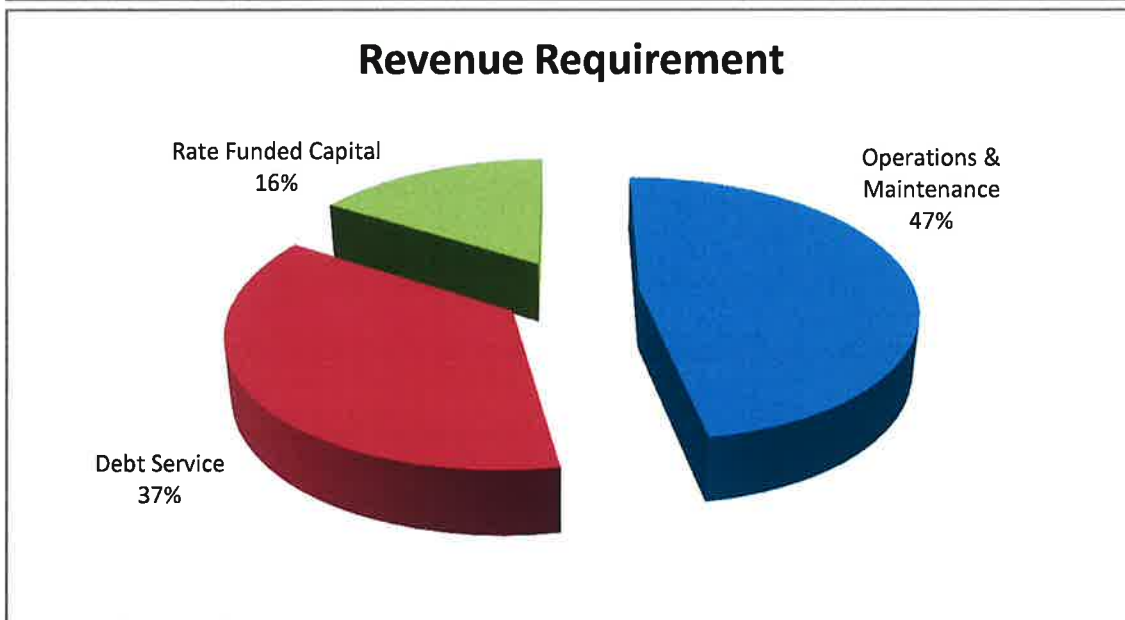
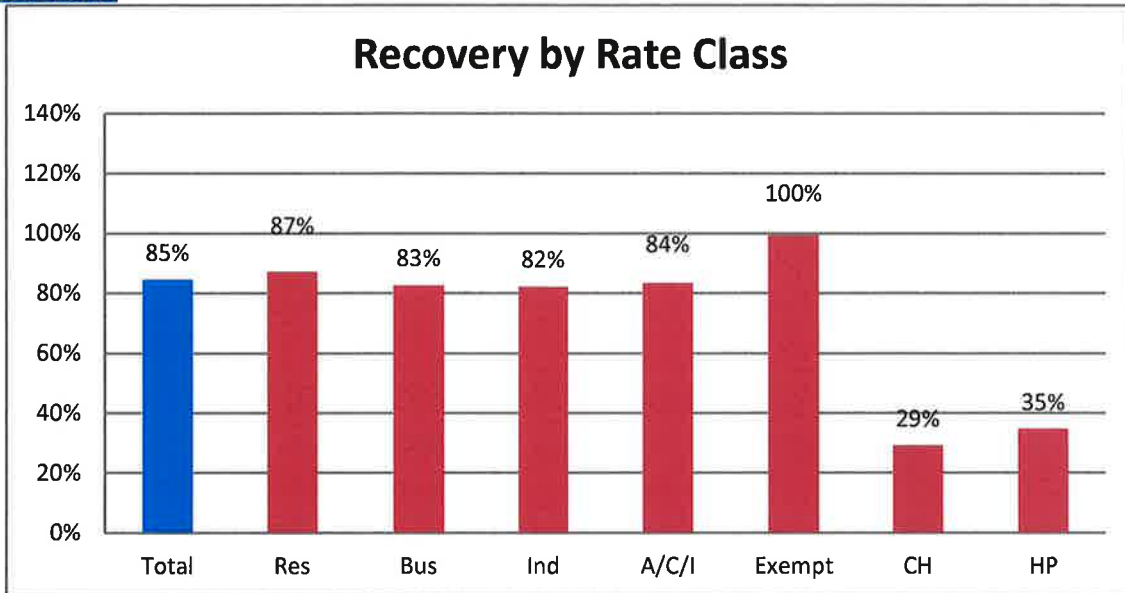
	2019	2020	2021	2022	2023	2024	2025	Total
	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Annual Sales (Kgal)	187,654	2,787	256	9,053	1,737	6,669	6,164	214,321
Rate Rev. Req./Kgal	\$ 13.87	\$ 16.90	\$ 12.66	\$ 12.16	\$ 15.84	\$ 14.41	\$ 12.14	\$ 13.82
Rate Rev. Req./Customer	\$ 52.58	\$ 189.13	\$ 90.03	\$ 1,048.20	\$ 64.14	\$ 13,725.27	\$ 6,234.04	\$ 58.83
CUSTOMER	Total	Res	Ind	A/C/I	Exempt	CH	HP	Total
Operations & Maintenance	\$ 705,627	\$ 3,549	\$ 513	\$ 1,497	\$ 6,114	\$ 100	\$ 171	\$ 717,571
Plus: Debt Service	\$ 1,132,375	\$ 22,431	\$ 1,435	\$ 50,514	\$ 12,428	\$ 45,598	\$ 34,366	\$ 1,299,147
Plus: Rate Funded Capital	\$ 195,715	\$ 984	\$ 142	\$ 415	\$ 1,696	\$ 28	\$ 47	\$ 199,028
Total Revenue Requirement	\$ 2,033,717	\$ 26,964	\$ 2,090	\$ 52,425	\$ 20,239	\$ 45,726	\$ 34,584	\$ 2,215,745
Less: Other Revenue	\$ 563,667	\$ 2,835	\$ 410	\$ 1,195	\$ 4,884	\$ 3	\$ 6	\$ 573,000
Rate Requirement	\$ 1,470,050	\$ 24,129	\$ 1,681	\$ 51,230	\$ 15,354	\$ 45,722	\$ 34,579	\$ 1,642,745

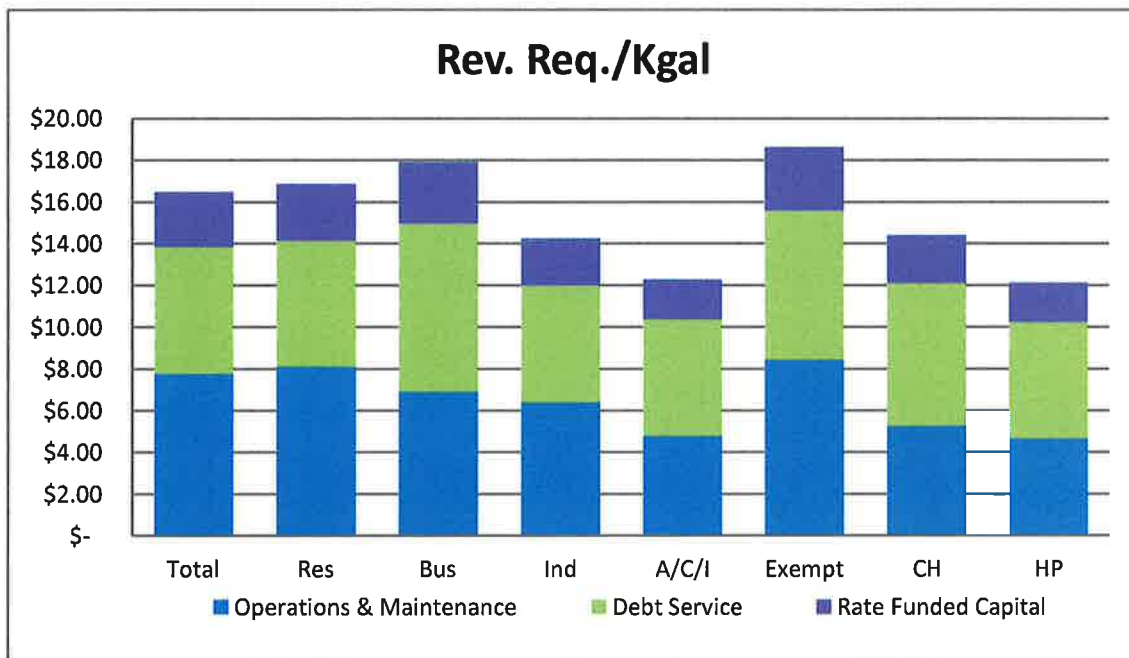
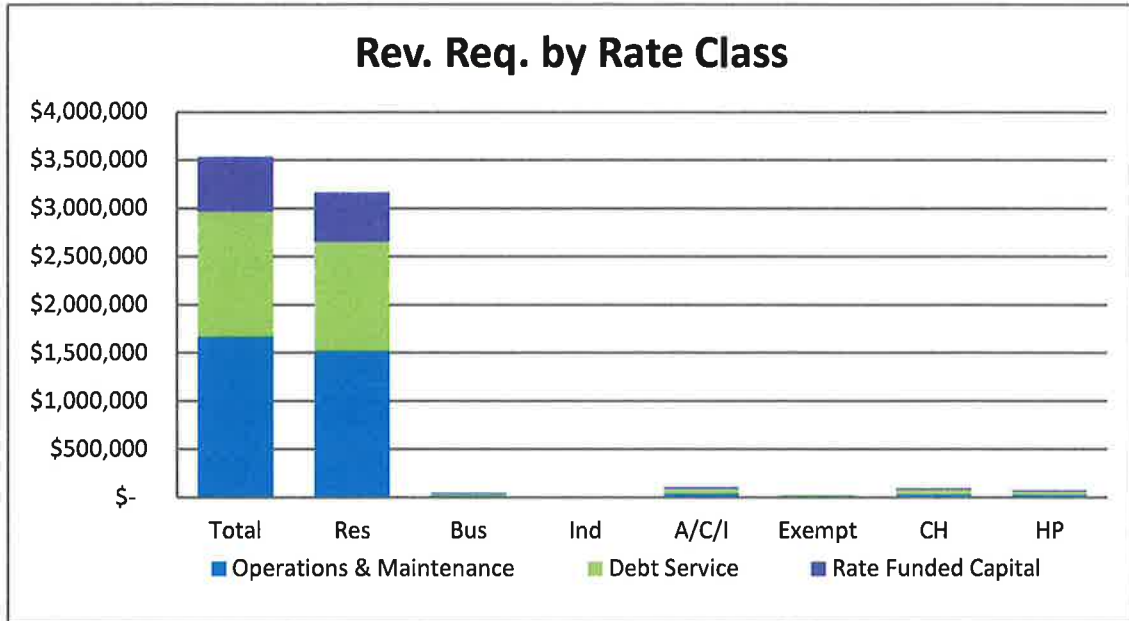
	2019	2020	2021	2022	2023	2024	2025	Total
	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Annual Billings	49,509	249	36	105	429	7	12	50,347
Calculated Customer Charge	\$ 29.69	\$ 96.90	\$ 46.68	\$ 487.90	\$ 35.79	\$ 6,531.77	\$ 2,881.56	
CONSUMPTION	Total	Res	Ind	A/C/I	Exempt	CH	HP	Total
Operations & Maintenance	\$ 818,657	\$ 15,734	\$ 1,125	\$ 41,922	\$ 8,552	\$ 34,971	\$ 28,645	\$ 949,607
Plus: Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Plus: Rate Funded Capital	\$ 314,470	\$ 7,231	\$ 435	\$ 16,909	\$ 3,608	\$ 15,384	\$ 11,585	\$ 369,623
Total Revenue Requirement	\$ 1,133,128	\$ 22,966	\$ 1,560	\$ 58,831	\$ 12,160	\$ 50,355	\$ 40,230	\$ 1,319,230
Less: Other Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate Requirement	\$ 1,133,128	\$ 22,966	\$ 1,560	\$ 58,831	\$ 12,160	\$ 50,355	\$ 40,230	\$ 1,319,230

	2019	2020	2021	2022	2023	2024	2025	Total
	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Calculated Water Rate (Kgal)	\$ 6.04	\$ 8.24	\$ 6.10	\$ 6.50	\$ 7.00	\$ 7.55	\$ 6.53	
CONSUMPTION	Total	Res	Ind	A/C/I	Exempt	CH	HP	Total
Current Rate Revenue	\$ 2,419,262	\$ 2,204,751	\$ 2,597	\$ 91,841	\$ 27,418	\$ 28,156	\$ 26,024	\$ 2,419,262
Over/(Under) Recovery	\$ (542,713)	\$ (398,427)	\$ (644)	\$ (18,220)	\$ (97)	\$ (67,921)	\$ (48,785)	\$ (542,713)
Total Revenue	\$ 2,992,262	\$ 2,768,418	\$ 3,007	\$ 93,036	\$ 32,302	\$ 28,160	\$ 26,030	\$ 2,992,262
Over/(Under) Recovery	\$ (542,713)	\$ (398,427)	\$ (644)	\$ (18,220)	\$ (97)	\$ (67,921)	\$ (48,785)	\$ (542,713)

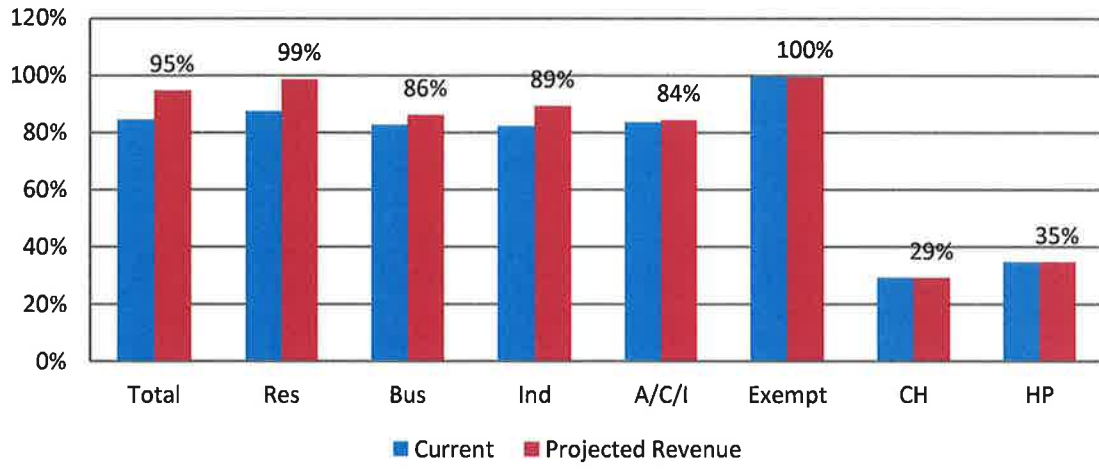
**Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Summary of Results**

[Main Menu](#)





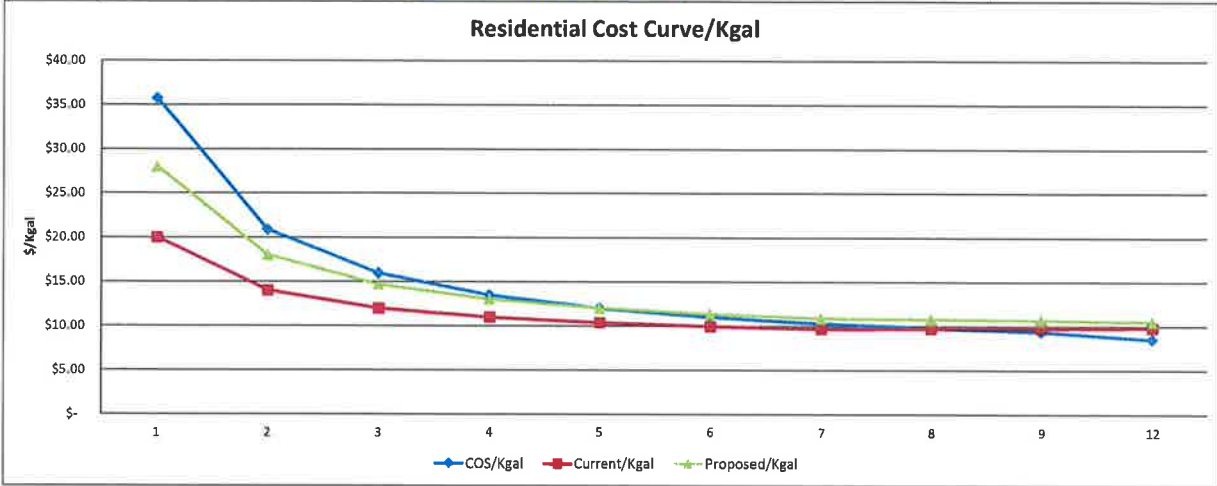
Projected Recovery by Rate Class



Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019

Res
[Main Menu](#)

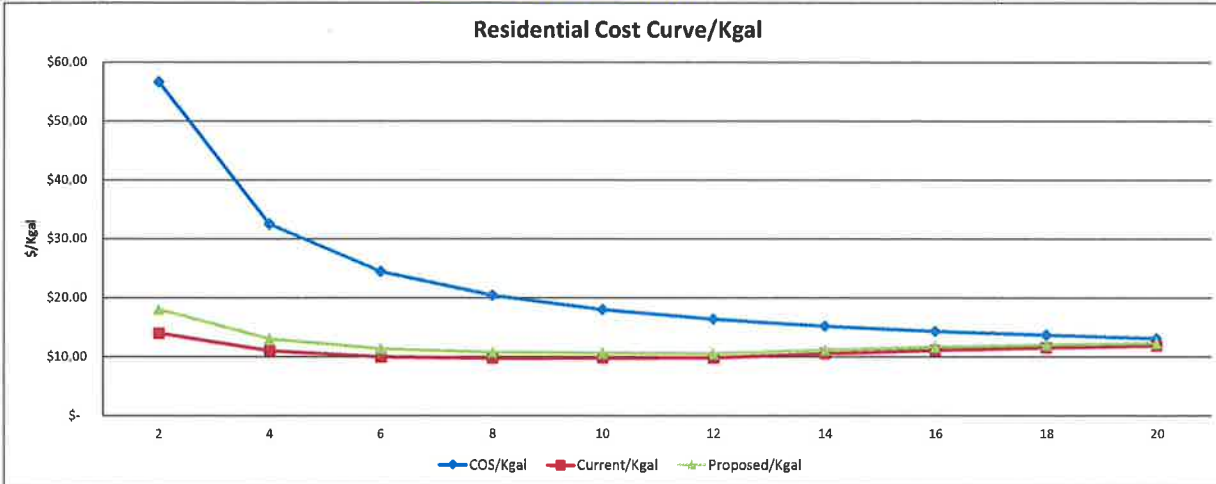
Cost of Service	Current	Proposed	Difference
Base Charge (includes 1,000 gals)	\$ 29.69	\$ 20.00	\$ -
1,001 - 6,999 gals	\$ 6.04	\$ 8.00	\$ -
7,000 - 12,000 gals	\$ 10.00	\$ 10.00	\$ -
Over 12,000 gals	\$ 15.00	\$ 15.00	\$ -



Usage (Kgal)	COS Rates	Current Rates	Proposed Rates	Monthly Change	Daily Change	COS Rate/kGal	Current Rate/kGal	Proposed Rate/kGal	Change/kGal
1	\$ 35.73	\$ 20.00	\$ 28.00	\$ 8.00	\$ 0.27	\$ 35.73	\$ 20.00	\$ 28.00	\$ 8.00
2	\$ 41.77	\$ 28.00	\$ 36.00	\$ 8.00	\$ 0.27	\$ 20.89	\$ 14.00	\$ 18.00	\$ 4.00
3	\$ 47.81	\$ 36.00	\$ 44.00	\$ 8.00	\$ 0.27	\$ 15.94	\$ 12.00	\$ 14.67	\$ 2.67
4	\$ 53.85	\$ 44.00	\$ 52.00	\$ 8.00	\$ 0.27	\$ 13.46	\$ 11.00	\$ 13.00	\$ 2.00
5	\$ 59.89	\$ 52.00	\$ 60.00	\$ 8.00	\$ 0.27	\$ 11.98	\$ 10.40	\$ 12.00	\$ 1.60
6	\$ 65.93	\$ 60.00	\$ 68.00	\$ 8.00	\$ 0.27	\$ 10.99	\$ 10.00	\$ 11.33	\$ 1.33
7	\$ 71.97	\$ 68.00	\$ 76.00	\$ 8.00	\$ 0.27	\$ 10.28	\$ 9.71	\$ 10.86	\$ 1.14
8	\$ 78.01	\$ 78.00	\$ 86.00	\$ 8.00	\$ 0.27	\$ 9.75	\$ 9.75	\$ 10.75	\$ 1.00
9	\$ 84.05	\$ 88.00	\$ 96.00	\$ 8.00	\$ 0.27	\$ 9.34	\$ 9.78	\$ 10.67	\$ 0.89
12	\$ 102.17	\$ 118.00	\$ 126.00	\$ 8.00	\$ 0.27	\$ 8.51	\$ 9.83	\$ 10.50	\$ 0.67
Average Usage		3,790							

Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019
 Bus
[Main Menu](#)

	Cost of Service	Current	Proposed	Difference
Base Charge (includes 1,000 gals)	\$ 96.90	\$ 20.00	\$ 20.00	\$ - No usage included
1,001 - 6,999 gals	\$ 8.24	\$ 8.00	\$ 8.00	\$ - 0 - 6,999 gals
7,000 - 12,000 gals		\$ 10.00	\$ 10.00	\$ -
Over 12,000 gals		\$ 15.00	\$ 15.00	\$ -

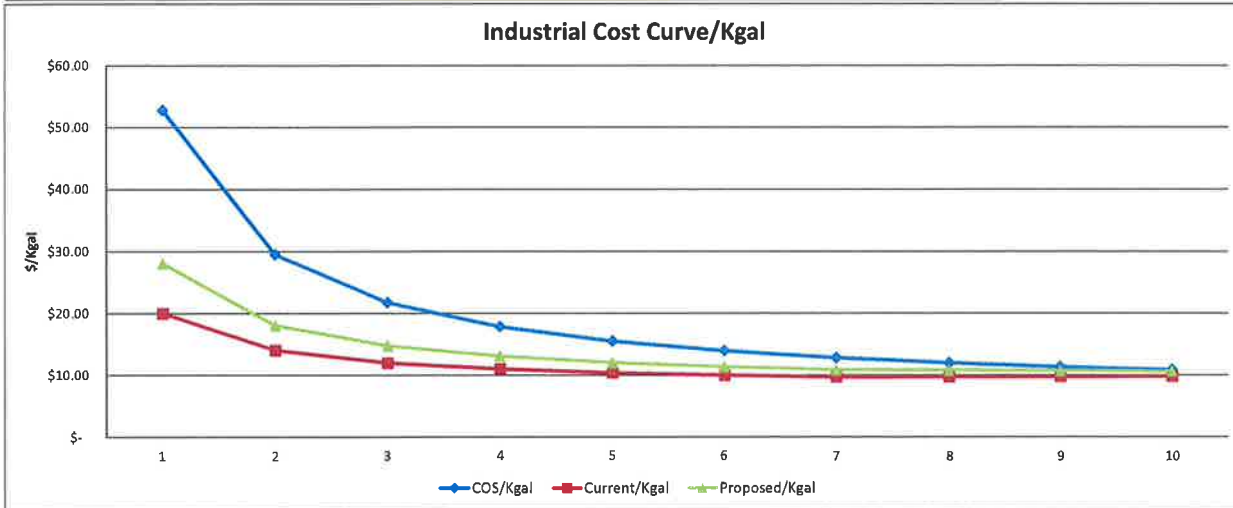


Usage (Kgal)	COS Rates	Current Rates	Proposed Rates	Monthly Change	Daily Change	COS Rate/KGal	Current Rate/KGal	Proposed Rate/KGal	Change/Kgal
2	\$ 113.38	\$ 28.00	\$ 36.00	\$ 8.00	\$ 0.27	\$ 56.69	\$ 14.00	\$ 18.00	\$ 4.00
4	\$ 129.86	\$ 44.00	\$ 52.00	\$ 8.00	\$ 0.27	\$ 32.47	\$ 11.00	\$ 13.00	\$ 2.00
6	\$ 146.34	\$ 60.00	\$ 68.00	\$ 8.00	\$ 0.27	\$ 24.39	\$ 10.00	\$ 11.33	\$ 1.33
8	\$ 162.82	\$ 78.00	\$ 86.00	\$ 8.00	\$ 0.27	\$ 20.35	\$ 9.75	\$ 10.75	\$ 1.00
10	\$ 179.30	\$ 98.00	\$ 106.00	\$ 8.00	\$ 0.27	\$ 17.93	\$ 9.80	\$ 10.60	\$ 0.80
12	\$ 195.78	\$ 118.00	\$ 126.00	\$ 8.00	\$ 0.27	\$ 16.32	\$ 9.83	\$ 10.60	\$ 0.67
14	\$ 212.26	\$ 148.00	\$ 156.00	\$ 8.00	\$ 0.27	\$ 15.16	\$ 10.57	\$ 11.14	\$ 0.57
16	\$ 228.74	\$ 178.00	\$ 186.00	\$ 8.00	\$ 0.27	\$ 14.30	\$ 11.13	\$ 11.63	\$ 0.50
18	\$ 245.22	\$ 208.00	\$ 216.00	\$ 8.00	\$ 0.27	\$ 13.62	\$ 11.56	\$ 12.00	\$ 0.44
20	\$ 261.70	\$ 238.00	\$ 246.00	\$ 8.00	\$ 0.27	\$ 13.09	\$ 11.90	\$ 12.30	\$ 0.40
Average Usage		11,192							

Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019

Ind
[Main Menu](#)

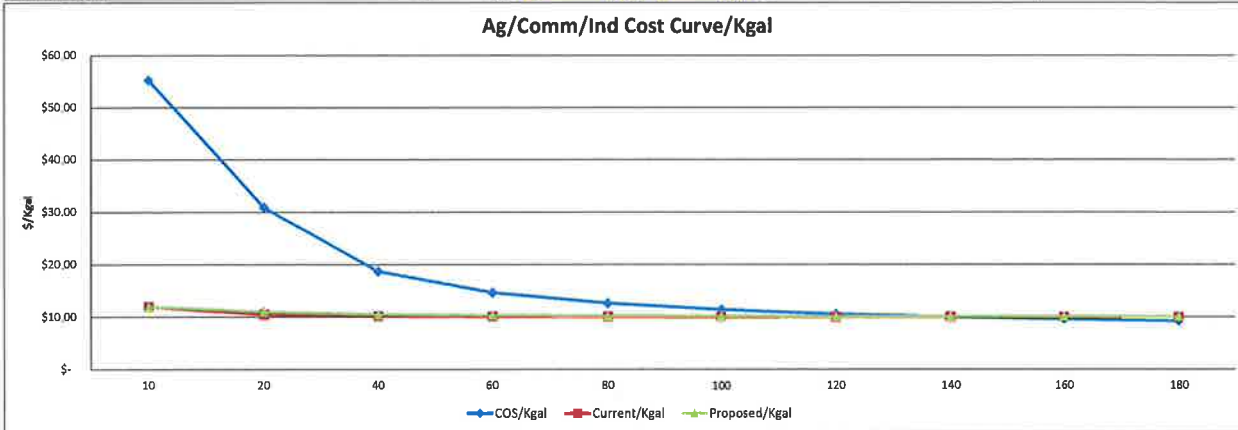
	Cost of Service	Current	Proposed	Difference	
Base Charge (includes 1,000 gals)	\$ 46.68	\$ 20.00	\$ 20.00	\$ -	No usage included
1,001 - 6,999 gals	\$ 6.10	\$ 8.00	\$ 8.00	\$ -	0 - 6,999 gals
7,000 - 12,000 gals	\$ -	\$ 10.00	\$ 10.00	\$ -	
Over 12,000 gals	\$ -	\$ 15.00	\$ 15.00	\$ -	



Usage (Kgal)	COS Rates	Current Rates	Proposed Rates	Monthly Change	Daily Change	COS Rate/kGal	Current Rate/kGal	Proposed Rate/kGal	Change/Kgal
1	\$ 52.78	\$ 20.00	\$ 28.00	\$ 8.00	\$ 0.27	\$ 52.78	\$ 20.00	\$ 28.00	\$ 8.00
2	\$ 58.88	\$ 28.00	\$ 36.00	\$ 8.00	\$ 0.27	\$ 29.44	\$ 14.00	\$ 18.00	\$ 4.00
3	\$ 64.98	\$ 36.00	\$ 44.00	\$ 8.00	\$ 0.27	\$ 21.66	\$ 12.00	\$ 14.67	\$ 2.67
4	\$ 71.08	\$ 44.00	\$ 52.00	\$ 8.00	\$ 0.27	\$ 17.77	\$ 11.00	\$ 13.00	\$ 2.00
5	\$ 77.18	\$ 52.00	\$ 60.00	\$ 8.00	\$ 0.27	\$ 15.44	\$ 10.40	\$ 12.00	\$ 1.60
6	\$ 83.28	\$ 60.00	\$ 68.00	\$ 8.00	\$ 0.27	\$ 13.88	\$ 10.00	\$ 11.33	\$ 1.33
7	\$ 89.38	\$ 68.00	\$ 76.00	\$ 8.00	\$ 0.27	\$ 12.77	\$ 9.71	\$ 10.86	\$ 1.14
8	\$ 95.48	\$ 76.00	\$ 84.00	\$ 8.00	\$ 0.27	\$ 11.94	\$ 9.75	\$ 10.75	\$ 1.00
9	\$ 101.58	\$ 84.00	\$ 92.00	\$ 8.00	\$ 0.27	\$ 11.29	\$ 9.78	\$ 10.67	\$ 0.89
10	\$ 107.68	\$ 92.00	\$ 100.00	\$ 8.00	\$ 0.27	\$ 10.77	\$ 9.80	\$ 10.60	\$ 0.80
Average Usage		7.111							

Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019
 A/C/I
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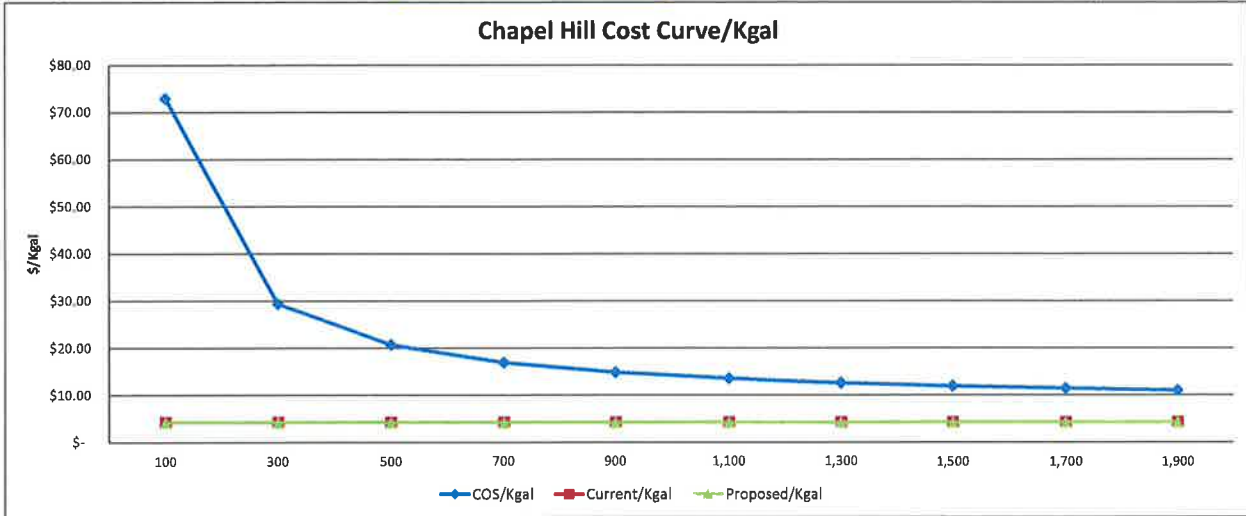
	Cost of Service	Current	Proposed	Difference
Base Charge (includes 1,000 gals)	\$ 487.90	\$ 20.00	\$ 20.00	\$ -
Over 1,000 gals	\$ 6.50	\$ 10.00	\$ 10.00	\$ -



Usage (Kgal)	COS Rates	Current Rates	Proposed Rates	Monthly Change	Daily Change	COS Rate/Kgal	Current Rate/Kgal	Proposed Rate/Kgal	Change/Kgal
10	\$ 552.90	\$ 120.00	\$ 120.00	\$ -	\$ -	\$ 55.29	\$ 12.00	\$ 12.00	\$ -
20	\$ 617.90	\$ 210.00	\$ 220.00	\$ 10.00	\$ 0.33	\$ 30.90	\$ 10.50	\$ 11.00	\$ 0.50
40	\$ 747.90	\$ 410.00	\$ 420.00	\$ 10.00	\$ 0.33	\$ 18.70	\$ 10.25	\$ 10.50	\$ 0.25
60	\$ 877.90	\$ 610.00	\$ 620.00	\$ 10.00	\$ 0.33	\$ 14.63	\$ 10.17	\$ 10.33	\$ 0.17
80	\$ 1,007.90	\$ 810.00	\$ 820.00	\$ 10.00	\$ 0.33	\$ 12.60	\$ 10.13	\$ 10.25	\$ 0.13
100	\$ 1,137.90	\$ 1,010.00	\$ 1,020.00	\$ 10.00	\$ 0.33	\$ 11.38	\$ 10.10	\$ 10.20	\$ 0.10
120	\$ 1,267.90	\$ 1,210.00	\$ 1,220.00	\$ 10.00	\$ 0.33	\$ 10.57	\$ 10.08	\$ 10.17	\$ 0.08
140	\$ 1,397.90	\$ 1,410.00	\$ 1,420.00	\$ 10.00	\$ 0.33	\$ 9.99	\$ 10.07	\$ 10.14	\$ 0.07
160	\$ 1,527.90	\$ 1,610.00	\$ 1,620.00	\$ 10.00	\$ 0.33	\$ 9.55	\$ 10.06	\$ 10.13	\$ 0.06
180	\$ 1,657.90	\$ 1,810.00	\$ 1,820.00	\$ 10.00	\$ 0.33	\$ 9.21	\$ 10.06	\$ 10.11	\$ 0.06
Average Usage		85.222							

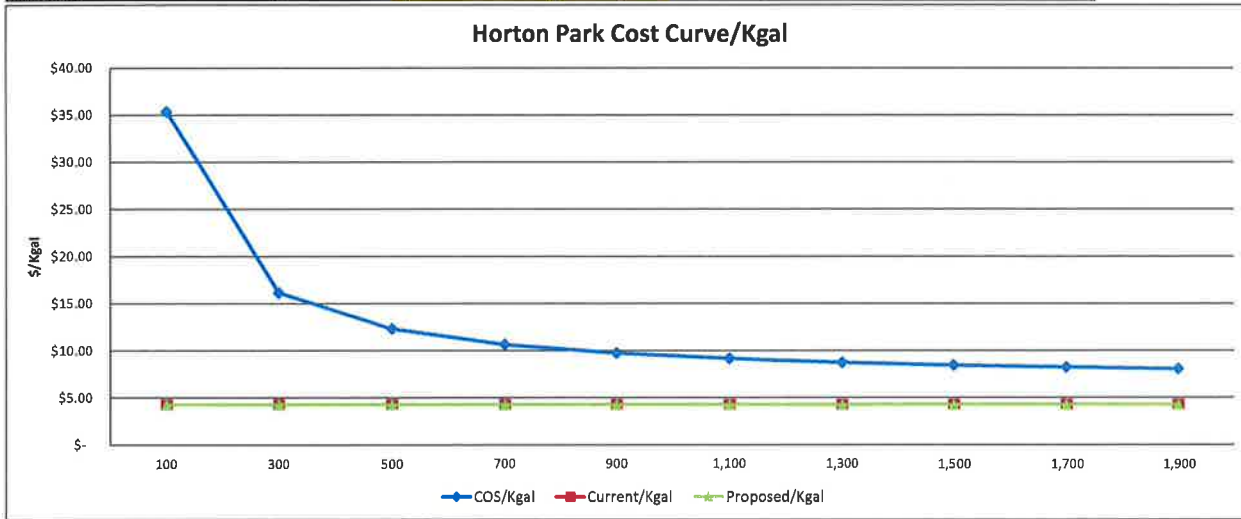
Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019
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	Cost of Service	Current	Proposed	Difference
Base Charge	\$ 6,531.77	\$ -	\$ -	\$ -
All usage	\$ 7.55	\$ 4.2500	\$ 4.2500	\$ -



Usage (Kgal)	COS Rates	Current Rates	Proposed Rates	Monthly Change	Daily Change	COS Rate/kGal	Current Rate/kGal	Proposed Rate/kGal	Change/Kgal
100	\$ 7,286.77	\$ 425.00	\$ 425.00	\$ -	\$ -	\$ 72.87	\$ 4.25	\$ 4.25	\$ -
300	\$ 8,796.77	\$ 1,275.00	\$ 1,275.00	\$ -	\$ -	\$ 29.32	\$ 4.25	\$ 4.25	\$ -
500	\$ 10,306.77	\$ 2,125.00	\$ 2,125.00	\$ -	\$ -	\$ 20.61	\$ 4.25	\$ 4.25	\$ -
700	\$ 11,816.77	\$ 2,975.00	\$ 2,975.00	\$ -	\$ -	\$ 16.88	\$ 4.25	\$ 4.25	\$ -
900	\$ 13,326.77	\$ 3,825.00	\$ 3,825.00	\$ -	\$ -	\$ 14.81	\$ 4.25	\$ 4.25	\$ -
1,100	\$ 14,836.77	\$ 4,675.00	\$ 4,675.00	\$ -	\$ -	\$ 13.49	\$ 4.25	\$ 4.25	\$ -
1,300	\$ 16,346.77	\$ 5,525.00	\$ 5,525.00	\$ -	\$ -	\$ 12.57	\$ 4.25	\$ 4.25	\$ -
1,500	\$ 17,856.77	\$ 6,375.00	\$ 6,375.00	\$ -	\$ -	\$ 11.90	\$ 4.25	\$ 4.25	\$ -
1,700	\$ 19,366.77	\$ 7,225.00	\$ 7,225.00	\$ -	\$ -	\$ 11.39	\$ 4.25	\$ 4.25	\$ -
1,900	\$ 20,876.77	\$ 8,075.00	\$ 8,075.00	\$ -	\$ -	\$ 10.99	\$ 4.25	\$ 4.25	\$ -
Average Usage		952,757							

	Cost of Service	Current	Proposed	Difference
Base Charge	\$ 2,881.56	\$ -	\$ -	\$ -
All usage	\$ 6.53	\$ 4.2500	\$ 4.2500	\$ -



Usage (Kgal)	COS Rates	Current Rates	Proposed Rates	Monthly Change	Daily Change	COS Rate/kGal	Current Rate/kGal	Proposed Rate/kGal	Change/Kgal
100	\$ 3,534.56	\$ 425.00	\$ 425.00	\$ -	\$ -	\$ 35.35	\$ 4.25	\$ 4.25	\$ -
300	\$ 4,840.56	\$ 1,275.00	\$ 1,275.00	\$ -	\$ -	\$ 16.14	\$ 4.25	\$ 4.25	\$ -
500	\$ 6,146.56	\$ 2,125.00	\$ 2,125.00	\$ -	\$ -	\$ 12.29	\$ 4.25	\$ 4.25	\$ -
700	\$ 7,452.56	\$ 2,975.00	\$ 2,975.00	\$ -	\$ -	\$ 10.65	\$ 4.25	\$ 4.25	\$ -
900	\$ 8,758.56	\$ 3,825.00	\$ 3,825.00	\$ -	\$ -	\$ 9.73	\$ 4.25	\$ 4.25	\$ -
1,100	\$ 10,064.56	\$ 4,675.00	\$ 4,675.00	\$ -	\$ -	\$ 9.15	\$ 4.25	\$ 4.25	\$ -
1,300	\$ 11,370.56	\$ 5,525.00	\$ 5,525.00	\$ -	\$ -	\$ 8.75	\$ 4.25	\$ 4.25	\$ -
1,500	\$ 12,676.56	\$ 6,375.00	\$ 6,375.00	\$ -	\$ -	\$ 8.45	\$ 4.25	\$ 4.25	\$ -
1,700	\$ 13,982.56	\$ 7,225.00	\$ 7,225.00	\$ -	\$ -	\$ 8.23	\$ 4.25	\$ 4.25	\$ -
1,900	\$ 15,288.56	\$ 8,075.00	\$ 8,075.00	\$ -	\$ -	\$ 8.05	\$ 4.25	\$ 4.25	\$ -
Average Usage		513,683							

Billing Data

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Customer Billing Data

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	1	2	3	4	5	6	7	
Customer Billings	Retail Res	Retail Bus	Retail Ind	Retail A/C/I	Retail Exempt	Wholesale CH	Wholesale HP	Total
Jan-19	4,135	20	3	12	35	1	1	4,207
Feb-19	4,142	20	3	12	35	1	1	4,214
Mar-19	4,148	20	3	12	35	-	1	4,219
Apr-19	4,153	19	3	12	35	1	1	4,224
May-19	4,165	19	3	12	35	-	1	4,235
Jun-19	4,180	19	3	12	35	-	1	4,250
Jul-18	4,063	24	3	-	38	1	1	4,130
Aug-18	4,073	24	3	-	38	1	1	4,140
Sep-18	4,096	24	3	-	38	1	1	4,163
Oct-18	4,107	20	3	11	35	1	1	4,178
Nov-18	4,119	20	3	11	35	-	1	4,189
Dec-18	4,128	20	3	11	35	-	1	4,198
Total Customers	49,509	249	36	105	429	7	12	50,347
Retail Customers	49,509	249	36	105	429			50,328
Wholesale Customers						7	12	19
Weighting Factor	2.00	1.00	1.00	1.00	1.00	1.00	2.00	
Weighted Customers	99,018	249	36	105	429	7	24	99,868

AF

21	Total Customers	98%	0%	0%	0%	1%	0%	0%	100%
22	Retail Customers	98%	0%	0%	0%	1%	0%	0%	100%
23	Wholesale Customers	0%	0%	0%	0%	0%	37%	63%	100%
25	Weighted Customers	99%	0%	0%	0%	0%	0%	0%	100%

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Water Billing Data

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Gallons	1 Retail Res	2 Retail Bus	3 Retail Ind	4 Retail A/C/I	5 Retail Exempt	6 Wholesale CH	7 Wholesale HP	Total
Jan-19	14,455,400	59,300	24,600	961,700	89,800	58,000	605,200	16,254,000
Feb-19	13,274,900	58,100	22,000	808,500	48,200	347,300	536,400	15,095,400
Mar-19	15,415,800	81,500	26,300	1,400,400	62,300	-	221,000	17,207,300
Apr-19	13,377,900	61,000	23,400	650,200	52,500	98,000	248,800	14,511,800
May-19	15,434,200	62,800	28,600	993,000	73,800	-	453,600	17,046,000
Jun-19	16,325,100	58,000	16,400	703,200	46,500	-	1,103,400	18,252,600
Jul-18	15,901,800	401,400	16,100	-	340,700	2,260,600	706,500	19,627,100
Aug-18	19,284,600	1,245,200	16,300	-	406,700	933,300	594,400	22,480,500
Sep-18	16,398,700	532,200	18,500	-	439,400	899,200	404,300	18,692,300
Oct-18	17,443,800	85,100	18,300	1,580,900	60,600	2,072,900	483,100	21,744,700
Nov-18	14,162,300	67,100	19,100	899,300	51,500	-	468,800	15,668,100
Dec-18	16,179,400	75,200	26,400	1,056,100	65,300	-	338,700	17,741,100
Total Water Sales	187,653,900	2,786,900	256,000	9,053,300	1,737,300	6,669,300	6,164,200	214,320,900
Retail Water Sales	187,653,900	2,786,900	256,000	9,053,300	1,737,300			201,487,400
Wholesale Water Sales						6,669,300	6,164,200	12,833,500
1-CP	19,284,600	1,245,200	16,300	-	406,700	933,300	594,400	22,480,500
12-NCP	19,284,600	1,245,200	28,600	1,580,900	439,400	2,260,600	1,103,400	25,942,700

AF

30	Total Water Sales	88%	1%	0%	4%	1%	3%	3%	100%
31	Retail Water Sales	93%	1%	0%	4%	1%	0%	0%	100%
32	Wholesale Water Sales	0%	0%	0%	0%	0%	52%	48%	100%
33	1-CP	86%	6%	0%	0%	2%	4%	3%	100%
34	12-NCP	74%	5%	0%	6%	2%	9%	4%	100%

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Average Usage per Customer

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	1	2	3	4	5	6	7
	Retail Res	Retail Bus	Retail Ind	Retail A/C/I	Retail Exempt	Wholesale CH	Wholesale HP
Jan-19	3,496	2,965	8,200	80,142	2,566	58,000	605,200
Feb-19	3,205	2,905	7,333	67,375	1,377	347,300	536,400
Mar-19	3,716	4,075	8,767	116,700	1,780	-	221,000
Apr-19	3,221	3,211	7,800	54,183	1,500	98,000	248,800
May-19	3,706	3,305	9,533	82,750	2,109	-	453,600
Jun-19	3,906	3,053	5,467	58,600	1,329	-	1,103,400
Jul-18	3,914	16,725	5,367	-	8,966	2,260,600	706,500
Aug-18	4,735	51,883	5,433	-	10,703	933,300	594,400
Sep-18	4,004	22,175	6,167	-	11,563	899,200	404,300
Oct-18	4,247	4,255	6,100	143,718	1,731	2,072,900	483,100
Nov-18	3,438	3,355	6,367	81,755	1,471	-	468,800
Dec-18	3,919	3,760	8,800	96,009	1,866	-	338,700
Average	3,792	10,139	7,111	65,103	3,913	555,775	513,683
Summer Average (Jun-Oct)	4,161	19,618	5,707	40,464	6,858	1,233,200	658,340
Winter Average	3,529	3,368	8,114	82,702	1,810	71,900	410,357
Percent Summer of Average	110%	193%	80%	62%	175%	222%	128%

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Revenue Billing Data

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Revenue Billings	1 Retail Res	2 Retail Bus	3 Retail Ind	4 Retail A/C/I	5 Retail Exempt	6 Wholesale CH	7 Wholesale HP	Total
Jan-19	\$ 174,195	\$ 779	\$ 253	\$ 9,737	\$ 1,489	\$ 247	\$ 2,572	\$ 189,272
Feb-19	\$ 162,413	\$ 773	\$ 223	\$ 8,205	\$ 954	\$ 1,476	\$ 2,280	\$ 176,324
Mar-19	\$ 181,087	\$ 995	\$ 277	\$ 14,976	\$ 1,096	\$ -	\$ 939	\$ 199,370
Apr-19	\$ 162,535	\$ 849	\$ 239	\$ 6,622	\$ 1,029	\$ 417	\$ 1,057	\$ 172,747
May-19	\$ 181,710	\$ 767	\$ 280	\$ 10,050	\$ 1,196	\$ -	\$ 1,928	\$ 195,931
Jun-19	\$ 192,539	\$ 733	\$ 167	\$ 7,152	\$ 989	\$ -	\$ 4,689	\$ 206,269
Jul-18	\$ 188,701	\$ 5,560	\$ 166	\$ -	\$ 5,095	\$ 9,608	\$ 3,003	\$ 212,132
Aug-18	\$ 222,505	\$ 18,096	\$ 167	\$ -	\$ 6,063	\$ 3,967	\$ 2,526	\$ 253,323
Sep-18	\$ 194,377	\$ 7,453	\$ 188	\$ -	\$ 6,571	\$ 3,822	\$ 1,718	\$ 214,129
Oct-18	\$ 200,640	\$ 1,006	\$ 185	\$ 15,919	\$ 1,034	\$ 8,810	\$ 2,053	\$ 229,646
Nov-18	\$ 171,806	\$ 817	\$ 193	\$ 9,113	\$ 991	\$ -	\$ 1,992	\$ 184,912
Dec-18	\$ 186,989	\$ 907	\$ 276	\$ 10,681	\$ 1,093	\$ -	\$ 1,439	\$ 201,385
Total Revenue	\$ 2,219,496	\$ 38,732	\$ 2,614	\$ 92,455	\$ 27,602	\$ 28,345	\$ 26,198	\$ 2,435,441
Retail Revenue	\$ 2,219,496	\$ 38,732	\$ 2,614	\$ 92,455	\$ 27,602			\$ 2,380,898
Wholesale Revenue						\$ 28,345	\$ 26,198	\$ 54,542
								Booked Revenue
								\$ 2,419,262

AF

50 Total Revenue	91%	2%	0%	4%	1%	1%	1%	100%
51 Retail Revenue	93%	2%	0%	4%	1%	0%	0%	100%
52 Wholesale Revenue	0%	0%	0%	0%	0%	52%	48%	100%

**Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019
 Revenue per Kgal**

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	1	2	3	4	5	6	7
	Retail Res	Retail Bus	Retail Ind	Retail A/C/I	Retail Exempt	Wholesale CH	Wholesale HP
Jan-19	\$ 12.05	\$ 13.13	\$ 10.30	\$ 10.12	\$ 16.59	\$ 4.25	\$ 4.25
Feb-19	\$ 12.23	\$ 13.31	\$ 10.15	\$ 10.15	\$ 19.80	\$ 4.25	\$ 4.25
Mar-19	\$ 11.75	\$ 12.20	\$ 10.52	\$ 10.69	\$ 17.60	\$ -	\$ 4.25
Apr-19	\$ 12.15	\$ 13.91	\$ 10.21	\$ 10.18	\$ 19.60	\$ 4.25	\$ 4.25
May-19	\$ 11.77	\$ 12.22	\$ 9.79	\$ 10.12	\$ 16.21	\$ -	\$ 4.25
Jun-19	\$ 11.79	\$ 12.63	\$ 10.20	\$ 10.17	\$ 21.27	\$ -	\$ 4.25
Jul-18	\$ 11.87	\$ 13.85	\$ 10.30	\$ -	\$ 14.96	\$ 4.25	\$ 4.25
Aug-18	\$ 11.54	\$ 14.53	\$ 10.27	\$ -	\$ 14.91	\$ 4.25	\$ 4.25
Sep-18	\$ 11.85	\$ 14.00	\$ 10.15	\$ -	\$ 14.96	\$ 4.25	\$ 4.25
Oct-18	\$ 11.50	\$ 11.82	\$ 10.11	\$ 10.07	\$ 17.06	\$ 4.25	\$ 4.25
Nov-18	\$ 12.13	\$ 12.17	\$ 10.08	\$ 10.13	\$ 19.24	\$ -	\$ 4.25
Dec-18	\$ 11.56	\$ 12.06	\$ 10.46	\$ 10.11	\$ 16.74	\$ -	\$ 4.25
Average	\$ 11.85	\$ 12.99	\$ 10.21	\$ 7.65	\$ 17.41	\$ 2.48	\$ 4.25

Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019
 Allocation of Other Revenues
 Main Menu

	Actual	Adj.	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total	Cust
Operating Income	\$ 2,372	\$ (2,372)	\$ -	\$ 21	\$ 942	\$ 136	\$ 397	\$ 1,623	\$ -	\$ -	\$ 190,400	100%
Past Due Collections	\$ 190,400		\$ 190,400	\$ 187,302	\$ 942	\$ 136	\$ 397	\$ 1,623	\$ -	\$ -	\$ 190,400	100%
Water Tap Sales	\$ 17,250		\$ 17,250	\$ 16,969	\$ 85	\$ 12	\$ 36	\$ 147	\$ -	\$ -	\$ 17,250	100%
Service Charges	\$ 40		\$ 40	\$ 39	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ 40	100%
Installment Fee	\$ 162		\$ 162	\$ 159	\$ 1	\$ 0	\$ 0	\$ 1	\$ -	\$ -	\$ 162	100%
Meter Change-out Fee	\$ 27,277		\$ 27,277	\$ 26,833	\$ 135	\$ 20	\$ 57	\$ 233	\$ -	\$ -	\$ 27,277	100%
Nonrefundable Conn Fee	\$ 6		\$ 6	\$ 6	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ 6	100%
Processing Fee	\$ 1,376		\$ 1,376	\$ 1,354	\$ 7	\$ 1	\$ 3	\$ 12	\$ -	\$ -	\$ 1,376	100%
Returned Ck Service Fee	\$ 9,320		\$ 9,320	\$ 9,168	\$ 46	\$ 7	\$ 19	\$ 79	\$ -	\$ -	\$ 9,320	100%
Reconnection Fee	\$ 2,565		\$ 2,565	\$ 2,523	\$ 13	\$ 2	\$ 5	\$ 22	\$ -	\$ -	\$ 2,565	100%
Meter Fee Alt Hours	\$ 54		\$ 54	\$ 53	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ 54	100%
Meter Trail Coupling	\$ 227		\$ 227	\$ 223	\$ 1	\$ 0	\$ 0	\$ 2	\$ -	\$ -	\$ 227	100%
Meter Riser Resetter Fee	\$ 105		\$ 105	\$ 103	\$ 1	\$ 0	\$ 0	\$ 1	\$ -	\$ -	\$ 105	100%
Service Call Fee Regular Hours	\$ 50		\$ 50	\$ 49	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ 50	100%
Service Charges - Cutlf	\$ 15		\$ 15	\$ 15	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ 15	100%
Meter Testing	\$ 15		\$ 15	\$ 15	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ 15	100%
Subtotal Operating	\$ 251,219	\$ (2,372)	\$ 248,847	\$ 244,797	\$ 1,231	\$ 178	\$ 519	\$ 2,121	\$ -	\$ -	\$ 248,847	100%

	Actual	Adj.	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total	Cust
Non-Operating Income	\$ 21,307		\$ 21,307	\$ 20,952	\$ 105	\$ 15	\$ 44	\$ 182	\$ 3	\$ 5	\$ 21,307	100%
Investment Income	\$ 688		\$ 688	\$ 677	\$ 3	\$ 0	\$ 1	\$ 6	\$ 0	\$ 0	\$ 688	100%
Miscellaneous Refunds	\$ 2,159		\$ 2,159	\$ 2,123	\$ 11	\$ 2	\$ 5	\$ 18	\$ 0	\$ 1	\$ 2,159	100%
Other Local Revenues	\$ 626	\$ (626)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	100%
Insurance Recovery	\$ 300,000		\$ 300,000	\$ 295,118	\$ 1,484	\$ 215	\$ 626	\$ 2,557	\$ -	\$ -	\$ 300,000	100%
Transfers In	\$ 324,780	\$ (626)	\$ 324,153	\$ 318,869	\$ 1,604	\$ 232	\$ 676	\$ 2,763	\$ 3	\$ 6	\$ 324,153	100%
Subtotal Non-Operating	\$ 575,999	\$ (626)	\$ 573,000	\$ 563,667	\$ 2,835	\$ 410	\$ 1,195	\$ 4,884	\$ 3	\$ 6	\$ 573,000	100%

	Actual	Adj.	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total	Cust
Total Other Revenue	\$ 575,999	\$ (2,998)	\$ 573,000	\$ 563,667	\$ 2,835	\$ 410	\$ 1,195	\$ 4,884	\$ 3	\$ 6	\$ 573,000	100%
				98%	0%	0%	0%	1%	0%	0%	100%	

Allocation Factors

**Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation Factors**

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	1	2	3	4	5	6	7	Total	174,141,600	40,179,300	214,320,900
	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total	Base	Ex-Cap	Cust FP
CUSTOMER											
Res	100%	0%	0%	0%	0%	0%	0%	100%*	81%	19%	0%
Bus	0%	100%	0%	0%	0%	0%	0%	100%*	53%	12%	35%
Ind	0%	0%	100%	0%	0%	0%	0%	100%*	81%	19%	0%
A/C/I	0%	0%	0%	100%	0%	0%	0%	100%*	53%	12%	35%
Exempt	0%	0%	0%	0%	100%	0%	0%	100%*	53%	12%	35%
CH	0%	0%	0%	0%	0%	100%	0%	100%*	53%	12%	35%
HP	0%	0%	0%	0%	0%	0%	100%	100%*	53%	12%	35%
Total Customers	98%	0%	0%	0%	1%	0%	0%	100%*			
Retail Customers	98%	0%	0%	0%	1%	0%	0%	100%*			
Wholesale Customers	0%	0%	0%	0%	0%	37%	63%	100%*			
Weighted Customers	99%	0%	0%	0%	0%	0%	0%	100%*			
BASE/EXTRA CAPACITY											
Total Water Sales	88%	1%	0%	4%	1%	3%	3%	100%*			
Retail Water Sales	93%	1%	0%	4%	1%	0%	0%	100%*			
Wholesale Water Sales	0%	0%	0%	0%	0%	52%	48%	100%*			
1-CP	86%	6%	0%	0%	2%	4%	3%	100%*			
12-NCP	74%	5%	0%	6%	2%	9%	4%	100%*			
REVENUE											
Total Revenue	91%	2%	0%	4%	1%	1%	1%	100%*			
Retail Revenue	93%	2%	0%	4%	1%	0%	0%	100%*			
Wholesale Revenue	0%	0%	0%	0%	0%	52%	48%	100%*			
PLANT											
Treat & Dist Plant	90%	1%	0%	3%	1%	3%	2%	100%*			
General Plant	92%	1%	0%	2%	1%	2%	1%	100%*			
Total Utility Plant	90%	1%	0%	3%	1%	3%	2%	100%*			
Net Utility Plant	90%	1%	0%	3%	1%	3%	2%	100%*			
Debt Service	87%	2%	0%	4%	1%	4%	3%	100%*			

Plant

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Classification of Plant

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	Actual	Adi.	Test Yr.	Base	Ex-Cap	Cust	Total	Description	Base	Ex-Cap	Cust	Total
Pumping												
Pump Station	\$ 294,743		\$ 294,743	53%	12%	35%	100%	As LC/MSC	\$ 155,666	\$ 35,917	\$ 103,160	\$ 294,743
Subtotal Pumping	\$ 294,743		\$ 294,743	53%	12%	35%			\$ 155,666	\$ 35,917	\$ 103,160	\$ 294,743
				53%	12%	35%						100%
Distribution												
Waterlines	\$ 21,060,630		\$ 21,060,630	53%	12%	35%	100%	As LC/MSC	\$ 11,123,020	\$ 2,566,389	\$ 7,371,221	\$ 21,060,630
Tanks	\$ 1,707,121		\$ 1,707,121	53%	12%	35%	100%	As LC/MSC	\$ 901,604	\$ 208,025	\$ 597,492	\$ 1,707,121
Various Projects	\$ 2,958,856		\$ 2,958,856	53%	12%	35%	100%	As LC/MSC	\$ 1,562,699	\$ 360,558	\$ 1,035,600	\$ 2,958,856
Subtotal Distribution	\$ 25,726,607		\$ 25,726,607	53%	12%	35%			\$ 13,587,322	\$ 3,134,972	\$ 9,004,313	\$ 25,726,607
				53%	12%	35%						100%
Subtotal Outside Plant	\$ 26,021,350		\$ 26,021,350	53%	12%	35%			\$ 13,742,989	\$ 3,170,889	\$ 9,107,473	\$ 26,021,350
				53%	12%	35%						100%
General Plant												
Land	\$ 355,901		\$ 355,901	53%	12%	35%	100%	As Outside Plt	\$ 187,967	\$ 43,369	\$ 124,565	\$ 355,901
Buildings & Improvements	\$ 979,951		\$ 979,951	0%	0%	100%	100%				\$ 979,951	\$ 979,951
Transportation Equipment	\$ 300,585		\$ 300,585	53%	12%	35%	100%	As Outside Plt	\$ 158,752	\$ 36,628	\$ 105,205	\$ 300,585
Heavy Machinery & Equipment	\$ 1,829,533		\$ 1,829,533	53%	12%	35%	100%	As Outside Plt	\$ 966,255	\$ 222,942	\$ 640,337	\$ 1,829,533
Office Furniture & Equipment	\$ 175,125		\$ 175,125	0%	0%	100%	100%				\$ 175,125	\$ 175,125
Subtotal General Plant	\$ 3,641,095		\$ 3,641,095						\$ 1,312,973	\$ 302,939	\$ 2,025,183	\$ 3,641,095
				36%	8%	56%						100%
Total Utility Plant in Service	\$ 29,662,445		\$ 29,662,445	51%	12%	38%			\$ 15,055,962	\$ 3,473,828	\$ 11,132,655	\$ 29,662,445
				51%	12%	38%						100%
Constr. Work in Progress	\$ 48,068		\$ 48,068	53%	12%	35%	100%	As Outside Plt	\$ 25,387	\$ 5,857	\$ 16,824	\$ 48,068
				53%	12%	35%						100%
Total Utility Plant	\$ 29,710,513		\$ 29,710,513						\$ 15,081,349	\$ 3,479,686	\$ 11,149,479	\$ 29,710,513
				51%	12%	38%						100%
Accum. Depr.	\$ 10,972,294		\$ 10,972,294	51%	12%	38%	100%	As TUPIS	\$ 5,569,279	\$ 1,284,987	\$ 4,118,028	\$ 10,972,294
Accumulated Depreciation	\$ 10,972,294		\$ 10,972,294	51%	12%	38%			\$ 5,569,279	\$ 1,284,987	\$ 4,118,028	\$ 10,972,294
				51%	12%	38%						100%
Net Utility Plant	\$ 18,738,219		\$ 18,738,219	51%	12%	38%			\$ 9,512,069	\$ 2,194,698	\$ 7,031,451	\$ 18,738,219
				51%	12%	38%						100%

**Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Base Plant
[Main Menu](#)**

	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Pumping									
Pump Station	\$ 155,666	\$ 136,297	\$ 2,024	\$ 186	\$ 6,576	\$ 1,262	\$ 4,844	\$ 4,477	\$ 155,666
Subtotal Pumping	\$ 155,666	\$ 136,297	\$ 2,024	\$ 186	\$ 6,576	\$ 1,262	\$ 4,844	\$ 4,477	\$ 155,666
Distribution									
Waterlines	\$ 11,123,020	\$ 9,739,032	\$ 144,637	\$ 13,286	\$ 469,856	\$ 90,164	\$ 346,129	\$ 319,915	\$ 11,123,020
Tanks	\$ 901,604	\$ 789,421	\$ 11,724	\$ 1,077	\$ 38,085	\$ 7,308	\$ 28,056	\$ 25,932	\$ 901,604
Various Projects	\$ 1,562,699	\$ 1,368,259	\$ 20,320	\$ 1,867	\$ 66,011	\$ 12,667	\$ 48,629	\$ 44,946	\$ 1,562,699
Subtotal Distribution	\$ 13,587,322	\$ 11,896,712	\$ 176,681	\$ 16,230	\$ 573,953	\$ 110,140	\$ 422,814	\$ 390,792	\$ 13,587,322
Subtotal Outside Plant	\$ 13,742,989	\$ 12,033,009	\$ 178,706	\$ 16,416	\$ 580,529	\$ 111,402	\$ 427,658	\$ 395,270	\$ 13,742,989
General Plant									
Land	\$ 187,967	\$ 164,579	\$ 2,444	\$ 225	\$ 7,940	\$ 1,524	\$ 5,849	\$ 5,406	\$ 187,967
Buildings & Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transportation Equipment	\$ 158,752	\$ 138,999	\$ 2,064	\$ 190	\$ 6,706	\$ 1,287	\$ 4,940	\$ 4,566	\$ 158,752
Heavy Machinery & Equipment	\$ 966,255	\$ 846,028	\$ 12,565	\$ 1,154	\$ 40,816	\$ 7,833	\$ 30,068	\$ 27,791	\$ 966,255
Office Furniture & Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal General Plant	\$ 1,312,973	\$ 1,149,606	\$ 17,073	\$ 1,568	\$ 55,462	\$ 10,643	\$ 40,857	\$ 37,763	\$ 1,312,973
Total Utility Plant in Service	\$ 15,055,962	\$ 13,182,615	\$ 195,779	\$ 17,984	\$ 635,991	\$ 122,045	\$ 468,516	\$ 433,033	\$ 15,055,962
Constr. Work in Progress	\$ 25,387	\$ 22,228	\$ 330	\$ 30	\$ 1,072	\$ 206	\$ 790	\$ 730	\$ 25,387
Total Utility Plant	\$ 15,081,349	\$ 13,204,843	\$ 196,109	\$ 18,014	\$ 637,063	\$ 122,250	\$ 469,306	\$ 433,763	\$ 15,081,349
Accum. Depr.	\$ 5,569,279	\$ 4,876,319	\$ 72,420	\$ 6,652	\$ 235,256	\$ 45,145	\$ 173,306	\$ 160,181	\$ 5,569,279
Accumulated Depreciation	\$ 5,569,279	\$ 4,876,319	\$ 72,420	\$ 6,652	\$ 235,256	\$ 45,145	\$ 173,306	\$ 160,181	\$ 5,569,279
Net Utility Plant	\$ 9,512,069	\$ 8,328,525	\$ 123,689	\$ 11,362	\$ 401,807	\$ 77,105	\$ 295,999	\$ 273,582	\$ 9,512,069
		88%	1%	0%	4%	1%	3%	3%	100%

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Extra Capacity Plant
[Main Menu](#)

	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Pumping									
Pump Station	\$ 35,917	34 \$ 26,699	\$ 1,724	\$ 40	\$ 2,189	\$ 608	\$ 3,130	\$ 1,528	\$ 35,917
Subtotal Pumping	\$ 35,917	\$ 26,699	\$ 1,724	\$ 40	\$ 2,189	\$ 608	\$ 3,130	\$ 1,528	\$ 35,917
Distribution									
Waterlines	\$ 2,566,389	34 \$ 1,907,735	\$ 123,182	\$ 2,829	\$ 156,391	\$ 43,468	\$ 223,631	\$ 109,154	\$ 2,566,389
Tanks	\$ 208,025	34 \$ 154,636	\$ 9,985	\$ 229	\$ 12,677	\$ 3,523	\$ 18,127	\$ 8,848	\$ 208,025
Various Projects	\$ 360,558	34 \$ 268,022	\$ 17,306	\$ 397	\$ 21,972	\$ 6,107	\$ 31,418	\$ 15,335	\$ 360,558
Subtotal Distribution	\$ 3,134,972	\$ 2,330,393	\$ 150,473	\$ 3,456	\$ 191,039	\$ 53,098	\$ 273,176	\$ 133,337	\$ 3,134,972
Subtotal Outside Plant	\$ 3,170,889	\$ 2,357,092	\$ 152,197	\$ 3,496	\$ 193,228	\$ 53,706	\$ 276,306	\$ 134,865	\$ 3,170,889
General Plant									
Land	\$ 43,369	34 \$ 32,239	\$ 2,082	\$ 48	\$ 2,643	\$ 735	\$ 3,779	\$ 1,845	\$ 43,369
Buildings & Improvements	\$ -	34 \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transportation Equipment	\$ 36,628	34 \$ 27,228	\$ 1,758	\$ 40	\$ 2,232	\$ 620	\$ 3,192	\$ 1,558	\$ 36,628
Heavy Machinery & Equipment	\$ 222,942	34 \$ 165,725	\$ 10,701	\$ 246	\$ 13,586	\$ 3,776	\$ 19,427	\$ 9,482	\$ 222,942
Office Furniture & Equipment	\$ -	34 \$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal General Plant	\$ 302,939	\$ 225,191	\$ 14,541	\$ 334	\$ 18,461	\$ 5,131	\$ 26,398	\$ 12,885	\$ 302,939
Total Utility Plant in Service	\$ 3,473,828	\$ 2,582,283	\$ 166,737	\$ 3,830	\$ 211,689	\$ 58,837	\$ 302,703	\$ 147,750	\$ 3,473,828
Constr. Work in Progress									
	\$ 5,857	34 \$ 4,354	\$ 281	\$ 6	\$ 357	\$ 99	\$ 510	\$ 249	\$ 5,857
Total Utility Plant	\$ 3,479,686	\$ 2,586,637	\$ 167,018	\$ 3,836	\$ 212,046	\$ 58,937	\$ 303,214	\$ 147,999	\$ 3,479,686
Accum. Depr.									
	\$ 1,284,987	34 \$ 955,200	\$ 61,677	\$ 1,417	\$ 78,305	\$ 21,764	\$ 111,971	\$ 54,653	\$ 1,284,987
Accumulated Depreciation	\$ 1,284,987	\$ 955,200	\$ 61,677	\$ 1,417	\$ 78,305	\$ 21,764	\$ 111,971	\$ 54,653	\$ 1,284,987
Net Utility Plant	\$ 2,194,699	\$ 1,631,437	\$ 105,341	\$ 2,420	\$ 133,741	\$ 37,172	\$ 191,242	\$ 93,345	\$ 2,194,699
		74%	5%	0%	6%	2%	9%	4%	100%

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Customer Plant
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	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Pumping									
Pump Station	\$ 103,160	\$ 101,443	\$ 510	\$ 74	\$ 215	\$ 879	\$ 14	\$ 25	\$ 103,160
Subtotal Pumping	\$ 103,160	\$ 101,443	\$ 510	\$ 74	\$ 215	\$ 879	\$ 14	\$ 25	\$ 103,160
Distribution									
Waterlines	\$ 7,371,221	\$ 7,248,530	\$ 36,456	\$ 5,271	\$ 15,373	\$ 62,809	\$ 1,025	\$ 1,757	\$ 7,371,221
Tanks	\$ 597,492	\$ 587,547	\$ 2,955	\$ 427	\$ 1,246	\$ 5,091	\$ 83	\$ 142	\$ 597,492
Various Projects	\$ 1,035,600	\$ 1,018,363	\$ 5,122	\$ 740	\$ 2,160	\$ 8,824	\$ 144	\$ 247	\$ 1,035,600
Subtotal Distribution	\$ 9,004,313	\$ 8,854,440	\$ 44,532	\$ 6,438	\$ 18,779	\$ 76,725	\$ 1,252	\$ 2,146	\$ 9,004,313
Subtotal Outside Plant	\$ 9,107,473	\$ 8,955,883	\$ 45,043	\$ 6,512	\$ 18,994	\$ 77,604	\$ 1,266	\$ 2,171	\$ 9,107,473
General Plant									
Land	\$ 124,565	\$ 122,492	\$ 616	\$ 89	\$ 260	\$ 1,061	\$ 17	\$ 30	\$ 124,565
Buildings & Improvements	\$ 979,951	\$ 963,640	\$ 4,847	\$ 701	\$ 2,044	\$ 8,350	\$ 136	\$ 234	\$ 979,951
Transportation Equipment	\$ 105,205	\$ 103,454	\$ 520	\$ 75	\$ 219	\$ 896	\$ 15	\$ 25	\$ 105,205
Heavy Machinery & Equipment	\$ 640,337	\$ 629,679	\$ 3,167	\$ 458	\$ 1,335	\$ 5,456	\$ 89	\$ 153	\$ 640,337
Office Furniture & Equipment	\$ 175,125	\$ 172,210	\$ 866	\$ 125	\$ 365	\$ 1,492	\$ 24	\$ 42	\$ 175,125
Subtotal General Plant	\$ 2,025,183	\$ 1,991,474	\$ 10,016	\$ 1,448	\$ 4,224	\$ 17,256	\$ 282	\$ 483	\$ 2,025,183
Total Utility Plant in Service	\$ 11,132,655	\$ 10,947,358	\$ 55,059	\$ 7,960	\$ 23,217	\$ 94,860	\$ 1,548	\$ 2,653	\$ 11,132,655
Constr. Work in Progress	\$ 16,824	\$ 16,544	\$ 83	\$ 12	\$ 35	\$ 143	\$ 2	\$ 4	\$ 16,824
Total Utility Plant	\$ 11,149,479	\$ 10,963,902	\$ 55,142	\$ 7,972	\$ 23,253	\$ 95,003	\$ 1,550	\$ 2,657	\$ 11,149,479
Accum. Depr.	\$ 4,118,028	\$ 4,049,485	\$ 20,366	\$ 2,945	\$ 8,588	\$ 35,089	\$ 573	\$ 982	\$ 4,118,028
Accumulated Depreciation	\$ 4,118,028	\$ 4,049,485	\$ 20,366	\$ 2,945	\$ 8,588	\$ 35,089	\$ 573	\$ 982	\$ 4,118,028
Net Utility Plant	\$ 7,031,451	\$ 6,914,416	\$ 34,775	\$ 5,028	\$ 14,664	\$ 59,914	\$ 978	\$ 1,676	\$ 7,031,451
		98%	0%	0%	0%	1%	0%	0%	100%

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Plant
Main Menu

	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Pumping								
Pump Station	\$ 264,439	\$ 4,258	\$ 299	\$ 8,979	\$ 2,749	\$ 7,988	\$ 6,029	\$ 294,743
Subtotal Pumping	\$ 264,439	\$ 4,258	\$ 299	\$ 8,979	\$ 2,749	\$ 7,988	\$ 6,029	\$ 294,743
Distribution								
Waterlines	\$ 18,895,297	\$ 304,275	\$ 21,386	\$ 641,620	\$ 196,441	\$ 570,785	\$ 430,826	\$ 21,060,630
Tanks	\$ 1,531,604	\$ 24,664	\$ 1,734	\$ 52,008	\$ 15,923	\$ 46,266	\$ 34,922	\$ 1,707,121
Various Projects	\$ 2,654,644	\$ 42,748	\$ 3,005	\$ 90,143	\$ 27,598	\$ 80,191	\$ 60,528	\$ 2,958,856
Subtotal Distribution	\$ 23,081,545	\$ 371,686	\$ 26,124	\$ 783,771	\$ 239,962	\$ 697,242	\$ 526,276	\$ 25,726,607
	90%	1%	0%	3%	1%	3%	2%	100%
Subtotal Outside Plant	\$ 23,345,985	\$ 375,945	\$ 26,423	\$ 792,751	\$ 242,712	\$ 705,230	\$ 532,305	\$ 26,021,350
	90%	1%	0%	3%	1%	3%	2%	100%
General Plant								
Land	\$ 319,309	\$ 5,142	\$ 361	\$ 10,843	\$ 3,320	\$ 9,646	\$ 7,280	\$ 355,901
Buildings & Improvements	\$ 963,640	\$ 4,847	\$ 701	\$ 2,044	\$ 8,350	\$ 136	\$ 234	\$ 979,951
Transportation Equipment	\$ 269,681	\$ 4,343	\$ 305	\$ 9,157	\$ 2,804	\$ 8,146	\$ 6,149	\$ 300,585
Heavy Machinery & Equipment	\$ 1,641,431	\$ 26,432	\$ 1,858	\$ 55,737	\$ 17,065	\$ 49,584	\$ 37,426	\$ 1,829,533
Office Furniture & Equipment	\$ 172,210	\$ 866	\$ 125	\$ 365	\$ 1,492	\$ 24	\$ 42	\$ 175,125
Subtotal General Plant	\$ 3,366,271	\$ 41,630	\$ 3,350	\$ 78,146	\$ 33,030	\$ 67,537	\$ 51,131	\$ 3,641,095
	92%	1%	0%	2%	1%	2%	1%	100%
Total Utility Plant in Service	\$ 26,712,256	\$ 417,574	\$ 29,774	\$ 870,897	\$ 275,742	\$ 772,767	\$ 583,436	\$ 29,662,445
Constr. Work in Progress	\$ 43,126	\$ 694	\$ 49	\$ 1,464	\$ 448	\$ 1,303	\$ 983	\$ 48,068
Total Utility Plant	\$ 26,755,382	\$ 418,269	\$ 29,823	\$ 872,361	\$ 276,190	\$ 774,069	\$ 584,419	\$ 29,710,513
	90%	1%	0%	3%	1%	3%	2%	100%
Accum. Depr.	\$ 9,881,004	\$ 154,463	\$ 11,013	\$ 322,149	\$ 101,998	\$ 285,850	\$ 215,816	\$ 10,972,294
Accumulated Depreciation	\$ 9,881,004	\$ 154,463	\$ 11,013	\$ 322,149	\$ 101,998	\$ 285,850	\$ 215,816	\$ 10,972,294
Net Utility Plant	\$ 16,874,378	\$ 263,806	\$ 18,809	\$ 550,212	\$ 174,192	\$ 488,219	\$ 368,603	\$ 18,738,219
	90%	1%	0%	3%	1%	3%	2%	100%

Operating Expense

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Classification of Operating Expenses
[Main Menu](#)

	Actual	Adj.	Test Yr.	Base	Ex-Cap	Cust	Total	Description	Base	Ex-Cap	Cust	Total
Source of Supply												
Contracts w/ Government Agency	\$ 869,549	\$ (634,771)	\$ 234,778	100%	0%	0%	100%		* \$ 234,778	\$ -	\$ -	\$ 234,778
Projected Treatment Expenses		\$ 198,697	\$ 198,697	100%	0%	0%	100%		* \$ 198,697	\$ -	\$ -	\$ 198,697
Subtotal Source of Supply	\$ 869,549	\$ (436,074)	\$ 433,475						\$ 433,475	\$ -	\$ -	\$ 433,475
				100%	0%	0%	100%					
Distribution												
Payroll - Foremen	\$ 100,630		\$ 100,630	53%	12%	35%	100%	As Dist Plt	* \$ 53,147	\$ 12,263	\$ 35,221	\$ 100,630
Payroll - Equipment Operators	\$ 39,499		\$ 39,499	53%	12%	35%	100%	As Dist Plt	* \$ 20,861	\$ 4,813	\$ 13,825	\$ 39,499
Payroll - Laborers	\$ 167,020		\$ 167,020	53%	12%	35%	100%	As Dist Plt	* \$ 88,210	\$ 20,353	\$ 58,457	\$ 167,020
Maint & Repair - Equipment	\$ 12,855		\$ 12,855	53%	12%	35%	100%	As Dist Plt	* \$ 6,789	\$ 1,566	\$ 4,499	\$ 12,855
Maint & Repair - Vehicles	\$ 5,065		\$ 5,065	53%	12%	35%	100%	As Dist Plt	* \$ 2,675	\$ 617	\$ 1,773	\$ 5,065
Diesel Fuel	\$ 13,801		\$ 13,801	53%	12%	35%	100%	As Dist Plt	* \$ 7,289	\$ 1,682	\$ 4,830	\$ 13,801
Electricity	\$ 53,012		\$ 53,012	53%	12%	35%	100%	As Dist Plt	* \$ 27,998	\$ 6,460	\$ 18,554	\$ 53,012
Fertilizer, Lime, Chemcials	\$ 2,224		\$ 2,224	53%	12%	35%	100%	As Dist Plt	* \$ 1,174	\$ 271	\$ 778	\$ 2,224
Gasoline	\$ 32,087		\$ 32,087	53%	12%	35%	100%	As Dist Plt	* \$ 16,946	\$ 3,910	\$ 11,230	\$ 32,087
General Construction Materials	\$ 112,531		\$ 112,531	53%	12%	35%	100%	As Dist Plt	* \$ 59,432	\$ 13,713	\$ 39,386	\$ 112,531
Small Tools	\$ 1,757		\$ 1,757	53%	12%	35%	100%	As Dist Plt	* \$ 928	\$ 214	\$ 615	\$ 1,757
Tires & Tubes	\$ 6,059		\$ 6,059	53%	12%	35%	100%	As Dist Plt	* \$ 3,200	\$ 738	\$ 2,121	\$ 6,059
Uniforms	\$ 4,003		\$ 4,003	0%	0%	100%	100%		* \$ -	\$ -	\$ 4,003	\$ 4,003
Subtotal Distribution	\$ 550,543	\$ -	\$ 550,543						\$ 288,651	\$ 66,600	\$ 195,292	\$ 550,543
				52%	12%	35%	100%					
Admin & General												
Payroll - Supervisor/Director	\$ 66,144		\$ 66,144	51%	12%	38%	100%	As TUPIS	* \$ 33,573	\$ 7,746	\$ 24,825	\$ 66,144
Payroll - Assistants	\$ 39,350		\$ 39,350	0%	0%	100%	100%		* \$ -	\$ -	\$ 39,350	\$ 39,350
Payroll - Accountants/Bookkeepers	\$ 146,838		\$ 146,838	0%	0%	100%	100%		* \$ -	\$ -	\$ 146,838	\$ 146,838
Payroll - Longevity Pay	\$ 6,900		\$ 6,900	35%	8%	57%	100%	As Payroll	* \$ 2,415	\$ 557	\$ 3,928	\$ 6,900
Payroll - Overtime	\$ 26,262		\$ 26,262	35%	8%	57%	100%	As Payroll	* \$ 9,190	\$ 2,120	\$ 14,951	\$ 26,262
Payroll - Board & Committee Members Fee	\$ 4,200		\$ 4,200	35%	8%	57%	100%	As Payroll	* \$ 1,470	\$ 339	\$ 2,391	\$ 4,200
Social Security	\$ 35,586		\$ 35,586	35%	8%	57%	100%	As Payroll	* \$ 12,453	\$ 2,873	\$ 20,259	\$ 35,586
Extension Service Medicare	\$ 8,323		\$ 8,323	35%	8%	57%	100%	As Payroll	* \$ 2,913	\$ 672	\$ 4,738	\$ 8,323
State Retirement	\$ 18,909		\$ 18,909	35%	8%	57%	100%	As Payroll	* \$ 6,617	\$ 1,527	\$ 10,765	\$ 18,909
Employee & Dependent Insurance	\$ 119,762		\$ 119,762	35%	8%	57%	100%	As Payroll	* \$ 41,911	\$ 9,670	\$ 68,181	\$ 119,762
Life Insurance	\$ 376		\$ 376	35%	8%	57%	100%	As Payroll	* \$ 132	\$ 30	\$ 214	\$ 376
Disability Insurance	\$ 1,820		\$ 1,820	35%	8%	57%	100%	As Payroll	* \$ 637	\$ 147	\$ 1,036	\$ 1,820
Audit Services	\$ 1,753		\$ 1,753	0%	0%	100%	100%		* \$ -	\$ -	\$ 1,753	\$ 1,753
Communication	\$ 10,973		\$ 10,973	0%	0%	100%	100%		* \$ -	\$ -	\$ 10,973	\$ 10,973
Data Processing Services	\$ 28,036		\$ 28,036	0%	0%	100%	100%		* \$ -	\$ -	\$ 28,036	\$ 28,036
Debt Collection Services	\$ 1,232		\$ 1,232	0%	0%	100%	100%		* \$ -	\$ -	\$ 1,232	\$ 1,232
Dues & Memberships	\$ 5,877		\$ 5,877	0%	0%	100%	100%		* \$ -	\$ -	\$ 5,877	\$ 5,877
Engineering Services	\$ 29,242		\$ 29,242	51%	12%	38%	100%	As TUPIS	* \$ 14,843	\$ 3,425	\$ 10,975	\$ 29,242
Evaluation & Testing	\$ 3,987		\$ 3,987	0%	0%	100%	100%		* \$ -	\$ -	\$ 3,987	\$ 3,987
Janitorial Services	\$ 810		\$ 810	0%	0%	100%	100%		* \$ -	\$ -	\$ 810	\$ 810
Legal Services	\$ 8,996		\$ 8,996	51%	12%	38%	100%	As TUPIS	* \$ 4,566	\$ 1,054	\$ 3,376	\$ 8,996
Legal Notices, Recording	\$ 882		\$ 882	0%	0%	100%	100%		* \$ -	\$ -	\$ 882	\$ 882
Licenses	\$ 400		\$ 400	0%	0%	100%	100%		* \$ -	\$ -	\$ 400	\$ 400
Maint & Repair Service - Building	\$ 1,154		\$ 1,154	0%	0%	100%	100%		* \$ -	\$ -	\$ 1,154	\$ 1,154
Maint & Repair Service - Office Equip	\$ 246		\$ 246	0%	0%	100%	100%		* \$ -	\$ -	\$ 246	\$ 246
Pest Control	\$ 260		\$ 260	0%	0%	100%	100%		* \$ -	\$ -	\$ 260	\$ 260
Postal Charges	\$ 21,533		\$ 21,533	0%	0%	100%	100%		* \$ -	\$ -	\$ 21,533	\$ 21,533
Travel	\$ 2,218		\$ 2,218	0%	0%	100%	100%		* \$ -	\$ -	\$ 2,218	\$ 2,218
Other Contracted Services	\$ 2,000		\$ 2,000	0%	0%	100%	100%		* \$ -	\$ -	\$ 2,000	\$ 2,000
Custodial Supplies	\$ 566		\$ 566	0%	0%	100%	100%		* \$ -	\$ -	\$ 566	\$ 566
Natural Gas	\$ 2,796		\$ 2,796	0%	0%	100%	100%		* \$ -	\$ -	\$ 2,796	\$ 2,796
Office Supplies	\$ 4,336		\$ 4,336	0%	0%	100%	100%		* \$ -	\$ -	\$ 4,336	\$ 4,336
Water & Sewer	\$ 1,610		\$ 1,610	0%	0%	100%	100%		* \$ -	\$ -	\$ 1,610	\$ 1,610
Indirect Cost	\$ 24		\$ 24	0%	0%	100%	100%		* \$ -	\$ -	\$ 24	\$ 24
Liability Insurance	\$ 9,992		\$ 9,992	0%	0%	100%	100%		* \$ -	\$ -	\$ 9,992	\$ 9,992
Premiums on Corporate Surety B	\$ 2,960		\$ 2,960	0%	0%	100%	100%		* \$ -	\$ -	\$ 2,960	\$ 2,960
Trustee's Commission	\$ 31,030		\$ 31,030	0%	0%	100%	100%		* \$ -	\$ -	\$ 31,030	\$ 31,030
Vehicle & Equipment Insurance	\$ 9,020		\$ 9,020	0%	0%	100%	100%		* \$ -	\$ -	\$ 9,020	\$ 9,020
Workman's Comp Insurance	\$ 14,282		\$ 14,282	0%	0%	100%	100%		* \$ -	\$ -	\$ 14,282	\$ 14,282
Inservice/Staff Development	\$ 3,205		\$ 3,205	0%	0%	100%	100%		* \$ -	\$ -	\$ 3,205	\$ 3,205
Fines, assessments, & Penalties	\$ 5,721		\$ 5,721	0%	0%	100%	100%		* \$ -	\$ -	\$ 5,721	\$ 5,721
Other Charges	\$ 3,549		\$ 3,549	0%	0%	100%	100%		* \$ -	\$ -	\$ 3,549	\$ 3,549
Subtotal Admin & General	\$ 683,159	\$ -	\$ 683,159						\$ 130,719	\$ 30,161	\$ 522,279	\$ 683,159
				19%	4%	76%	100%					
Total Operating Expenses	\$ 2,103,251	\$ (436,074)	\$ 1,667,177						\$ 852,846	\$ 96,760	\$ 717,571	\$ 1,667,177
				51%	6%	43%	100%					

**Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Base Expenses**

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Source of Supply	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Contracts w/ Government Agency	\$ 234,778 30	\$ 205,566	\$ 3,053	\$ 280	\$ 9,917	\$ 1,903	\$ 7,306	\$ 6,753	\$ 234,778
Projected Treatment Expenses	\$ 198,697 30	\$ 173,974	\$ 2,584	\$ 237	\$ 8,393	\$ 1,611	\$ 6,183	\$ 5,715	\$ 198,697
Subtotal Source of Supply	\$ 433,475	\$ 379,540	\$ 5,637	\$ 518	\$ 18,311	\$ 3,514	\$ 13,489	\$ 12,467	\$ 433,475

Distribution	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Payroll - Foremen	\$ 53,147 30	\$ 46,534	\$ 691	\$ 63	\$ 2,245	\$ 431	\$ 1,654	\$ 1,529	\$ 53,147
Payroll - Equipment Operators	\$ 20,861 30	\$ 18,266	\$ 271	\$ 25	\$ 881	\$ 169	\$ 649	\$ 600	\$ 20,861
Payroll - Laborers	\$ 88,210 30	\$ 77,235	\$ 1,147	\$ 105	\$ 3,726	\$ 715	\$ 2,745	\$ 2,537	\$ 88,210
Maint & Repair - Equipment	\$ 6,789 30	\$ 5,944	\$ 88	\$ 8	\$ 287	\$ 55	\$ 211	\$ 195	\$ 6,789
Maint & Repair - Vehicles	\$ 2,675 30	\$ 2,342	\$ 35	\$ 3	\$ 113	\$ 22	\$ 83	\$ 77	\$ 2,675
Diesel Fuel	\$ 7,289 30	\$ 6,382	\$ 95	\$ 9	\$ 308	\$ 59	\$ 227	\$ 210	\$ 7,289
Electricity	\$ 27,998 30	\$ 24,514	\$ 364	\$ 33	\$ 1,183	\$ 227	\$ 871	\$ 805	\$ 27,998
Fertilizer, Lime, Chemicals	\$ 1,174 30	\$ 1,028	\$ 15	\$ 1	\$ 50	\$ 10	\$ 37	\$ 34	\$ 1,174
Gasoline	\$ 16,946 30	\$ 14,838	\$ 220	\$ 20	\$ 716	\$ 137	\$ 527	\$ 487	\$ 16,946
General Construction Materials	\$ 59,432 30	\$ 52,038	\$ 773	\$ 71	\$ 2,511	\$ 482	\$ 1,849	\$ 1,709	\$ 59,432
Small Tools	\$ 928 30	\$ 813	\$ 12	\$ 1	\$ 39	\$ 8	\$ 29	\$ 27	\$ 928
Tires & Tubes	\$ 3,200 30	\$ 2,802	\$ 42	\$ 4	\$ 135	\$ 26	\$ 100	\$ 92	\$ 3,200
Uniforms	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Distribution	\$ 288,651	\$ 252,736	\$ 3,753	\$ 345	\$ 12,193	\$ 2,340	\$ 8,982	\$ 8,302	\$ 288,651

Admin & General	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Payroll - Supervisor/Director	\$ 33,573 30	\$ 29,396	\$ 437	\$ 40	\$ 1,418	\$ 272	\$ 1,045	\$ 966	\$ 33,573
Payroll - Assistants	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Payroll - Accountants/Bookkeepers	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Payroll - Longevity Pay	\$ 2,415 30	\$ 2,114	\$ 31	\$ 3	\$ 102	\$ 20	\$ 75	\$ 69	\$ 2,415
Payroll - Overtime	\$ 9,190 30	\$ 8,047	\$ 120	\$ 11	\$ 388	\$ 74	\$ 286	\$ 264	\$ 9,190
Payroll - Board & Committee Members Fee	\$ 1,470 30	\$ 1,287	\$ 19	\$ 2	\$ 62	\$ 12	\$ 46	\$ 42	\$ 1,470
Social Security	\$ 12,453 30	\$ 10,904	\$ 162	\$ 15	\$ 526	\$ 101	\$ 388	\$ 358	\$ 12,453
Extension Service Medicare	\$ 2,913 30	\$ 2,550	\$ 38	\$ 3	\$ 123	\$ 24	\$ 91	\$ 84	\$ 2,913
State Retirement	\$ 6,617 30	\$ 5,794	\$ 86	\$ 8	\$ 280	\$ 54	\$ 206	\$ 190	\$ 6,617
Employee & Dependent Insurance	\$ 41,911 30	\$ 36,696	\$ 545	\$ 50	\$ 1,770	\$ 340	\$ 1,304	\$ 1,205	\$ 41,911
Life Insurance	\$ 132 30	\$ 115	\$ 2	\$ 0	\$ 6	\$ 1	\$ 4	\$ 4	\$ 132
Disability Insurance	\$ 637 30	\$ 558	\$ 8	\$ 1	\$ 27	\$ 5	\$ 20	\$ 18	\$ 637
Audit Services	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Communication	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Data Processing Services	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Collection Services	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dues & Memberships	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering Services	\$ 14,843 30	\$ 12,996	\$ 193	\$ 18	\$ 627	\$ 120	\$ 462	\$ 427	\$ 14,843
Evaluation & Testing	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Janitorial Services	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Legal Services	\$ 4,566 30	\$ 3,998	\$ 59	\$ 5	\$ 193	\$ 37	\$ 142	\$ 131	\$ 4,566
Legal Notices, Recording	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Licenses	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maint & Repair Service - Building	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maint & Repair Service - Office Equip	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Pest Control	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Postal Charges	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Travel	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Contracted Services	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Custodial Supplies	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Office Supplies	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water & Sewer	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Indirect Cost	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Liability Insurance	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Premiums on Corporate Surety B	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Trustee's Commission	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Vehicle & Equipment Insurance	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Workman's Comp Insurance	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inservice/Staff Development	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fines, assessments, & Penalties	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Charges	\$ - 30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Admin & General	\$ 130,719	\$ 114,455	\$ 1,700	\$ 156	\$ 5,522	\$ 1,060	\$ 4,068	\$ 3,760	\$ 130,719

Total Operating Expenses	\$ 852,846	\$ 746,730	\$ 11,090	\$ 1,019	\$ 36,026	\$ 6,913	\$ 26,539	\$ 24,529	\$ 852,846
		88%	1%	0%	4%	1%	3%	3%	100%

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Extra-Capacity Expenses
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	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Source of Supply									
Contracts w/ Government Agency	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Projected Treatment Expenses	\$ - 33	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Source of Supply	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Distribution									
Payroll - Foremen	\$ 12,263 34	\$ 9,115	\$ 589	\$ 14	\$ 747	\$ 208	\$ 1,069	\$ 522	\$ 12,263
Payroll - Equipment Operators	\$ 4,813 34	\$ 3,578	\$ 231	\$ 5	\$ 293	\$ 82	\$ 419	\$ 205	\$ 4,813
Payroll - Laborers	\$ 20,353 34	\$ 15,129	\$ 977	\$ 22	\$ 1,240	\$ 345	\$ 1,773	\$ 866	\$ 20,353
Maint & Repair - Equipment	\$ 1,566 34	\$ 1,164	\$ 75	\$ 2	\$ 95	\$ 27	\$ 136	\$ 67	\$ 1,566
Maint & Repair - Vehicles	\$ 617 34	\$ 459	\$ 30	\$ 1	\$ 38	\$ 10	\$ 54	\$ 26	\$ 617
Diesel Fuel	\$ 1,682 34	\$ 1,250	\$ 81	\$ 2	\$ 102	\$ 28	\$ 147	\$ 72	\$ 1,682
Electricity	\$ 6,460 34	\$ 4,802	\$ 310	\$ 7	\$ 394	\$ 109	\$ 563	\$ 275	\$ 6,460
Fertilizer, Lime, Chemicals	\$ 271 34	\$ 201	\$ 13	\$ 0	\$ 17	\$ 5	\$ 24	\$ 12	\$ 271
Gasoline	\$ 3,910 34	\$ 2,906	\$ 188	\$ 4	\$ 238	\$ 66	\$ 341	\$ 166	\$ 3,910
General Construction Materials	\$ 13,713 34	\$ 10,193	\$ 658	\$ 15	\$ 836	\$ 232	\$ 1,195	\$ 583	\$ 13,713
Small Tools	\$ 214 34	\$ 159	\$ 10	\$ 0	\$ 13	\$ 4	\$ 19	\$ 9	\$ 214
Tires & Tubes	\$ 738 34	\$ 549	\$ 35	\$ 1	\$ 45	\$ 13	\$ 64	\$ 31	\$ 738
Uniforms	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Distribution	\$ 66,600	\$ 49,507	\$ 3,197	\$ 73	\$ 4,058	\$ 1,128	\$ 5,803	\$ 2,833	\$ 66,600
Admin & General									
Payroll - Supervisor/Director	\$ 7,746 34	\$ 5,758	\$ 372	\$ 9	\$ 472	\$ 131	\$ 675	\$ 329	\$ 7,746
Payroll - Assistants	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Payroll - Accountants/Bookkeepers	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Payroll - Longevity Pay	\$ 557 34	\$ 414	\$ 27	\$ 1	\$ 34	\$ 9	\$ 49	\$ 24	\$ 557
Payroll - Overtime	\$ 2,120 34	\$ 1,576	\$ 102	\$ 2	\$ 129	\$ 36	\$ 185	\$ 90	\$ 2,120
Payroll - Board & Committee Members Fee	\$ 339 34	\$ 252	\$ 16	\$ 0	\$ 21	\$ 6	\$ 30	\$ 14	\$ 339
Social Security	\$ 2,873 34	\$ 2,136	\$ 138	\$ 3	\$ 175	\$ 49	\$ 250	\$ 122	\$ 2,873
Extension Service Medicare	\$ 672 34	\$ 500	\$ 32	\$ 1	\$ 41	\$ 11	\$ 59	\$ 29	\$ 672
State Retirement	\$ 1,527 34	\$ 1,135	\$ 73	\$ 2	\$ 93	\$ 26	\$ 133	\$ 65	\$ 1,527
Employee & Dependent Insurance	\$ 9,670 34	\$ 7,188	\$ 464	\$ 11	\$ 589	\$ 164	\$ 843	\$ 411	\$ 9,670
Life Insurance	\$ 30 34	\$ 23	\$ 1	\$ 0	\$ 2	\$ 1	\$ 3	\$ 1	\$ 30
Disability Insurance	\$ 147 34	\$ 109	\$ 7	\$ 0	\$ 9	\$ 2	\$ 13	\$ 6	\$ 147
Audit Services	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Communication	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Data Processing Services	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Debt Collection Services	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dues & Memberships	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering Services	\$ 3,425 34	\$ 2,546	\$ 164	\$ 4	\$ 209	\$ 58	\$ 298	\$ 146	\$ 3,425
Evaluation & Testing	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Janitorial Services	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Legal Services	\$ 1,054 34	\$ 783	\$ 51	\$ 1	\$ 64	\$ 18	\$ 92	\$ 45	\$ 1,054
Legal Notices, Recording	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Licenses	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maint & Repair Service - Building	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Maint & Repair Service - Office Equip	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Pest Control	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Postal Charges	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Travel	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Contracted Services	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Custodial Supplies	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Natural Gas	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Office Supplies	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water & Sewer	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Indirect Cost	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Liability Insurance	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Premiums on Corporate Surety B	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Trustee's Commission	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Vehicle & Equipment Insurance	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Workman's Comp Insurance	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inservice/Staff Development	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fines, assessments, & Penalties	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Charges	\$ - 34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Admin & General	\$ 30,161	\$ 22,420	\$ 1,448	\$ 33	\$ 1,838	\$ 511	\$ 2,628	\$ 1,283	\$ 30,161
Total Operating Expenses	\$ 96,760	\$ 71,927	\$ 4,644	\$ 107	\$ 5,896	\$ 1,639	\$ 8,432	\$ 4,115	\$ 96,760
		74%	5%	0%	6%	2%	9%	4%	100%

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Customer Expenses
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	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Source of Supply									
Contracts w/ Government Agency	\$ - 21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Projected Treatment Expenses	\$ - 21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Source of Supply	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Distribution									
Payroll - Foremen	\$ 35,221 21	\$ 34,634	\$ 174	\$ 25	\$ 73	\$ 300	\$ 5	\$ 8	\$ 35,221
Payroll - Equipment Operators	\$ 13,825 21	\$ 13,595	\$ 68	\$ 10	\$ 29	\$ 118	\$ 2	\$ 3	\$ 13,825
Payroll - Laborers	\$ 58,457 21	\$ 57,484	\$ 289	\$ 42	\$ 122	\$ 498	\$ 8	\$ 14	\$ 58,457
Maint & Repair - Equipment	\$ 4,499 21	\$ 4,424	\$ 22	\$ 3	\$ 9	\$ 38	\$ 1	\$ 1	\$ 4,499
Maint & Repair - Vehicles	\$ 1,773 21	\$ 1,743	\$ 9	\$ 1	\$ 4	\$ 15	\$ 0	\$ 0	\$ 1,773
Diesel Fuel	\$ 4,830 21	\$ 4,750	\$ 24	\$ 3	\$ 10	\$ 41	\$ 1	\$ 1	\$ 4,830
Electricity	\$ 18,554 21	\$ 18,245	\$ 92	\$ 13	\$ 39	\$ 158	\$ 3	\$ 4	\$ 18,554
Fertilizer, Lime, Chemicals	\$ 778 21	\$ 765	\$ 4	\$ 1	\$ 2	\$ 7	\$ 0	\$ 0	\$ 778
Gasoline	\$ 11,230 21	\$ 11,043	\$ 56	\$ 8	\$ 23	\$ 96	\$ 2	\$ 3	\$ 11,230
General Construction Materials	\$ 39,386 21	\$ 38,730	\$ 195	\$ 28	\$ 82	\$ 336	\$ 5	\$ 9	\$ 39,386
Small Tools	\$ 615 21	\$ 605	\$ 3	\$ 0	\$ 1	\$ 5	\$ 0	\$ 0	\$ 615
Tires & Tubes	\$ 2,121 21	\$ 2,085	\$ 10	\$ 2	\$ 4	\$ 18	\$ 0	\$ 1	\$ 2,121
Uniforms	\$ 4,003 21	\$ 3,936	\$ 20	\$ 3	\$ 8	\$ 34	\$ 1	\$ 1	\$ 4,003
Subtotal Distribution	\$ 195,292	\$ 192,041	\$ 966	\$ 140	\$ 407	\$ 1,664	\$ 27	\$ 47	\$ 195,292
Admin & General									
Payroll - Supervisor/Director	\$ 24,825 21	\$ 24,411	\$ 123	\$ 18	\$ 52	\$ 212	\$ 3	\$ 6	\$ 24,825
Payroll - Assistants	\$ 39,350 21	\$ 38,695	\$ 195	\$ 28	\$ 82	\$ 335	\$ 5	\$ 9	\$ 39,350
Payroll - Accountants/Bookkeepers	\$ 146,838 21	\$ 144,394	\$ 726	\$ 105	\$ 306	\$ 1,251	\$ 20	\$ 35	\$ 146,838
Payroll - Longevity Pay	\$ 3,928 21	\$ 3,863	\$ 19	\$ 3	\$ 8	\$ 33	\$ 1	\$ 1	\$ 3,928
Payroll - Overtime	\$ 14,951 21	\$ 14,702	\$ 74	\$ 11	\$ 31	\$ 127	\$ 2	\$ 4	\$ 14,951
Payroll - Board & Committee Members Fee	\$ 2,391 21	\$ 2,351	\$ 12	\$ 2	\$ 5	\$ 20	\$ 0	\$ 1	\$ 2,391
Social Security	\$ 20,259 21	\$ 19,922	\$ 100	\$ 14	\$ 42	\$ 173	\$ 3	\$ 5	\$ 20,259
Extension Service Medicare	\$ 4,738 21	\$ 4,659	\$ 23	\$ 3	\$ 10	\$ 40	\$ 1	\$ 1	\$ 4,738
State Retirement	\$ 10,765 21	\$ 10,586	\$ 53	\$ 8	\$ 22	\$ 92	\$ 1	\$ 3	\$ 10,765
Employee & Dependent Insurance	\$ 68,181 21	\$ 67,046	\$ 337	\$ 49	\$ 142	\$ 581	\$ 9	\$ 16	\$ 68,181
Life Insurance	\$ 214 21	\$ 211	\$ 1	\$ 0	\$ 0	\$ 2	\$ 0	\$ 0	\$ 214
Disability Insurance	\$ 1,036 21	\$ 1,019	\$ 5	\$ 1	\$ 2	\$ 9	\$ 0	\$ 0	\$ 1,036
Audit Services	\$ 1,753 21	\$ 1,724	\$ 9	\$ 1	\$ 4	\$ 15	\$ 0	\$ 0	\$ 1,753
Communication	\$ 10,973 21	\$ 10,791	\$ 54	\$ 8	\$ 23	\$ 94	\$ 2	\$ 3	\$ 10,973
Data Processing Services	\$ 28,036 21	\$ 27,569	\$ 139	\$ 20	\$ 58	\$ 239	\$ 4	\$ 7	\$ 28,036
Debt Collection Services	\$ 1,232 21	\$ 1,211	\$ 6	\$ 1	\$ 3	\$ 10	\$ 0	\$ 0	\$ 1,232
Dues & Memberships	\$ 5,877 21	\$ 5,780	\$ 29	\$ 4	\$ 12	\$ 50	\$ 1	\$ 1	\$ 5,877
Engineering Services	\$ 10,975 21	\$ 10,792	\$ 54	\$ 8	\$ 23	\$ 94	\$ 2	\$ 3	\$ 10,975
Evaluation & Testing	\$ 3,987 21	\$ 3,921	\$ 20	\$ 3	\$ 8	\$ 34	\$ 1	\$ 1	\$ 3,987
Janitorial Services	\$ 810 21	\$ 797	\$ 4	\$ 1	\$ 2	\$ 7	\$ 0	\$ 0	\$ 810
Legal Services	\$ 3,376 21	\$ 3,320	\$ 17	\$ 2	\$ 7	\$ 29	\$ 0	\$ 1	\$ 3,376
Legal Notices, Recording	\$ 882 21	\$ 867	\$ 4	\$ 1	\$ 2	\$ 8	\$ 0	\$ 0	\$ 882
Licenses	\$ 400 21	\$ 393	\$ 2	\$ 0	\$ 1	\$ 3	\$ 0	\$ 0	\$ 400
Maint & Repair Service - Building	\$ 1,154 21	\$ 1,135	\$ 6	\$ 1	\$ 2	\$ 10	\$ 0	\$ 0	\$ 1,154
Maint & Repair Service - Office Equip	\$ 246 21	\$ 242	\$ 1	\$ 0	\$ 1	\$ 2	\$ 0	\$ 0	\$ 246
Pest Control	\$ 260 21	\$ 256	\$ 1	\$ 0	\$ 1	\$ 2	\$ 0	\$ 0	\$ 260
Postal Charges	\$ 21,533 21	\$ 21,175	\$ 106	\$ 15	\$ 45	\$ 183	\$ 3	\$ 5	\$ 21,533
Travel	\$ 2,218 21	\$ 2,181	\$ 11	\$ 2	\$ 5	\$ 19	\$ 0	\$ 1	\$ 2,218
Other Contracted Services	\$ 2,000 21	\$ 1,967	\$ 10	\$ 1	\$ 4	\$ 17	\$ 0	\$ 0	\$ 2,000
Custodial Supplies	\$ 566 21	\$ 557	\$ 3	\$ 0	\$ 1	\$ 5	\$ 0	\$ 0	\$ 566
Natural Gas	\$ 2,796 21	\$ 2,750	\$ 14	\$ 2	\$ 6	\$ 24	\$ 0	\$ 1	\$ 2,796
Office Supplies	\$ 4,336 21	\$ 4,264	\$ 21	\$ 3	\$ 9	\$ 37	\$ 1	\$ 1	\$ 4,336
Water & Sewer	\$ 1,610 21	\$ 1,583	\$ 8	\$ 1	\$ 3	\$ 14	\$ 0	\$ 0	\$ 1,610
Indirect Cost	\$ 24 21	\$ 24	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 24
Liability Insurance	\$ 9,992 21	\$ 9,826	\$ 49	\$ 7	\$ 21	\$ 85	\$ 1	\$ 2	\$ 9,992
Premiums on Corporate Surety B	\$ 2,960 21	\$ 2,911	\$ 15	\$ 2	\$ 6	\$ 25	\$ 0	\$ 1	\$ 2,960
Trustee's Commission	\$ 31,030 21	\$ 30,513	\$ 153	\$ 22	\$ 65	\$ 264	\$ 4	\$ 7	\$ 31,030
Vehicle & Equipment Insurance	\$ 9,020 21	\$ 8,870	\$ 45	\$ 6	\$ 19	\$ 77	\$ 1	\$ 2	\$ 9,020
Workman's Comp Insurance	\$ 14,282 21	\$ 14,044	\$ 71	\$ 10	\$ 30	\$ 122	\$ 2	\$ 3	\$ 14,282
Inservice/Staff Development	\$ 3,205 21	\$ 3,152	\$ 16	\$ 2	\$ 7	\$ 27	\$ 0	\$ 1	\$ 3,205
Fines, assessments, & Penalties	\$ 5,721 21	\$ 5,625	\$ 28	\$ 4	\$ 12	\$ 49	\$ 1	\$ 1	\$ 5,721
Other Charges	\$ 3,549 21	\$ 3,490	\$ 18	\$ 3	\$ 7	\$ 30	\$ 0	\$ 1	\$ 3,549
Subtotal Admin & General	\$ 522,279	\$ 513,586	\$ 2,583	\$ 373	\$ 1,089	\$ 4,450	\$ 73	\$ 124	\$ 522,279
Total Operating Expenses	\$ 717,571	\$ 705,627	\$ 3,549	\$ 513	\$ 1,497	\$ 6,114	\$ 100	\$ 171	\$ 717,571
		98%	0%	0%	0%	1%	0%	0%	100%

**Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Operating Expenses**

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	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Source of Supply									
Contracts w/ Government Agency	\$ 234,778	\$ 205,566	\$ 3,053	\$ 280	\$ 9,917	\$ 1,903	\$ 7,306	\$ 6,753	\$ 234,778
Projected Treatment Expenses	\$ 198,697	\$ 173,974	\$ 2,584	\$ 237	\$ 8,393	\$ 1,611	\$ 6,183	\$ 5,715	\$ 198,697
Subtotal Source of Supply	\$ 433,475	\$ 379,540	\$ 5,637	\$ 518	\$ 18,311	\$ 3,514	\$ 13,489	\$ 12,467	\$ 433,475
Distribution									
Payroll - Foremen	\$ 100,630	\$ 90,284	\$ 1,454	\$ 102	\$ 3,066	\$ 939	\$ 2,727	\$ 2,059	\$ 100,630
Payroll - Equipment Operators	\$ 39,499	\$ 35,438	\$ 571	\$ 40	\$ 1,203	\$ 368	\$ 1,071	\$ 808	\$ 39,499
Payroll - Laborers	\$ 167,020	\$ 149,848	\$ 2,413	\$ 170	\$ 5,088	\$ 1,558	\$ 4,527	\$ 3,417	\$ 167,020
Maint & Repair - Equipment	\$ 12,855	\$ 11,533	\$ 186	\$ 13	\$ 392	\$ 120	\$ 348	\$ 263	\$ 12,855
Maint & Repair - Vehicles	\$ 5,065	\$ 4,544	\$ 73	\$ 5	\$ 154	\$ 47	\$ 137	\$ 104	\$ 5,065
Diesel Fuel	\$ 13,801	\$ 12,382	\$ 199	\$ 14	\$ 420	\$ 129	\$ 374	\$ 282	\$ 13,801
Electricity	\$ 53,012	\$ 47,562	\$ 766	\$ 54	\$ 1,615	\$ 494	\$ 1,437	\$ 1,084	\$ 53,012
Fertilizer, Lime, Chemicals	\$ 2,224	\$ 1,995	\$ 32	\$ 2	\$ 68	\$ 21	\$ 60	\$ 45	\$ 2,224
Gasoline	\$ 32,087	\$ 28,788	\$ 464	\$ 33	\$ 978	\$ 299	\$ 870	\$ 656	\$ 32,087
General Construction Materials	\$ 112,531	\$ 100,961	\$ 1,626	\$ 114	\$ 3,428	\$ 1,050	\$ 3,050	\$ 2,302	\$ 112,531
Small Tools	\$ 1,757	\$ 1,577	\$ 25	\$ 2	\$ 54	\$ 16	\$ 48	\$ 36	\$ 1,757
Tires & Tubes	\$ 6,059	\$ 5,436	\$ 88	\$ 6	\$ 185	\$ 57	\$ 164	\$ 124	\$ 6,059
Uniforms	\$ 4,003	\$ 3,936	\$ 20	\$ 3	\$ 8	\$ 34	\$ 1	\$ 1	\$ 4,003
Subtotal Distribution	\$ 550,543	\$ 494,284	\$ 7,916	\$ 558	\$ 16,659	\$ 5,132	\$ 14,813	\$ 11,181	\$ 550,543
Admin & General									
Payroll - Supervisor/Director	\$ 66,144	\$ 59,565	\$ 931	\$ 66	\$ 1,942	\$ 615	\$ 1,723	\$ 1,301	\$ 66,144
Payroll - Assistants	\$ 39,350	\$ 38,695	\$ 195	\$ 28	\$ 82	\$ 335	\$ 5	\$ 9	\$ 39,350
Payroll - Accountants/Bookkeepers	\$ 146,838	\$ 144,394	\$ 726	\$ 105	\$ 306	\$ 1,251	\$ 20	\$ 35	\$ 146,838
Payroll - Longevity Pay	\$ 6,900	\$ 6,391	\$ 78	\$ 6	\$ 144	\$ 62	\$ 124	\$ 94	\$ 6,900
Payroll - Overtime	\$ 26,262	\$ 24,325	\$ 295	\$ 24	\$ 549	\$ 238	\$ 473	\$ 358	\$ 26,262
Payroll - Board & Committee Members Fee	\$ 4,200	\$ 3,890	\$ 47	\$ 4	\$ 88	\$ 38	\$ 76	\$ 57	\$ 4,200
Social Security	\$ 35,586	\$ 32,961	\$ 400	\$ 33	\$ 743	\$ 322	\$ 641	\$ 485	\$ 35,586
Extension Service Medicare	\$ 8,323	\$ 7,709	\$ 94	\$ 8	\$ 174	\$ 75	\$ 150	\$ 113	\$ 8,323
State Retirement	\$ 18,909	\$ 17,515	\$ 213	\$ 17	\$ 395	\$ 171	\$ 340	\$ 258	\$ 18,909
Employee & Dependent Insurance	\$ 119,762	\$ 110,931	\$ 1,346	\$ 109	\$ 2,502	\$ 1,084	\$ 2,156	\$ 1,633	\$ 119,762
Life Insurance	\$ 376	\$ 348	\$ 4	\$ 0	\$ 8	\$ 3	\$ 7	\$ 5	\$ 376
Disability Insurance	\$ 1,820	\$ 1,686	\$ 20	\$ 2	\$ 38	\$ 16	\$ 33	\$ 25	\$ 1,820
Audit Services	\$ 1,753	\$ 1,724	\$ 9	\$ 1	\$ 4	\$ 15	\$ 0	\$ 0	\$ 1,753
Communication	\$ 10,973	\$ 10,791	\$ 54	\$ 8	\$ 23	\$ 94	\$ 2	\$ 3	\$ 10,973
Data Processing Services	\$ 28,036	\$ 27,569	\$ 139	\$ 20	\$ 58	\$ 239	\$ 4	\$ 7	\$ 28,036
Debt Collection Services	\$ 1,232	\$ 1,211	\$ 6	\$ 1	\$ 3	\$ 10	\$ 0	\$ 0	\$ 1,232
Dues & Memberships	\$ 5,877	\$ 5,780	\$ 29	\$ 4	\$ 12	\$ 50	\$ 1	\$ 1	\$ 5,877
Engineering Services	\$ 29,242	\$ 26,334	\$ 412	\$ 29	\$ 859	\$ 272	\$ 762	\$ 575	\$ 29,242
Evaluation & Testing	\$ 3,987	\$ 3,921	\$ 20	\$ 3	\$ 8	\$ 34	\$ 1	\$ 1	\$ 3,987
Janitorial Services	\$ 810	\$ 797	\$ 4	\$ 1	\$ 2	\$ 7	\$ 0	\$ 0	\$ 810
Legal Services	\$ 8,996	\$ 8,101	\$ 127	\$ 9	\$ 264	\$ 84	\$ 234	\$ 177	\$ 8,996
Legal Notices, Recording	\$ 882	\$ 867	\$ 4	\$ 1	\$ 2	\$ 8	\$ 0	\$ 0	\$ 882
Licenses	\$ 400	\$ 393	\$ 2	\$ 0	\$ 1	\$ 3	\$ 0	\$ 0	\$ 400
Maint & Repair Service - Building	\$ 1,154	\$ 1,135	\$ 6	\$ 1	\$ 2	\$ 10	\$ 0	\$ 0	\$ 1,154
Maint & Repair Service - Office Equip	\$ 246	\$ 242	\$ 1	\$ 0	\$ 1	\$ 2	\$ 0	\$ 0	\$ 246
Pest Control	\$ 260	\$ 256	\$ 1	\$ 0	\$ 1	\$ 2	\$ 0	\$ 0	\$ 260
Postal Charges	\$ 21,533	\$ 21,175	\$ 106	\$ 15	\$ 45	\$ 183	\$ 3	\$ 5	\$ 21,533
Travel	\$ 2,218	\$ 2,181	\$ 11	\$ 2	\$ 5	\$ 19	\$ 0	\$ 1	\$ 2,218
Other Contracted Services	\$ 2,000	\$ 1,967	\$ 10	\$ 1	\$ 4	\$ 17	\$ 0	\$ 0	\$ 2,000
Custodial Supplies	\$ 566	\$ 557	\$ 3	\$ 0	\$ 1	\$ 5	\$ 0	\$ 0	\$ 566
Natural Gas	\$ 2,796	\$ 2,750	\$ 14	\$ 2	\$ 6	\$ 24	\$ 0	\$ 1	\$ 2,796
Office Supplies	\$ 4,336	\$ 4,264	\$ 21	\$ 3	\$ 9	\$ 37	\$ 1	\$ 1	\$ 4,336
Water & Sewer	\$ 1,610	\$ 1,583	\$ 8	\$ 1	\$ 3	\$ 14	\$ 0	\$ 0	\$ 1,610
Indirect Cost	\$ 24	\$ 24	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 24
Liability Insurance	\$ 9,992	\$ 9,826	\$ 49	\$ 7	\$ 21	\$ 85	\$ 1	\$ 2	\$ 9,992
Premiums on Corporate Surety B	\$ 2,960	\$ 2,911	\$ 15	\$ 2	\$ 6	\$ 25	\$ 0	\$ 1	\$ 2,960
Trustee's Commission	\$ 31,030	\$ 30,513	\$ 153	\$ 22	\$ 65	\$ 264	\$ 4	\$ 7	\$ 31,030
Vehicle & Equipment Insurance	\$ 9,020	\$ 8,870	\$ 45	\$ 6	\$ 19	\$ 77	\$ 1	\$ 2	\$ 9,020
Workman's Comp Insurance	\$ 14,282	\$ 14,044	\$ 71	\$ 10	\$ 30	\$ 122	\$ 2	\$ 3	\$ 14,282
Inservice/Staff Development	\$ 3,205	\$ 3,152	\$ 16	\$ 2	\$ 7	\$ 27	\$ 0	\$ 1	\$ 3,205
Fines, assessments, & Penalties	\$ 5,721	\$ 5,625	\$ 28	\$ 4	\$ 12	\$ 49	\$ 1	\$ 1	\$ 5,721
Other Charges	\$ 3,549	\$ 3,490	\$ 18	\$ 3	\$ 7	\$ 30	\$ 0	\$ 1	\$ 3,549
Subtotal Admin & General	\$ 683,159	\$ 650,460	\$ 5,730	\$ 563	\$ 8,449	\$ 6,021	\$ 6,769	\$ 5,167	\$ 683,159
Total Operating Expenses	\$ 1,667,177	\$ 1,524,285	\$ 19,283	\$ 1,638	\$ 43,419	\$ 14,666	\$ 35,070	\$ 28,816	\$ 1,667,177
		91%	1%	0%	3%	1%	2%	2%	100%

Debt Service

Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019
 Classification of Debt Service
 Main Menu

	Actual	Adi.	Test Yr.	Base	Ex-Cap	Cust	Total	Description	Base	Ex-Cap	Cust	Total
Debt Service												
2016 Bonds	\$ 436,308		\$ 436,308	53%	12%	35%	100%	As Outside Pit *	\$ 230,433	\$ 53,167	\$ 152,708	\$ 436,308
Rural Development	\$ 16,692		\$ 16,692	53%	12%	35%	100%	As Outside Pit *	\$ 8,816	\$ 2,034	\$ 5,842	\$ 16,692
Potential New Debt - Verona Caney		\$ 29,020	\$ 29,020	53%	12%	35%	100%	As Outside Pit *	\$ 15,327	\$ 3,536	\$ 10,157	\$ 29,020
Potential New Debt - 31-A		\$ 101,569	\$ 101,569	53%	12%	35%	100%	As Outside Pit *	\$ 53,643	\$ 12,377	\$ 35,549	\$ 101,569
Potential New Debt - Treatment		\$ 715,558	\$ 715,558	81%	19%	0%	100%	As LC	\$ 581,410	\$ 134,148	\$ -	\$ 715,558
Subtotal Debt Service	\$ 453,000	\$ 846,147	\$ 1,299,147						\$ 889,629	\$ 205,262	\$ 204,256	\$ 1,299,147
									68%	16%	16%	100%
Total Debt Service	\$ 453,000	\$ 846,147	\$ 1,299,147						\$ 889,629	\$ 205,262	\$ 204,256	\$ 1,299,147
									68%	16%	16%	100%

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Base P&I
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	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Debt Service									
2016 Bonds	\$ 230,433	\$ 201,761	\$ 2,996	\$ 275	\$ 9,734	\$ 1,868	\$ 7,171	\$ 6,628	\$ 230,433
Rural Development	\$ 8,816	\$ 7,719	\$ 115	\$ 11	\$ 372	\$ 71	\$ 274	\$ 254	\$ 8,816
Potential New Debt - Verona Caney	\$ 15,327	\$ 13,420	\$ 199	\$ 18	\$ 647	\$ 124	\$ 477	\$ 441	\$ 15,327
Potential New Debt - 31-A	\$ 53,643	\$ 46,969	\$ 698	\$ 64	\$ 2,266	\$ 435	\$ 1,669	\$ 1,543	\$ 53,643
Potential New Debt - Treatment	\$ 581,410	\$ 509,068	\$ 7,560	\$ 694	\$ 24,560	\$ 4,713	\$ 18,092	\$ 16,722	\$ 581,410
Subtotal Debt Service	\$ 889,629	\$ 778,936	\$ 11,568	\$ 1,063	\$ 37,580	\$ 7,211	\$ 27,684	\$ 25,587	\$ 889,629
Total Debt Service	\$ 889,629	\$ 778,936	\$ 11,568	\$ 1,063	\$ 37,580	\$ 7,211	\$ 27,684	\$ 25,587	\$ 889,629
		88%	1%	0%	4%	1%	3%	3%	100%

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Extra Capacity P&I
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	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Debt Service									
2016 Bonds	\$ 53,167	34	\$ 2,552	\$ 59	\$ 3,240	\$ 901	\$ 4,633	\$ 2,261	\$ 53,167
Rural Development	\$ 2,034	34	\$ 98	\$ 2	\$ 124	\$ 34	\$ 177	\$ 87	\$ 2,034
Potential New Debt - Verona Caney	\$ 3,536	34	\$ 170	\$ 4	\$ 215	\$ 60	\$ 308	\$ 150	\$ 3,536
Potential New Debt - 31-A	\$ 12,377	34	\$ 594	\$ 14	\$ 754	\$ 210	\$ 1,079	\$ 526	\$ 12,377
Potential New Debt - Treatment	\$ 134,148	34	\$ 6,439	\$ 148	\$ 8,175	\$ 2,272	\$ 11,689	\$ 5,706	\$ 134,148
Subtotal Debt Service	\$ 205,262		\$ 9,852	\$ 226	\$ 12,508	\$ 3,477	\$ 17,886	\$ 8,730	\$ 205,262
Total Debt Service	\$ 205,262		\$ 9,852	\$ 226	\$ 12,508	\$ 3,477	\$ 17,886	\$ 8,730	\$ 205,262

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Customer P&I
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	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Debt Service									
2016 Bonds	\$ 152,708	\$ 150,166	\$ 755	\$ 109	\$ 318	\$ 1,301	\$ 21	\$ 36	\$ 152,708
Rural Development	\$ 5,842	\$ 5,745	\$ 29	\$ 4	\$ 12	\$ 50	\$ 1	\$ 1	\$ 5,842
Potential New Debt - Verona Caney	\$ 10,157	\$ 9,988	\$ 50	\$ 7	\$ 21	\$ 87	\$ 1	\$ 2	\$ 10,157
Potential New Debt - 31-A	\$ 35,549	\$ 34,958	\$ 176	\$ 25	\$ 74	\$ 303	\$ 5	\$ 8	\$ 35,549
Potential New Debt - Treatment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Debt Service	\$ 204,256	\$ 200,856	\$ 1,010	\$ 146	\$ 426	\$ 1,740	\$ 28	\$ 49	\$ 204,256
Total Debt Service	\$ 204,256	\$ 200,856	\$ 1,010	\$ 146	\$ 426	\$ 1,740	\$ 28	\$ 49	\$ 204,256

Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019
 Allocation of P&I
 Main Menu

	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Debt Service									
2016 Bonds	\$ 436,308	\$ 391,449	\$ 6,304	\$ 443	\$ 13,292	\$ 4,070	\$ 11,825	\$ 8,925	\$ 436,308
Rural Development	\$ 16,692	\$ 14,976	\$ 241	\$ 17	\$ 509	\$ 156	\$ 452	\$ 341	\$ 16,692
Potential New Debt - Verona Caney	\$ 29,020	\$ 26,036	\$ 419	\$ 29	\$ 884	\$ 271	\$ 786	\$ 594	\$ 29,020
Potential New Debt - 31-A	\$ 101,569	\$ 91,127	\$ 1,467	\$ 103	\$ 3,094	\$ 947	\$ 2,753	\$ 2,078	\$ 101,569
Potential New Debt - Treatment	\$ 715,558	\$ 608,787	\$ 13,999	\$ 842	\$ 32,735	\$ 6,985	\$ 29,782	\$ 22,428	\$ 715,558
Subtotal Debt Service	\$ 1,299,147	\$ 1,132,375	\$ 22,431	\$ 1,435	\$ 50,514	\$ 12,428	\$ 45,598	\$ 34,366	\$ 1,299,147
Total Debt Service	\$ 1,299,147	\$ 1,132,375	\$ 22,431	\$ 1,435	\$ 50,514	\$ 12,428	\$ 45,598	\$ 34,366	\$ 1,299,147
		87%	2%	0%	4%	1%	4%	3%	100%

Fixed Expenses

Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019
 Classification of Fixed Expenses

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	<u>Actual</u>	<u>Adj.</u>	<u>Test Yr.</u>	<u>Base</u>	<u>Ex-Cap</u>	<u>Cust</u>	<u>Total</u>	<u>Description</u>	<u>Base</u>	<u>Ex-Cap</u>	<u>Cust</u>	<u>Total</u>
Depreciation												
Depreciation Expense	\$ 568,651		\$ 568,651	51%	12%	38%	100%	As TUPIS *	\$ 288,634	\$ 66,596	\$ 213,421	\$ 568,651
Subtotal Depreciation	\$ 568,651	\$ -	\$ 568,651	51%	12%	38%	100%		\$ 288,634	\$ 66,596	\$ 213,421	\$ 568,651
Total Fixed Expenses												
	\$ 568,651	\$ -	\$ 568,651	51%	12%	38%	100%		\$ 288,634	\$ 66,596	\$ 213,421	\$ 568,651

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Base Fixed Expenses
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	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Depreciation									
Depreciation Expense	\$ 288,634	\$ 252,720	\$ 3,753	\$ 345	\$ 12,192	\$ 2,340	\$ 8,982	\$ 8,302	\$ 288,634
Subtotal Depreciation	\$ 288,634	\$ 252,720	\$ 3,753	\$ 345	\$ 12,192	\$ 2,340	\$ 8,982	\$ 8,302	\$ 288,634
Total Fixed Expenses									
	\$ 288,634	\$ 252,720	\$ 3,753	\$ 345	\$ 12,192	\$ 2,340	\$ 8,982	\$ 8,302	\$ 288,634

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Extra Capacity Fixed Expenses
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	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Depreciation									
Depreciation Expense	\$66,596	\$49,504	\$3,196	\$73	\$4,058	\$1,128	\$5,803	\$2,832	\$66,596
Subtotal Depreciation	\$66,596	\$49,504	\$3,196	\$73	\$4,058	\$1,128	\$5,803	\$2,832	\$66,596
Total Fixed Expenses									
	\$66,596	\$49,504	\$3,196	\$73	\$4,058	\$1,128	\$5,803	\$2,832	\$66,596

**Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019
 Allocation of Customer Fixed Expenses**
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	<u>Test Yr.</u>	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Depreciation									
Depreciation Expense	\$ 213,421	\$ 209,869	\$ 1,056	\$ 153	\$ 445	\$ 1,819	\$ 30	\$ 51	\$ 213,421
Subtotal Depreciation	<u>\$ 213,421</u>	<u>\$ 209,869</u>	<u>\$ 1,056</u>	<u>\$ 153</u>	<u>\$ 445</u>	<u>\$ 1,819</u>	<u>\$ 30</u>	<u>\$ 51</u>	<u>\$ 213,421</u>
Total Fixed Expenses	<u>\$ 213,421</u>	<u>\$ 209,869</u>	<u>\$ 1,056</u>	<u>\$ 153</u>	<u>\$ 445</u>	<u>\$ 1,819</u>	<u>\$ 30</u>	<u>\$ 51</u>	<u>\$ 213,421</u>

**Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019
 Allocation of Fixed Expenses**

Main Menu

	<u>Test Yr.</u>	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Depreciation									
Depreciation Expense	\$ 568,651	\$ 512,094	\$ 8,005	\$ 571	\$ 16,696	\$ 5,286	\$ 14,815	\$ 11,185	\$ 568,651
Subtotal Depreciation	<u>\$ 568,651</u>	<u>\$ 512,094</u>	<u>\$ 8,005</u>	<u>\$ 571</u>	<u>\$ 16,696</u>	<u>\$ 5,286</u>	<u>\$ 14,815</u>	<u>\$ 11,185</u>	<u>\$ 568,651</u>
Total Fixed Expenses	<u>\$ 568,651</u>	90%	1%	0%	3%	1%	3%	2%	100%

CIP

Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019
 Classification of CIP
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Capital Improvement Plan										
	Actual	IYA	Growth	Test Yr.	Base	Ex-Cap	Cust	Total	Description	Total
Yell Road Project	\$ 225,000		\$ -	\$ -	53%	12%	35%	100%	As Dist Pit	100%
Verona Caney Project	\$ 1,000,000	\$ (1,000,000)	\$ -	\$ -	53%	12%	35%	100%	As Dist Pit	100%
Purchase of Chapel Hill Water System	\$ 1,500,000	\$ -	\$ -	\$ 1,500,000	53%	12%	35%	100%	As Dist Pit	100%
31-A Project	\$ 3,500,000	\$ (3,500,000)	\$ -	\$ -	53%	12%	35%	100%	As Dist Pit	100%
Fishing Ford Pumping Station	\$ 300,000	\$ -	\$ -	\$ 300,000	53%	12%	35%	100%	As Dist Pit	100%
Water Treatment Plant	\$ 18,000,000	\$ (18,000,000)	\$ -	\$ -	81%	19%	0%	100%	As LC	100%
Water System Upgrade	\$ 4,000,000	\$ (4,000,000)	\$ -	\$ -	53%	12%	35%	100%	As Dist Pit	100%
Water System Upgrades on 31-A from Verona Caney Road 2030	\$ 3,000,000	\$ (3,000,000)	\$ -	\$ -	53%	12%	35%	100%	As Dist Pit	100%
Subtotal Capital Improvement Plan	\$ 31,525,000	\$ (29,500,000)	\$ -	\$ 2,025,000	53%	12%	35%	100%		100%

RR&Ext. Amount Workplan Period **5** \$ 2,025,000

Total CIP \$ 2,025,000

Total Rate Funding \$ 2,843,255

\$ 405,000 Amount R&R Related

\$ 568,651 Forced into Rates

\$ 568,651 Depreciation Check

100%

Marshall County Board of Public Utilities
 Water Cost of Service-12-Months Ending June 2019
 Allocation of Base CIP
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	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Capital Improvement Plan									
Yell Road Project	\$ 118,832	\$ 104,046	\$ 1,545	\$ 142	\$ 5,020	\$ 963	\$ 3,698	\$ 3,418	\$ 118,832
Verona Caney Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase of Chapel Hill Water System	\$ 792,214	\$ 693,642	\$ 10,301	\$ 946	\$ 33,465	\$ 6,422	\$ 24,652	\$ 22,785	\$ 792,214
31-A Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fishing Ford Pumping Station	\$ 158,443	\$ 138,728	\$ 2,060	\$ 189	\$ 6,693	\$ 1,284	\$ 4,930	\$ 4,557	\$ 158,443
Water Treatment Plant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water System Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water System Upgrades on 31-A from Verona Caney Road 2030	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Capital Improvement Plan	\$ 1,069,489	\$ 936,417	\$ 13,907	\$ 1,277	\$ 45,177	\$ 8,669	\$ 33,281	\$ 30,760	\$ 1,069,489
		88%	1%	0%	4%	1%	3%	3%	100%

**Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Extra Capacity CIP**
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Capital Improvement Plan

	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Yell Road Project	\$ 27,418	\$ 20,381	\$ 1,316	\$ 30	\$ 1,671	\$ 464	\$ 2,389	\$ 1,166	\$ 27,418
Verona Caney Project	-	-	-	-	-	-	-	-	-
Purchase of Chapel Hill Water System	\$ 182,786	\$ 135,874	\$ 8,773	\$ 202	\$ 11,139	\$ 3,096	\$ 15,928	\$ 7,774	\$ 182,786
31-A Project	-	-	-	-	-	-	-	-	-
Fishing Ford Pumping Station	\$ 36,557	\$ 27,175	\$ 1,755	\$ 40	\$ 2,228	\$ 619	\$ 3,186	\$ 1,555	\$ 36,557
Water Treatment Plant	-	-	-	-	-	-	-	-	-
Water System Upgrade	-	-	-	-	-	-	-	-	-
Water System Upgrades on 31-A from Verona Caney Road 2030	-	-	-	-	-	-	-	-	-
Subtotal Capital Improvement Plan	\$ 246,761	\$ 183,431	\$ 11,844	\$ 272	\$ 15,037	\$ 4,179	\$ 21,502	\$ 10,495	\$ 246,761
		74%	5%	0%	6%	2%	9%	4%	100%

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of Customer CIP
[Main Menu](#)

Capital Improvement Plan

	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Yell Road Project	\$ 78,750	\$ 77,439	\$ 389	\$ 56	\$ 164	\$ 671	\$ 11	\$ 19	\$ 78,750
Verona Caney Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase of Chapel Hill Water System	\$ 525,000	\$ 516,262	\$ 2,596	\$ 375	\$ 1,095	\$ 4,473	\$ 73	\$ 125	\$ 525,000
31-A Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fishing Ford Pumping Station	\$ 105,000	\$ 103,252	\$ 519	\$ 75	\$ 219	\$ 895	\$ 15	\$ 25	\$ 105,000
Water Treatment Plant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water System Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water System Upgrades on 31-A from Verona Caney Road 2030	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Capital Improvement Plan	\$ 708,750	\$ 696,953	\$ 3,505	\$ 507	\$ 1,478	\$ 6,039	\$ 99	\$ 169	\$ 708,750
		98%	0%	0%	0%	1%	0%	0%	100%

Marshall County Board of Public Utilities
Water Cost of Service-12-Months Ending June 2019
Allocation of CIP
Main Menu

Capital Improvement Plan

	Test Yr.	Res	Bus	Ind	A/C/I	Exempt	CH	HP	Total
Yell Road Project	\$ 225,000	\$ 201,867	\$ 3,251	\$ 228	\$ 6,855	\$ 2,099	\$ 6,098	\$ 4,603	\$ 225,000
Verona Caney Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase of Chapel Hill Water System	\$ 1,500,000	\$ 1,345,779	\$ 21,671	\$ 1,523	\$ 45,698	\$ 13,991	\$ 40,653	\$ 30,685	\$ 1,500,000
31-A Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fishing Ford Pumping Station	\$ 300,000	\$ 269,156	\$ 4,334	\$ 305	\$ 9,140	\$ 2,798	\$ 8,131	\$ 6,137	\$ 300,000
Water Treatment Plant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water System Upgrade	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water System Upgrades on 31-A from Verona Caney Road 2030	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Capital Improvement Plan	\$ 2,025,000	\$ 1,816,801	\$ 29,256	\$ 2,056	\$ 61,692	\$ 18,888	\$ 54,882	\$ 41,424	\$ 2,025,000
		90%	1%	0%	3%	1%	3%	2%	100%



Mickey King, Chairman
3211 Ostella Rd
Cornersville, TN 37047
Phone: home: 931-293-2250
Cell: 931-607-5848
Email: jmk3211@gmail.com
4 year term (9/1/2018-6/30/22)

Tony Beyer, Vice Chairman
1686 Franklin Pike
Lewisburg, TN 37091
Phone: home: 931-359-3262
Cell: 931-797-0795
Email: tonybeyer@yahoo.com
3 year term (9/1/2018-6/30/2021)

Joseph Warner
4231 Pyles Road
Chapel Hill, TN 37034
Phone: Cell: 931-703-2889
Email: carcarwar2001@gmail.com
4 year term (9/1/2018-6/30/22)

Ray Wakefield
1083 Poor House Rd
Lewisburg, TN 37091
Phone: home: 931-359-2328
Cell: 931-637-4544
Email: raysannette@gmail.com
3 year term (9/1/2018-6/30/2021)

Donnie Moses
1451 Keith Cove
Lewisburg, TN 37091
Phone: Cell: 931-637-2543

Email: donniemo70@gmail.com
3 year term (7/1/2020-6/30/2023)

REC'D JAN 02 2019

TENNESSEE ASSOCIATION OF UTILITY DISTRICTS

Phone: (615) 896-9022
Fax: (615) 898-8283
Web: www.taud.org



Post Office Box 2529
Murfreesboro, TN 37133-2529

840 Commercial Court
Murfreesboro, TN 37129

Wednesday, December 26, 2018

Marshall County Board of Public Utilities
624 West Commerce St.
Lewisburg, TN 37091

I have set forth below a record of the training and continuing education classes provided by TAUD which the members of the governing board of the municipality's or county's water or sewer system attended in the 2018 calendar year. The classes attended and the hours reported are based upon name badge scans made at sessions attended by the board members at TAUD Conferences or upon the Continuing Education forms completed by the board members at TAUD classes.

duplicate

Name	Event Date	Event Name	Hours
Mickey King	10-09-2018	Utility Commissioner Training	6
Mickey King	12-18-2018	Municipal Utility Official Training Class (Both Nights)	6
Mickey King	12-18-2018	Municipal Utility Official Training Class (Both Nights)	6
Tony Beyer	12-18-2018	Municipal Utility Official Training Class (Both Nights)	12
Joseph Warner	12-18-2018	Municipal Utility Official Training Class (Both Nights)	12
Donnie Moses	12-18-2018	Municipal Utility Official Training Class (Both Nights)	12

Please verify that the training and continuing education classes attended by the board members listed in this letter are accurate. Each board member should have previously received a certificate of attendance issued by TAUD certifying attendance at each of the classes set forth in this letter. If this record of attendance of TAUD training and continuing education classes is not accurate, please contact Beth Hardiman at (615) 900-1014 or by e-mail at bethhardiman@taud.org.

Pursuant to T.C.A § 7-34-115(j)-(k), the members of the governing board of a municipal or county water or sewer system are required to meet the training and continuing education requirements set forth in subsection (j). If any board member fails to meet the training and continuing education requirements set forth in subsection (j), the Water and Wastewater Financing Board has the

wkr attachment #11

Tennessee Duck River Development Agency

210 East Depot Street • Shelbyville, TN 37160 • O (931)684-7820 • F (931)685-0949 • www.duckriveragency.org

February 5, 2018

Gayle Miller
Marshall County Board of Public Utilities
624 West Commerce Street
Lewisburg, TN 37091

To Whom It May Concern:

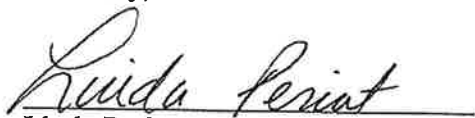
This letter certifies that the following individual attended 6 hours of utility board member training at Henry Horton State Park on January 26, 2018.

Ray Wakefield

Hosted by Tennessee Duck River Development Agency and presented by John Greer, Utilities Specialist for the Tennessee Comptroller of the Treasury, this training meets certification requirements under Public Chapter 118.

This training also qualifies for 5 CMFO credits.

Sincerely,



Linda Periat
Director of Finance and Administration
Tennessee Duck River Development Agency

Tennessee Duck River Development Agency

210 East Depot Street • Shelbyville, TN 37160 • O (931)684-7820 • F (931)685-0949 • www.duckriveragency.org

Agenda Water and Waste Water Utility Board Member Training Henry Horton State Park - Room A&B January 26, 2018 12noon to 6:00pm

The Duck River Agency is sponsoring a six-hour training session for water and waste water system utility board members that will meet training certification required under Public Chapter 118. The training will be provided by the Comptroller's Office.

12:00	Top 10 Utility Audit Findings	John Greer
1:00	Top 10 Utility Audit Findings	John Greer
1:45	Break	DRA
2:00	Top 10 Audit Findings	John Greer
3:00	Introduction to Comptroller's Office	Christin Lotz
3:45	Break	DRA
4:00	Legislative Update	Christin Lotz
5:00	DRA Program and Project Overview	Doug Murphy

Duck River Basin

Water and Waste Water Utility Board Member Training

Registration for May 17, 2018

The Duck River Agency is sponsoring a six-hour training session for water and waste water system utility board members that will meet training certification required under Public Chapter 118. The training will be provided by the Comptroller's Office. *Pre-registration is required.*

Date and Time: May 17, 2018; 12:00 noon to 6:30pm

Registration Deadline: May 1, 2018

Location: The training will be held at Henry Horton State Park in the AB room on the bottom floor of the motel, left of the gift shop.

Questions: Linda Periot or Doug Murphy (931)684-7820 or linda@duckriveragency.org or doug@duckriveragency.org.

Name of Utility:

Address:

Contact Person:

email:

List of Attendees:

Name and title with utility, i.e. chairman, board member, etc.	EMAIL
Ray Wakefield	

REC'D JAN 07 2021

TENNESSEE ASSOCIATION OF UTILITY DISTRICTS

Phone: (615) 896-9022
 Fax: (615) 898-8283
 Web: www.taud.org



Post Office Box 2529
 Murfreesboro, TN 37133-2529
 840 Commercial Court
 Murfreesboro, TN 37129

Sunday, January 03, 2021

Marshall County Board of Public Utilities
 624 West Commerce St.
 Lewisburg, TN 37091

I have set forth below a record of the training and continuing education classes provided by TAUD which the commissioners of your utility attended in the 2020 calendar year. The classes attended and the hours reported are based upon name badge scans made at sessions attended by the commissioners at TAUD Conferences or upon the Continuing Education forms completed by the commissioners at TAUD classes.

Name	Event Date	Event Name	Hours
A. Ray Wakefield	10-12-2020	Utility Commissioner Training (Both Days)	12
Tony Beyer	10-28-2020	2020 Leadership Conference	12

Please verify that the training and continuing education classes attended by the utility's commissioners listed in this letter are accurate. If this record of training and continuing education classes is not accurate, please contact Beth Hardiman at (615) 900-1014 or by e-mail at bethhardiman@taud.org.

Pursuant to T.C.A § 7-82-308(f)(4), each utility commissioner must file an Annual Statement of Utility Commissioner Training with your utility by January 31 of each year to certify the training and continuing education courses attended during the prior calendar year (see enclosed form). The training and continuing education classes set forth in this letter and any other properly approved training and continuing education classes attended in 2020 need to be included in the Annual Statement for 2020. The Annual Statement needs to be filed in the utility's office no later than January 31, 2021. The certificate of attendance previously issued by TAUD to each utility commissioner certifying attendance at each of the classes set forth in this letter must be attached to the Annual Statement. Even if no training was received in 2020, each utility commissioner should complete and sign an Annual Statement showing zero hours attended. Commissioners failing to

BOARD MEMBER TRAINING

CHAIRMAN MICKEY KING reappointed 9/1/18 commissioner		
DATE	CLASS	CE HRS
10/9/2018	Municipal Officer Training	6 HRS
12/18/2018	Municipal Officer Training	6 HRS
	TOTAL FIRST YEAR TRAINING	12 HRS
11/13/2019	Commissioner Training	12 HRS

RAY WAKEFIELD reappointed 9/1/17 at large		
DATE	CLASS	CE HRS
1/26/2018	Training @ Henry Horton State Park	6 HRS
5/17/2018	Training @ Henry Horton State Park	6 HRS
	TOTAL FIRST YEAR TRAINING	12 HRS
10/12-13/2020	Training @ Summertown- two days	12 HRS

TONY BEYER reappointed 9/1/18 commissioner		
DATE	CLASS	CE HRS
12/18/2018	Municiple Officer Training	6HRS
12/19/2018	Municiple Officer Training	6HRS
	TOTAL FIRST YEAR TRAINING	12HRS
10/28-10/30	Commissioner Training- TAUD in Gatlinburg, TN	12 Hrs

Write Attachment
-#12

Marshall Co Public Utilities Code Summary

Service Type WT Water
Cycle All Cycles
Account Range All Accounts
Date Range History Date Range
 02/01/2021 To 02/28/2021

Break Report Down By Customer Type
Breakdown Addons By Service Type
Include Inactive Accounts
Inactive Accounts To Include Inactive Accounts With Arrears Shown In Billing
Use Reading Factor

Print Add On Usage

Service	Rate	Charges	Total	Usage	Adjustment Amount	Adjusted Total
***** Customer Type 01 Residential *****						
WT Water	01 Water	\$192,077.70	\$192,077.70	14,470,800		
Local Tax	02 Tax	\$4,311.77	\$4,311.77			
State Tax	01 Sales Tax	\$13,408.62	\$13,408.62			
Net Amount		\$209,798.09	\$209,798.09			
Penalty	01 Penalty	\$3,186.72	\$3,186.72			
Gross Amount		\$212,984.81	\$212,984.81			
Total Amount		\$212,984.81	\$212,984.81	14,470,800		
***** Customer Type 02 Business *****						
WT Water	01 Water	\$993.70	\$993.70	73,400		
Local Tax	02 Tax	\$20.20	\$20.20			
State Tax	01 Sales Tax	\$62.78	\$62.78			
Net Amount		\$1,076.68	\$1,076.68			
Penalty	01 Penalty	\$2.00	\$2.00			
Gross Amount		\$1,078.68	\$1,078.68			
Total Amount		\$1,078.68	\$1,078.68	73,400		
***** Customer Type 03 Industrial *****						
WT Water	01 Water	\$152.50	\$152.50	13,800		
Local Tax	02 Tax	\$3.43	\$3.43			
State Tax	01 Sales Tax	\$10.68	\$10.68			
Net Amount		\$166.61	\$166.61			
Penalty	01 Penalty	\$16.90	\$16.90			
Gross Amount		\$183.51	\$183.51			
Total Amount		\$183.51	\$183.51	13,800		
***** Customer Type 6 AG/Comm/Ind *****						
WT Water	04 Ag/Comm/Ind	\$8,182.00	\$8,182.00	803,700		
Local Tax	02 Tax	\$124.59	\$124.59			
State Tax	01 Sales Tax	\$387.59	\$387.59			
Net Amount		\$8,694.18	\$8,694.18			
Penalty	01 Penalty	\$238.70	\$238.70			
Gross Amount		\$8,932.88	\$8,932.88			
Total Amount		\$8,932.88	\$8,932.88	803,700		
***** Customer Type E Exempt *****						
WT Water	01 Water	\$1,134.40	\$1,134.40	50,400		

Marshall Co Public Utilities Code Summary

Service Type WT Water
Cycle All Cycles
Account Range All Accounts
Date Range History Date Range
 01/01/2021 To 01/31/2021

Break Report Down By Customer Type
Breakdown Addons By Service Type
Include Inactive Accounts
Inactive Accounts To Include Inactive Accounts With Arrears Shown In Billing
Use Reading Factor

Print Add On Usage

Service	Rate	Charges	Total	Usage	Adjustment Amount	Adjusted Total
***** Customer Type 01 Residential *****						
WT Water	01 Water	\$233,413.30	\$233,413.30	18,673,800		
Local Tax	02 Tax	\$5,236.40	\$5,236.40			
State Tax	01 Sales Tax	\$16,285.36	\$16,285.36			
Net Amount		\$254,935.06	\$254,935.06			
Penalty	01 Penalty	\$2,825.52	\$2,825.52			
Gross Amount		\$257,760.58	\$257,760.58			
Total Amount		\$257,760.58	\$257,760.58	18,673,800		
***** Customer Type 02 Business *****						
WT Water	01 Water	\$1,200.70	\$1,200.70	90,500		
Local Tax	02 Tax	\$24.70	\$24.70			
State Tax	01 Sales Tax	\$76.85	\$76.85			
Net Amount		\$1,302.25	\$1,302.25			
Penalty	01 Penalty	\$2.00	\$2.00			
Gross Amount		\$1,304.25	\$1,304.25			
Total Amount		\$1,304.25	\$1,304.25	90,500		
***** Customer Type 03 Industrial *****						
WT Water	01 Water	\$169.00	\$169.00	14,900		
Local Tax	02 Tax	\$3.80	\$3.80			
State Tax	01 Sales Tax	\$11.83	\$11.83			
Net Amount		\$184.63	\$184.63			
Gross Amount		\$184.63	\$184.63			
Total Amount		\$184.63	\$184.63	14,900		
***** Customer Type 6 AG/Comm/Ind *****						
WT Water	04 Ag/Comm/Ind	\$8,873.00	\$8,873.00	876,300		
Local Tax	02 Tax	\$151.28	\$151.28			
State Tax	01 Sales Tax	\$470.61	\$470.61			
Net Amount		\$9,494.89	\$9,494.89			
Gross Amount		\$9,494.89	\$9,494.89			
Total Amount		\$9,494.89	\$9,494.89	876,300		
***** Customer Type E Exempt *****						
WT Water	01 Water	\$1,364.80	\$1,364.80	74,300		
	02 Chapel Hill	\$3,694.53	\$3,694.53	869,300		
	03 Horton Park	\$5,383.90	\$5,383.90	1,266,800		

Marshall Co Public Utilities Code Summary

Service Type WT Water
Cycle All Cycles
Account Range All Accounts
Date Range History Date Range
 12/01/2020 To 12/31/2020

Break Report Down By Customer Type
Breakdown Addons By Service Type
Include Inactive Accounts
Inactive Accounts To Include Inactive Accounts With Arrears Shown In Billing
Use Reading Factor

Print Add On Usage

Service	Rate	Charges	Total	Usage	Adjustment Amount	Adjusted Total
**** Customer Type 01 Residential ****						
WT Water	01 Water	\$193,738.90	\$193,738.90	14,700,200		
Local Tax	02 Tax	\$4,352.69	\$4,352.69			
State Tax	01 Sales Tax	\$13,536.33	\$13,536.33			
Net Amount		\$211,627.92	\$211,627.92			
Penalty	01 Penalty	\$2,907.76	\$2,907.76			
Gross Amount		\$214,535.68	\$214,535.68			
Total Amount		\$214,535.68	\$214,535.68	14,700,200		
**** Customer Type 02 Business ****						
WT Water	01 Water	\$1,170.20	\$1,170.20	91,600		
Local Tax	02 Tax	\$23.61	\$23.61			
State Tax	01 Sales Tax	\$73.46	\$73.46			
Net Amount		\$1,267.27	\$1,267.27			
Penalty	01 Penalty	\$9.44	\$9.44			
Gross Amount		\$1,276.71	\$1,276.71			
Total Amount		\$1,276.71	\$1,276.71	91,600		
**** Customer Type 03 Industrial ****						
WT Water	01 Water	\$211.00	\$211.00	17,700		
Local Tax	02 Tax	\$4.75	\$4.75			
State Tax	01 Sales Tax	\$14.77	\$14.77			
Net Amount		\$230.52	\$230.52			
Gross Amount		\$230.52	\$230.52			
Total Amount		\$230.52	\$230.52	17,700		
**** Customer Type 6 AG/Comm/Ind ****						
WT Water	04 Ag/Comm/Ind	\$6,601.00	\$6,601.00	649,100		
Local Tax	02 Tax	\$103.53	\$103.53			
State Tax	01 Sales Tax	\$322.07	\$322.07			
Net Amount		\$7,026.60	\$7,026.60			
Gross Amount		\$7,026.60	\$7,026.60			
Total Amount		\$7,026.60	\$7,026.60	649,100		
**** Customer Type E Exempt ****						
WT Water	01 Water	\$1,887.20	\$1,887.20	104,600		
	02 Chapel Hill	\$3,603.58	\$3,603.58	847,900		
	03 Horton Park	\$1,380.40	\$1,380.40	324,800		

Service	Rate	Charges	Total	Usage	Adjustment Amount	Adjusted Total
	04 Ag/Comm/Ind	\$1,406.00	\$1,406.00	138,600		
		\$8,277.18	\$0.00	\$8,277.18	1,415,900	
Local Tax	02 Tax	\$1.21	\$1.21			
State Tax	01 Sales Tax	\$3.75	\$3.75			
Net Amount		\$8,282.14	\$8,282.14			
Penalty	01 Penalty	\$382.58	\$382.58			
Gross Amount		\$8,664.72	\$8,664.72			
Total Amount		\$8,664.72	\$8,664.72	1,415,900		
***** Summary For All Customer Types *****						
WT Water	01 Water	\$197,007.30	\$197,007.30	14,914,100		
	02 Chapel Hill	\$3,603.58	\$3,603.58	847,900		
	03 Horton Park	\$1,380.40	\$1,380.40	324,800		
	04 Ag/Comm/Ind	\$8,007.00	\$8,007.00	787,700		
		\$209,998.28	\$0.00	\$209,998.28	16,874,500	
Local Tax	02 Tax	\$4,485.79	\$4,485.79			
State Tax	01 Sales Tax	\$13,950.38	\$13,950.38			
Net Amount		\$228,434.45	\$228,434.45			
Penalty	01 Penalty	\$3,299.78	\$3,299.78			
Gross Amount		\$231,734.23	\$231,734.23			
Total Amount		\$231,734.23	\$231,734.23	16,874,500		

WTR Attachment #13

MARSHALL CO. BOARD OF PUBLIC UTILITIES
 624 W. COFFEE ST.
 LEWISBURG, TN 37091

Code Description	Date	Service	Rate	Service Amt	S1 Amount	S2 Amount	LT Amount	ST Amount	Penalty Amt	Unapp Cash	Total Amt
AR Type Totals For Route 0070											
Total Adjustments							(3,056.20)				0.00
Total Payments							0.00				0.00
Total Deposit Receipts							0.00				0.00
Total Deposits Applied							0.00				0.00
Total Charges Billed							0.00				0.00
Total Bad Debt Writeoffs							0.00				0.00
Total Bad Debt Recovered							0.00				0.00

AR Code Summary For Route 0070

LEK Leak Adjustment (3,056.20) # of Trans. 12

AR Type Report Totals

Total Adjustments	(45,601.95)	Total Unapplied Cash Applied	0.00
Total Payments	0.00	Total Penalties	0.00
Total Deposit Receipts	0.00	Total Immediate Cash Receipts	0.00
Total Deposits Applied	0.00	Total State Tax Billed	0.00
Total Charges Billed	0.00	Total State Tax Received	0.00
Total Bad Debt Writeoffs	0.00	Total Local Tax Billed	0.00
Total Bad Debt Recovered	0.00	Total Local Tax Received	0.00

AR Code Report Summary

LEK Leak Adjustment (45,601.95) # of Trans. 205

3/1/2020 - 3/31/2021

We collect our cost of water from the customer but adjust our rate per hour to the customer.

13. Adjustments to Bills / Leak Adjustments

No customer shall receive more than one (1) adjustment in a twelve (12) month period. All requests for leak adjustments must be received in writing, in person, at the business office of the System during regular business hours. Customer must locate and repair the leak before any request for a leak adjustment is made. Accommodations will be made for handicapped customers via request to the business office. The System shall be under no obligation to extend the discount or the due date of the time for paying any bills because of a billing adjustment.

The System shall not be obligated to make any adjustments to any bills not contested after ninety (90) days from the billing date.

If an adjustment of the customer's bill is warranted, the amount of the bill will be determined based on an average for the billing period for the last four (4) months before the leak occurred plus our water purchase rate per one thousand (1000) gallons used in excess of the average. If the customer does not have a four (4) month period to average, a lesser period may be used, but not less than two (2) months. A customer who does not have at least two (2) months bills to average for a leak adjustment will be required to pay one-half (1/2) of the bill reflecting the leak.

Adjustments on water bills will not be made for the following:

- a) Premises left or abandoned without reasonable care for the plumbing system.**
- b) Filling of swimming pools.**
- c) Watering of lawns or gardens.**
- d) When more than one service or house is on a meter.**
- e) Any water meter/service 2" or larger.**
- f) Any service receiving agriculture / commercial / industrial discount (for agricultural use only excluding irrigation).**

The leak adjustment does not include any other fees or service charges made to the account.



Purchase Order

Dispatch via Print

Econ & Community Dev
 312 ROSA L PARKS AVE
 WM R SNODGRASS TN TOWER
 NASHVILLE TN 37243-0405
 United States

Supplier: 0000002714
 Marshall County Government
 DBA: Marshall County Trustee
 1102 Courthouse Anx
 Lewisburg TN 37091

Purchase Order 33001-0000012749	Date 11/01/2018	Revision 1	Page 1
Payment Terms Net 30	Freight Terms FOB DESTINATION	Ship Via BEST	
Buyer Julia A Eschbach	Phone 615-253-1900	Currency USD	

Ship To: 0000002364
 312 ROSA L PARKS AVE
 22nd FLOOR
 NASHVILLE TN 37243
 United States

Attention: Not Specified

Bill To: 312 ROSA L PARKS AVE
 WM R SNODGRASS TN TOWER
 NASHVILLE TN 37243-0405
 United States

Line-Sch	Item/Description	Mfg ID	Quantity	UOM	PO Price	Extended Amt	Due Date
1- 1	Federal Programs: Community Development Block Grant Program		1.00	DO	525,000.00	525,000.00	10/20/2018

Contract ID: 00000000000000000057942

Schedule Total 525,000.00

Contract Line: 1 **Category Line:** 0 **Release:** 42

Item Total 525,000.00

Total PO Amount 525,000.00

Authorized Signature



GOVERNMENTAL GRANT CONTRACT

(cost reimbursement grant contract with a federal or Tennessee local governmental entity or their agents and instrumentalities)

Begin Date November 1, 2018	End Date October 31, 2021	Agency Tracking # 33004-95218	Edison ID 12749
Grantee Legal Entity Name Marshall County Government			Edison Vendor ID 2714

Subrecipient or Contractor <input checked="" type="checkbox"/> Subrecipient <input type="checkbox"/> Contractor	CFDA # 14.228 Grantee's fiscal year end 06/30
--	--

Service Caption (one line only)
Federal Programs: Community Development Block Grant Program - *Water Line Imp*

Funding —					
FY	State	Federal	Interdepartmental	Other	TOTAL Grant Contract Amount
2018		\$525,000.00			\$525,000.00
TOTAL:		\$525,000.00			\$525,000.00

Grantee Selection Process Summary

Competitive Selection

Non-competitive Selection

Grantees under the Community Development Block Grant Program are selected based upon criteria set forth in the Delegated Grant Authority for this program.

Budget Officer Confirmation: There is a balance in the appropriation from which obligations hereunder are required to be paid that is not already encumbered to pay other obligations.

Jessica D. Johnson
10/19/18

CPO USE - GG

Speed Chart (optional)	Account Code (optional) 7130
-------------------------------	--

57942

amount due the Grantee under this Grant Contract. The Grant Budget line-items include, but are not limited to, all applicable taxes, fees, overhead, and all other direct and indirect costs incurred or to be incurred by the Grantee.

- C.2. Compensation Firm. The Maximum Liability of the State is not subject to escalation for any reason unless amended. The Grant Budget amounts are firm for the duration of the Grant Contract and are not subject to escalation for any reason unless amended, except as provided in Section C.6.
- C.3. Payment Methodology. The Grantee shall be reimbursed for actual, reasonable, and necessary costs based upon the Grant Budget, not to exceed the Maximum Liability established in Section C.1. Upon progress toward the completion of the Scope, as described in Section A of this Grant Contract, the Grantee shall submit invoices prior to any reimbursement of allowable costs.
- C.4. Travel Compensation. Reimbursement to the Grantee for travel, meals, or lodging shall be subject to amounts and limitations specified in the "State Comprehensive Travel Regulations," as they are amended from time to time, and shall be contingent upon and limited by the Grant Budget funding for said reimbursement.
- C.5. Invoice Requirements. The Grantee shall invoice the State no more often than monthly, with all necessary supporting documentation, and present such to:

ECD.Invoices@tn.gov

- a. Each invoice shall clearly and accurately detail all of the following required information (calculations must be extended and totaled correctly).
- (1) Invoice/Reference Number (assigned by the Grantee).
 - (2) Invoice Date.
 - (3) Invoice Period (to which the reimbursement request is applicable).
 - (4) Grant Contract Number (assigned by the State).
 - (5) Grantor: Department of Economic and Community Development, Community Development Block Grant Program.
 - (6) Grantor Number (assigned by the Grantee to the above-referenced Grantor).
 - (7) Grantee Name.
 - (8) Grantee Tennessee Edison Registration ID Number Referenced in Preamble of this Grant Contract.
 - (9) Grantee Remittance Address.
 - (10) Grantee Contact for Invoice Questions (name, phone, or fax).
 - (11) Itemization of Reimbursement Requested for the Invoice Period— it must detail, at minimum, all of the following:
 - i. The amount requested by Grant Budget line-item (including any travel expenditure reimbursement requested and for which documentation and receipts, as required by "State Comprehensive Travel Regulations," are attached to the invoice).
 - ii. The amount reimbursed by Grant Budget line-item to date.
 - iii. The total amount reimbursed under the Grant Contract to date.
 - iv. The total amount requested (all line-items) for the Invoice Period.
- b. The Grantee understands and agrees to all of the following.
- (1) An invoice under this Grant Contract shall include only reimbursement requests for actual, reasonable, and necessary expenditures required in the delivery of service described by this Grant Contract and shall be subject to the Grant Budget

- the difference to the State. The Grantee shall submit the refund with the final grant disbursement reconciliation report.
- c. The State shall not be responsible for the payment of any invoice submitted to the state after the grant disbursement reconciliation report. The State will not deem any Grantee costs submitted for reimbursement after the grant disbursement reconciliation report to be allowable and reimbursable by the State, and such invoices will NOT be paid.
 - d. The Grantee's failure to provide a final grant disbursement reconciliation report to the state as required shall result in the Grantee being deemed ineligible for reimbursement under this Grant Contract, and the Grantee shall be required to refund any and all payments by the state pursuant to this Grant Contract.
 - e. The Grantee must close out its accounting records at the end of the contract period in such a way that reimbursable expenditures and revenue collections are NOT carried forward.
- C.8. Indirect Cost. Should the Grantee request reimbursement for indirect costs, the Grantee must submit to the State a copy of the indirect cost rate approved by the cognizant federal agency or the cognizant state agency, as applicable. The Grantee will be reimbursed for indirect costs in accordance with the approved indirect cost rate and amounts and limitations specified in the attached Grant Budget. Once the Grantee makes an election and treats a given cost as direct or indirect, it must apply that treatment consistently and may not change during the Term. Any changes in the approved indirect cost rate must have prior approval of the cognizant federal agency or the cognizant state agency, as applicable. If the indirect cost rate is provisional during the Term, once the rate becomes final, the Grantee agrees to remit any overpayment of funds to the State, and subject to the availability of funds the State agrees to remit any underpayment to the Grantee.
- C.9. Cost Allocation. If any part of the costs to be reimbursed under this Grant Contract are joint costs involving allocation to more than one program or activity, such costs shall be allocated and reported in accordance with the provisions of Department of Finance and Administration Policy Statement 03 or any amendments or revisions made to this policy statement during the Term.
- C.10. Payment of Invoice. A payment by the State shall not prejudice the State's right to object to or question any reimbursement, invoice, or related matter. A payment by the State shall not be construed as acceptance of any part of the work or service provided or as approval of any amount as an allowable cost.
- C.11. Non-allowable Costs. Any amounts payable to the Grantee shall be subject to reduction for amounts included in any invoice or payment that are determined by the State, on the basis of audits or monitoring conducted in accordance with the terms of this Grant Contract, to constitute unallowable costs.
- C.12. State's Right to Set Off. The State reserves the right to set off or deduct from amounts that are or shall become due and payable to the Grantee under this Grant Contract or under any other agreement between the Grantee and the State of Tennessee under which the Grantee has a right to receive payment from the State.
- C.13. Prerequisite Documentation. The Grantee shall not invoice the State under this Grant Contract until the State has received the following, properly completed documentation.
- a. The Grantee shall complete, sign, and return to the State an "Authorization Agreement for Automatic Deposit (ACH Credits) Form" provided by the State. By doing so, the Grantee acknowledges and agrees that, once this form is received by the State, all

- a. No federally appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
- b. If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this contract, grant, loan, or cooperative agreement, the Grantee shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.
- c. The Grantee shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into and is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352.

- D.8. Communications and Contacts. All instructions, notices, consents, demands, or other communications required or contemplated by this Grant Contract shall be in writing and shall be made by certified, first class mail, return receipt requested and postage prepaid, by overnight courier service with an asset tracking system, or by email or facsimile transmission with recipient confirmation. All communications, regardless of method of transmission, shall be addressed to the respective party as set out below:

The State:

Kent Archer, Director
Department of Economic and Community Development
312 Rosa L. Parks Ave., 27th Floor
Nashville, Tennessee 37243
kent.archer@tn.gov
Telephone # 615-354-3591

The Grantee:

The Honorable Mike Keny, Mayor
Marshall County Government
1108 Courthouse Annex
Lewisburg, TN 37091
mkeny@marshallcountyttn.com
Telephone # (931) 359-1279
cmartin@sctdd.org

A change to the above contact information requires written notice to the person designated by the other party to receive notice.

All instructions, notices, consents, demands, or other communications shall be considered effectively given upon receipt or recipient confirmation as may be required.

reasonable notice by the Grantor State Agency, the Comptroller of the Treasury, or their duly appointed representatives.

The records shall be maintained in accordance with Governmental Accounting Standards Board (GASB) Accounting Standards or the Financial Accounting Standards Board (FASB) Accounting Standards Codification, as applicable, and any related AICPA Industry Audit and Accounting guides.

In addition, documentation of grant applications, budgets, reports, awards, and expenditures will be maintained in accordance with U.S. Office of Management and Budget's *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards*.

Grant expenditures shall be made in accordance with local government purchasing policies and procedures and purchasing procedures for local governments authorized under state law.

The Grantee shall also comply with any recordkeeping and reporting requirements prescribed by the Tennessee Comptroller of the Treasury.

The Grantee shall establish a system of internal controls that utilize the COSO Internal Control - Integrated Framework model as the basic foundation for the internal control system. The Grantee shall incorporate any additional Comptroller of the Treasury directives into its internal control system.

Any other required records or reports which are not contemplated in the above standards shall follow the format designated by the head of the Grantor State Agency, the Central Procurement Office, or the Commissioner of Finance and Administration of the State of Tennessee.

- D.16. Monitoring. The Grantee's activities conducted and records maintained pursuant to this Grant Contract shall be subject to monitoring and evaluation by the State, the Comptroller of the Treasury, or their duly appointed representatives.
- D.17. Progress Reports. The Grantee shall submit brief, periodic, progress reports to the State as requested.
- D.18. Annual and Final Reports. The Grantee shall submit, within three (3) months of the conclusion of each year of the Term, an annual report. For grant contracts with a term of less than one (1) year, the Grantee shall submit a final report within three (3) months of the conclusion of the Term. For grant contracts with multiyear terms, the final report will take the place of the annual report for the final year of the Term. The Grantee shall submit annual and final reports to the Grantor State Agency and the Department of Finance and Administration ("F&A"). Send electronic copies of annual and final reports to F&A at fa.audit@tn.gov. At minimum, annual and final reports shall include: (a) the Grantee's name; (b) the Grant Contract's Edison identification number, Term, and total amount; (c) a narrative section that describes the program's goals, outcomes, successes and setbacks, whether the Grantee used benchmarks or indicators to determine progress, and whether any proposed activities were not completed; and (d) other relevant details requested by the Grantor State Agency. Annual and final report documents to be completed by the Grantee shall appear on the Grantor State Agency's website or as an attachment to the Grant Contract.
- D.19. Audit Report. The Grantee shall be audited in accordance with applicable Tennessee law.

If the Grantee is subject to an audit under this provision, then the Grantee shall complete Attachment C.

When a federal single audit is required, the audit shall be performed in accordance with U.S. Office of Management and Budget's *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards*.

A copy of the audit report shall be provided to the Comptroller by the licensed, independent public accountant. Audit reports shall be made available to the public.

results in a delay in Grantee's performance longer than forty-eight (48) hours, the State may, upon notice to Grantee: (a) cease payment of the fees until Grantee resumes performance of the affected obligations; or (b) immediately terminate this Grant Contract or any purchase order, in whole or in part, without further payment except for fees then due and payable. Grantee will not increase its charges under this Grant Contract or charge the State any fees other than those provided for in this Grant Contract as the result of a Force Majeure Event.

- D.25. Tennessee Department of Revenue Registration. The Grantee shall comply with all applicable registration requirements contained in Tenn. Code Ann. §§ 67-6-601 – 608. Compliance with applicable registration requirements is a material requirement of this Grant Contract.
- D.26. Charges to Service Recipients Prohibited. The Grantee shall not collect any amount in the form of fees or reimbursements from the recipients of any service provided pursuant to this Grant Contract.
- D.27. No Acquisition of Equipment or Motor Vehicles. This Grant Contract does not involve the acquisition and disposition of equipment or motor vehicles acquired with funds provided under this Grant Contract.
- D.28. State and Federal Compliance. The Grantee shall comply with all applicable state and federal laws and regulations in the performance of this Grant Contract. The U.S. Office of Management and Budget's Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards is available here: http://www.ecfr.gov/cgi-bin/text-idx?SID=c6b2f053952359ba94470ad3a7c1a975&tpl=/ecfrbrowse/Title02/2cfr200_main_02.tpl
- D.29. Governing Law. This Grant Contract shall be governed by and construed in accordance with the laws of the State of Tennessee. The Grantee agrees that it will be subject to the exclusive jurisdiction of the courts of the State of Tennessee in actions that may arise under this Grant Contract. The Grantee acknowledges and agrees that any rights or claims against the State of Tennessee or its employees hereunder, and any remedies arising there from, shall be subject to and limited to those rights and remedies, if any, available under Tenn. Code Ann. §§ 9-8-101 through 9-8-407.
- D.30. Completeness. This Grant Contract is complete and contains the entire understanding between the parties relating to the subject matter contained herein, including all the terms and conditions agreed to by the parties. This Grant Contract supersedes any and all prior understandings, representations, negotiations, or agreements between the parties, whether written or oral.
- D.31. Severability. If any terms and conditions of this Grant Contract are held to be invalid or unenforceable as a matter of law, the other terms and conditions shall not be affected and shall remain in full force and effect. To this end, the terms and conditions of this Grant Contract are declared severable.
- D.32. Headings. Section headings are for reference purposes only and shall not be construed as part of this Grant Contract.
- D.33. Iran Divestment Act. The requirements of Tenn. Code Ann. § 12-12-101 et.seq., addressing contracting with persons as defined at T.C.A. §12-12-103(5) that engage in investment activities in Iran, shall be a material provision of this Grant Contract. The Grantee certifies, under penalty of perjury, that to the best of its knowledge and belief that it is not on the list created pursuant to Tenn. Code Ann. § 12-12-106.

E. SPECIAL TERMS AND CONDITIONS:

Security and Exchange Commission total compensation filings at <http://www.sec.gov/answers/execomp.htm>.)

As defined in 2 C.F.R. § 170.315, "Executive" means officers, managing partners, or any other employees in management positions.

- (2) Total compensation means the cash and noncash dollar value earned by the executive during the Grantee's preceding fiscal year and includes the following (for more information see 17 CFR § 229.402(c)(2)):
- i. Salary and bonus.
 - ii. Awards of stock, stock options, and stock appreciation rights. Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with the Statement of Financial Accounting Standards No. 123 (Revised 2004) (FAS 123R), Shared Based Payments.
 - iii. Earnings for services under non-equity incentive plans. This does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives, and are available generally to all salaried employees.
 - iv. Change in pension value. This is the change in present value of defined benefit and actuarial pension plans.
 - v. Above-market earnings on deferred compensation which is not tax qualified.
 - vi. Other compensation, if the aggregate value of all such other compensation (e.g. severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property) for the executive exceeds \$10,000.
- b. The Grantee must report executive total compensation described above to the State by the end of the month during which this Grant Contract is established.
- c. If this Grant Contract is amended to extend its term, the Grantee must submit an executive total compensation report to the State by the end of the month in which the amendment to this Grant Contract becomes effective.
- d. The Grantee will obtain a Data Universal Numbering System (DUNS) number and maintain its DUNS number for the term of this Grant Contract. More information about obtaining a DUNS Number can be found at: <http://fedgov.dnb.com/webform/>.

The Grantee's failure to comply with the above requirements is a material breach of this Grant Contract for which the State may terminate this Grant Contract for cause. The State will not be obligated to pay any outstanding invoice received from the Grantee unless and until the Grantee is in full compliance with the above requirements.

- E.4. **Conditional Award.** The award of this grant is conditional based on the successful completion of the environmental review process. In accordance with 24 CFR Part 58, recipients, owners, developers, sponsors or any third-party partners cannot undertake any physical actions on a site, commit, expend, or enter into any legally binding agreements that constitute choice-limiting actions for any HUD or non-HUD funds before the environmental review process has been completed and, if required, the Grantee has received a Release of Funds from the State. Choice-limiting actions are defined by HUD as expenditure of funds or entrance into a legally binding agreement for property acquisition, demolition, movement, rehabilitation, conversion, repair or construction. Any violation of this provision will result in the automatic denial of this funding request (or de-obligation of the CDBG funds, if already awarded).

ATTACHMENT A

SCOPE OF SERVICES
Community: Marshall County Government
Contact Person/Email: Chassity Martin, cmartin@sctdd.org
Complete Description of Scope of Services: The Grantee shall utilize grant funds to extend water lines to connect a minimum of 40 households, 28 of which are low and moderate income as defined in 24 CFR 570.3, along Robertson Road, Haislip Hollow Road, Dean Road and Virgil Beasley Road to the Marshall County Board of Public Utilities Water System.

ATTACHMENT B

GRANT BUDGET LINE-ITEM DETAIL:

OTHER NON-PERSONNEL	AMOUNT
State review, permit fees, surveying, and advertising	\$5,050.00
TOTAL	\$5,050.00

CAPITAL PURCHASE	AMOUNT
N/A	\$0.00
TOTAL	\$0.00

ENGINEERING (OTHER THAN DESIGN)	AMOUNT
TDEC Review Fees, Permits, Surveying, Advertising	\$9,500.00
TOTAL	\$9,500.00

ATTACHMENT D

Federal Award Identification Worksheet

Subrecipient's name (must match registered name in DUNS)	Marshall County Government
Subrecipient's DUNS number	08583678
Federal Award Identification Number (FAIN)	
Federal award date	
CFDA number and name	14.228
Grant contract's begin date	November 1, 2018
Grant contract's end date	October 31, 2021
Amount of federal funds obligated by this grant contract	\$525,000.00
Total amount of federal funds obligated to the subrecipient	
Total amount of the federal award to the pass-through entity (Grantor State Agency)	\$525,000.00
Name of federal awarding agency	HUD
Name and contact information for the federal awarding official	Mary Wilson 710 Locust Street SW Suite 300 Knoxville, TN 37902
Is the federal award for research and development?	NO
Indirect cost rate for the federal award (See 2 C.F.R. §200.331 for information on type of indirect cost rate)	N/A

Federal financial assistance is extended, or for another purpose involving the provisions of similar services or benefits;

- (2) Fair Housing Amendments Act of 1988 (FHAA), as amended, administering all program and activities relating to housing and community development in a manner to affirmatively further fair housing; and will take action to affirmatively further fair housing in the sale or rental of housing, the financing of housing, and the provision of brokerage services;
 - (3) Executive Order 12259, Leadership and Coordination of Fair Housing in Federal Programs, requiring that programs and activities relating to housing and urban development are administered in a manner affirmatively to further the goals of the FHAA;
 - (4) Section 109 of the HCDA, as amended, and the regulations issued pursuant thereto (24 CFR § 570.601), which provides that no person in the United States shall, on the grounds of race, color, national origin, or sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under, any program or activity funded in whole or in part with funds provided under the HCDA. Any prohibition against discrimination on the basis of age under the Age Discrimination Act of 1975 or with respect to otherwise qualified individuals with disabilities as provided in Section 504 of the Rehabilitation Act of 1973 shall also apply to any such program activity;
 - (5) Executive Order 11063 on equal opportunity in housing and nondiscrimination in the sale or rental of housing built with Federal assistance; and
 - (6) Executive Order 11246, as amended by Executive Orders 11375, 11478, 12107 and 12086, and the regulations issued pursuant thereto (24 CFR § 1.4 and 41 CFR § 60), which provide that no person shall be discriminated against on the basis of race, color, religion, sex, or national origin in all phases of employment during the performance of Federal or Federally assisted construction contracts. Contractors and subcontractors of Federal and Federally assisted construction contracts shall take affirmative action to insure fair treatment in employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination, rates of pay or other forms of compensation and selection for training and apprenticeship.
 - (7) Other applicable civil rights laws, including Section 104(b) of Title I of the HCDA, as amended, and the Americans with Disabilities Act of 1990.
- (h) It will comply with Section 3 of the Housing and Urban Development Act of 1968, as amended, and as implemented by the regulations set forth in 24 CFR Part 135, requiring that, to the greatest extent feasible, opportunities for training and employment be given to lower-income persons residing within the unit of local government in which the project is located; and that contracts for work in connection with the project be awarded to eligible business concerns which are located in, or owned in substantial part by, persons residing within the unit of local government. It will include Section 3 information in all subcontracts.
- (i) It will:
- (1) To the greatest extent practical under State law, comply with 24 U.S.C. §§ 4651–4655 of Subchapter III (Uniform Real Property Acquisition Policy) of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended, and will comply with HUD implementing instructions at 24 CFR Part 42; and
 - (2) Inform affected persons of their rights and of the acquisition policies and procedures set forth in the regulations at 24 CFR Part 42.
- (j) It will:
- (1) Comply with 42 U.S.C. §§ 4621–4638 of Subchapter II (Uniform Relocation Assistance) of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended, HUD implementing regulations at 49 CFR Part 24 and 24 CFR § 570.606(b), Section 104(d) of the HCDA, and the requirements in 24 CFR § 570.606(d);
 - (2) Provide relocation payments and offer relocation assistance as described in 42 U.S.C. § 4622 to all persons displaced as a result of acquisition of real property for an activity assisted under the Community Development Block Grant program. Such payments and assistance shall be provided in a

that it will furnish progress reports and other such information as requested.

- (u) It will comply with environmental requirements including:
 - (1) The National Environmental Policy Act of 1969, as amended (42 U.S.C. § 4321 *et seq.*) and 24 CFR Part 58;
 - (2) Executive Order 11988, Floodplain Management;
 - (3) Executive Order 11990, Protection of Wetlands;
 - (4) The Endangered Species Act of 1973, as amended (16 U.S.C. § 1531 *et seq.*);
 - (5) The Fish and Wildlife Coordination Act of 1958, as amended (16 U.S.C. § 661 *et seq.*);
 - (6) The Wild and Scenic Rivers Act of 1968, as amended (16 U.S.C. § 1271 *et seq.*);
 - (7) The Safe Drinking Water Act of 1974, as amended (42 U.S.C. § 300f *et seq.*);
 - (8) Section 401(f) of the Lead-Based Paint Poisoning Prevention Act, as amended (42 U.S.C. § 4831(b));
 - (9) The Clean Air Act of 1970, as amended (42 U.S.C. § 7401 *et seq.*);
 - (10) The Federal Water Pollution Control Act of 1972, as amended, including the Clean Water Act of 1977, Public Law 92-212 (33 U.S.C. § 1251 *et seq.*);
 - (11) The Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976 (42 U.S.C. § 6901 *et seq.*); and
 - (12) Environmental Protection Agency (EPA) regulations codified at 40 CFR Part 50, as amended.
- (v) It will minimize displacement as a result of activities assisted with CDBG funds;
- (w) It will conduct and administer its program in conformance with Title VI and Title VIII, and affirmatively further fair housing;
- (x) It will provide opportunities for citizen participation comparable to the State's requirements (those described in Section 104(a)(2) of the HCDA), as amended;
- (y) It will not use assessments or fees to recover the capital costs of CDBG-funded public improvements from low- and moderate-income owner occupants.
- (z) It will comply with:

The Armstrong/Walker "Excessive Force" Amendment (P.L. 101-144) found in Section 519 of the Department of Veteran Affairs and Housing and Urban Development, and Independent Agencies Appropriation Act of 1990, whereby the unit of general local government will be required to adopt and enforce a policy prohibiting the use of excessive force by law enforcement agencies within its jurisdiction against any individuals engaged in non-violent civil demonstrations.
- (aa) It will comply with Section 319 of Public Law 101-121 found in the Federal Register Vol. 54 No. 243.

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.



with attachment #16

Rural Development

Lawrenceburg
Area Office

237 Waterloo Street
Lawrenceburg, TN
38464

931-762-6913 x4
800-342-3149 x1493
Fax 855-776-7056

November 6, 2019

Marshall County
Mike Keny, County Mayor
1108 Courthouse Annex
Lewisburg TN 37091

Dear Mayor Keny:

You received notification from our State Office that your \$3,347,000 loan and \$1,223,000 was approved. The next step in the processing of your loan is to request closing instructions from our Regional Attorney. On September 30, 2019, a meeting was held to discuss the terms of the letter of conditions and it was agreed upon that you could meet these terms by September 30, 2020.

The next step in the processing of your loan is to request closing instructions from our Regional Attorney. The following forms are needed to request closing instructions and should be executed by you and your attorney as soon as possible:

1. Form FmHA 1927-9, Preliminary Title Opinion is required if any land owned or to be acquired that will be used by the county in developing the proposed extensions.
2. Form FmHA 442-21, Right-of-way Certificate, please note that a "Right-of-way Map" is to be attached to this form.
3. Form FmHA 442-22, Opinion of Counsel Relative to Right-of-Ways.
4. Form RD 1780-27, Loan Resolution
5. Form RD 400-1, Equal Opportunity Agreement
6. Form RD 400-4, Assurance Agreement

Please execute an original and one copy of each form and return to me at 237 Waterloo Street, Lawrenceburg, TN 38464. The above itemized forms should be executed on or after the date form RD 1780-27, Loan Resolution is executed. Please note that the certification on page 3 of the Loan Resolution is to be executed at loan closing.

In addition, your engineer should proceed to prepare the plans, specifications and contract documents for the project. These documents will need to be approved by our State Office prior to advertising for bids. The construction documents should consist of the EJCDC Construction Contract Documents (Funding Agency Edition) as indicated in the RUS Bulletin 1780-26 or other approved form of agreement.

Also, a right-of-way map and a "sign-up" map should be provided along with the plans and specifications. Item 20 of our letter of conditions dated September 30, 2019, states, "Easements and right-of-way will be acquired and lines located on private property unless authorized in writing by Rural Development to be located on road right-of way". Therefore, should you be unable to acquire the needed easements, you must make a request in writing for permission to place the lines on road rights-of-way. This letter should name the roads involved and state why you want to place the water lines on road rights-of-way. Also the letter should document your efforts to obtain the needed easements.

Before authorization can be given to advertise for bids or to order closing instructions, our State Office will need the Preliminary Bond Counsel documents.

USDA is an equal opportunity provider and employer.

If you wish to file a Civil Rights program complaint of discrimination, complete the USDA Program Discrimination Complaint Form (PDF), found online at http://www.ascr.usda.gov/complaint_filing_cust.html, or at any USDA office, or call (866) 632-9992 to request the form. You may also write a letter containing all of the information requested in the form. Send your completed complaint form or letter to us by mail at U.S. Department of Agriculture, Director, Office of Adjudication, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, by fax (202) 690-7442 or email at program.intake@usda.gov.



with attachment #1/6

Rural Development

September 30, 2019

Lawrenceburg
Area Office

237 Waterloo St.
Lawrenceburg, TN
38464

Mr. Mike Keny, Mayor
Marshall County
624 West Commerce
Lewisburg, TN 37091

931-762-6913 x4
800-342-3149 x1493
Fax 855-776-7056

RE: Water System Improvements \$3,347,000
USDA RD Loan & \$1,223,000 RD Grant

Dear Mr. Keny:

This letter establishes conditions, which must be understood and agreed by you before further consideration may be given to your application. The loan and grant will be administered on behalf of the USDA-Rural Development by the State and Area Staff of USDA-Rural Development. The project scope is based on the Preliminary Engineering Report by James C. Hailey & Co. Engineers, Inc., dated November, 2018 and amended September, 2019. Any changes in project cost, source of funds, scope of services, or any other significant changes in the project or applicant must be reported to and approved by USDA-Rural Development, by written amendment to this letter. If significant changes are made without obtaining such approval, USDA-Rural Development may discontinue processing of the application.

This letter does not constitute loan and/or grant approval, nor does it ensure that funds are or will be available for the project.

The interest rate will be the lower of the rate in effect at the time of loan approval or the time of loan closing. If you do not want the interest rate changed to the lower rate at loan closing, you should submit a written request to USDA-Rural Development staff at least 30 calendar days before loan closing. The loan will be considered approved on the date a signed copy of Form RD 1940-1, "Request for Obligation of Funds," is mailed to you.

Please complete and return the enclosed Form RD 1942-46, "Letter of Intent to Meet Conditions", and Form RD 1940-1, "Request for Obligation of Funds," within the next 15 days if you desire further consideration be given to your application.

Within 365 days of this letter, you must meet all of the conditions set forth which can be met prior to calling for construction bids. If you have not done so, USDA-Rural Development reserves the right to discontinue the processing of your application.

9. The Applicant must adopt a water rate schedule that will provide revenue sufficient to meet:
 - a. operation and maintenance expenses,
 - b. requirements for outstanding bonds,
 - c. Maintain a 25% reserve fund for operational and maintenance expenses,
10. Project Budget – Funding from all sources has been budgeted for the estimated expenditures as follows:

Project Costs:

Total Budgeted:			\$ <u>4,570,000</u>
Development	<u>\$3,897,357</u>		
Engineering Fees			\$ <u>318,500</u>
Design		\$ <u>219,500</u>	
PER & Enviro. Rpt		\$ <u>20,000</u>	
Inspection Fees		\$ <u>72,000</u>	
Permits & Fees		\$ <u>5,000</u>	
Surveying		\$ <u>2,500</u>	
Interest	\$ <u>66,000</u>		
Legal	\$ <u>18,000</u>		
Project Contingency	\$ <u>220,143</u>		
Lands and Rights	\$ <u>50,000</u>		
 TOTAL			 \$ <u>4,570,000</u>

11. Loan funds include \$66,000 to pay interest charged by the interim lender or interest on USDA-Rural Development advances, whichever applies. The Applicant will cover all additional interest associated with this project. Interim financing will be used if it is available at reasonable rates and terms. If interim financing is not available, USDA-Rural Development multiple advances will be used during the construction period.
12. The Applicant must adopt strict policies regarding the handling of delinquent accounts, new developments, subdivisions, and mobile homes.
13. All contracts, such as water purchase, engineering, legal and audit, must be submitted to the USDA-Rural Development State Director or his representative for concurrence. Contracts must be executed or approved by Applicant officials prior to submission to USDA-Rural Development. The contracts are not official until concurred in by the State Director or his representative.
14. The Applicant shall enter into a contract for legal services with an attorney of its choice. The bond, bond resolution and other legal documents compiling a bond transcript will be developed by the Applicant's attorney with the assistance of a recognized bond counsel and with the advice of appropriate USDA-Rural Development officials and Office of General Counsel, Regional Attorney. The attorney for the Applicant will contract with bond counsel for legal services and will pay for such services from the fee paid to the attorney by the Applicant. The form of the contract should conform to Guide 14, TN Instruction 1942-A and the cost of the legal services shall not be in excess

Bob

- 22. Final plans, specifications and contract documents must be approved in writing by the USDA-Rural Development State Director prior to the advertisement of construction bids. The contract documents will consist of 2013 EJCDC documents and will follow RUS Bulletin 1780-26 in compiling such documents. Construction will not commence prior to approval of contracts by the State Director or designee.
- 23. The water system project must be designed, installed and operated in accordance with applicable laws, which include but are not limited to the Safe Drinking Water Act, Clean Water Act, and Resource Conservation and Recovery Act, after completion of any proposed improvement. A certification of compliance will be required from the Tennessee Department of Environment and Conservation.
- 24. Applicant will comply with other Federal statutes, including but not limited to Section 504 of the Rehabilitation Act of 1973, as amended, the Civil Rights Act of 1964, the Americans with Disabilities Act of 1990, and the Age Discrimination Act of 1975. You must certify that the Utility District is in compliance with these acts and may wish to consult with your engineer and/or attorney before making the certification.
- 25. Property insurance will be required on all aboveground structures with the exception of water reservoirs, stand pipes, elevated tanks, and other non-combustible materials in the amount of their replacement value.
- 26. The Applicant will carry suitable workman's compensation insurance for all of its employees in accordance with state laws.
- 27. Public liability and property damage insurance will be required including coverage on any trucks, tractors, or other vehicles driven over public highways. The insurance must be in effect at the time of loan closing or start of construction, whichever occurs first. The amount of coverage will be determined by the Applicant in consultation with its attorney and representatives of USDA-Rural Development.
- 28. A position Fidelity Bond in the amount of at least equal to the total annual debt service requirements for USDA-Rural Development loans will be provided for the person or persons responsible for funds on hand. (Form RD 440-24, "Position Fidelity Schedule Bond," may be used.) USDA-Rural Development must be provided evidence of adequate fidelity bond coverage.
- 29. The Applicant will furnish audit reports annually. The audit should be conducted in accordance with generally accepted auditing standards and the requirements of OMB Circular A-133 by a Certified Public Accountant or Licensed Public Accountant. They must be certified or licensed in the State of Tennessee. The Applicant's accounting system shall be established and approved by USDA-Rural Development before the loan is closed.
- 30. Rural Development Debt Collection Policies shall be explained and acknowledged through the execution of Form RD 1910-11, "Application Certification, Federal Collection Policies for Consumer or Commercial Debts," prior to loan closing.
- 31. Form AD 1047, "Certification Regarding Debarment, Suspension, and Other Responsibility Matters," must be executed by Applicant. If there is a grant, Form AD 1049, "Certification Regarding Drug Free Workplace," must be executed by Applicant.

send blanket bond

38. Before the loan is closed, all requirements of this letter of conditions and the Regional Attorney's closing instructions will be met.

Project signs displayed at construction sites are an important part in keeping the public notified of the improvements being made. A format that should be used when signs are constructed for projects funded from any of the USDA-Rural Development services will be provided.

We would appreciate notification to this office at least two weeks in advance of setting the date for groundbreaking or dedication ceremonies.

We will work closely with you in developing the docket and will furnish you forms and guides to be used. We trust that loan closing and the water system improvements project will be accomplished at the earliest possible date.

Sincerely,

Faye C. McEwen

FAYE C. MCEWEN
Area Director

CC: Local Attorney
Bass, Berry & Sims, Bond Counsel
James C. Hailey & Co., Engineer
James D. Tracy, State Director - Rural Development

Notify
R/D.

Water and Waste System Grant Agreement

United States Department of Agriculture

Rural Utilities Service

THIS AGREEMENT dated _____, between

MARSHALL COUNTY

a public corporation organized and operating under

the laws of the State of Tennessee

(Authorizing Statute)

herein called "Grantee," and the United States of America acting through the Rural Utilities Service, Department of Agriculture, herein called "Grantor," WITNESSETH:

WHEREAS

Grantee has determined to undertake a project of acquisition, construction, enlargement, or capital improvement of a (water) (waste) system to serve the area under its jurisdiction at an estimated cost of \$ 4,570,000.00 and has duly authorized the undertaking of such project.

Grantee is able to finance not more than \$ 3,347,000.00 of the development costs through revenues, charges, taxes or assessments, or funds otherwise available to Grantee resulting in a reasonable user charge.

Said sum of \$ 3,347,000.00 has been committed to and by Grantee for such project development costs.

Grantor has agreed to grant the Grantee a sum not to exceed \$ 1,223,000.00 or 26.76 percent of said project development costs, whichever is the lesser, subject to the terms and conditions established by the Grantor. Provided, however, that the proportionate share of any grant funds actually advanced and not needed for grant purposes shall be returned immediately to the Grantor. The Grantor may terminate the grant in whole, or in part, at any time before the date of completion, whenever it is determined that the Grantee has failed to comply with the Conditions of the grant.

As a condition of this grant agreement, the Grantee assures and certifies that it is in compliance with and will comply in the course of the agreement with all applicable laws, regulations, Executive orders and other generally applicable requirements, including those set out in 7 CFR 3015.205(b), which hereby are incorporated into this agreement by reference, and such other statutory provisions as are specifically set forth herein.

NOW, THEREFORE, In consideration of said grant by Grantor to Grantee, to be made pursuant to Section 306(a) of The Consolidated Farm and Rural Development Act for the purpose only of defraying a part not to exceed 26.76 percent of the project development costs, as defined by applicable Rural Utilities Service instructions.

Grantee Agrees That Grantee Will:

A. Cause said project to be constructed within the total sums available to it, including said grant, in accordance with the project plans and specifications and any modifications thereof prepared by Grantee and approved by Grantor.

3. When the real property is no longer needed as provided in 1 and 2 above, the Grantee shall request disposition instructions from the Grantor agency or its successor Federal agency. The Grantor agency shall observe the following rules in the disposition instructions:

(a) The Grantee may be permitted to retain title after it compensates the Federal Government in an amount computed by applying the Federal percentage of participation in the cost of the original project to the fair market value of the property.

(b) The Grantee may be directed to sell the property under guidelines provided by the Grantor agency. When the Grantee is authorized or required to sell the property, proper sales procedures shall be established that provide for competition to the extent practicable and result in the highest possible return.

[Revision 1, 04/17/1998]

(c) The Grantee may be directed to transfer title to the property to the Federal Government provided that in such cases the Grantee shall be entitled to compensation computed by applying the Grantee's percentage of participation in the cost of the program or project to the current fair market value of the property.

This Grant Agreement covers the following described real property (use continuation sheets as necessary).

See Attachment A

L. Abide by the following conditions pertaining to equipment which is furnished by the Grantor or acquired wholly or in part with grant funds. Equipment means tangible, non-expendable, personal property having a useful life of more than one year and an acquisition cost of \$5,000 or more per unit. A grantee may use its own definition of equipment provided that such definition would at least include all equipment defined above.
[Revision 1, 04/17/1998]

1. Use of equipment.

(a) The Grantee shall use the equipment in the project for which it was acquired as long as needed. When no longer needed for the original project, the Grantee shall use the equipment in connection with its other Federally sponsored activities, if any, in the following order of priority:

1) Activities sponsored by the Grantor.

(2) Activities sponsored by other Federal agencies.

(b) During the time that equipment is held for use on the property for which it was acquired, the Grantee shall make it available for use on other projects if such other use will not interfere with the work on the project for which the equipment was originally acquired. First preference for such other use shall be given to Grantor sponsored projects. Second preference will be given to other Federally sponsored projects.

(c) A control system shall be in effect to insure adequate safeguards to prevent loss, damage, or theft of the equipment. Any loss, damage, or theft of equipment shall be investigated and fully documented.

(d) Adequate maintenance procedures shall be implemented to keep the equipment in good condition.

(e) Proper sales procedures shall be established for unneeded equipment which would provide for competition to the extent practicable and result in the highest possible return.

This Grant Agreement covers the following described equipment(use continuation sheets as necessary).

N/A

M. Provide Financial Management Systems which will include:

1. Accurate, current, and complete disclosure of the financial results of each grant. Financial reporting will be on an accrual basis.
2. Records which identify adequately the source and application of funds for grant-supported activities. Those records shall contain information pertaining to grant awards and authorizations, obligations, unobligated balances, assets, liabilities, outlays, and income.
3. Effective control over and accountability for all funds, property and other assets. Grantees shall adequately safeguard all such assets and shall assure that they are used solely for authorized purposes.
4. Accounting records supported by source documentation.

N. Retain financial records, supporting documents, statistical records, and all other records pertinent to the grant for a period of at least three years after grant closing except that the records shall be retained beyond the three-year period if audit findings have not been resolved. Microfilm or photo copies or similar methods may be substituted in lieu of original records. The Grantor and the Comptroller General of the United States, or any of their duly authorized representatives, shall have access to any books, documents, papers, and records of the Grantee's government which are pertinent to the specific grant program for the purpose of making audits, examinations, excerpts and transcripts.

O. Provide information as requested by the Grantor to determine the need for and complete any necessary Environmental Impact Statements.

P. Provide an audit report prepared in accordance with Grantor regulations to allow the Grantor to determine that funds have been used in compliance with the proposal, any applicable laws and regulations and this Agreement.

Q. Agree to account for and to return to Grantor interest earned on grant funds pending their disbursement for program purposes when the Grantee is a unit of local government. States and agencies or instrumentality's of states shall not be held accountable for interest earned on grant funds pending their disbursement.

Termination of This Agreement

This Agreement may be terminated for cause in the event of default on the part of the Grantee as provided in paragraph I above or for convenience of the Grantor and Grantee prior to the date of completion of the grant purpose. Termination for convenience will occur when both the Grantee and Grantor agree that the continuation of the project will not produce beneficial results commensurate with the further expenditure of funds.

In witness whereof Grantee on the date first above written has caused these presence to be executed by its duly authorized

County Mayor

attested and its corporate seal affixed by its duly authorized

County Clerk

Attest:

By Daphne Grits
(Title) County Clerk

By Mike Keny
(Title) County Mayor

UNITED STATES OF AMERICA

RURAL UTILITIES SERVICE

By Steven D. Shelton (Title)
Area Specialist

17.

- a. Our fees and rates are on our website for customers to view at their convenience.

WTR Attachment #18

ASSET KEY	INSTRV DATE	LIFE	BEGINNING BALANCE	ASSET VALUES		BASIS		ACCUMULATED DEPRECIATION		CURRENT DEPR	ENDING DEPR	CURRENT VALUE
				ADDITIONS	DISPOSALS	SALVAGE VALUE	DISPOSALS	DEPRECIATION	DEPRECIATION			
Class Code: 58190001												
2040000010		0	64,300.00	.00	.00	64,300.00	.00	.00	.00	.00	.00	64,300.00
2040000010	Desc: COMMERCE ST W-624											
2040000022		0	32,200.00	.00	.00	32,200.00	.00	.00	.00	.00	.00	32,200.00
2040000022	Desc: COMMERCE ST W-624											
2040000178		0	38,000.00	.00	.00	38,000.00	.00	.00	.00	.00	.00	38,000.00
2040000178	Desc: VERONA CANEY -TANK											
2040000199		0	5,000.00	.00	.00	5,000.00	.00	.00	.00	.00	.00	5,000.00
2040000199	Desc: OLD HWY 99 PUMPSTATION											
2040000335		0	62,300.00	.00	.00	62,300.00	.00	.00	.00	.00	.00	62,300.00
2040000335	Desc: SEWER PLANT VILLA WAY											
2040000421		0	50,300.00	.00	.00	50,300.00	.00	.00	.00	.00	.00	50,300.00
2040000421	Desc: SEWER--WARNER'S RIDGE SUBD											
2040001459		0	10,000.00	.00	.00	10,000.00	.00	.00	.00	.00	.00	10,000.00
2040001459	Desc: TANK WALNUT HILLS											
2040001595		0	37,800.00	.00	.00	37,800.00	.00	.00	.00	.00	.00	37,800.00
2040001595	Desc: MCBPU SHOP											
204000178A		0	5,000.00	.00	.00	5,000.00	.00	.00	.00	.00	.00	5,000.00
204000178A	Desc: PUMPSTATION VERONA CANEY RD											
2040001898		0	5,000.00	.00	.00	5,000.00	.00	.00	.00	.00	.00	5,000.00
2040001898	Desc: PUMPSTATION FISHING FORD RD											
2040001901		0	5,000.00	.00	.00	5,000.00	.00	.00	.00	.00	.00	5,000.00
2040001901	Desc: TANK FISHING FORD RD											
2040001902		0	1.00	.00	.00	1.00	.00	.00	.00	.00	.00	1.00
2040001902	Desc: PUMPSTATION ED WATSON RD											
2040001907		0	11,000.00	.00	.00	11,000.00	.00	.00	.00	.00	.00	11,000.00
2040001907	Desc: PUMPSTATION SPRING PLACE RD											
2040001908		0	10,000.00	.00	.00	10,000.00	.00	.00	.00	.00	.00	10,000.00
2040001908	Desc: TANK BARNES HOLLOW RD											
2040001909		0	5,000.00	.00	.00	5,000.00	.00	.00	.00	.00	.00	5,000.00
2040001909	Desc: DRIVEWAY HOLTS CORNER											
2040001910		0	5,000.00	.00	.00	5,000.00	.00	.00	.00	.00	.00	5,000.00
2040001910	Desc: ANES STATION RD-VACANT LAND											
204001909A		0	10,000.00	.00	.00	10,000.00	.00	.00	.00	.00	.00	10,000.00
204001909A	Desc: LAND-TANK-HOLTS CORNER											
Totals for Class Code: 58190001											.00	355,901.00
											.00	355,901.00

ASSET KEY	INVRV	DATE	LIFE	BALANCE	ADDITIONS	DISPOSALS	SALVAGE VALUE	BASIS	ACCUM DEPR	ACCUM DEPR	DISPOSED DEPRECIATION	ACCUM DEPR	ENDING	CURRENT VALUE
				(+	-	=	-	+	-	=	=	=	
				BEGINNING	ADDITIONS	DISPOSALS	VALUE	BASIS	ACCUM DEPR	ACCUM DEPR	DISPOSED DEPRECIATION	ACCUM DEPR	ENDING	CURRENT VALUE
Totals for Class Code: 58190004				300,585.23	34,999.33	83,917.25	.00	251,667.31	252,286.42	17,418.92	83,917.25	185,768.09		65,879.22
Class Code: 58190005														
2040000141	3/07	10		77,251.00	.00	.00	.00	77,251.00	77,251.00	.00	.00	77,251.00	.00	.00
Desc: TRUCKFREIGHTLINER DUMP 2006														
2040000143	5/07	10		739,222.00	.00	.00	.00	739,222.00	739,222.00	.00	.00	739,222.00	.00	.00
Desc: TRENCHER 2007 VERMEER														
2040000144	6/04	10		25,744.00	.00	.00	.00	25,744.00	25,744.00	.00	.00	25,744.00	.00	.00
Desc: LOADER SKID 2004														
2040000145	12/02	5		50,628.00	.00	.00	.00	50,628.00	50,628.00	.00	.00	50,628.00	.00	.00
Desc: BACKHOE 461D 2001														
2040000232	4/10	10		82,128.00	.00	.00	.00	82,128.00	82,128.00	.00	.00	82,128.00	.00	.00
Desc: BACKHOE CASE 580 SM														
2040000234	6/10	10		18,262.52	.00	.00	.00	18,262.52	16,588.59	1,673.93	.00	18,262.52	.00	.00
Desc: 2010 JOHN DEERE 5055E TRACTOR														
2040000238	6/10	10		17,854.00	.00	.00	.00	17,854.00	17,854.00	1,636.82	.00	17,854.00	.00	.00
Desc: CATERPILLAR HYDRAULIC HAMMER														
2040000331	11/10	10		140,007.00	.00	.00	.00	140,007.00	121,339.68	14,000.70	.00	135,340.38	.00	4,666.62
Desc: DIRECTIONAL DRILL 24X40 SER II														
2040000334	1/06	10		12,510.26	.00	.00	.00	12,510.26	12,510.26	.00	.00	12,510.26	.00	.00
Desc: CENTRAL TERMINAL UNIT														
2040000400	5/12	10		64,589.00	.00	.00	.00	64,589.00	46,288.72	6,458.90	.00	52,747.62	.00	11,841.38
Desc: TRENCHER-RUBBER TIRES 2000														
2040000494	5/14	10		49,000.00	.00	.00	.00	49,000.00	25,316.62	4,900.00	.00	30,216.62	.00	18,783.38
Desc: 2013 VAC UNIT WITH TRAILER														
2040001357	6/07	10		180,256.00	.00	.00	.00	180,256.00	180,256.00	.00	.00	180,256.00	.00	.00
Desc: EXCAVATOR HYDRAULIC KOMATSU														
2040001370	8/01	5		5,356.00	.00	.00	.00	5,356.00	5,356.00	.00	.00	5,356.00	.00	.00
Desc: MOWER SCAG TIGER ZERO 2001														
2040001371	6/04	10		6,951.00	.00	.00	.00	6,951.00	6,951.00	.00	.00	6,951.00	.00	.00
Desc: RAKE POWER 2004 HARLEY 90														
2040001372	12/91	5		9,150.00	.00	.00	.00	9,150.00	9,150.00	.00	.00	9,150.00	.00	.00
Desc: AIR COMPRESSOR DIESEL SULLAIR														
2040001374	9/90	3		7,940.00	.00	.00	.00	7,940.00	7,940.00	.00	.00	7,940.00	.00	.00
Desc: TRUCK 1979 CHEVROLET DUMP														
2040001375	1/06	10		7,875.00	.00	.00	.00	7,875.00	7,875.00	.00	.00	7,875.00	.00	.00
Desc: TRAILER DUAL TANDEM 2007														

ASSET KEY	INSTRV	DATE	LIFE	BEGINNING BALANCE	ADDITIONS	DISPOSALS	SALVAGE VALUE	BASIS	ACCUM DEPR	BEGINNING	ACCUMULATED DEPRECIATION	DISPOSED	ACCUM DEPR	CURRENT VALUE
				(+	-	=	-((+)	-	=	()
				-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Class Code: 58190005 (Continue)														
2040001485	Desc: RADIO 2-WAY TRAIL BLAZER	6/05	10	553.50	.00	.00	.00	553.50	553.50	553.50	.00	.00	553.50	.00
2040001486	Desc: PUMP PORTABLE GAS POWERED	6/05	10	2,165.00	.00	.00	.00	2,165.00	2,165.00	2,165.00	.00	.00	2,165.00	.00
2040001487	Desc: LEAK DETECTOR	8/07	10	30,500.00	.00	.00	.00	30,500.00	30,500.00	30,500.00	.00	.00	30,500.00	.00
2040001489	Desc: TRUCK INT'L LUBE& FUEL 1999	1/08	10	14,067.50	.00	.00	.00	14,067.50	14,067.50	14,067.50	.00	.00	14,067.50	.00
204000150C	Desc: VERONA CANEY TELEMETRY PUMP ST	1/08	10	14,067.50	.00	.00	.00	14,067.50	14,067.50	14,067.50	.00	.00	14,067.50	.00
2040001533	Desc: TELEMETRY SANCTIFIED HILL	4/08	10	16,000.00	.00	.00	.00	16,000.00	16,000.00	16,000.00	.00	.00	16,000.00	.00
2040001534	Desc: BACKHOE CASE 1996	6/08	10	15,124.50	.00	.00	.00	15,124.50	15,124.50	15,124.50	.00	.00	15,124.50	.00
2040001546	Desc: TELEMETRY FISHING FORD PUMP ST	8/08	10	68,309.00	.00	.00	.00	68,309.00	68,309.00	68,309.00	.00	.00	68,309.00	.00
2040001592	Desc: TRUCK DUMP 2008 7400 INT'L	8/08	10	27,500.00	.00	.00	.00	27,500.00	27,500.00	27,500.00	.00	.00	27,500.00	.00
2040001593	Desc: SKID LOADER 5640E TURBO 2008	1/06	10	13,761.00	.00	.00	.00	13,761.00	13,761.00	13,761.00	.00	.00	13,761.00	.00
204000175C	Desc: TELEMETRY SPRING PLACE PUMPSTA	1/06	10	9,590.00	.00	.00	.00	9,590.00	9,590.00	9,590.00	.00	.00	9,590.00	.00
204000175E	Desc: TELEMETRY TANK SPRING PLACE	6/08	10	14,056.00	.00	.00	.00	14,056.00	14,056.00	14,056.00	.00	.00	14,056.00	.00
204000183B	Desc: TELEMETRY TANK WALNUT HILLS	1/06	10	18,765.38	.00	.00	.00	18,765.38	18,765.38	18,765.38	.00	.00	18,765.38	.00
204000200A	Desc: TELEMETRY OLD HWY 99 PUMPSTA	7/05	10	18,765.38	.00	.00	.00	18,765.38	18,765.38	18,765.38	.00	.00	18,765.38	.00
204000200B	Desc: TELEMETRY TANK HOLTS CORNER	1/06	10	13,761.00	.00	.00	.00	13,761.00	13,761.00	13,761.00	.00	.00	13,761.00	.00
204000201A	Desc: TELEMETRY ED WATSON RD PUMPSTA	0	5,000.00	5,000.00	.00	.00	.00	5,000.00	5,000.00	5,000.00	.00	.00	5,000.00	.00
2040001373A	Desc: TRAILER 1999 20 TON DOZER	6/08	10	15,142.50	.00	.00	.00	15,142.50	15,142.50	15,142.50	.00	.00	15,142.50	.00
2040001546A	Desc: TELEMETRY TANK FISHING FORD	Totals for Class Code: 58190005												
				1,834,533.20	13,296.00	.00	.00	1,821,237.20	1,758,727.47	35,514.35	13,296.00	1,780,945.82	40,291.38	

The exceptions displayed below are the result of differences found during the comparison of this report to completed historical value report CURRENT VALUE SUMMARY, created for fiscal year 2017-2018, on 07/13/2018 at 1:26 PM.
Exceptions found when individual records were compared:

Asset Key: 2040000009 Type: **CHANGE** The following Asset information changed compared to the prev
Beginning Accumulated Depreciation
Ending Accumulated Depreciation
Current Value

Asset Key: 204000009A Type: **CHANGE** The following Asset information changed compared to the prev
Beginning Accumulated Depreciation
Ending Accumulated Depreciation
Current Value

Asset Key: 204000009B Type: **CHANGE** The following Asset information changed compared to the prev
Beginning Accumulated Depreciation
Ending Accumulated Depreciation
Current Value

Asset Key: 2040000133 Type: **CHANGE** The following Asset information changed compared to the prev
Disposals
Basis
Ending Accumulated Depreciation
Disposed Depreciation

Asset Key: 2040000134 Type: **CHANGE** The following Asset information changed compared to the prev
Disposals
Basis
Ending Accumulated Depreciation
Disposed Depreciation

Asset Key: 2040000135 Type: **CHANGE** The following Asset information changed compared to the prev
Disposals
Basis
Ending Accumulated Depreciation
Disposed Depreciation

Asset Key: 2040000140 Type: **CHANGE** The following Asset information changed compared to the prev
Disposals
Basis
Ending Accumulated Depreciation
Disposed Depreciation

Asset Key: 2040000151 Type: **CHANGE** The following Asset information changed compared to the prev
Beginning Accumulated Depreciation
Ending Accumulated Depreciation
Current Value

Beginning Accumulated Depreciation
Ending Accumulated Depreciation
Current Value

Asset Key: 2040000163 Type: **CHANGE** The following Asset information changed compared to the prev
Beginning Accumulated Depreciation
Ending Accumulated Depreciation
Current Value

Asset Key: 2040000164 Type: **CHANGE** The following Asset information changed compared to the prev
Beginning Accumulated Depreciation
Ending Accumulated Depreciation
Current Value

Asset Key: 2040000165 Type: **CHANGE** The following Asset information changed compared to the prev
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Ending Accumulated Depreciation
Current Value

Asset Key: 2040000166 Type: **CHANGE** The following Asset information changed compared to the prev
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Current Value

Asset Key: 2040000167 Type: **CHANGE** The following Asset information changed compared to the prev
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Current Value

Asset Key: 2040000168 Type: **CHANGE** The following Asset information changed compared to the prev
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Current Value

Asset Key: 2040000169 Type: **CHANGE** The following Asset information changed compared to the prev
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Ending Accumulated Depreciation
Current Value

Asset Key: 2040000170 Type: **CHANGE** The following Asset information changed compared to the prev
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Ending Accumulated Depreciation
Current Value

Asset Key: 2040000171 Type: **CHANGE** The following Asset information changed compared to the prev
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Ending Accumulated Depreciation
Current Value

Asset Key: 2040000172 Type: **CHANGE** The following Asset information changed compared to the prev
Beginning Accumulated Depreciation
Ending Accumulated Depreciation
Current Value

Asset Key: 2040000185	Type: CHANGE	Current Value The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040000186	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040000187	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040000191	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040000192	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040000193	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040000194	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040000200	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040000201	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040000232	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Depreciation

Asset Key: 2040000416	Type: CHANGE	Ending Accumulated Depreciation Current Value The following Asset information changed compared to the prev Disposals Basis Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Depreciation Disposed Depreciation
Asset Key: 2040000419	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Current Depreciation
Asset Key: 2040000420	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040000422	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040000470	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040000482	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040000489	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Depreciation Current Value
Asset Key: 2040000490	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Depreciation Current Value
Asset Key: 2040000494	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value

Asset Key: 2040001365	Type: CHANGE	Ending Accumulated Depreciation Current Value The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040001366	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040001367	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040001368	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040001370	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040001374	Type: CHANGE	The following Asset information changed compared to the prev Disposals Basis Ending Accumulated Depreciation Disposed Depreciation
Asset Key: 2040001407	Type: CHANGE	The following Asset information changed compared to the prev Disposals Basis Ending Accumulated Depreciation Disposed Depreciation
Asset Key: 2040001489	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040001491	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Current Depreciation
Asset Key: 2040001493	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value

Asset Key: 204000154A	Type: CHANGE	Current Value The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040001550	Type: CHANGE	Current Value The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040001592	Type: CHANGE	Current Value The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Depreciation Current Value
Asset Key: 2040001593	Type: CHANGE	Current Value The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Depreciation Current Value
Asset Key: 2040001594	Type: CHANGE	Current Value The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040001597	Type: CHANGE	Current Value The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 204000175A	Type: CHANGE	Current Value The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 204000175B	Type: CHANGE	Current Value The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 204000175D	Type: CHANGE	Current Value The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 204000176A	Type: CHANGE	Current Value The following Asset information changed compared to the prev Beginning Accumulated Depreciation

Asset Key: 2040001912	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040001913	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 2040001914	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 204000192A	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 204000422A	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 204000592A	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 204001546A	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 204001546B	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 204001549A	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 204001549B	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation Ending Accumulated Depreciation Current Value
Asset Key: 204001594A	Type: CHANGE	The following Asset information changed compared to the prev Beginning Accumulated Depreciation

Total Ending Accumulated Depreciation
Total Current Depreciation
Total Disposed Depreciation
Total Current Value

***** End of report *****

CONTRACT AND AGREEMENT

This Contract, made and entered into by and between the **Lewisburg Water and Sewer Board**, City of Lewisburg, Marshall County, Tennessee, of the first part hereinafter referred to as the "CITY", and

The Marshall County Board of Public Utilities, an entity of Marshall County, Tennessee, created by the Marshall County Quarterly Court in October of 1969 pursuant of TCA 5-16-103, with its principal office at Lewisburg, Tennessee, Marshall County, of the second part, hereinafter referred to as the "BOARD".

WITNESSETH:

WHEREAS, the City is the owner and operator of a water system, located in Marshall County, Tennessee, and is engaged in the distribution of water to customers within the Corporate Limits and to certain customers outside the corporate limits of Lewisburg, and

WHEREAS, the Board desires to obtain potable water, and the City is willing to furnish such water, subject to the terms, conditions and limitations hereinafter set forth,

NOW, THEREFORE, the parties hereto, for and in consideration of the promises, and the mutual covenants and agreements herein recited, do hereby agree and bind themselves as follows:

1. The potable water to be furnished hereunder shall be delivered by the City to the Board through meters located at the present end of the City's service lines. Potable water delivered by the "City" shall meet all regulations as required by the Tennessee Department of Environment and Conservation. All potable water furnished by the City hereunder shall be measured by a suitable metering device of standard manufacture, meeting AWWA specifications. Meters will be calibrated and maintained by the City, at its expense. The City, at its expense, shall inspect and test in the presence of a Board representative if it desires, all meters every other year. The Board, at its expense, shall inspect and tests in the presence of a representative of the City, every other year.
2. No meter shall be placed in service or allowed to remain in service which has an error in registration in excess of two (2%) above or below published AWWA standards. In the event the meter is found to be inaccurate, an appropriate adjustment shall be made in the next monthly billing, based upon the actual period of error if such can be definitely determined and agreed upon, and if not, upon a period not to exceed three (3) months. For the purpose of this provision, if the inaccuracy does not exceed two (2%) percent above or below standard, the meter shall be deemed correct. If any meter fails to register for any period, the amount of

8. In the event of major catastrophic events, such as State TDEC limitations on water withdrawal, major system failures not reimbursed by insurance, the requirement for a new plant costing over 2 million dollars, an act of war or terrorism; a renegotiation of this contract will be required. If major changes occur that will bankrupt the "City" water system a renegotiation of this contract will be required.
9. The rate to be paid by the Board is \$2.81 per 1,000 gallons, effective October 1, 2017 through September 30, 2018 and the increase will be reflected on the bill sent out on November 1, 2017. The future rate to be paid by the Board is \$2.98 per 1,000 gallons, effective October 1, 2018 through September 30, 2020 and the increase will be reflected on the bill to be sent out on November 1, 2018.
10. The City shall use reasonable diligence to provide an uninterrupted supply of water to the Board. The City acknowledges that it can provide water at a rate of, up to 868 gallons per minute (1,250,000 GPD) to the Board, but the city makes no guarantee of a minimum daily water quantity. The City shall not be liable for any failures, interruptions or shortages of water, or any loss or damage resulting there from occasioned in whole or in part by any caused beyond the reasonable control of the City. Further, City acknowledges that it can provide water to the Board at the following locations at the rates listed below for a brief period. This shall be sufficient to prove that the meters are free from obstructions and restrictions.

<u>Meter</u>	<u>Maximum Available</u>
31A	400/gpm
Verona Caney	450/gpm
Fishing Ford	125/gpm
Springplace	175/gpm

11. The City shall have the right to temporarily discontinue the flow of water at the point of delivery in order to repair, maintain, improve or replace the main or other portion of the City's water distribution and supply system on which the Board is dependent for its supply. The City will give as much notice as reasonably possible to the "Board" for all planned outages and/or emergency disruptions which may occur in the distribution of water supply.
12. Without the prior written consent of the Parties, neither this contract nor any interest herein, shall be transferred or assigned by the Parties, except to a successor corporation or Board. Subject to the foregoing, this agreement, shall bind and inure to the benefit of the successors and assigns of the parties hereto.

BULK WATER PURCHASE, SALE, AND TRANSPORTATION AGREEMENT

THIS AGREEMENT for the purchase and sale of water is entered into as of the Effective Date listed herein, by and between the CITY OF MURFREESBORO, a Tennessee Municipal Corporation, acting on its own behalf and on behalf of the Murfreesboro Water Resources Department (hereinafter, "City"); CONSOLIDATED UTILITY DISTRICT OF RUTHERFORD COUNTY, a Tennessee Utility District incorporated pursuant to the Utility District Law of 1937, Tenn. Code Ann. Title 7, Chapter 82 (hereinafter, "CUD"); and the MARSHALL COUNTY BOARD OF PUBLIC UTILITIES, a local public agency acting under the authority of Marshall County, Tennessee (hereinafter, "County").

WITNESSETH:

WHEREAS, due to capacity constraints in its system, County has faced significant challenges meeting current demand and has been unable to serve new development within its service area;

WHEREAS, County seeks a secondary source of potable drinking water on an interim basis while County constructs improvements to its drinking water supply system;

WHEREAS, City has capacity within its system to provide County with drinking water in such amounts as will allow County to meet current demands and provide for short-term growth;

WHEREAS, CUD currently has connection points with both the City and County water systems, and CUD is further willing and able to transport City water into the CUD system for the use and benefit of the County; and

WHEREAS, the parties desire to enter into this Agreement for the purposes herein stated and for the mutual benefit of the parties and the citizens thereof,

NOW, THEREFORE, in consideration of the foregoing, the mutual agreements hereinafter set forth, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereby contract and agree as follows:

1. **Term of Agreement.** This Agreement shall be effective upon the date of delivery of water under the terms of this Agreement and shall continue for an initial period of one (1) year. City shall notify CUD and County in writing on the date that water becomes available at the master meter as defined herein, and said notice shall become a part of this Agreement for the purpose of determining the Effective Date. The term of this Agreement shall automatically renew for six (6) additional one (1) year periods, subject to the requirements of subsections 1a. and 1b. below, unless a party shall terminate by providing written notice to all other parties no later than ninety (90) days before the end of the then-current period. In no event shall the term of this Agreement be extended beyond a total of seven (7) years without the express written consent of all parties.
 - a. Requirements for extending the agreement into the fifth year will require County approved drinking water treatment plant plans from the Tennessee Department of Environment and Conservation that affords the County the ability to provide

5. Point of Transfer and Delivery; Pressure.

- a. The point of transfer for the water shall be City’s master meter at the point where City’s water system connects with the system owned and operated by CUD (the “City Meter”) located at the northeast corner of Compton Rd. and Sam Jared Rd., Murfreesboro, TN. The point of delivery shall be County’s master meter at the point where County’s water system connects with the CUD system (the “County Meter”) located at Latitude/Longitude coordinates: 35.68976636 / -86.64982399. Water pressure at the points of transfer and delivery shall be sufficient to allow the water to enter the CUD and County systems, respectively. City makes no representation or warranty regarding the pressure or flow of water past the point of transfer. CUD makes no representation or warranty regarding the pressure or flow of water past the point of delivery.
- b. CUD represents that, in order to provide sufficient pressure to the point of delivery at the County Meter, CUD must make certain upgrades to CUD’s Eagleville Pump Station, including (without limitation) the installation of a twenty (20) horsepower motor, variable frequency drive, and pump impeller. CUD shall provide the internal labor required to perform said upgrades at no cost to County or City. County shall reimburse CUD for all other costs and expenses associated with said upgrades, including (without limitation) the primary equipment; ancillary parts, equipment, materials, and supplies associated with the upgrade; and the costs and/or expenses of any independent contractors necessary for completion of the upgrades.

6. Metering.

- a. *Operation.* City shall operate and maintain at its own expense at the City Meter all necessary metering equipment, pumping station, radio control monitoring equipment and the required devices of standard type for properly measuring the quantity of water transferred to the CUD system. County shall operate and maintain at its own expense at the County Meter all necessary metering equipment, pumping station, radio control monitoring equipment and the required devices of standard type for properly measuring the quantity of water delivered from the CUD system.
- b. *Calibration.* At least once every twelve (12) months, after reasonable notice to the parties of the date and time, City shall test and calibrate the City Meter at City’s expense, and County shall test and calibrate the County Meter at County’s expense. A meter registering not more than two percent (2%) above or below the actual flow shall be deemed to be accurate. In the event that a party requests in writing that the City Meter or County Meter be further calibrated, City or County, as the case may be, shall do so in the presence of a representative of each party, and the parties shall jointly observe any adjustments which are made to the meters in case any adjustment shall be necessary. If a meter is found to be within an accuracy of two percent (2%), the requesting party shall bear the cost of the additional calibration

charge, which assessment shall be added to the amount of the bill and compounded for each month that the bill remains unpaid. Payments, including any partial payments, shall be first applied to past due bills before being applied to a current bill. Acceptance by City or CUD of any partial payments shall not constitute an accord and satisfaction, and all bills, late assessments, and other charges shall remain due and payable.

10. Default.

- a. Except as otherwise provided herein, if County fails to pay for the supply or transportation of water as set forth in this Agreement, or if County should breach the terms of this Agreement in any other manner, then, in addition to all of City's and/or CUD's other remedies at law or in equity, City and/or CUD may at its sole option shut off the City Meter or County Meter, as the case may be, and either terminate this Agreement or suspend delivery until County shall remedy all breaches/defaults and pay in full all bills, assessments, and other charges accrued, both under the terms of this Agreement and incurred as a result of said breach/default. In the event either meter is shut off, City and CUD shall each read the City Meter and County Meter, respectively, and City shall resupply to CUD the amount of water which until the time of shutoff had already been supplied to County.
- b. In the event City should shut off the City Meter or otherwise restrict the flow of water at the City Meter for any reason, then CUD shall have no responsibility to supplement or otherwise provide additional water to County (except to the extent of any restricted flow coming from the City), and CUD shall not be considered in default by reason of the City's shut-off or restriction.
- c. Except as otherwise provided herein, if City or CUD materially breaches the terms of this Agreement, then, in addition to all of County's other remedies at law or in equity, County may immediately terminate this Agreement.

11. Financial Responsibility.

- a. City shall be responsible for all of City's system and infrastructure up to and including the City Meter. City shall, at City's expense, provide for all operation and maintenance of City's system.
- b. CUD shall be responsible for all of CUD's system and infrastructure up to *but not including* the City Meter and County Meter. CUD shall, at CUD's expense, provide for all operation and maintenance of CUD's system.
- c. County shall be responsible for all of County's system and infrastructure up to and including the County Meter. County shall, at County's expense, provide for all operation and maintenance of County's system.

16. **Contingencies.** This Agreement is made expressly contingent upon the approval of the following:

- a. The Murfreesboro Water Resources Board;
- b. The Murfreesboro City Council;
- c. The Marshall County Board of Public Utilities;
- d. The Marshall County Board of Commissioners; and
- e. The Consolidated Utility District of Rutherford County.

Upon approval by each body listed herein, a copy of the resolution, ordinance, meeting minutes, or other official documentation memorializing such approval shall be appended to this Agreement and shall become a part hereof.

17. **Governing Law and Venue.** The validity, construction, and effect of this Agreement and any and all extensions or modifications thereof are governed by the laws of the state of Tennessee. Any action between the parties arising from this Agreement may only be filed in the courts of Rutherford County, Tennessee.

18. **Severability.** Should any provision of this Agreement be declared to be invalid by any court of competent jurisdiction, such provision will be severed and not affect the validity of the remaining provisions of this Agreement.

19. **Waiver.** No waiver of any provision of this Agreement affects the right of any party thereafter to enforce such provision or to exercise any right or remedy available to it in the event of any other default.

20. **Modification.** This Agreement may be modified only by written amendment executed by all parties and their signatories hereto.

21. **Succession.** The provisions of this Agreement inure to the benefit of and are binding upon the respective successors and assignees of the parties hereto.

22. **Integration.** Except as otherwise provided herein, this Agreement sets forth the entire agreement between the parties with respect to the subject matter hereof and governs the respective duties and obligations of the parties.

23. **Effective Date.** This Agreement is not binding upon the parties until signed by each of the authorized representatives of City, CUD, and County and is thereafter effective as of the date set forth above.

[CONTINUED ON NEXT PAGE]

**Marshall County Board of Public Utilities and
Chapel Hill Water System Water Purchase Agreement**

Marshall County Board of Public Utilities (further known as MCBPU) agrees to sale water to the Chapel Hill Water System (further known as CHWS) for future emergencies and short term (1-2 weeks) supply needs through the established connections at Henry Horton State Park South of Town (known as the South In Meter), the meter on Old Hwy 99 West of Town (known as the West In Meter), and the meter on Hwy 31-A North of Town (known as the North In Meter).

MCBPU can provide approximately 4,000,000 gallons per month but not to exceed 100 gpm (gallons per minute) in any combination of the metering points totaling a maximum of 144,000 gallons per day.

At some point it may be necessary for CHWS to do a guaranteed purchase of some minimum gallons per month or year to offset some infrastructure cost to be able to meet the demands.


The current price for wholesale water is \$4.25 per 1,000 gallons but is limited to what we may have to pay for additional water in the future from the neighboring utilities.

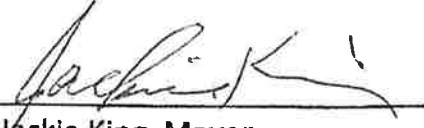
In the event of an emergency we can provide around 125 gpm or 180,000 gallons per day for a very limited time (1-3 days) provided we have all of the Northern tanks maxed out and are able to get 50 gpm from CUD.

2. No meter shall be placed in service or allowed to remain in service which has an error in registration in excess of two (2%) percent above or below (+/-) published AWWA standards. In the event the meter is found to be inaccurate, an appropriate adjustment shall be made in the next monthly billing, based upon the actual period of error if such can be definitively determined and agreed upon, and if not, upon a period not to exceed three (3) months. For the purpose of this provision, if the inaccuracy does not exceed two (2%) percent above or below (+/-) the AWWA standard, the meter shall be deemed correct. If any meter fails to register for any period, the amount of water delivered during such period shall be deemed to be the amount delivered in the corresponding period immediately prior to the failure, unless the City and the Board shall agree upon a different amount.
3. The Board so far as practicable, shall read the aforesaid meter(s) on the first day of each month, and the City shall remit payment in accordance with the Board's published billing policies. In the event the City shall default in the payment for the potable water, the Board shall have the right to discontinue service until the payment of the sum in default shall have been made. The City's Manager will be notified 48 hours prior to actual discontinuance of service.
4. No abatement on metered water bills shall be made by the Board for leaks or for water wasted or lost by the City within its system beyond "City's point of delivery".
5. The Board shall not be liable to furnish, process, install, operate or maintain any equipment, materials, facilities, right of ways or easements necessary to utilize or distribute potable water hereunder beyond the point of delivery to the City specified herein, nor to participate in any way in the distribution of said potable water by the City or required to make any collections from any customers, all of which shall be furnished, procured and performed by the City at its expense.
6. In the event emergencies, including but not necessarily limited to conditions of reduced water supply or failure of pumping and purification facilities, the Board will distribute such water as is available in equitable proportions among all water customers including said City, during any and all such periods of emergencies. Should such emergencies require public water restrictions for whatever the reason, the City will advise their

- 14. The contract may be amended at any time by mutual agreement of the Parties thereto. A meeting shall occur between the Parties six (6) months prior to expiration of this contract to begin negotiations for the next contract to replace this one. In the event the contract is not re-negotiated by the expiration of the contract the last effective rate in effect will continue for no more than ninety (90) days.
- 15. All future connections and upgrades will be provided by the Board, including metering devices and fixtures as required at the Board's current cost. Such cost will be billed to the City for reimbursement.

In Witness Whereof, the Parties hereto have caused this contract to be executed by their duly authorized officers and have affixed their signatures this 14 day of April 2020


 Mickey King, Chairman
 Marshall County Board of Public Utilities


 Jackie King, Mayor
 Town of Chapel Hill

Wtr attachment #22- Non-revenue Water Response

Marshall County Board of Public Utilities does not have a non-revenue water response policy. We find and repair leaks, trying to get better communication from local rural fire departments to report water used at fires, and find theft of water from fire hydrants.

Wtr attachment #23

Marshall County Board of Public Utilities has no environmental concerns that will put a financial burden on the system.

Section B: Waterwater Utility Information

Attachments

MARSHALL COUNTY BOARD OF PUBLIC UTILITIES WATER RATES

Present Water Rates:
Effective June 1, 2018

Table with 2 columns: Gallonage and Rate. Rows include 0-1,000 Gallons (\$20.00), Over 1,000 to 6,999 Gallons (\$8.00 per 1,000 gallons), 7,000 to 12,000 Gallons (\$10.00 per 1,000 gallons), and Over 12,000 Gallons (\$15.00 per 1,000 gallons).

Agricultural / Commercial / Industrial Water Rate

Table with 2 columns: Gallonage and Rate. Rows include 0-1,000 Gallons (\$20.00) and Over 1,000 Gallons (\$10.00 per 1,000 gallons).

Effective September 1, 2018
Board approved 8/21/18

Agricultural Rate is for watering livestock, excludes irrigation of yards or crops

Sewer Rate.....\$40.00 flat monthly fee
Board approved 6/8/17 to start fiscal year 2017-2018

Plus: 9.25% State Sales Tax to be added.

Service Connection (water) Tap Fees:

Table with 2 columns: Tap Size and Fee. Rows include 3/4 inch (\$2,000.00), 1 inch (\$3,000.00), and 2 inch (\$4,000.00). Effective January, 01, 2007.

*Any tap over 1" is at the discretion Marshall Co. Board of Public Utilities.

Note: The cost of upgrade one tap size will be the difference in cost of the respective taps as stated above (i.e. Upgrade from a 3/4 inch tap to a 2 inch tap will be an additional \$2,000.00).

Also added to all new tap fees there will be a \$50.00 service charge which is nonrefundable.

**MARSHALL COUNTY PUBLIC UTILITIES
624 WEST COMMERCE ST
LEWISBURG, TN 37091
(931) 359-6905**

THE MARSHALL COUNTY BOARD OF PUBLIC UTILITIES WATER RATES
EFFECTIVE FEBRUARY 1, 2011 BILLING
THE WATER RATES ARE AS FOLLOWS:

0-1000 GALLONS.....	\$16.00
OVER 1000 TO 24,999 GALLONS.....	\$7.80/THOUSAND
OVER 25,000 GALLONS.....	\$6.00/THOUSAND
Sewer Rate.....	\$35.50 flat monthly fee (BD approved May 23,07)
Sewer Connection Fee.....	\$750.00
	Board approved 4/21/2015

Plus 9.25% State Sales Tax to be added.

Service Connection (water) Tap Fees:

¾ inch-----	\$2,000.00
1 inch-----	\$3,000.00
2 inch-----	\$4,000.00

Effective January 1, 2007

*Any tap over 1" is at the discretion of Marshall Co. Board of Public Utilities.

Note: *The cost of upgrade one tap size will be the difference in cost of the respective taps as stated above (i.e. Upgrade from a ¾ inch tap to a 2 inch tap will be an additional \$2,000.00).*

Also added to all new tap fees there will be a \$50.00 service charge which is nonrefundable.

Fire Protection: Marshall County Board of Public Utilities does not Guarantee Fire Protection at any time, place, or on any part of our water system. The fire hydrants are used to flush the water system and can only be used by fire departments to refill their tanker trucks only. Fire departments are not allowed to hook a hard suction fire line to any fire hydrant and pump water from it using a pumper truck.

In accordance with Federal law and U.S. Department of Agriculture policy, Marshall County Public Utilities is prohibited and therefore does not discriminate on the basis of race, color, national origin, sex, age, or disability. Marshall County Public Utilities is an equal opportunity provider and employer, and will not exclude nor discriminate in the contractual bidding process.

Also added to all new tap fees there will be a \$50.00 service charge which is nonrefundable. with attachment #11
www.attachment-11/

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Other Fees:

Nonrefundable Connection Fee:	\$ 50.00 per connection
Service Call Fee Regular Hours:	\$ 35.00 per call
Service Call Fee After Hours:	\$ 45.00 per call
Meter Replacement:	\$ 60.00 per meter or current cost
Meter Riser Resetter:	\$ 80.00 per reset or current cost
Theft Service:	\$150.00 per event (metered water w/no water service contract)
Returned Check Service Fee:	\$ 30.00 per returned check
Reconnection Fee:	\$ 40.00 per reconnect
Cut Lock Fee:	\$ 50.00 per cut lock+ Tampering Fee or Theft of Service
Tampering Fee (Water Theft):	\$250.00 per occurrence
Late Payment Fee:	10.0% of water service
Meter Box & Lid Change out:	\$ 60.00 per box & lid or current cost
Meter Box Lid Change out:	\$ 25.00 per lid or current cost
Destruction of Property:	Cost of Equipment Replacement + Tampering Fee
Deposit- homeowners/renters:	\$100.00 per connection
Tap Installment Fee:	\$ 10.00 per month (tap on credit)
Credit Card Fee:	\$ Credit Card Company adds fee
Sewer Connection Fee:	\$750.00 per connection
Capacity Fee:	\$ 1,000.00 per tap

Note: All Fees are Subject to Change Without Notice.
(Due to the changing prices of all materials used)

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Tap Installment Fee:	\$ 10.00 per month
Credit Card Fee:	\$ Credit Card Company adds fee
Sewer Connection Fee:	\$750.00 per connection (bd approved 6/8/17)

Note: All Fees are Subject to Change Without Notice.
(Due to the changing prices of all materials used)

- a. The \$750.00 connection fee was implemented to cover expenses for pumps, pumping of the septic tanks, and all other sewer related expenses.

4. c. **Tap fees** are calculated using cost of materials, labor hours, equipment hours, tank maintenance, line maintenance, pump maintenance.

Service Call Fee After Hours set by board to be a reasonable cost for the utility if the technician incurs overtime to assist customer.

Service Call Fee Regular Hours reasonable cost for the utility to send a technician to assist a customer during normal working hours for anything on the customers side of the meter.

Meter Replacement the current cost to replace the meter if the utility replaces a customer's meter due to their negligence such as leaving the meter box open and meter freezing and busting.

Meter Riser Resetter charged to the customer at the current cost if the utility must replace.

Theft of Service metered water w/no water service contract.

Returned Check Service Fee cost charged to customer per returned check.

Reconnection fees set by the board to be a reasonable cost for the technician to reconnect the water after disconnection due to non- payment.

Cut Lock Fee This is charged in addition to the Tampering Fee or Theft of Service

Tampering Fee (Water Theft) is charge per occurrence.

Late Payment Fee shows as the "after due date" amount on bill.

Meter Box & Lid Change out current cost charges if the utility replaces the meter box or lid due to the customers negligence.

Destruction of Property charge to the customer at current cost to replace equipment. The tampering fee will be charged in addition.

Deposit charged for all service connections when application is made with water service contract. This charge stays on customer's account until the account is closed. It is applied to their final bill.

Nonrefundable Connection Fee application fee charged to all customers with water service contract.

Tap Installment Fee is charged when a customer is paying for a tap on credit. The customer pays the initial payment, and the balance of the tap is billed over twelve (12) months plus the tap installment fee.

Credit card Fee is a percentage of a customer's bill that is charge by the credit card company.

Sewer Connection Fee a fee set by the board to cover cost associated with the sewer plants.

Capacity Fee a fee set by the board for to fund the upgrade of infrastructure due to the growth in the county.

MARSHALL COUNTY
TENNESSEE

DEBT MANAGEMENT POLICY

Prepared by:
GUARDIAN ADVISORS, LLC
Adopted by Budget Committee, October 20, 2011
Adopted by Marshall County Commission, October 24, 2011

Marshall County is an equal opportunity employer and provider.

Introduction

Debt Management Policies are written guidelines and restrictions that affect the amount and type of debt issued by a state or local government, the issuance process, and the management of a debt portfolio. A debt management policy improves the quality of decisions, provides justification for the structure of debt issuance, identifies policy goals, and demonstrates a commitment to long-term financial planning, including a multi-year capital plan. Adherence to a debt management policy signals to rating agencies and the capital markets that a government is well managed and should meet its obligations in a timely manner.

Debt levels and their related annual costs are important long-term obligations that must be managed within available resources. An effective debt management policy provides guidelines for a government to manage its debt program in line with those resources.

Since the guidelines contained in the Policy require regular updating in order to maintain relevance and to respond to the changes inherent in the capital markets, the County plans to revisit the Policy from time to time. (see paragraph 16)

5. Credit Quality and Credit Enhancement The County's debt management activities will be conducted in order to receive the highest credit rating(s) possible, consistent with the county's financing objectives. The County Mayor and Director of Accounts and Budgets will be responsible for maintaining relationships and communicating with the rating agencies that assign ratings to the County's debt. The County shall prepare presentations to the rating agencies to assist credit analysts in making an informed decision.

The County Mayor , Director of Accounts and Budgets, and/or Municipal Advisor will provide a credit presentation to the County Commission, explaining any current or recent rating applied for, rating agency views on the County's performance and current items which may adversely or positively affect the County's credit rating.

The County will consider the use of credit enhancement on a case by case basis, evaluating the economic benefit versus cost for each case. Nothing shall prevent the County to apply for Bond Insurance for any issue.

(A) Bond Insurance - The County may purchase bond insurance when such purchase will result in a lower true interest costs taking into account the bond insurance premium for negotiated sales. For competitive sales, the County Mayor or Director of Accounts and Budgets shall determine if Bond Insurance will be applied for, and if available, the purchaser of the bonds will determine whether bond insurance will be used.

The County will solicit quotes for bond insurance from interested providers, or in the case of a competitive sale will either apply for bond insurance, or allow bidders to request insurance. In a negotiated sale the County will select a provider whose bid is cost-effective and whose terms and conditions governing the guarantee are satisfactory to the County. The winning bidder in a competitive sale will determine the provider of bond insurance.

6. Debt Affordability

The ratios and standards identified in Exhibit A are intended to provide guidelines which permit and facilitate long-term access to capital while ensuring that financial leveraging decisions do not negatively impact the County's financial operations. The County shall consider the ability to repay debt as it relates to net debt per capita, net debt to assessed value, and ratio of debt expenditures as a percentage of total expenditures.

7. Bond Structure

The County shall establish all terms and conditions relating to the issuance of bonds, notes and other obligations and will invest proceeds pursuant to the terms of the resolution authorizing the issuance of the debt in compliance with applicable State law and to the extent the issue is tax-exempt with Federal tax laws and regulations governing their issuance. Unless otherwise authorized by the County, the following shall serve as the Policy for determining structure:

- (a) Term - All capital improvements financed through the issuance of debt will be financed for a period not to exceed the useful life of the improvements, and in consideration of the ability of the County to absorb

2. Revenue Bonds - Are supported only with revenues generated from specifically designated sources. Revenue Bonds will be issued for capital projects which can be supported from project or enterprise fund related revenues.

9. Duration

Long-Term Debt (maturing after 3 years)

The County may issue long-term debt where it is deemed that capital improvements should not be financed from current revenues or short-term borrowings. Long-term debt will be structured in such a way that financial obligations do not exceed the expected economic life of the project(s).

(a) BONDS will be only be issued in fixed rate mode for projects with an economic life in excess of three years or greater

(b) NOTES may be issued to for projects with an economic life of three to twelve years

Short-Term Debt (maturing within three years)

Short-Term borrowing may be utilized for the construction period of a long-term project or for the temporary funding of operational cash flow deficits or anticipated revenues (defined as an assured source with the anticipated amount based on conservative estimates) subject to the following policies:

(a) Bond Anticipation Notes (BANS) may be issued instead of capitalizing interest to reduce the debt service during the construction period of a project or facility. BAN's shall be issued according to state and federal law and shall not mature more than two years from the date of issuance.

(b) Revenue Anticipation Notes (RAN'S) & Tax Anticipation Notes (TAN'S) shall be issued only to meet cash flow needs consistent with a finding that the sizing of the issue fully conforms to Federal IRS regulations as well as state requirements and limitations.

(c) Capital Outlay Notes shall be considered to finance projects with a useful life of twelve years or less.

(d) Intrafund Loans shall only be used to fund operational deficiencies among accounts or for capital projects to be paid from fiscal year revenues. Such intrafund loans shall in no event extend beyond (12) months and shall only be issued in compliance with state regulations and limitations.

(e) Other Short-term Debt may be used when it provides an interest rate advantage or as interim financing until market conditions are more favorable to issue debt in a fixed rate mode. The County will determine and utilize the least costly method for short-term borrowing. The County may issue shortterm debt when there is a defined repayment source or amortization of principal.

2. *Negotiated Sale - The County recognizes that some issues are best sold through negotiation when permitted under State law. In its consideration of a negotiated sale, the County shall assess the following circumstances:*
 - *Timing the sale.*
 - *A structure which may require a strong pre-marketing effort for a complex transaction.*
 - *Size of the issue which may limit potential bidders.*
 - *Market volatility is such that the County would be better served by flexibility in timing a sale.*
 - *If the issue is a variable rate demand obligation (if allowed).*
 - *Whether an idea or financing structure is a proprietary product of a single firm.*
3. *Private Placement – From time to time the County may elect to privately place its debt. Such placement shall only be considered if this method is demonstrated to result in a costs savings to the County relative to other methods of debt issuance.*

13. *Underwriter Selection (Negotiated Sale)*

The County Mayor or Director of Accounts and Budgets, in consultation with the Municipal Advisor, shall evaluate each refunding opportunity and select an underwriter/lender which will meet the objectives in the plan of refunding. The Director of Accounts and Budgets shall provide a report to the Board of County Commissioners after each sale.

The County Mayor, Director of Accounts and Budgets, and/or Budget Committee, in consultation with the Municipal Advisor, shall select a senior manager for a proposed negotiated sale. The selection criteria shall include but not be limited to the following:

- *Ability and experience of the firm in managing similar transactions. □ Prior knowledge and experience with the County.*
- *The firms willingness to risk capital and demonstration of such risk □ Quality and experience of personnel assigned to the County's engagement. □ Financing ideas presented.*
- *Underwriting fees.*

The underwriter must clearly identify itself to the County in writing (e.g., in a response to a request for proposals or in promotional materials provided to the County) as an underwriter and not as a financial or municipal advisor from the earliest stages of its relationship with the County with respect to that issue. The underwriter must clarify its primary role as a purchaser of securities in an arm's-length commercial transaction and that it has financial and other interests that differ from those of the County. The underwriter in a publicly offered, negotiated sale shall be required to provide pricing information both as to interest rates and to takedown per maturity to the Director of Accounts and Budgets in advance of the pricing of the debt.

14. *Municipal Advisor*

In lieu of the County Mayor, Director of Accounts and Budgets, and/or Budget Committee being primarily responsible for debt management and issuance, the County may select a Municipal Advisor (Advisor) to assist in its debt issuance and debt administration

16. Debt Policy Review

The Debt Policy guidelines outlined herein are only intended to provide general direction regarding the future use and execution of debt. The County maintains the right to modify these guidelines and may make exceptions to any of them at any time to the extent that the execution of such debt achieves the County's goals.

This Policy will be reviewed no less frequently than annually. At that time the County Commission will consider any recommendations for any amendments, deletions, additions, improvements, or clarification.

17. Disclosure of Costs

The County requires all professionals engaged to assist in the process of issuing debt to clearly disclose all compensation and consideration received related to services provided in the debt issuance process by the County in a timely manner. This includes "soft" costs or compensations in lieu of direct payments.

18. Potential Conflicts of Interest

Professionals involved in a debt transaction hired or compensated by the County shall be required to disclose existing client and business relationships between and among the professionals to a transaction (including but not limited to financial advisor, swap advisor, bond counsel, swap counsel, trustee, paying agent, underwriter, counterparty, and remarketing agent), as well as conduit issuers, sponsoring organizations and program administrators. This disclosure shall include that information reasonably sufficient to allow the County to appreciate the significance of the relationships. Professionals who become involved in the debt transaction as a result of a bid submitted in a widely and publicly advertised competitive sale conducted using an industry standard, electronic bidding platform are not subject to this disclosure. No disclosure is required that would violate any rule or regulation of professional conduct.

19. Transparency

The County shall comply with the Tennessee Open Meetings Act, providing adequate public notice of meetings. Additionally, in the interest of transparency, all costs (including interest, issuance, continuing, and one-time) shall be disclosed to the citizens in a timely manner. An estimate of the costs described above will be presented to the County Commission along with any resolution authorizing debt.

Within four weeks of closing on a debt transaction, the debt service schedule and the State Form CT-0253 shall be available at the office of the Director of Accounts and Budgets for review by members of the Governing Body and the public.

20. Debt Administration - Post Sale

A. *The Director of Accounts and Budgets will maintain for review by members of the County Commission and the public a report describing the transaction and setting forth all the costs associated with the transaction.*

B. *The municipal advisor will provide a closing memorandum with written instructions on transfer and flow of funds.*

Ratio of Debt Expenditures to Total Government Expenditures (excludes capital & agency Funds).

- *Ratio should not exceed 8.2%.*
- *The Debt Service Fund balance benchmark shall be at least 13 months of the annual debt service requirements and no less than 85% of annual debt service expenditures.*

with attachment #8
with attachment #8

MARSHALL COUNTY, TENNESSEE
Capital Assets Policies and Procedures
ADOPTED JUNE 23, 2016 BY MCBC RETRO ACTIVE FOR FY15-16
Updated approved June 22, 2017 effective for FY 16-17

MCBC adopted July 18, 2017 Bd mtg minutes attached

The purpose of this policy is to provide guidelines for the departments of Marshall County regarding capital asset reporting in the financial statements in accordance with Governmental Accounting Standards Board (GASB) Statement No. 34, *Basic Financial Statement and Management's Discussion and Analysis for State and Local Governments* and establishes management control and continuing accountability for all capital assets, over capitalization thresholds, acquired by county departments.

Capitalization of capital assets includes land, buildings and improvements, roads and bridges, machinery and equipment, and construction in progress. The asset amounts represented in the county's financial statements should be documented by an inventory listing supported with detailed records for the historical or estimated historical cost of each asset.

ADMINISTRATIVE POLICIES

A. Fiscal Responsibility.

1. County Commission:

- a. Determine and approve policies for capital asset management.
- b. Review findings and recommendations related to internal audits conducted by inventory control personnel or external audits conducted by the State/IPA firm and
- c. Ensure any identified deficiencies or non-compliance with policies are addressed and corrected.

2. Capital Asset Management:

The office of Capital Asset Management is under the direction of the Director of Accounts & Budgets office, which provides for fiscal procedure. Director of Accounts & Budgets operates with respect to the responsibilities of the Director of Accounts & Budgets as fiscal agent of the county; and the County Highway Department. A full cooperative effort of all parties allows the Director of Accounts & Budgets Department to maintain records in accordance with adopted capital asset policies. Areas of responsibility are outlined below:

- a. Maintain a computer database inventory of all county-owned assets that exceed capitalization thresholds assets. Copies of documentation for the actual historical or estimated historical cost of each capitalized asset will be maintained in a separate file as long as each individual asset is actively on the books.
- b. Works with county officials and other departments to identify newly purchased or donated assets. Tags all assets over capitalization thresholds and inputs all relative information into the inventory control computer system.
- c. Removes asset tags upon retirement of assets from computer records upon proper notification by appropriate departments.
- d. Receives copy of and reviews annual inventory of all departments to determine that capitalized assets are being properly accounted for.
- e. Randomly audits annual inventory listings of county departments to insure that departments are complying with adopted capital asset policies.
- f. Reports to Director of Accounts & Budgets all instances of non-compliance with capital asset policies and procedures.
- g. Updates inventory of capital assets tracked on capital asset software and generates all reports needed to prepare external financial statements.
- h. Works with management and external auditors on all issues concerning capital asset reporting in order to comply with GASB Statement 34.

Recording Land – Land will be capitalized but not depreciated. It is recorded at historical or estimated historical cost and remains at that cost until disposal.

1. Recording Land Improvements –
 - a. Non-Exhaustible – Expenditures for improvements that do not require maintenance or replacement are capitalized but not depreciated.
 - b. Exhaustible – Other improvements that are part of a site, such as parking lots, landscaping and fencing, are depreciable. During initial implementation of GASB Statement 34, these improvements will be recorded separately to the extent that cost documentation is available.
2. Recording Buildings – Buildings will be recorded at either their acquisition cost or construction cost. Each building component (e.g., roof, HVAC systems, etc.) should be recorded separately when significant because of the difference in the useful life of these components.
3. Recording Building Improvements – Building improvements which extend the useful life of a building and meet the capitalization threshold will be capitalized. During initial implementation of GASB Statement 34, these improvements will be recorded separately to the extent that cost documentation is available.
4. Recording Construction in Progress – Construction in progress will be capitalized and not depreciated.
5. Recording Vehicles – Vehicles will be identified by asset tags, inventoried and depreciated.
6. Recording Furniture and Equipment – Assets such as furniture, machinery and equipment should be identified and inventoried. If they meet the threshold levels, they will be capitalized and depreciated.
7. Interest on debt issued-interest on debt issued for the construction of an asset will be capitalized as part of the asset's cost to the extent of the interest that was incurred during the construction period only.

C. Costs:

Capital assets shall be recorded at historical cost if the cost is reasonably determinable. If historical cost data is not determinable, an estimated cost will be used.

1. Actual Cost – this will include not only the purchase or construction cost (which can be obtained through invoice, purchase order and paid check files) but also charges necessary to place the asset in its intended location. This includes costs such as freight and transportation, site preparation expenditures, interest costs, professional fees and legal claims directly attributable to asset acquisition.
2. Estimated Cost – this will be based on as much documentary evidence that can be found to support the cost, such as interviews with personnel and/or price level adjustments based on the Consumer Price Index for each asset.
3. Donated Cost – these assets will be based on their estimated fair market value at time of acquisition. A determination as to the fair market value basis will be included with property records.

H. Infrastructure

GASB Statement 34 requires counties to capitalize and report county-owned infrastructure at historical or estimated historical cost. The GASB defines infrastructure as long-lived capital assets associated with governmental activities that normally are stationary in nature and can be preserved for a significantly greater number of years than most capital assets. The county will initially capitalize its infrastructure by the following method:

1. County-Owned Roads:

Marshall County will retroactively report roads at actual or estimated historical cost back to:

- July 1, 1980 or,
- The last time the road was upgraded (gravel to oil-and-chip, etc.) or,
- The last time the road was replaced or resurfaced in a way that it extended the original useful life of the road (i.e. not considered routine maintenance).

2. Bridges

- July 1, 1980 or,
- The last time the bridge was upgraded (wood to concrete, etc.), if this date was after July 1, 1980.

Capitalization Thresholds

A. Capitalization and Depreciation:

The following items will be capitalized and depreciated for GASB Statement 34 reporting purposes:

1.	Land	\$	1	(Capitalize Only)
2.	Land Improvements	\$	25,000	
3.	Buildings	\$	25,000	
4.	Building Improvements	\$	25,000	
5.	Roads and Bridges	\$	25,000	
6.	Vehicles	\$	25,000	
7.	Machinery and Equipment *	\$	25,000	
8.	Furniture and Fixtures *	\$	25,000	
9.	Construction in Progress	\$	1	(Capitalize Only)

**MARSHALL COUNTY, TENNESSEE
PERSONAL PROPERTY ACQUISITION/DISPOSITION RECORD**

LOCATION _____ TAG # _____

ACCOUNT CODE _____

ITEM DESCRIPTION _____

VENDOR _____

MAKE/MODEL _____ SERIAL # _____

PURCHASE PRICE \$ _____ OR APPRAISED VALUE \$ _____

ACQUISITION

DATE RECEIVED _____ PURCHASE ORDER # _____

RECEIVED BY _____ CONDITION CODE _____

TRANSFERRED FROM _____ STATUS CODE _____
STATUS CODE-(U=IN USE; R=HELD IN RESERVE; S=IN STORAGE)

DONATED BY _____

DISPOSITION

_____ TRANSFER _____ STOLEN/LOST _____ SURPLUS _____ SCRAP

OTHER _____

TRANSFERRED TO _____

I certify the above described equipment has been transferred, stolen/lost, declared surplus, scrapped, or disposed of by other means as indicated above. If the item was declared surplus, it is available for use by other County Offices or can be sold in the prescribed manner as surplus. If stolen, a stolen property report has been **filed with the Police/Sheriff Department.**

SIGNATURE DEPT HEAD DATE

**MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS
MARSHALL COUNTY BOARD OF PUBLIC UTILITIES
JULY 18, 2017**

"THIS INSTITUTION IS AN EQUAL OPPORTUNITY PROVIDER AND EMPLOYER"

THE BOARD OF DIRECTORS OF THE MARSHALL COUNTY BOARD OF PUBLIC UTILITIES HELD THEIR REGULAR MONTHLY MEETING ON JULY 18, 2017 AT 9:00 A.M., IN THE DOUG ROGERS BOARD ROOM AT 624 WEST COMMERCE ST. THE FOLLOWING MEMBERS WERE PRESENT: **CHAIRMAN MICKEY KING, VICE CHAIRMAN RAY WAKEFIELD, TONY BEYER, AND DANNY MORGAN. ABSENT: MATT COLLINS**

STAFF IN ATTENDANCE: TOMMY WHALEY, SUPERINTENDENT; TONY BOLTON, ASSISTANT SUPERINTENDENT; CECILIA SPIVY, ATTORNEY; STACEY SHARPE, PROJECT COORDINATOR; GAYLE MILLER, SECRETARY. ABSENT: BOB RAMSEY, ENGINEER

OTHERS: COUNTY MAYOR JOE LIGGETT, CONNIE BOBO, PAULA HERGRET

WITH A QUORUM PRESENT, CHAIRMAN KING PRESIDED, CALLED THE MEETING TO ORDER AND WELCOMED VISITORS.

CONNIE BOBO ADDRESSED THE BOARD ABOUT HER PROPERTY AT 4839 ADGENT ROAD. THERE WERE TWO (2) TAPS INSTALLED FOR NANCY ADGENT WHEN THE WATER LINE WAS INSTALLED. MS. ADGENT WAS ONLY USING ONE (1) METER AT THE TIME AND MS. BOBO HOOKED ON TO HER SECOND METER. MS. ADGENT HAS LISTED THE PROPERTY. WHEN IT SELLS, BOTH METERS THAT MS. ADGENT OWNS WILL GO WITH THE PROPERTY. MS. BOBO IS ASKING THE BOARD TO SET HER A TAP IN FRONT OF HER HOUSE. TOMMY INFORMED THE BOARD THAT THE LINE IS A ONE (1) INCH COPPER SERVICE LINE RAN TO SERVE THE TWO (2) METERS THAT MS. ADGENT OWNS. IF THE TAP IS SET FOR MS. BOBO AND ALL THREE (3) TAPS ARE ACTIVE THERE WILL BE PRESSURE DIFFERENTIALS. TOMMY SAID IT WOULD NOT BE ADVISABLE. HOWEVER, MS. BOBO IS WILLING TO DO AN AGREEMENT. MS. BOBO HAS SENT HER AGREEMENT TO CECILIA STATING THAT IF THE SECOND TAP OF MS. ADGENT BECOMES AN ACTIVE SERVICE SHE WILL RELOCATE HER TAP AT THAT TIME TO THE MAIN ROAD, WHICH IS WILSON SCHOOL ROAD. CECILIA AGREED WITH TOMMY. SHE WILL HAVE TO HAVE SOMETHING IN WRITING THAT LAYS OUT THE PARAMETERS. **TONY BEYER MADE THE MOTION TO APPROVE THIS REQUEST SUBJECT TO CECILIA BEING COMFORTABLE WITH THE WRITTEN DOCUMENT THAT PROTECTS BOTH SIDES.** DISCUSSION- CECILIA RECOMMENDED THAT SHE WRITE THE DOCUMENT. **RAY SECONDED THE MOTION.** DISCUSSION- TOMMY RECOMMENDED THE AGREEMENT BE ATTACHED TO THE DEED. **HEARING NO FURTHER DISCUSSION, CHAIRMAN KING CALLED FOR A VOTE. VOICES VOTE- ALL AYES. MOTION CARRIES.**

TAP HAD BEEN SET. SHE SAYS NOW THERE IS AN "X" WHERE THEY WILL MOVE THE METER. SHE WAS WILLING TO ACCEPT THE NEW "X", BUT THE NEW "X" "THEY, MCBPU, ARE WILLING TO GO UNDER THE LINE, THEN WHY CAN'T MCBPU GO UNDER THE LINE AND BRING IT TO MY CORNERSTONE?" FROM THE TAP TO HER HOUSE IS THREE HUNDRED (300) PLUS FEET. FROM THE NEW "X" TO HER CORNERSTONE IS THIRTY-FIVE (35) MORE FEET. WHY SHOULD SHE BE LIABLE FOR AN ADDITIONAL THIRTY-FIVE (35) FEET? SHE SAID THAT MCBPU HAS DUG UP THE ROAD FOR OTHER CUSTOMERS. CHAIRMAN KING INFORMED MS. HERGRET THAT WE HAVE DUG UP THE ROAD IN THE PAST, BUT IN THE LAST TWO (2) OR THREE (3) YEARS JERRY WILLIAMS, MARSHALL COUNTY ROAD SUPERINTENDENT, HAS BEEN STOPPING US FROM DIGGING UP THE ROAD. IF WE TEAR UP THE ROAD, WE HAVE TO PAVE THE WHOLE ROAD NOT JUST THE PART WE TORE UP. TOMMY INFORMED THE BOARD THAT DR. SWANSON'S LINE WAS PUT IN ON THE CDBG PROJECT. SHE COULD HAVE HAD HER TAP INSTALLED ON THE PROJECT, BUT HER MARITAL STATUS CHANGED AND SHE WOULD HAVE TO PAY ONE THOUSAND SIX HUNDRED NINETY DOLLARS (\$1,690.00) FOR HER TAP INSTEAD OF NINETY DOLLARS (\$90.00). TOMMY SAID, HAD IT BEEN PUT IN ON THE PROJECT, THE CONTRACTOR WOULD HAVE TAKEN ALL OF THE PROVISIONS TO DIG UP THE LINE, CROSSED IN THE MIDDLE OF THE ROAD, AND SET HER TAP. THE CONTRACTOR WOULD HAVE TO REPAVE THE ROAD AT THE END OF THE PROJECT. MS. HERGRET ASKED THE BOARD "WHAT WILL IT TAKE TO GET MY METER ON MY PROPERTY", ITS THIRTY-FIVE (35) FEET. CECILIA EXPLAINED THAT IT IS SOMETHING THAT WE DON'T DO FOR ANY OTHER CUSTOMER. SHE SAID WE WOULD BE DOING SOMETHING FOR YOU THAT WE DON'T DO FOR ANYONE ELSE. CHAIRMAN KING ASKED TOMMY IF HE HAS DONE THE BEST THAT WE CAN DO. TOMMY SAID IN ALL FAIRNESS TO EVERYONE ELSE AND NOT DO ANYTHING FOR HER THAT WE WON'T DO FOR ANYONE ELSE. HE SAID THE COMMENT WAS MADE THAT WE ARE SINGLING HER OUT. IF WE DO THIS FOR HER WE ARE SINGLING HER OUT. WE ARE GIVING HER SOMETHING WE GIVE NO ONE ELSE. CHAIRMAN KING TOLD MS. HERGRET THAT MCBPU HAS DONE EVERYTHING WE CAN DO TO GET IT AS CLOSE TO HER PROPERTY AS WE CAN.

SUPERINTENDENT:

- COOSIE BRANCH PROJECT- THE FIRST WEEK OF JULY WE HAD VACATIONS. DAGO IS BACK WORKING ON THE PROJECT AND HE IS HAVING A DIFFICULT TIME CUTTING THROUGH THE ROCK.
- LEWISBURG WATER CONTRACT- ITEM #8 TRIGG CATHEY, LEWISBURG WATER AND WASTEWATER SUPERINTENDENT, HAS ADDED TO THE CONTRACT. TOMMY CALLED HIM AND TALKED TO HIM. IT REFERS TO A MAJOR SYSTEM FAILURE. TOMMY ASKED TRIGG IF THERE IS A MAJOR SYSTEM FAILURE WOULDN'T THE INSURANCE PAY. TOMMY DOES NOT FEEL THAT THIS SHOULD BE IN THE CONTRACT. MR. WAKEFIELD SUGGESTED THAT OUR ATTORNEY REDRAFT WITH OUR CONSIDERATIONS IN IT. TOMMY WAS ASKED IF ANY WHERE IN THE CONTRACT STATES HOW MUCH WATER THEY WILL PROVIDE MCBPU. TOMMY SAID NO, THERE IS NOT A VOLUME OF WATER, BUT HE DID TALK TO TRIGG THIS MORNING ABOUT THAT TO SEE WHERE THEY MAY BE AND IF THEY HAVE GOTTEN THEIR STUDY RESULTS BACK. TRIGG SAID THEY HAVE NOT RECEIVED THEIR STUDY. MR. BEYER SAID THAT IT IS FAIRLY ESSENTIAL TO US TO KNOW HOW MUCH

ADJOURNMENT:

WITH NO FURTHER BUSINESS TO DISCUSS, RAY WAKEFIELD MADE A MOTION TO ADJOURN THE MEETING AND DANNY MORGAN SECONDED THE MOTION. VOICES VOTE – ALL AYES. MEETING ADJOURNED.

RESPECTFULLY SUBMITTED:

APPROVED:


GAYLE MILLER, SECRETARY


MICKEY KING, CHAIRMAN

Chairman Mickey King
was absent

WTC Attachment #6
ww Attachment #9

2020-21	2020-21	2020-21	2020-21	2020-21	2020-21	2020-21	2020-21	2020-21	2020-21	2020-21	2020-21	2020-21
Obi	Acct	Acct	Budget	FYTD Activity	FYTD Activity	Monthly Activity	Unencumbered Bal	FYTD	FYTD	FYTD	FYTD	FYTD
204	43114	000	85,000.00	48,520.00	44,200.34	8,320.00	36,480.00	57.08				
204	43191	000	2,500,000.00	1,354,622.51	1,327,107.93	210,439.81	1,145,377.49	54.18				
204	43193	000	200,000.00	147,600.00	111,400.00	25,800.00	52,400.00	73.80				
204	43193	000		2,000.00			-2,000.00					
204	43194	000	129,000.00	5,250.00	6,000.00	20.00	129,000.00					
204	43194	000		150.00			-5,250.00					
204	43194	000		160.00			-150.00					
204	43194	000		15,575.00	13,050.00	2,625.00	-15,575.00					
204	43194	000		684.00	704.00	122.00	-684.00					
204	43194	000		3,520.00	4,920.00	920.00	-3,520.00					
204	43194	000		900.00	1,170.00	495.00	-900.00					
204	43194	000		48.00			-48.00					
204	43194	000		35.00			-35.00					
204	43194	000		300.00	475.00	150.00	-300.00					
204	43194	000		71,000.00	51,000.00	11,000.00	-71,000.00					
204	43194	000		3,750.00		750.00	-3,750.00					
204	431--	----	2,914,000.00	1,654,114.51	1,560,027.27	260,641.81	1,259,885.49	56.76				
204	43350	000		15.75		15.75	-15.75					
204	433--	----		15.75		15.75	-15.75					
204	44110	000		3,774.68	6,352.16	882.60	-3,774.68					
204	44170	000	19,974.85	2,101.47	3,907.96	383.03	-2,101.47	10.52				
204	441--	----	19,974.85	5,876.15	10,260.12	1,265.63	-5,876.15	29.42				
204	44530	000	300,000.00									
204	44560	000		3,075.12			-3,075.12					
204	445--	----	300,000.00	3,075.12			-3,075.12					
204	46980	000		179,801.05	4,792.13	42,800.85	-179,801.05					
204	469--	----		179,801.05	4,792.13	42,800.85	-179,801.05					
204	47590	000	4,570,000.00				4,570,000.00					
204	475--	----	4,570,000.00				4,570,000.00					
204	47660	000	327,200.00				327,200.00					
204	476--	----	327,200.00				327,200.00					
204	49800	000	300,000.00				300,000.00					
204	498--	----	300,000.00				300,000.00					
204	-----	----	8,431,174.85	1,842,882.58	1,575,079.52	304,724.04	6,268,317.42	21.86				
204	58190	103	49,171.00	26,476.80	23,576.80	5,673.60	22,694.20	53.85				
204	58190	105	68,828.00	37,060.80	33,737.60	7,941.60	31,767.20	53.85				
204	58190	119	156,975.00	84,525.00	76,585.60	18,112.50	72,450.00	53.85				
204	58190	141	108,597.00	45,153.76	53,227.20	12,530.40	63,443.24	41.58				
204	58190	143	41,101.00	22,131.20	20,144.80	4,742.40	18,969.80	53.85				

WHTZ Attachment #44
www.attachment#4

End Acct	Obj	Acct	2020-21	2019-20	2020-21	2020-21	2020-21	2020-21	2020-21	2020-21	FYTD %
			Revised Budget	FYTD Activity	FYTD Activity	Monthly Activity	Unencumbered Bal				
204 43114 000		SOLID WASTE DISPOSAL FEE	85,000.00	56,880.00	51,800.34	8,360.00	28,120.00				66.92
204 43191 000		WATER SALES	2,500,000.00	1,610,240.83	1,515,255.44	255,618.32	889,759.17				64.41
204 43193 000		WATER TAP SALES	200,000.00	175,600.00	126,400.00	28,000.00	24,400.00				87.80
204 43193 000		WATER TAP SALES		2,000.00	4,000.00		-2,000.00				
204 43194 000		SERVICE CHARGES	129,000.00	5,250.00	6,000.00		129,000.00				
204 43194 000		SERVICE CHARGES		170.00		20.00	-5,250.00				
204 43194 000		SERVICE CHARGES		160.00			-170.00				
204 43194 000		SERVICE CHARGES		17,700.00	14,950.00	2,125.00	-160.00				
204 43194 000		SERVICE CHARGES		744.00	798.00	60.00	-17,700.00				
204 43194 000		SERVICE CHARGES		3,520.00	5,800.00		-744.00				
204 43194 000		SERVICE CHARGES		900.00	1,485.00		-3,520.00				
204 43194 000		SERVICE CHARGES		48.00			-900.00				
204 43194 000		SERVICE CHARGES		35.00			-48.00				
204 43194 000		SERVICE CHARGES		300.00	475.00		-35.00				
204 43194 000		SERVICE CHARGES		84,000.00	58,000.00	13,000.00	-300.00				
204 43194 000		SERVICE CHARGES		3,750.00			-84,000.00				
204 431--		*GENERAL SERVICE CHARGES	2,914,000.00	1,961,297.83	1,784,963.78	307,183.32	952,702.17				67.31
204 43350 000		COPY FEES		15.75			-15.75				
204 433--		*FEES		15.75			-15.75				
204 44110 000		INVESTMENT INCOME		4,664.07	7,674.00	889.39	-4,664.07				
204 44170 000		MISCELLANEOUS REFUNDS	19,974.85	18,551.72	9,757.96	16,450.25	-18,551.72				92.88
204 441--		*RECURRING ITEMS	19,974.85	23,215.79	17,431.96	17,339.64	-23,215.79				116.23
204 44530 000		SALE OF EQUIPMENT	300,000.00	337,360.50		337,360.50	-337,360.50				112.45
204 44560 000		DAMAGES RECOVERED FROM IN		3,075.12			-3,075.12				
204 445--		*NONRECURRING ITEMS	300,000.00	340,435.62		337,360.50	-340,435.62				113.48
204 46980 000		OTHER STATE GRANTS		179,801.05	4,792.13		-179,801.05				
204 469--		*		179,801.05	4,792.13		-179,801.05				
204 47590 000		OTHER FEDERAL THROUGH STA	4,570,000.00				4,570,000.00				
204 475--		*	4,570,000.00				4,570,000.00				
204 47660 000		FHA GRANT	327,200.00				327,200.00				
204 476--		*DIRECT FEDERAL REVENUE	327,200.00				327,200.00				
204 49800 000		TRANSFERS IN	300,000.00				300,000.00				
204 498--		*TRANSFERS IN	300,000.00				300,000.00				
204 -----		*Revenue	8,431,174.85	2,504,766.04	1,807,187.87	661,883.46	5,606,433.96				29.71
204 58190 103		OTHER ECONOMIC AND COMMUN ASSISTANT (S)	49,171.00	30,259.20	29,017.60	3,782.40	18,911.80				61.54
204 58190 105		OTHER ECONOMIC AND COMMUN SUPERVISOR/DIRECTOR	68,828.00	42,355.20	41,523.20	5,294.40	26,472.80				61.54
204 58190 119		OTHER ECONOMIC AND COMMUN ACCOUNTANTS/BOOKKEEPERS	156,975.00	96,600.00	94,259.20	12,075.00	60,375.00				61.54
204 58190 141		OTHER ECONOMIC AND COMMUN FOREMEN	108,597.00	53,507.36	65,510.40	8,353.60	55,089.64				49.27
204 58190 143		OTHER ECONOMIC AND COMMUN EQUIPMENT OPERATORS	41,101.00	25,292.80	24,793.60	3,161.60	15,808.20				61.54

WTR ATTACHMENT #6
LOW Attachment #4

Fnd Acct	Obj	Acct	2020-21 Revised Budget	2020-21 FYTD Activity	2019-20 FYTD Activity	February 2020-21 Monthly Activity	2020-21 FYTD Unencumbered Bal	2020-21 FYTD %
204	43114	000 SOLID WASTE DISPOSAL FEE	85,000.00	65,240.00	59,400.34	8,360.00	19,760.00	76.75
204	43191	000 WATER SALES	2,500,000.00	1,819,203.46	1,687,862.53	208,962.63	680,796.54	72.77
204	43193	000 WATER TAP SALES	200,000.00	197,600.00	138,400.00	22,000.00	2,400.00	98.80
204	43193	000 WATER TAP -SALES		2,000.00	7,800.00		-2,000.00	
204	43194	000 SERVICE CHARGES	129,000.00	6,000.00	6,750.00	750.00	129,000.00	
204	43194	000 SERVICE CHARGES		180.00		10.00	-180.00	
204	43194	000 SERVICE CHARGES		160.00			-160.00	
204	43194	000 SERVICE CHARGES		19,450.00	16,800.00	1,750.00	-19,450.00	
204	43194	000 SERVICE CHARGES		808.00	952.00	64.00	-808.00	
204	43194	000 SERVICE CHARGES		3,520.00	6,440.00		-3,520.00	
204	43194	000 SERVICE CHARGES		900.00	1,665.00		-900.00	
204	43194	000 SERVICE CHARGES		48.00			-48.00	
204	43194	000 SERVICE CHARGES		35.00			-35.00	
204	43194	000 SERVICE CHARGES		300.00	475.00		-300.00	
204	43194	000 SERVICE CHARGES		95,000.00	64,000.00	11,000.00	-95,000.00	
204	43194	000 SERVICE CHARGES		3,750.00			-3,750.00	
204	431--	--- *GENERAL SERVICE CHARGES	2,914,000.00	2,214,194.46	1,990,544.87	252,896.63	699,805.54	75.98
204	43350	000 COPY FEES		15.75			-15.75	
204	433--	--- *FEES		15.75			-15.75	
204	44110	000 INVESTMENT INCOME		5,553.46	9,012.89	889.39	-5,553.46	
204	44170	000 MISCELLANEOUS REFUNDS	19,974.85	31,203.30	4,062.40	12,651.58	-31,203.30	156.21
204	441--	--- *RECURRING ITEMS	19,974.85	36,756.76	13,075.29	13,540.97	-36,756.76	184.02
204	44530	000 SALE OF EQUIPMENT	300,000.00	337,360.50			-337,360.50	112.45
204	44560	000 DAMAGES RECOVERED FROM IN		3,075.12			-3,075.12	
204	445--	--- *NONRECURRING ITEMS	300,000.00	340,435.62			-340,435.62	113.48
204	46980	000 OTHER STATE GRANTS		179,801.05	4,792.13		-179,801.05	
204	469--	--- *		179,801.05	4,792.13		-179,801.05	
204	47590	000 OTHER FEDERAL THROUGH STA	4,570,000.00	2,771,203.64	2,008,412.29	266,437.60	5,339,996.36	32.87
204	475--	--- *	4,570,000.00	34,041.60	32,644.80	3,782.40	15,129.40	69.23
204	47660	000 FHA GRANT	327,200.00	47,649.60	46,713.60	5,294.40	21,178.40	69.23
204	476--	--- *DIRECT FEDERAL REVENUE	327,200.00	108,675.00	106,041.60	12,075.00	48,300.00	69.23
204	49800	000 TRANSFERS IN	300,000.00	61,860.96	73,699.20	8,353.60	46,736.04	56.96
204	498--	--- *TRANSFERS IN	300,000.00	28,029.56	27,892.80	2,736.76	13,071.44	68.20
204	----	--- *Revenue	8,431,174.85	2,771,203.64	2,008,412.29	266,437.60	5,339,996.36	32.87
204	58190	103 OTHER ECONOMIC AND COMMUN	49,171.00	34,041.60	32,644.80	3,782.40	15,129.40	69.23
204	58190	105 OTHER ECONOMIC AND COMMUN	68,828.00	47,649.60	46,713.60	5,294.40	21,178.40	69.23
204	58190	119 OTHER ECONOMIC AND COMMUN	156,975.00	108,675.00	106,041.60	12,075.00	48,300.00	69.23
204	58190	141 OTHER ECONOMIC AND COMMUN	108,597.00	61,860.96	73,699.20	8,353.60	46,736.04	56.96
204	58190	143 OTHER ECONOMIC AND COMMUN	41,101.00	28,029.56	27,892.80	2,736.76	13,071.44	68.20

ww Attachment #9

Fnd T Acct	Obj	Prj	Loc	Prq	Acct	Beginning Balance	2020-21 FY Credits	2020-21 FY Debits	Ending Balance
A	11120	000	000	00000	000	CASH ON HAND	800.00	0.00	800.00
204 A	11130	000	000	00000	000	CASH IN BANK	1,003.00	2,953.07	3,956.07
204 A	11140	000	000	00000	000	CASH WITH TRUSTEE	4,647,500.16	4,523,879.58	4,486,688.54
204 A	11200	000	000	00000	000	INVENTORIES	74,619.88	0.00	74,619.88
204 A	11410	000	000	00000	000	ACCOUNTS RECEIVABLE	298,949.79	2,290,858.39	299,063.77
204 A	11410	000	COW	20003	000	ACCOUNTS RECEIVABLE	0.00	0.00	0.00
204 A	11430	000	000	00000	000	DUE FROM OTHER GOVERNMENTS	304,772.89	75,212.42	229,560.47
204 A	11440	000	000	00000	000	DUE FROM OTHER FUNDS	0.00	0.00	0.00
204 A	11440	000	COW	20003	000	DUE FROM OTHER FUNDS	0.00	0.00	0.00
204 A	-----	---	---	---	---	*Asset	5,327,645.72	6,892,903.46	5,094,688.73
204 L	00000	000	000	00000	000		0.00	708,602.17	0.00
204 L	21100	000	000	00000	000	ACCOUNTS PAYABLE	-803,232.40	2,518,713.09	-79,625.39
204 L	21310	000	000	00000	000	INCOME TAX WITHHELD AND UNPAID	0.00	45,777.48	0.00
204 L	21310	000	CSR	20004	000	INCOME TAX WITHHELD AND UNPAID	0.00	0.00	0.00
204 L	21310	000	POW	20004	000	INCOME TAX WITHHELD AND UNPAID	0.00	0.00	0.00
204 L	21320	000	000	00000	000	SOCIAL SECURITY TAX	0.00	64,478.12	0.00
204 L	21320	000	CSR	20004	000	SOCIAL SECURITY TAX	0.00	0.00	0.00
204 L	21320	000	POW	20004	000	SOCIAL SECURITY TAX	0.00	0.00	0.00
204 L	21325	000	000	00000	000	EMPLOYEE MEDICARE DEDUCTION	0.00	15,129.12	0.00
204 L	21325	000	CSR	20004	000	EMPLOYEE MEDICARE DEDUCTION	0.00	0.00	0.00
204 L	21325	000	POW	20004	000	EMPLOYEE MEDICARE DEDUCTION	0.00	0.00	0.00
204 L	21330	000	000	00000	000	RETIREMENT CONTRIBUTIONS	-5,405.91	65,899.62	-9,375.45
204 L	21330	000	CSR	20004	000	RETIREMENT CONTRIBUTIONS	0.00	0.00	0.00
204 L	21340	000	000	00000	000	BLUE CROSS BLUE SHIELD HEALTH	-9,694.70	93,793.69	-8,175.28
204 L	21340	000	CSR	20004	000	BLUE CROSS BLUE SHIELD HEALTH	0.00	0.00	0.00
204 L	21340	000	POW	20004	000	BLUE CROSS BLUE SHIELD HEALTH	0.00	0.00	0.00
204 L	21341	000	000	00000	000	COMPANY #1	-838.38	8,334.02	-839.28
204 L	21341	000	CSR	20004	000	COMPANY #1	0.00	0.00	0.00
204 L	21342	000	000	00000	000	COMPANY #2	0.00	0.00	0.00
204 L	21342	000	CSR	20004	000	COMPANY #2	0.00	0.00	0.00
204 L	21343	000	000	00000	000	COMPANY #3	0.00	0.00	0.00
204 L	21343	000	CSR	20004	000	COMPANY #3	0.00	0.00	0.00
204 L	21343	000	POW	20004	000	COMPANY #3	0.00	0.00	0.00
204 L	21344	000	000	00000	000	COMPANY #4	0.00	0.00	0.00
204 L	21344	000	CSR	20004	000	COMPANY #4	0.00	0.00	0.00
204 L	21345	000	000	00000	000	HSA	0.00	12,918.60	0.00
204 L	21345	000	CSR	20004	000	HSA	0.00	0.00	0.00
204 L	21346	000	000	00000	000	COMPANY #6	0.00	0.00	0.00
204 L	21346	000	CSR	20004	000	COMPANY #6	0.00	0.00	0.00
204 L	21346	000	POW	20004	000	COMPANY #6	0.00	0.00	0.00
204 L	21347	000	000	00000	000	COMPANY #7	0.00	0.00	0.00
204 L	21347	000	CSR	20004	000	COMPANY #7	0.00	0.00	0.00
204 L	21348	000	000	00000	000	COMPANY #8	0.00	0.00	0.00
204 L	21348	000	CSR	20004	000	COMPANY #8	0.00	0.00	0.00
204 L	21349	000	000	00000	000	TRANSAMERICA	0.00	0.00	0.00
204 L	21350	000	000	00000	000	TAX SHELTER ANNUITIES	0.00	14,151.80	-627.90
204 L	21351	000	000	00000	000	COMPANY #1	0.00	0.00	0.00
204 L	21355	000	000	00000	000	COMPANY #5	-149.83	1,828.66	-118.43
204 L	21355	000	CSR	20004	000	COMPANY #5	0.00	0.00	0.00
204 L	21360	000	000	00000	000	GARNISHMENTS AND LEVIES	0.00	19,975.41	0.00
204 L	21380	000	000	00000	000	CREDIT UNION DEDUCTIONS	0.00	0.00	0.00
204 L	21391	000	000	00000	000	AIR MED EVAC	0.00	120.00	0.00
204 L	21391	000	CSR	20004	000	AIR MED EVAC	0.00	0.00	0.00
204 L	21410	000	000	00000	000	CONTRACTS PAYABLE	0.00	0.00	0.00
204 L	21420	000	000	00000	000	RETAINAGE PAYABLE	0.00	0.00	0.00
204 L	21500	000	000	00000	000	DUE TO OTHER FUNDS	0.00	0.00	0.00

End T	Acct	Obj	Prj	Loc	Prg	Acct	Beginning Balance	2020-21 FY Credits	2020-21 FY Debits	Ending Balance
A	00000	000	000	00000	000		0.00	0.00	0.00	0.00
801 A	11140	000	000	00000	000	CASH WITH TRUSTEE	0.00	0.00	0.00	0.00
801 A	13200	000	000	00000	000	LAND	355,901.00	0.00	0.00	355,901.00
801 A	13300	000	000	00000	000	BUILDINGS AND IMPROVEMENTS	979,951.18	0.00	0.00	979,951.18
801 A	13310	000	000	00000	000	ACCUMULATED DEPRECIATION-BUILDING	-299,523.46	0.00	0.00	-299,523.46
801 A	13400	000	000	00000	000	INFRASTRUCTURE	27,062,235.73	0.00	0.00	27,062,235.73
801 A	13410	000	000	00000	000	ACCUMULATED DEPRECIATION - INF	-9,156,013.78	0.00	0.00	-9,156,013.78
801 A	13900	000	000	00000	000	OTHER CAPITAL ASSETS	2,227,770.95	0.00	0.00	2,227,770.95
801 A	13910	000	000	00000	000	ACCUMULATED DEPRECIATION - OTH	-2,121,600.35	0.00	0.00	-2,121,600.35
801 A	99999	000	000	00000	000		0.00	0.00	0.00	0.00
801 A	-----	---	---	-----	---	*Asset	19,048,721.27	0.00	0.00	19,048,721.27
801 L	00000	000	000	00000	000		0.00	0.00	0.00	0.00
801 L	21100	000	000	00000	000	ACCOUNTS PAYABLE	0.00	0.00	0.00	0.00
801 L	-----	---	---	-----	---	*Liability	0.00	0.00	0.00	0.00
801 Q	34100	000	000	00000	000	ENCUMBRANCES	0.00	0.00	0.00	0.00
801 Q	34110	000	000	00000	000	ENCUMBRANCES - CURRENT YEAR	0.00	0.00	0.00	0.00
801 Q	34120	000	000	00000	000	ENCUMBRANCES - PRIOR YEAR	0.00	0.00	0.00	0.00
801 Q	39000	000	000	00000	000	UNASSIGNED	0.00	0.00	0.00	0.00
801 Q	39001	000	000	00000	000	REVENUE SUMMARY	0.00	0.00	0.00	0.00
801 Q	39002	000	000	00000	000	EXPENSE SUMMARY	0.00	0.00	0.00	0.00
801 Q	39110	000	000	00000	000	INVESTED IN CAPITAL ASSETS, NE	-19,048,721.27	0.00	0.00	-19,048,721.27
801 Q	-----	---	---	-----	---	*Equity	-19,048,721.27	0.00	0.00	-19,048,721.27
P	-----	---	---	-----	---	*CAPITAL ASSETS PUBLIC UTILITY	0.00	0.00	0.00	0.00

Number of Accounts: 88

***** End of report *****

www.attachment 44

Fnd	T	Acct	Obj	Prj	Loc	Prq	Acct	Beginning	2020-21	2020-21	Ending
								Balance	FY Credits	FY Debits	Balance
							CASH ON HAND	800.00	0.00	0.00	800.00
204	A	11130	000	000	000000	000	CASH IN BANK	1,003.00	2,953.07	2,953.07	1,003.00
204	A	11140	000	000	000000	000	CASH WITH TRUSTEE	4,647,500.16	4,523,879.58	4,206,246.71	4,781,880.45
204	A	11200	000	000	000000	000	INVENTORIES	74,619.88	0.00	0.00	74,619.88
204	A	11410	000	000	000000	000	ACCOUNTS RECEIVABLE	298,949.79	2,290,858.39	2,289,243.18	342,648.75
204	A	11410	000	COW	20003	000	ACCOUNTS RECEIVABLE	0.00	0.00	0.00	0.00
204	A	11430	000	000	000000	000	DUE FROM OTHER GOVERNMENTS	304,772.89	75,212.42	0.00	229,560.47
204	A	11440	000	000	000000	000	DUE FROM OTHER FUNDS	0.00	0.00	0.00	0.00
204	A	11440	000	COW	20003	000	DUE FROM OTHER FUNDS	0.00	0.00	0.00	0.00
204	A	-----	-----	-----	-----	-----	*Asset	5,327,645.72	6,892,903.46	6,498,442.96	5,430,512.55
204	L	00000	000	000	000000	000		0.00	708,602.17	708,602.17	0.00
204	L	21100	000	000	000000	000	ACCOUNTS PAYABLE	-803,232.40	2,518,713.09	3,321,945.49	0.00
204	L	21310	000	000	000000	000	INCOME TAX WITHHELD AND UNPAID	0.00	45,777.48	45,777.48	0.00
204	L	21310	000	CSR	20004	000	INCOME TAX WITHHELD AND UNPAID	0.00	0.00	0.00	0.00
204	L	21310	000	POW	20004	000	INCOME TAX WITHHELD AND UNPAID	0.00	0.00	0.00	0.00
204	L	21320	000	000	000000	000	SOCIAL SECURITY TAX	0.00	64,478.12	64,478.12	0.00
204	L	21320	000	CSR	20004	000	SOCIAL SECURITY TAX	0.00	0.00	0.00	0.00
204	L	21320	000	POW	20004	000	SOCIAL SECURITY TAX	0.00	0.00	0.00	0.00
204	L	21325	000	000	000000	000	EMPLOYEE MEDICARE DEDUCTION	0.00	15,129.12	15,129.12	0.00
204	L	21325	000	CSR	20004	000	EMPLOYEE MEDICARE DEDUCTION	0.00	0.00	0.00	0.00
204	L	21325	000	POW	20004	000	EMPLOYEE MEDICARE DEDUCTION	0.00	0.00	0.00	0.00
204	L	21330	000	000	000000	000	RETIREMENT CONTRIBUTIONS	-5,405.91	65,899.62	61,016.92	-6,222.89
204	L	21330	000	CSR	20004	000	RETIREMENT CONTRIBUTIONS	0.00	0.00	0.00	0.00
204	L	21340	000	000	000000	000	BLUE CROSS BLUE SHIELD HEALTH	-9,694.70	93,793.69	108,595.87	-8,175.38
204	L	21340	000	CSR	20004	000	BLUE CROSS BLUE SHIELD HEALTH	0.00	0.00	0.00	0.00
204	L	21340	000	POW	20004	000	BLUE CROSS BLUE SHIELD HEALTH	0.00	0.00	0.00	0.00
204	L	21341	000	000	000000	000	COMPANY #1	-838.38	8,334.02	8,728.19	-888.09
204	L	21341	000	CSR	20004	000	COMPANY #1	0.00	0.00	0.00	0.00
204	L	21342	000	000	000000	000	COMPANY #2	0.00	0.00	0.00	0.00
204	L	21342	000	CSR	20004	000	COMPANY #2	0.00	0.00	0.00	0.00
204	L	21343	000	000	000000	000	COMPANY #3	0.00	0.00	0.00	0.00
204	L	21343	000	CSR	20004	000	COMPANY #3	0.00	0.00	0.00	0.00
204	L	21343	000	POW	20004	000	COMPANY #3	0.00	0.00	0.00	0.00
204	L	21344	000	000	000000	000	COMPANY #4	0.00	0.00	0.00	0.00
204	L	21344	000	CSR	20004	000	COMPANY #4	0.00	0.00	0.00	0.00
204	L	21345	000	000	000000	000	HSA	0.00	12,918.60	12,706.60	0.00
204	L	21345	000	CSR	20004	000	HSA	0.00	0.00	0.00	0.00
204	L	21346	000	000	000000	000	COMPANY #6	0.00	0.00	0.00	0.00
204	L	21346	000	CSR	20004	000	COMPANY #6	0.00	0.00	0.00	0.00
204	L	21346	000	POW	20004	000	COMPANY #6	0.00	0.00	0.00	0.00
204	L	21347	000	000	000000	000	COMPANY #7	0.00	0.00	0.00	0.00
204	L	21347	000	CSR	20004	000	COMPANY #7	0.00	0.00	0.00	0.00
204	L	21348	000	000	000000	000	COMPANY #8	0.00	0.00	0.00	0.00
204	L	21348	000	CSR	20004	000	COMPANY #8	0.00	0.00	0.00	0.00
204	L	21349	000	000	000000	000	TRANSAMERICA	0.00	0.00	0.00	0.00
204	L	21350	000	000	000000	000	TAX SHELTER ANNUITIES	0.00	14,151.80	13,074.04	-937.91
204	L	21351	000	000	000000	000	COMPANY #1	0.00	0.00	0.00	0.00
204	L	21355	000	000	000000	000	COMPANY #5	-149.83	1,828.66	1,851.14	-116.06
204	L	21355	000	CSR	20004	000	COMPANY #5	0.00	0.00	0.00	0.00
204	L	21360	000	000	000000	000	GARNISHMENTS AND LEVIES	0.00	19,975.41	19,975.41	0.00
204	L	21380	000	000	000000	000	CREDIT UNION DEDUCTIONS	0.00	0.00	0.00	0.00
204	L	21391	000	000	000000	000	AIR MED EVAC	0.00	120.00	120.00	0.00
204	L	21391	000	CSR	20004	000	AIR MED EVAC	0.00	0.00	0.00	0.00
204	L	21410	000	000	000000	000	CONTRACTS PAYABLE	0.00	0.00	0.00	0.00
204	L	21420	000	000	000000	000	RETAINAGE PAYABLE	0.00	0.00	0.00	0.00
204	L	21500	000	000	000000	000	DUE TO OTHER FUNDS	0.00	0.00	0.00	0.00

WIC Attachment #1
WIC Attachment #4

Fnd	T	Acct	Obj	Pri	Loc	Prq	Acct	Beginning	2020-21		Ending
								Balance	FY Credits	FY Debits	Balance
								0.00	0.00	0.00	0.00
801	A	11140	000	000	000000	000	CASH WITH TRUSTEE	0.00	0.00	0.00	0.00
801	A	13200	000	000	000000	000	LAND	355,901.00	0.00	0.00	355,901.00
801	A	13300	000	000	000000	000	BUILDINGS AND IMPROVEMENTS	979,951.18	0.00	0.00	979,951.18
801	A	13310	000	000	000000	000	ACCUMULATED DEPRECIATION-BUILDI	-299,523.46	0.00	0.00	-299,523.46
801	A	13400	000	000	000000	000	INFRASTRUCTURE	27,062,235.73	0.00	0.00	27,062,235.73
801	A	13410	000	000	000000	000	ACCUMULATED DEPRECIATION - INF	-9,156,013.78	0.00	0.00	-9,156,013.78
801	A	13900	000	000	000000	000	OTHER CAPITAL ASSETS	2,227,770.95	0.00	0.00	2,227,770.95
801	A	13910	000	000	000000	000	ACCUMULATED DEPRECIATION - OTH	-2,121,600.35	0.00	0.00	-2,121,600.35
801	A	99999	000	000	000000	000		0.00	0.00	0.00	0.00
801	A	-----	-----	-----	-----	---	*Asset	19,048,721.27	0.00	0.00	19,048,721.27
801	L	00000	000	000	000000	000		0.00	0.00	0.00	0.00
801	L	21100	000	000	000000	000	ACCOUNTS PAYABLE	0.00	0.00	0.00	0.00
801	L	-----	-----	-----	-----	---	*Liability	0.00	0.00	0.00	0.00
801	Q	34100	000	000	000000	000	ENCUMBRANCES	0.00	0.00	0.00	0.00
801	Q	34110	000	000	000000	000	ENCUMBRANCES - CURRENT YEAR	0.00	0.00	0.00	0.00
801	Q	34120	000	000	000000	000	ENCUMBRANCES - PRIOR YEAR	0.00	0.00	0.00	0.00
801	Q	39000	000	000	000000	000	UNASSIGNED	0.00	0.00	0.00	0.00
801	Q	39001	000	000	000000	000	REVENUE SUMMARY	0.00	0.00	0.00	0.00
801	Q	39002	000	000	000000	000	EXPENSE SUMMARY	0.00	0.00	0.00	0.00
801	Q	39110	000	000	000000	000	INVESTED IN CAPITAL ASSETS, NE	-19,048,721.27	0.00	0.00	-19,048,721.27
801	Q	-----	-----	-----	-----	---	*Equity	-19,048,721.27	0.00	0.00	-19,048,721.27
							*CAPITAL ASSETS PUBLIC UTILITY	0.00	0.00	0.00	0.00

Number of Accounts: 88

***** End of report *****

WW Attachment #4

T	Acct	Obj	Prj	Loc	Prg	Acct	Beginning Balance	2020-21 FY Credits	2020-21 FY Debits	Ending Balance
204	A	11120	000	000	00000	000	CASH ON HAND	800.00	0.00	800.00
204	A	11130	000	000	00000	000	CASH IN BANK	1,003.00	2,953.07	1,003.00
204	A	11140	000	000	00000	000	CASH WITH TRUSTEE	4,647,500.16	4,523,879.58	4,518,326.17
204	A	11200	000	000	00000	000	INVENTORIES	74,619.88	0.00	74,619.88
204	A	11410	000	000	00000	000	ACCOUNTS RECEIVABLE	298,949.79	2,290,858.39	310,523.07
204	A	11410	000	COW	20003	000	ACCOUNTS RECEIVABLE	0.00	0.00	0.00
204	A	11430	000	000	00000	000	DUE FROM OTHER GOVERNMENTS	304,772.89	75,212.42	229,560.47
204	A	11440	000	000	00000	000	DUE FROM OTHER FUNDS	0.00	0.00	0.00
204	A	11440	000	COW	20003	000	DUE FROM OTHER FUNDS	0.00	0.00	0.00
204	A	-----	---	---	-----	---	*Asset	5,327,645.72	6,892,903.46	5,134,832.59
204	L	00000	000	000	00000	000		0.00	708,602.17	0.00
204	L	21100	000	000	00000	000	ACCOUNTS PAYABLE	-803,232.40	2,518,713.09	0.00
204	L	21310	000	000	00000	000	INCOME TAX WITHHELD AND UNPAID	0.00	45,777.48	0.00
204	L	21310	000	CSR	20004	000	INCOME TAX WITHHELD AND UNPAID	0.00	0.00	0.00
204	L	21310	000	POW	20004	000	INCOME TAX WITHHELD AND UNPAID	0.00	0.00	0.00
204	L	21320	000	000	00000	000	SOCIAL SECURITY TAX	0.00	64,478.12	0.00
204	L	21320	000	CSR	20004	000	SOCIAL SECURITY TAX	0.00	0.00	0.00
204	L	21320	000	POW	20004	000	SOCIAL SECURITY TAX	0.00	0.00	0.00
204	L	21325	000	000	00000	000	EMPLOYEE MEDICARE DEDUCTION	0.00	15,129.12	0.00
204	L	21325	000	CSR	20004	000	EMPLOYEE MEDICARE DEDUCTION	0.00	0.00	0.00
204	L	21325	000	POW	20004	000	EMPLOYEE MEDICARE DEDUCTION	0.00	0.00	0.00
204	L	21330	000	000	00000	000	RETIREMENT CONTRIBUTIONS	-5,405.91	65,899.62	-6,200.56
204	L	21330	000	CSR	20004	000	RETIREMENT CONTRIBUTIONS	0.00	0.00	0.00
204	L	21340	000	000	00000	000	BLUE CROSS BLUE SHIELD HEALTH	-9,694.70	93,793.69	75.22
204	L	21340	000	CSR	20004	000	BLUE CROSS BLUE SHIELD HEALTH	0.00	0.00	0.00
204	L	21340	000	POW	20004	000	BLUE CROSS BLUE SHIELD HEALTH	0.00	0.00	0.00
204	L	21341	000	000	00000	000	COMPANY #1	-838.38	8,334.02	-887.04
204	L	21341	000	CSR	20004	000	COMPANY #1	0.00	0.00	0.00
204	L	21342	000	000	00000	000	COMPANY #2	0.00	0.00	0.00
204	L	21342	000	CSR	20004	000	COMPANY #2	0.00	0.00	0.00
204	L	21343	000	000	00000	000	COMPANY #3	0.00	0.00	0.00
204	L	21343	000	CSR	20004	000	COMPANY #3	0.00	0.00	0.00
204	L	21343	000	POW	20004	000	COMPANY #3	0.00	0.00	0.00
204	L	21344	000	000	00000	000	COMPANY #4	0.00	0.00	0.00
204	L	21344	000	CSR	20004	000	COMPANY #4	0.00	0.00	0.00
204	L	21345	000	000	00000	000	HSA	0.00	12,918.60	0.00
204	L	21345	000	CSR	20004	000	HSA	0.00	0.00	0.00
204	L	21346	000	000	00000	000	COMPANY #6	0.00	0.00	0.00
204	L	21346	000	CSR	20004	000	COMPANY #6	0.00	0.00	0.00
204	L	21346	000	POW	20004	000	COMPANY #6	0.00	0.00	0.00
204	L	21347	000	000	00000	000	COMPANY #7	0.00	0.00	0.00
204	L	21347	000	CSR	20004	000	COMPANY #7	0.00	0.00	0.00
204	L	21348	000	000	00000	000	COMPANY #8	0.00	0.00	0.00
204	L	21348	000	CSR	20004	000	COMPANY #8	0.00	0.00	0.00
204	L	21349	000	000	00000	000	TRANSAMERICA	0.00	0.00	0.00
204	L	21350	000	000	00000	000	TAX SHELTER ANNUITIES	0.00	14,151.80	-670.91
204	L	21351	000	000	00000	000	COMPANY #1	0.00	0.00	0.00
204	L	21355	000	000	00000	000	COMPANY #5	-149.83	1,828.66	-169.04
204	L	21355	000	CSR	20004	000	COMPANY #5	0.00	0.00	0.00
204	L	21360	000	000	00000	000	GARNISHMENTS AND LEVIES	0.00	19,975.41	0.00
204	L	21380	000	000	00000	000	CREDIT UNION DEDUCTIONS	0.00	0.00	0.00
204	L	21391	000	000	00000	000	AIR MED EVAC	0.00	120.00	0.00
204	L	21391	000	CSR	20004	000	AIR MED EVAC	0.00	0.00	0.00
204	L	21410	000	000	00000	000	CONTRACTS PAYABLE	0.00	0.00	0.00
204	L	21420	000	000	00000	000	RETAINAGE PAYABLE	0.00	0.00	0.00
204	L	21500	000	000	00000	000	DUE TO OTHER FUNDS	0.00	0.00	0.00

T	Acct	Obj	Prj	Loc	Prg	Acct	Beginning Balance	2020-21 FY Credits	2020-21 FY Debits	Ending Balance
A	00000	000	000	000000	000		0.00	0.00	0.00	0.00
801 A	11140	000	000	000000	000	CASH WITH TRUSTEE	0.00	0.00	0.00	0.00
801 A	13200	000	000	000000	000	LAND	355,901.00	0.00	0.00	355,901.00
801 A	13300	000	000	000000	000	BUILDINGS AND IMPROVEMENTS	979,951.18	0.00	0.00	979,951.18
801 A	13310	000	000	000000	000	ACCUMULATED DEPRECIATION-BUILDI	-299,523.46	0.00	0.00	-299,523.46
801 A	13400	000	000	000000	000	INFRASTRUCTURE	27,062,235.73	0.00	0.00	27,062,235.73
801 A	13410	000	000	000000	000	ACCUMULATED DEPRECIATION - INF	-9,156,013.78	0.00	0.00	-9,156,013.78
801 A	13900	000	000	000000	000	OTHER CAPITAL ASSETS	2,227,770.95	0.00	0.00	2,227,770.95
801 A	13910	000	000	000000	000	ACCUMULATED DEPRECIATION - OTH	-2,121,600.35	0.00	0.00	-2,121,600.35
801 A	99999	000	000	000000	000		0.00	0.00	0.00	0.00
801 A	-----	---	---	-----	---	*Asset	19,048,721.27	0.00	0.00	19,048,721.27
801 L	00000	000	000	000000	000		0.00	0.00	0.00	0.00
801 L	21100	000	000	000000	000	ACCOUNTS PAYABLE	0.00	0.00	0.00	0.00
801 L	-----	---	---	-----	---	*Liability	0.00	0.00	0.00	0.00
801 Q	34100	000	000	000000	000	ENCUMBRANCES	0.00	0.00	0.00	0.00
801 Q	34110	000	000	000000	000	ENCUMBRANCES - CURRENT YEAR	0.00	0.00	0.00	0.00
801 Q	34120	000	000	000000	000	ENCUMBRANCES - PRIOR YEAR	0.00	0.00	0.00	0.00
801 Q	39000	000	000	000000	000	UNASSIGNED	0.00	0.00	0.00	0.00
801 Q	39001	000	000	000000	000	REVENUE SUMMARY	0.00	0.00	0.00	0.00
801 Q	39002	000	000	000000	000	EXPENSE SUMMARY	0.00	0.00	0.00	0.00
801 Q	39110	000	000	000000	000	INVESTED IN CAPITAL ASSETS, NE	-19,048,721.27	0.00	0.00	-19,048,721.27
801 Q	-----	---	---	-----	---	*Equity	-19,048,721.27	0.00	0.00	-19,048,721.27
-----	---	---	---	-----	---	*CAPITAL ASSETS PUBLIC UTILITY	0.00	0.00	0.00	0.00

Number of Accounts: 88

***** End of report *****

WTR ATTACHMENT #14
 04/30/21
 12:55 PM
 WTR ATTACHMENT #14

3frbud12.p 7
 05.21.02.00.04
 Marshall County Public Utility, TN
 CASH WITH TRUSTEE (Date: 12/01/2020 - 12/31/2020)

Account Level		December 2020-21		December 2020-21		December 2020-21		Ending			
Date	Acct	Obj	Prj	Loc	Prq	Description	Beginning Balance	Debits	Credits	Inv Date	Balance
Date	Src	Sub	Batch	Vendor Name/Ref	Prq	PO#/Line# Description	PO#/Line# Description	Inv#/Desc2	Chk#/Rec#	Check Date	Amount
204 A	11140	000	00000	000	000	CASH WITH TRUSTEE	4,579,747.70	402,608.35	495,667.51	4,486,688.54	
12/01/20	AP	CDCC	30			CHECK REGISTER SUMMARY UPDATE					-2,461.90
12/01/20	AP	CDCC	01			CHECK REGISTER SUMMARY UPDATE					-113,900.52
12/01/20	AP	CDVC	120120			CASH TOTAL					28.53
12/01/20	AP	CDCC	120120			CHECK REGISTER SUMMARY UPDATE					-28.53
12/01/20	AP	CDVC	120120			CASH TOTAL					2.00
12/03/20	AP	CDWC	ZTAX			CASH TOTAL					-6,009.36
12/03/20	AP	CDCC	19			CHECK REGISTER SUMMARY UPDATE					-872.60
12/03/20	AP	CDCC	15			CHECK REGISTER SUMMARY UPDATE					-499.37
12/03/20	AP	CDCC	05			CHECK REGISTER SUMMARY UPDATE					-89.18
12/04/20	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		Regular Payroll		12/02/20	-17,824.89
12/04/20	AP	CDCC	04			CHECK REGISTER SUMMARY UPDATE					-7,604.26
12/04/20	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		Quick Void		12/02/20	914.05
12/04/20	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		Regular Payroll		12/02/20	-414.68
12/04/20	AP	CDCC	04			CHECK REGISTER SUMMARY UPDATE					-14.00
12/12/20	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		Regular Payroll		12/16/20	-230.85
12/15/20	AP	CDWC	ZTAX			CASH TOTAL					-5,760.28
12/15/20	AP	CDCC	15			CHECK REGISTER SUMMARY UPDATE					-8,863.79
12/16/20	AP	CDWC	ZTAX			CASH TOTAL					-38.30
12/16/20	AP	CDCC	16			CHECK REGISTER SUMMARY UPDATE					-2,302.48
12/17/20	AP	CDCC	19			CHECK REGISTER SUMMARY UPDATE					-237.25
12/17/20	AP	CDCC	16			CHECK REGISTER SUMMARY UPDATE					-84,514.27
12/17/20	AP	CDCC	17			CHECK REGISTER SUMMARY UPDATE					-3,364.00
12/17/20	AP	CDCC	15			CHECK REGISTER SUMMARY UPDATE					-642.66
12/18/20	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		Regular Payroll		12/14/20	-431.30
12/18/20	PR	AS				PUBLIC UTILITY/CASH WITH TRUST		Regular Payroll		12/14/20	-16,485.39
12/22/20	AP	CDCC	22			CHECK REGISTER SUMMARY UPDATE					-26,459.44
12/22/20	AP	CDCC	21			CHECK REGISTER SUMMARY UPDATE					-582.64
12/28/20	AP	CDCC	20			CHECK REGISTER SUMMARY UPDATE					-519.62
12/28/20	AP	CDCC	19			CHECK REGISTER SUMMARY UPDATE					-203.33
12/28/20	AP	CDCC	28			CHECK REGISTER SUMMARY UPDATE					-139.01
12/29/20	AP	CDWC	ZTAX			CASH TOTAL					-6,065.64
12/29/20	AP	CDCC	29			CHECK REGISTER SUMMARY UPDATE					-3,349.73
12/29/20	AP	CDCC	na			CHECK REGISTER SUMMARY UPDATE					-488.51
12/29/20	AP	CDVC	na			CASH TOTAL					1,537.18
12/29/20	AP	CDCC	na			CHECK REGISTER SUMMARY UPDATE					-1,397.44
12/30/20	AP	CDCC	na			CHECK REGISTER SUMMARY UPDATE					-954.11
12/31/20	CR	AU	20-00005			CASH TOTAL					0.00
12/31/20	CR		20-00005			CASH TOTAL					44,082.23

WTR Attachr Int #9
ww attachment #9

Fnd T Acct		Obj		Pri Loc		Prq		Account Level		January 2020-21		January 2020-21		Ending	
Date	Src	Sub	Batch	Vendor Name/Ref	Description	Beginning Balance	Debits	Credits	Inv#	Desc2	Inv Date	Chk#	Rec#	Check Date	Amount
204 A	11140	000	000	00000	000	CASH WITH TRUSTEE									
01/04/21	AP	CDCC	29		CHECK REGISTER SUMMARY UPDATE	4,486,688.54	1,019,344.45	724,152.54			4,781,880.45				-1,047.29
01/04/21	AP	CDCC	04		CHECK REGISTER SUMMARY UPDATE										-1,359.58
01/06/21	AP	CDCC	06		CHECK REGISTER SUMMARY UPDATE										-12,924.36
01/07/21	AP	CDCC	07		CHECK REGISTER SUMMARY UPDATE										-1,968.95
01/07/21	AP	CDCC	05		CHECK REGISTER SUMMARY UPDATE										-89.18
01/08/21	AP	CDCC	08		CHECK REGISTER SUMMARY UPDATE										-457.97
01/13/21	AP	CDWC	ZTAX		CASH TOTAL										-5,711.08
01/13/21	AP	CDCC	13		CHECK REGISTER SUMMARY UPDATE										-3,799.09
01/14/21	AP	CDCC	20		CHECK REGISTER SUMMARY UPDATE										-519.62
01/14/21	AP	CDCC	19		CHECK REGISTER SUMMARY UPDATE										-465.58
01/14/21	AP	CDCC	14		CHECK REGISTER SUMMARY UPDATE										-17.17
01/14/21	AP	CDCC	15		CHECK REGISTER SUMMARY UPDATE										-691.57
01/15/21	PR	AS			PUBLIC UTILITY/CASH WITH TRUST						01/13/21				-16,424.43
01/19/21	AP	CDCC	15		CHECK REGISTER SUMMARY UPDATE										-2,149.81
01/21/21	AP	CDCC	19		CHECK REGISTER SUMMARY UPDATE										-432.02
01/21/21	AP	CDCC	23		CHECK REGISTER SUMMARY UPDATE										-9,511.09
01/21/21	AP	CDCC	28		CHECK REGISTER SUMMARY UPDATE										-114.41
01/21/21	AP	CDCC	21		CHECK REGISTER SUMMARY UPDATE										-154,965.01
01/27/21	AP	CDWC	ZTAX		CASH TOTAL										-5,837.88
01/27/21	AP	CDCC	27		CHECK REGISTER SUMMARY UPDATE										-21,821.57
01/27/21	AP	CDCC	24		CHECK REGISTER SUMMARY UPDATE										-493.27
01/28/21	AP	CDCC	28		CHECK REGISTER SUMMARY UPDATE										-3,947.95
01/28/21	AP	CDCC	19		CHECK REGISTER SUMMARY UPDATE										-465.58
01/28/21	AP	CDCC	15		CHECK REGISTER SUMMARY UPDATE										-512.67
01/29/21	PR	AS			PUBLIC UTILITY/CASH WITH TRUST						01/26/21				-16,997.81
01/31/21	JE		20-00092												-47,834.29
01/31/21	JE		20-00093												-18,653.00
01/31/21	JE		20-00094												-6,242.00
01/31/21	JE		20-00095												-1,565.81
01/31/21	JE		20-00096												-9,375.45
01/31/21	JE		20-00097												-1,391.00
01/31/21	JE		20-00098												-2,920.88
01/31/21	JE		20-00101												291,199.14
01/31/21	CR	AU	20-00006		CASH TOTAL										0.00
01/31/21	CR		20-00006												354,700.14
January															
*204 A 11140 000 000 00000 000															
*Accounts Payable															

3frbud12.p
05.21.02.00.04

Marshall County Public Utility, TN
CASH WITH TRUSTEE (Date: 02/01/2021 - 02/28/2021)

Page: 1
04/30/21
12:56 PM

with attachment #9
with attachment #9

Account Level		February 2020-21		February 2020-21		February 2020-21		Ending	
End T	Acct	Obj	Pri	Loc	Prg	Batch	Description	Balance	
Date	204	A	11140	000	0000	000	CASH WITH TRUSTEE	Inv Date	
								Chk#/Rec#	
								Check Date	
								Amount	
							Beginning Balance		
							PO#/Line#		
							Description		
							Debits		
							Credits		
							Inv#/Desc2		
							613,837.77		
							4,781,880.45		
							350,283.49		
							CHECK REGISTER SUMMARY UPDATE		-500.00
							CHECK REGISTER SUMMARY UPDATE		-52,730.31
							CHECK REGISTER SUMMARY UPDATE		-32,396.68
							CHECK REGISTER SUMMARY UPDATE		-9,511.09
							CHECK REGISTER SUMMARY UPDATE		-400.59
							CHECK REGISTER SUMMARY UPDATE		-582.35
							CHECK REGISTER SUMMARY UPDATE		-13.63
							CHECK REGISTER SUMMARY UPDATE		-106.54
							CHECK REGISTER SUMMARY UPDATE		-114.41
							CHECK REGISTER SUMMARY UPDATE		-330,576.17
							CHECK REGISTER SUMMARY UPDATE		-550.00
							CASH TOTAL		-5,645.40
							CHECK REGISTER SUMMARY UPDATE		-465.58
							CHECK REGISTER SUMMARY UPDATE		-499.37
							CHECK REGISTER SUMMARY UPDATE		-2,306.32
							CASH TOTAL		499.37
							CHECK REGISTER SUMMARY UPDATE		-499.75
							PUBLIC UTILITY/CASH WITH TRUST	02/10/21	-16,467.07
							CHECK REGISTER SUMMARY UPDATE		-3,548.62
							CHECK REGISTER SUMMARY UPDATE		-7.00
							CASH TOTAL		-6,009.50
							CHECK REGISTER SUMMARY UPDATE		-465.58
							CHECK REGISTER SUMMARY UPDATE		-1,024.95
							CHECK REGISTER SUMMARY UPDATE		-9,511.09
							CHECK REGISTER SUMMARY UPDATE		-808.14
							CHECK REGISTER SUMMARY UPDATE		-414.41
							CHECK REGISTER SUMMARY UPDATE		-189.93
							PUBLIC UTILITY/CASH WITH TRUST	02/24/21	-17,263.75
							CHECK REGISTER SUMMARY UPDATE		-56,324.96
							CHECK REGISTER SUMMARY UPDATE		-22,538.00
							CASH TOTAL		-342.00
							CHECK REGISTER SUMMARY UPDATE		-1,608.82
							CHECK REGISTER SUMMARY UPDATE		-6,222.89
							CHECK REGISTER SUMMARY UPDATE		-1,391.00
							CHECK REGISTER SUMMARY UPDATE		-3,074.05
							CASH TOTAL		306,515.33
							CASH TOTAL		0.00
							CASH TOTAL		13,540.97

There is not a need currently. The sewer is not financially distressed.

Mickey King, Chairman
3211 Ostella Rd
Cornersville, TN 37047
Phone: home: 931-293-2250
Cell: 931-607-5848
Email: jmk3211@gmail.com
4 year term (9/1/2018-6/30/22)

Tony Beyer, Vice Chairman
1686 Franklin Pike
Lewisburg, TN 37091
Phone: home: 931-359-3262
Cell: 931-797-0795
Email: tonybeyer@yahoo.com
3 year term (9/1/2018-6/30/2021)

Joseph Warner
4231 Pyles Road
Chapel Hill, TN 37034
Phone: Cell: 931-703-2889
Email: carcarwar2001@gmail.com
4 year term (9/1/2018-6/30/22)

Ray Wakefield
1083 Poor House Rd
Lewisburg, TN 37091
Phone: home: 931-359-2328
Cell: 931-637-4544
Email: raysannette@gmail.com
3 year term (9/1/2018-6/30/2021)

Donnie Moses
1451 Keith Cove
Lewisburg, TN 37091
Phone: Cell: 931-637-2543

Email: donniemo70@gmail.com
3 year term (7/1/2020-6/30/2023)

TENNESSEE ASSOCIATION OF UTILITY DISTRICTS

Phone: (615) 896-9022
 Fax: (615) 898-8283
 Web: www.taud.org



Post Office Box 2529
 Murfreesboro, TN 37133-2529

840 Commercial Court
 Murfreesboro, TN 37129

Wednesday, December 26, 2018

Marshall County Board of Public Utilities
 624 West Commerce St.
 Lewisburg, TN 37091

I have set forth below a record of the training and continuing education classes provided by TAUD which the members of the governing board of the municipality's or county's water or sewer system attended in the 2018 calendar year. The classes attended and the hours reported are based upon name badge scans made at sessions attended by the board members at TAUD Conferences or upon the Continuing Education forms completed by the board members at TAUD classes.

Name	Event Date	Event Name	Hours
Mickey King	10-09-2018	Utility Commissioner Training	6
Mickey King	12-18-2018	Municipal Utility Official Training Class (Both Nights)	6
<i>duplicate</i> Mickey King	12-18-2018	Municipal Utility Official Training Class (Both Nights)	6
Tony Beyer	12-18-2018	Municipal Utility Official Training Class (Both Nights)	12
Joseph Warner	12-18-2018	Municipal Utility Official Training Class (Both Nights)	12
Donnie Moses	12-18-2018	Municipal Utility Official Training Class (Both Nights)	12

Please verify that the training and continuing education classes attended by the board members listed in this letter are accurate. Each board member should have previously received a certificate of attendance issued by TAUD certifying attendance at each of the classes set forth in this letter. If this record of attendance of TAUD training and continuing education classes is not accurate, please contact Beth Hardiman at (615) 900-1014 or by e-mail at bethhardiman@taud.org.

Pursuant to T.C.A § 7-34-115(j)-(k), the members of the governing board of a municipal or county water or sewer system are required to meet the training and continuing education requirements set forth in subsection (j). If any board member fails to meet the training and continuing education requirements set forth in subsection (j), the Water and Wastewater Financing Board has the

WRK Attachment #11
WW Attachment #11

Tennessee Duck River Development Agency

210 East Depot Street • Shelbyville, TN 37160 • O (931)684-7820 • F (931)685-0949 • www.duckriveragency.org

February 5, 2018

Gayle Miller
Marshall County Board of Public Utilities
624 West Commerce Street
Lewisburg, TN 37091

To Whom It May Concern:


This letter certifies that the following individual attended 6 hours of utility board member training at Henry Horton State Park on January 26, 2018.

Ray Wakefield

Hosted by Tennessee Duck River Development Agency and presented by John Greer, Utilities Specialist for the Tennessee Comptroller of the Treasury, this training meets certification requirements under Public Chapter 118.

This training also qualifies for 5 CMFO credits.

Sincerely,



Linda Periat
Director of Finance and Administration
Tennessee Duck River Development Agency

Tennessee Duck River Development Agency

210 East Depot Street • Shelbyville, TN 37160 • O (931)684-7820 • F (931)685-0949 • www.duckriveragency.org

Agenda Water and Waste Water Utility Board Member Training Henry Horton State Park - Room A&B January 26, 2018 12noon to 6:00pm

The Duck River Agency is sponsoring a six-hour training session for water and waste water system utility board members that will meet training certification required under Public Chapter 118. The training will be provided by the Comptroller's Office.

12:00	Top 10 Utility Audit Findings	John Greer
1:00	Top 10 Utility Audit Findings	John Greer
1:45	Break	DRA
2:00	Top 10 Audit Findings	John Greer
3:00	Introduction to Comptroller's Office	Christin Lotz
3:45	Break	DRA
4:00	Legislative Update	Christin Lotz
5:00	DRA Program and Project Overview	Doug Murphy

Duck River Basin

Water and Waste Water Utility Board Member Training

Registration for May 17, 2018

The Duck River Agency is sponsoring a six-hour training session for water and waste water system utility board members that will meet training certification required under Public Chapter 118. The training will be provided by the Comptroller's Office. *Pre-registration is required.*

Date and Time: May 17, 2018; 12:00 noon to 6:30pm

Registration Deadline: May 1, 2018

Location: The training will be held at Henry Horton State Park in the AB room on the bottom floor of the motel, left of the gift shop.

Questions: Linda Periut or Doug Murphy (931)684-7820 or linda@duckriveragency.org or doug@duckriveragency.org.

Name of Utility:

Address:

Contact Person:

email:

List of Attendees:

Name and title with utility, i.e. chairman, board member, etc.	EMAIL
Ray Wakefield	

REC'D JAN 07 2021

Letter Attachment #11
WW Attachment #11

TENNESSEE ASSOCIATION OF UTILITY DISTRICTS

Phone: (615) 896-9022
Fax: (615) 898-8283
Web: www.taud.org



Post Office Box 2529
Murfreesboro, TN 37133-2529

840 Commercial Court
Murfreesboro, TN 37129

Sunday, January 03, 2021

Marshall County Board of Public Utilities
624 West Commerce St.
Lewisburg, TN 37091

i have set forth below a record of the training and continuing education classes provided by TAUD which the commissioners of your utility attended in the 2020 calendar year. The classes attended and the hours reported are based upon name badge scans made at sessions attended by the commissioners at TAUD Conferences or upon the Continuing Education forms completed by the commissioners at TAUD classes.

Name	Event Date	Event Name	Hours
A. Ray Wakefield	10-12-2020	Utility Commissioner Training (Both Days)	12
Tony Beyer	10-28-2020	2020 Leadership Conference	12

Please verify that the training and continuing education classes attended by the utility's commissioners listed in this letter are accurate. If this record of training and continuing education classes is not accurate, please contact Beth Hardiman at (615) 900-1014 or by e-mail at bethhardiman@taud.org.

Pursuant to T.C.A § 7-82-308(f)(4), each utility commissioner must file an Annual Statement of Utility Commissioner Training with your utility by January 31 of each year to certify the training and continuing education courses attended during the prior calendar year (see enclosed form). The training and continuing education classes set forth in this letter and any other properly approved training and continuing education classes attended in 2020 need to be included in the Annual Statement for 2020. The Annual Statement needs to be filed in the utility's office no later than January 31, 2021. The certificate of attendance previously issued by TAUD to each utility commissioner certifying attendance at each of the classes set forth in this letter must be attached to the Annual Statement. Even if no training was received in 2020, each utility commissioner should complete and sign an Annual Statement showing zero hours attended. Commissioners failing to

BOARD MEMBER TRAINING

CHAIRMAN MICKEY KING		reappointed 9/1/18	commissioner
DATE	CLASS	CE HRS	
10/9/2018	Municipal Officer Training	6 HRS	
12/18/2018	Municipal Officer Training	6 HRS	
	TOTAL FIRST YEAR TRAINING	12 HRS	
11/13/2019	Commissioner Training	12 HRS	

RAY WAKEFIELD		reappointed 9/1/17	at large
DATE	CLASS	CE HRS	
1/26/2018	Training @ Henry Horton State Park	6 HRS	
5/17/2018	Training @ Henry Horton State Park	6 HRS	
	TOTAL FIRST YEAR TRAINING	12 HRS	
10/12-13/2020	Training @ Summertown- two days	12 HRS	

TONY BEYER		reappointed 9/1/18	commissioner
DATE	CLASS	CE HRS	
12/18/2018	Municipal Officer Training	6HRS	
12/19/2018	Municipal Officer Training	6HRS	
	TOTAL FIRST YEAR TRAINING	12HRS	
10/28-10/30	Commissioner Training- TAUD in Gatlinburg, TN	12 Hrs	

low attachment #12

Sever billed April 23,
Due May 20, 2021

Tran. Date	Service	Usage	Demand	Usage RT	Service	Surcharge 1	Surcharge 2	Local Tax	State Tax	Penalty	Amount	Total	Amount	Total
					Amount	Amount	Amount	Amount	Amount	Amount	RT	Amount	RT	Amount
Report Grand Totals		211	Accounts	Net	\$8,440.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,440.00	\$0.00	\$8,440.00

Customers are notified in the local newspaper, on our website, and printed on our bills.

Annually by the office manager

- a. Customers are billed \$40.00/mo/connection. This is a flat rate fee. The sewer is not metered.

a.

i. \$4.60/thousand to treat

ii. Design capacity of SOP-06042 The Villas at Chapel Hill is .022MGD. The percentage of design capacity being used is 18%

Design capacity of SOP-07069 Warner's Ridge Subdivision is .0579 MGD. The percentage of design capacity being used is 9.5%

iii. Warner's Ridge Subdivision is 5500 gallons

The Villas at Chapel Hill 4000 gallons

Our sewer system is a closed pressurized system with sand filters.

b. We only have sewer in two (2) of our subdivisions



JASON E. MUMPOWER
Comptroller

Entity Referred: **City of Mount Juliet**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Sewer**

Staff Summary:

The City contracted with Rate Studies Inc. to perform a rate study in accordance with the Board's previous order. Rate Studies Inc. has completed the rate study and submitted its resulting report and recommendations to the City and to Board staff. The City has implemented Rate Studies Inc.'s recommendations. Board staff is comfortable with the results of the rate study and with the City's current financial trajectory.

Staff Recommendation

Order the following:

1. The City shall send financial updates to Board staff by March 1st and September 1st of each year, beginning March 1, 2022, until the Board releases the City from its oversight.

James Maness
Mayor

CITY OF MT. JULIET

Commissioners

Ray Justice
Vice-Mayor

Jennifer Milele
Scott Hefner
Bill Trivett

Kenny Martin
City Manager



July 7, 2021

Betsy Knotts
Chair of the Water and Wastewater Financing Board
c/o John Greer
Assistant Director
Comptroller of the Treasury
Division of Local Government Finance
425 Rep. John Lewis Way North
Nashville, TN 37243

Re: Financial Distress Order

Dear Mrs. Knotts,

This letter is in response to the Financial Distress Order issued by the Water and Wastewater Financing Board. While the City of Mt. Juliet had a negative operating income per the W&WFB guidelines for FY18 & FY19, the City did have a positive net operating income for FY20 and a significant projected net operating income for FY21. The City did follow the Order of the W&WFB and the following measures were taken to address the directives of the Board:

- 1) Rate Study – The city contracted with Buddy Petty of RateStudies to perform the city Sewer Rate Study. As required by the Order the city contracted with RateStudies by the October 31st deadline and submitted the contract on 9/30/2020.
- 2) The Rate Study has been completed and the Board implemented the rates suggested by the Study for the FY22 budget. The Study included justification for the changes in the rate classes including Inside Residential, Outside Residential, Inside Commercial and Outside Commercial. A copy of the Rate Study and the FY22 Budget Ordinance is included with this correspondence.
- 3) The Study included a review of the leak adjustment policy however no changes were made.
- 4) The City also implemented a formal capitalization policy on 3/8/21. A copy of that policy is included with this correspondence.

- 5) The Board of Commissioners have completed the required Utility Training hours except for new Commissioner Bill Trivett who was appointed to the BOC on January 25, 2021. Commissioner Trivett has obtained 10 of the required 12 hours through the Elected Officials Academy. Training certificates for Commissioners Jennifer Milele and Scott Hefner have been included with this correspondence. Commissioner Ray Justice has not yet completed his 12 hours of Utility Board Training. Mayor Maness previously fulfilled the Utility Board Training requirement prior to the order being issued.

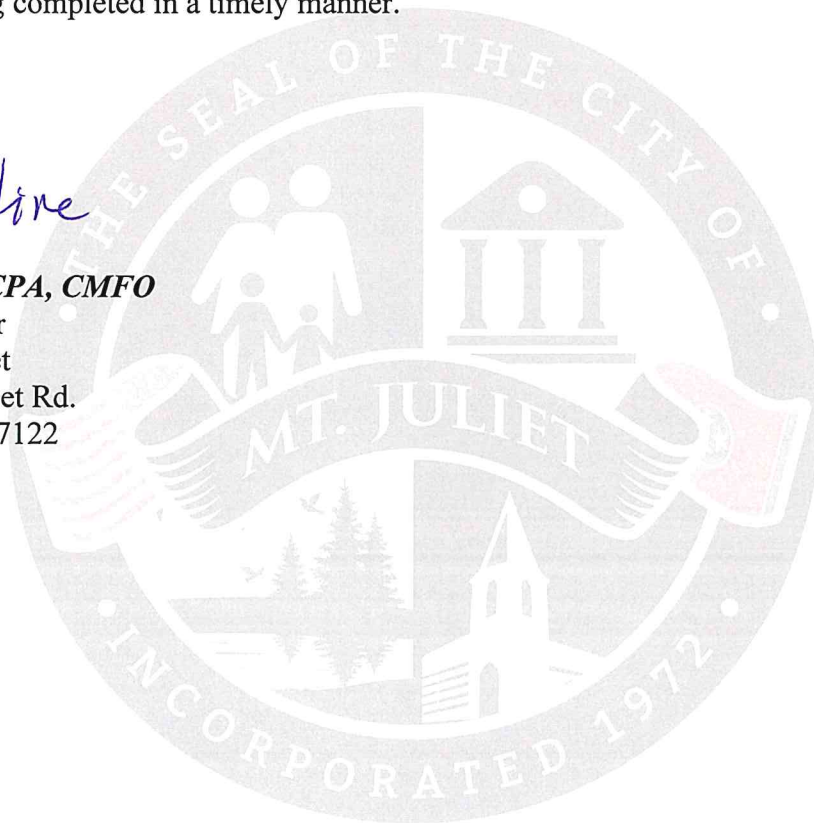
The City of Mt. Juliet believes it has successfully fulfilled the requirements set by the Water and Wastewater Financing Board Order with the exception of the Utility Board Training hours for Commissioner Justice. The City will continue to work with Commissioner Justice to get the required training completed in a timely manner.

Respectfully,



Dana L. Hire, CPA, CMFO

Finance Director
City of Mt. Juliet
2425 N. Mt. Juliet Rd.
Mt. Juliet, TN 37122
(615) 754-2552





Rate Study

2021

Prepared By:



The City of Mount Juliet

2020 Wastewater Rate Study

Introduction

Purpose

The purpose of this report is to present a comprehensive analysis to assist The City of Mount Juliet (City) in complying with an order (included at the end of this report) from the Water and Wastewater Financing Board (WWFB), a division of the Tennessee Comptroller of the Treasury. The order specifically states:

1. The City shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - I. Creation of a formal capitalization policy (not included in this report).
 - II. A review of the City's leak adjustment policy, including any recommended modifications (not included in this report).
 - III. A justification for the differing rate classes, or if no justification is possible, recommendations for an appropriate rate structure; and
 - IV. A justification for the differing tap fees, or if no justification is possible, recommendations for an appropriate fee structure.

RateStudies LLC was hired to perform this analysis.

Methodology

The cash flow methodology used by RateStudies is based on the *American Water Works Association (AWWA) M54 Manual - Developing Rates for Small Systems*, along with a Cost of Service (COS) analysis. Although rate studies are not an exact science, the financial models used in this report can be a valuable tool for making financial decisions and setting wastewater rates. Considerations are made to simplify the rate study process to be understandable by utility officials, managers, staff, and customers.

This report presents a comprehensive financial analysis of the City's wastewater system, including a historical 5-year view and a 5-year projection of customer growth, revenue, and expenses. A 5-year Capital Improvement Plan and its impact on depreciation are included. The City's Director of Public Works and Engineering, along with other City staff, assisted in the collection of historical data, development of the Capital Improvement Plan, growth projections, financial projections, and the final recommendations of this report.

To develop a framework for determining the adequacy of current rates or the need for rate increases, a Cash Flow Analysis and a Change in Net Position Analysis are used. Each of these gives an indication of financial stability for the City's wastewater system. Such information is presented both as Excel spreadsheets designed to function as financial models, and as graphs and charts to give a visual presentation of the key analyses in this report.

The results of the Cash Flow Analysis and Change in Net Position Analysis determine the amount of increase, if needed, in wastewater revenues to remedy the City's financially distressed position. These analyses are also used to determine the amount of revenue needed to ensure that the Statutory Change in Net Position is not negative for two future consecutive years. A Cost of Service Analysis is included to determine appropriate rates by class of customer. A System Development Charge Analysis is used in making recommendations for Tap Fees.

Significant Events and Factors

Factors affecting this analysis are the following conditions or significant factors:

- The City has seen a considerable amount of growth over the past several years.
- Metro, which treats the City's wastewater, increases its rates each year based on the Consumer Price Index - Urban.
- The City has not had a wastewater rate increase since FY 2018.
- The City's Five-Year Capital Improvement Plan (CIP) for the wastewater system totals \$30,714,266. Developers are anticipated to add \$7,500,000 to the wastewater system by way of contributions in aid of construction. Depreciation is projected to increase by \$948,111 over the next five years.
- Although developers install wastewater infrastructure at their cost, the City must bear the burden of funding the infrastructure depreciation through wastewater revenue.
- The State of Tennessee passed laws in 2017, impacting how "Statutory" Change in Net Position is calculated.

Recommendations

Rate recommendations from this study include the following:

- Determine the Cost of Service Analysis (COS) rate for each class of customer as justification for having four different rates.
- Increase the COS rate by 4% in FY 2022, 4% in FY 2023 and by 3% for each of the FY 2024-2025 to provide a reasonable amount of Cash Flow and Change in Net Position.

Figures 1a – 1d show the recommended rates.

Inside City Residential						
Current Rates			Cost of Service (COS) Rates		2022 COS + 4% Rate Increase	
Gallons		Minimum	Minimum	Difference	Minimum	Difference
First	2,000	\$15.76	\$17.54	\$1.78	\$18.24	\$2.48
		<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>
Over	2,000	\$7.72	\$6.71	(\$1.01)	\$6.98	(\$0.74)

Figure 1a

Outside City Residential						
Current Rates			Cost of Service (COS) Rates		2022 COS + 4% Rate Increase	
Gallons		Minimum	Minimum	Difference	Minimum	Difference
First	2,000	\$19.70	\$21.49	\$1.79	\$22.35	\$2.65
		<u>Per 1,000 gal</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>
Over	2,000	\$9.66	\$8.68	(\$0.98)	\$9.03	(\$0.63)

Figure 1b

Inside City Commerical						
Current Rates			Cost of Service (COS) Rates		2022 COS + 4% Rate Increase	
Gallons		Minimum	Minimum	Difference	Minimum	Difference
First	2,000	\$22.23	\$19.48	(\$2.75)	\$20.26	(\$1.97)
		<u>Per 1,000 gal</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>
Over	2,000	\$10.76	\$7.68	(\$3.08)	\$7.98	(\$2.78)

Figure 1c

Outside City Commerical						
Current Rates			Cost of Service (COS) Rates		2022 COS + 4% Rate Increase	
Gallons		Minimum	Minimum	Difference	Minimum	Difference
First	2,000	\$27.79	\$30.26	\$2.47	\$31.47	\$3.68
		<u>Per 1,000 gal</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>
Over	2,000	\$13.45	\$13.07	(\$0.38)	\$13.59	\$0.14

Figure 1d

Other Considerations

Price elasticity is a measurement of how buyers respond to changes in price. Generally, as the price of a product increases, buyers will buy less of the product. The City may experience price elasticity with some of its customers. Higher rates could encourage customers to use less water, which would result in less wastewater collected and less revenue collected. This report does not include a price elasticity analysis.

The recommendations of this report are designed to improve the City's finances and meet the requirements of the Tennessee Comptroller over the next five years. It is recommended to monitor and verify projections presented in this report on an annual basis and to react to unforeseen financial changes and make corrections, as necessary.

Customer Growth, Usage, and Revenue Projections

Overview

The City has seen a significant amount of growth in residential and commercial sewer customers in the past few years, which drives the wastewater revenue. Without an increase in rates, growth in customers is the only way to increase the City's wastewater revenue. The City does not have a major industry that uses large amounts of water that would produce large amounts of wastewater.

Methodology

The City depends on revenue collected from its customers to meet all financial needs, including general expenses, depreciation, and to pay for capital expenses. Projecting revenue for each class over the next five years is critical for determining the sufficiency of current rates.

There are four classes of customers: residential inside the City, residential outside the City, commercial inside the City and commercial outside the City. A review and analysis of the previous five years of data (FY 2016-2020) provide a reasonable basis for making projections over the next five years (FY 2021-2025) concerning customer growth, usage, and revenue. A work session was held with the City's Director of Public Works and Engineering, and other staff, to make the projections for each class of customers presented in this report. The total number of customers, and therefore the total amount of revenue, is projected to increase about 4% per year over the next five years.

Although growth in the number of residential and commercial customers appear to be consistently increasing, the amount of usage and revenue vary due to: weather conditions from one year to the next, customers implementing water conservation measures, or commercial customers changing their business practice by adding or removing features that affect the amount of water used.

Total Customers, Usage, and Revenue

The total number of customers, usage, and revenue with no rate increase are presented in **Figure 2a-2e**.

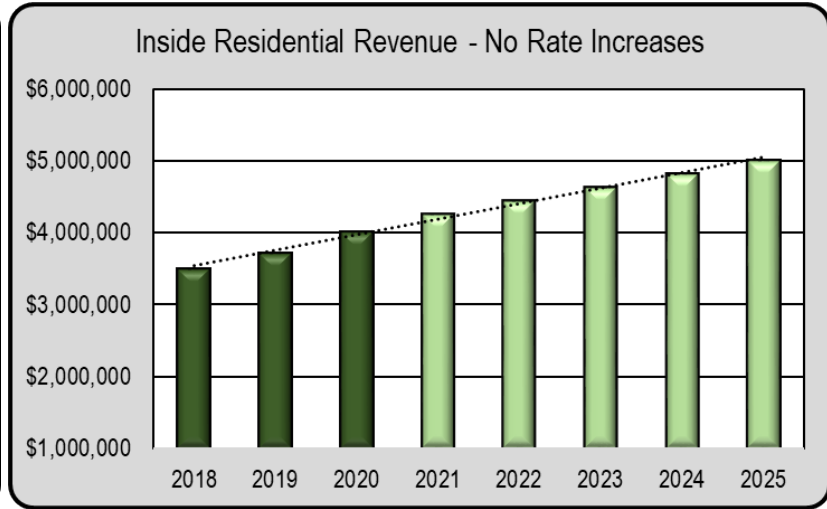
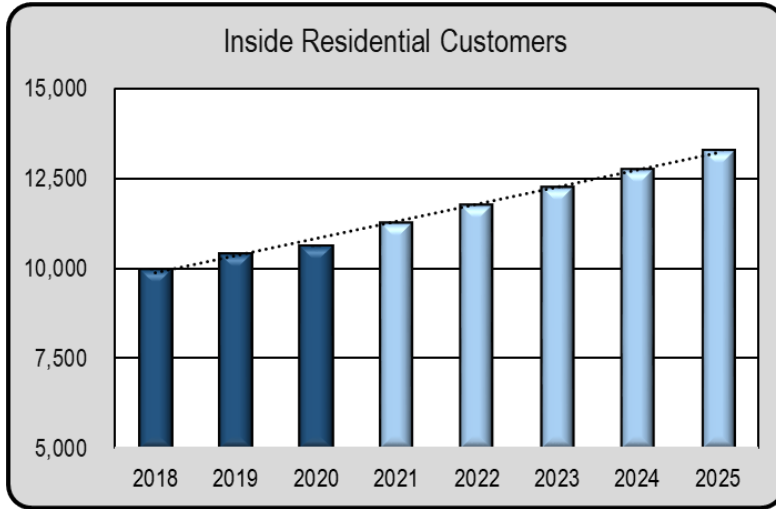


Figure 2a

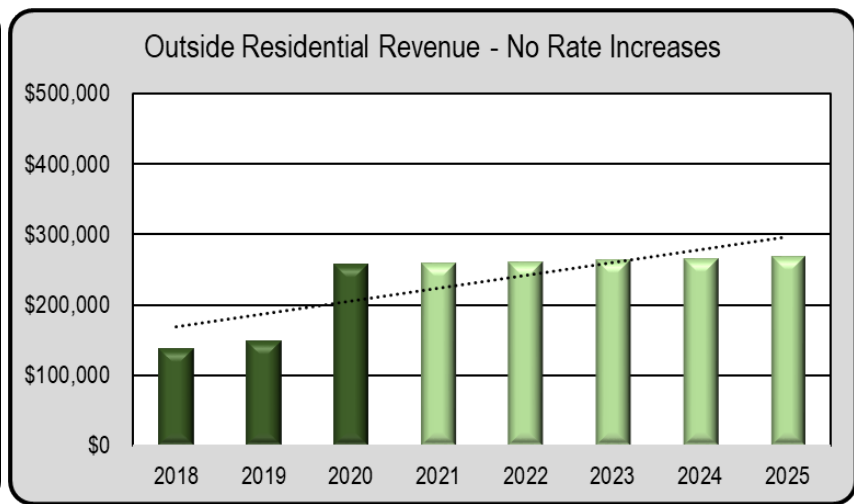
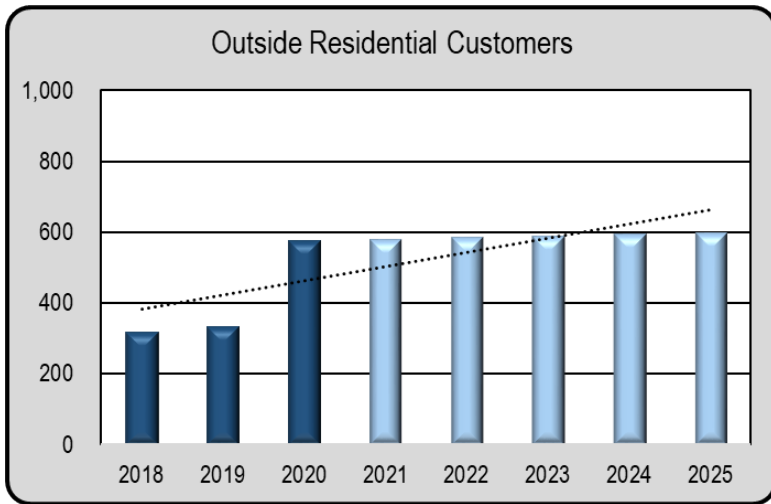


Figure 2b

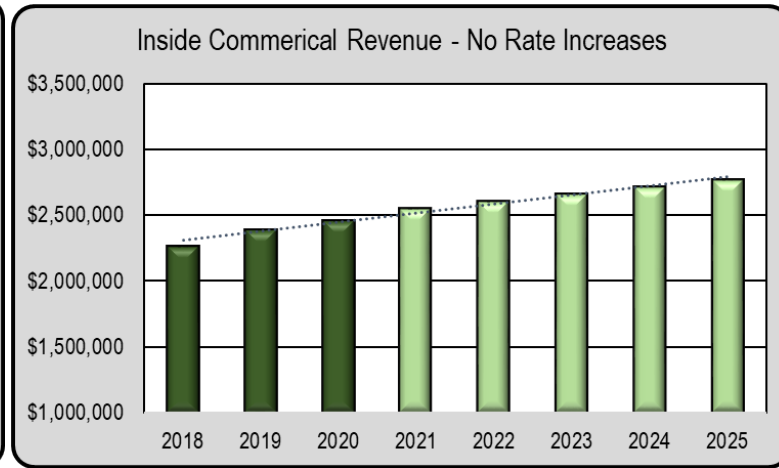
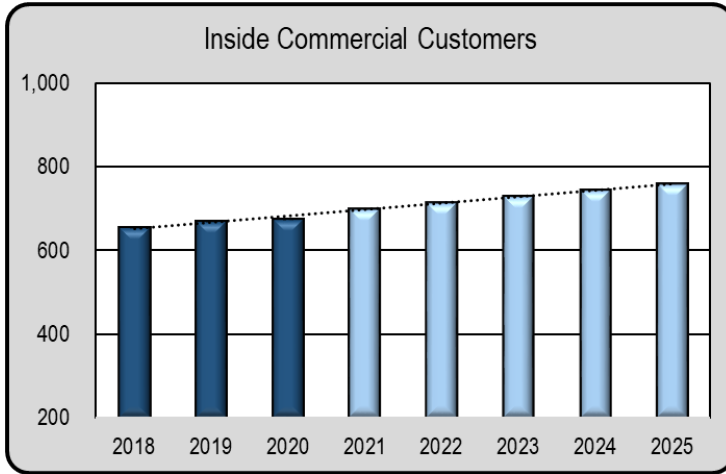


Figure 2c

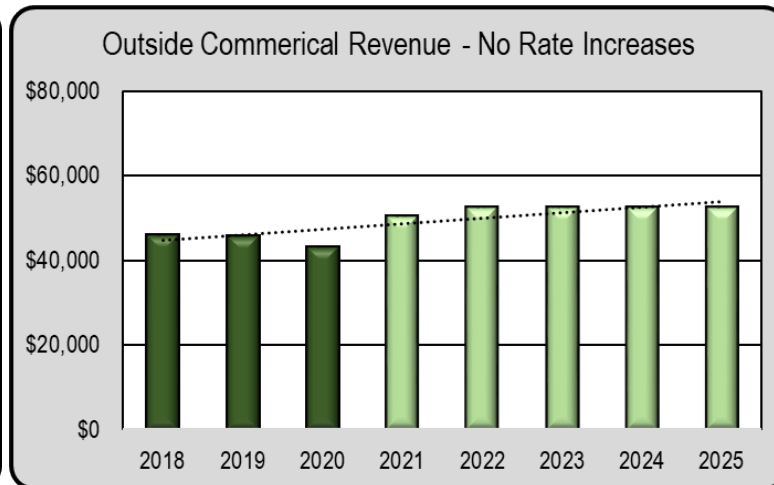
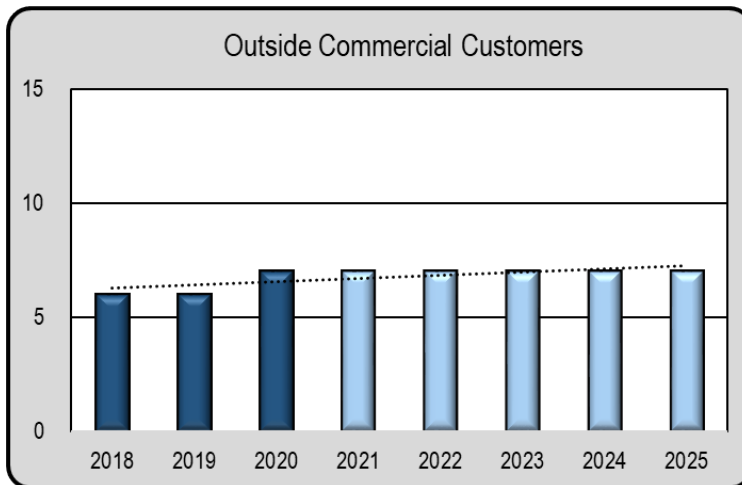


Figure 2d

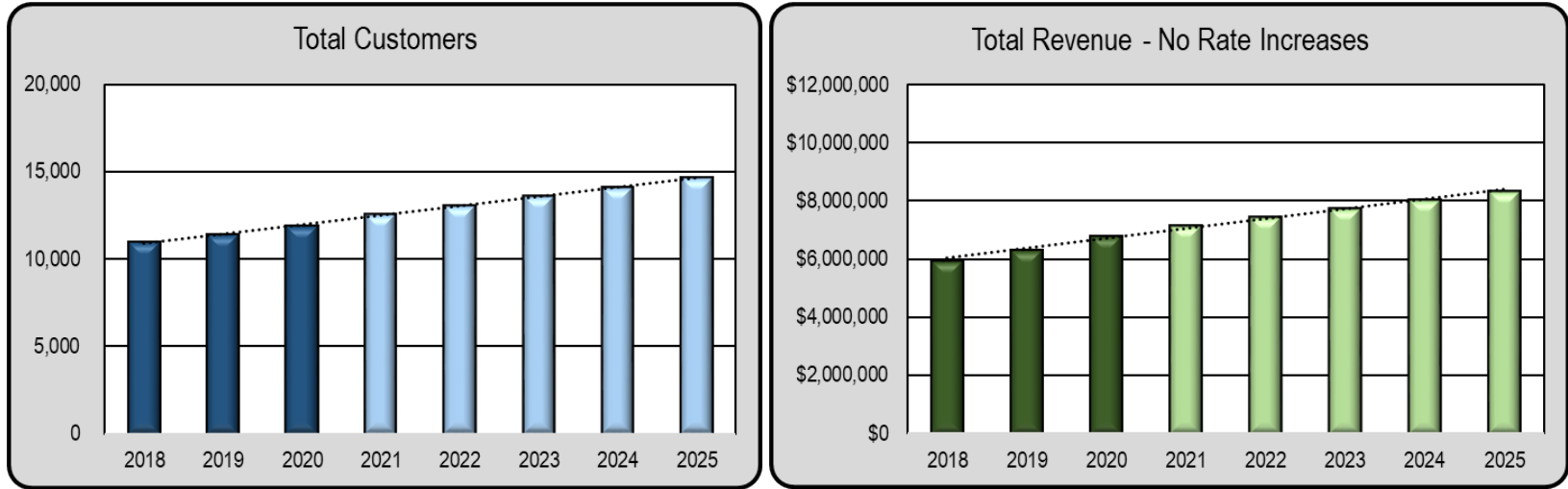


Figure 2e

In addition to revenue from customers, the City also gets operating income from inspection and administration, penalties, operating private grants, rent, the gain on sales of capital assets, and interest on available cash and investments. The total other income is projected to grow about 3% per year. **Figure 3** is a graph showing the growth of other income. The increase in FY 2021 is due to inspection payments from Amazon.

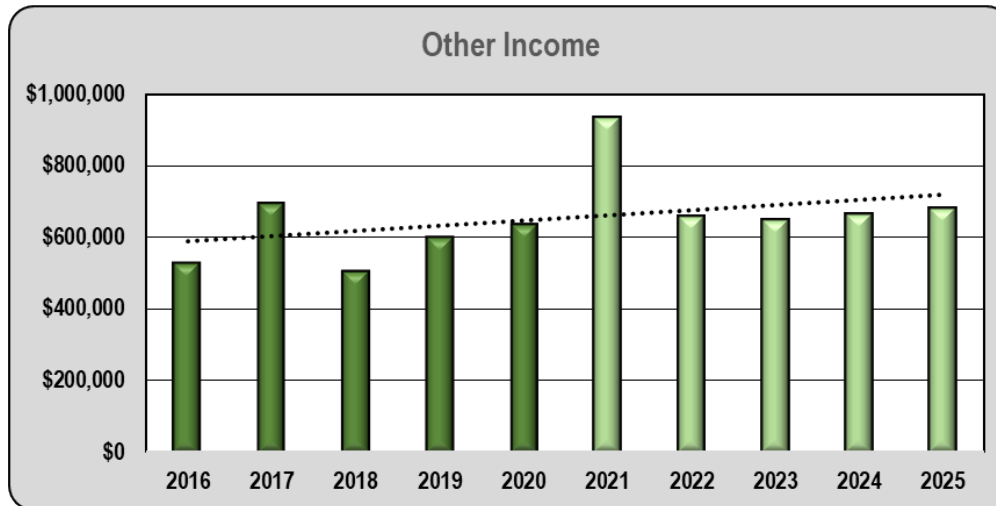


Figure 3

Wastewater Flow to Metro

In FY 2017, wastewater customers used 805 million gallons of water, but 1,196 million gallons was sent to Metro Water Services (MWS) for treatment, a difference of 391 million gallons. In FY 2020, customers used 927 million gallons and 1,493 million gallons was sent to MWS for treatment, a difference of 566 million gallons. This difference between the amount of wastewater sent to MWS and the amount of water used by MJSMD customers is called “infiltration / inflow” (I/I) and represents the amount of extraneous “clean” water entering the sewer system through cracked pipes or leaky joints in the gravity system, leaks in manholes or even the possibility of down spouts connections. This extraneous water is observed even in dry weather, but noticeably higher during rainfall events. It is apparent from **Figure 4** that over the last four years, the amount of I/I has been increasing.

In June 1999, the City entered into a 30 year agreement with MWS for transmission and treatment of all its wastewater flow. The current charge for the MWS service is about \$2.09 per 1,000 gallons. This amount increases annually based on the percent of increase of the Consumer Price Index each May. This report projects a varying rate of increase from 2% to 3% over the next five years.

Although the City is including rehabilitation projects in the Capital Improvement Plan, I/I is still anticipated to increase over time. I/I can be reduced through comprehensive rehabilitation projects; however, it is beyond the scope of this report to determine the effectiveness of the rehabilitation projects.

The flow to Metro and payment to Metro is expected to be lower in FY 2021 due to Covid 19.

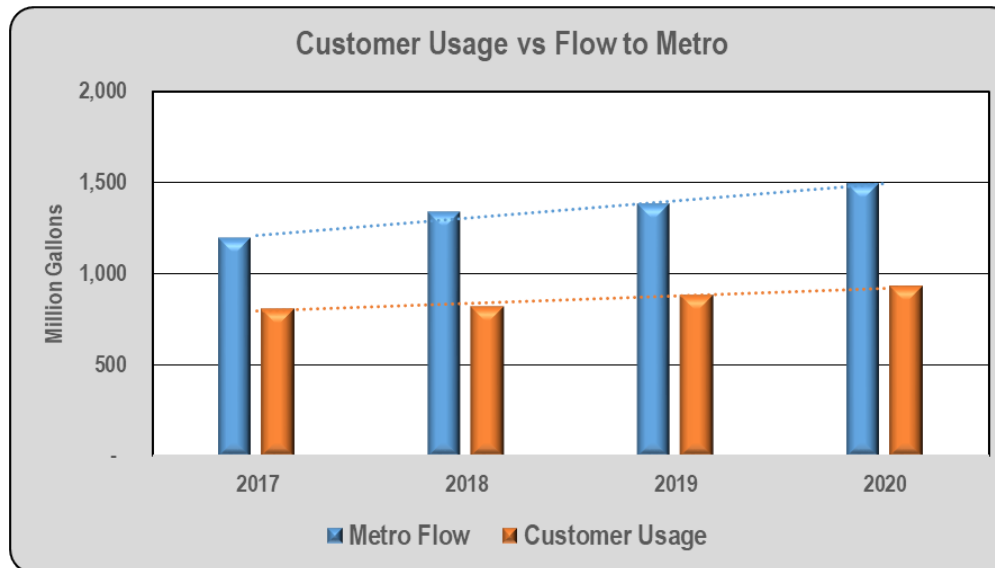


Figure 4

Capital Improvement Plan

Overview

The City has seen a considerable amount of growth in recent years, and with growth comes additional wastewater revenue through tap fees. At the end of FY 2020, the City had a total amount of \$8,103,194 in cash, \$1,100,736 in investments, and \$7,630,447 in restricted cash for capital improvements. Additional tap fees of \$9,846,323 are projected over the next five years. The current amount of restricted cash and projected tap fees over the next five years is projected to provide sufficient funding for City's five-year Capital Improvement Plan without adding debt.

A Capital Improvement Plan (CIP) is typically an unaudited planning document used to identify needed capital improvements and other assets, along with methods of financing, and a calculation of annual depreciation. Capital assets are defined by the City as assets with an initial individual cost of \$3,000 or more and a useful life of more than two years. Infrastructure capital assets are defined by the City as assets with an individual cost of \$10,000 or more and a useful life more than two years. Such assets are recorded at historical cost or estimated cost if purchased or constructed. Gifts or contributions of capital assets, including intangible assets, are recorded at acquisition value when received. The cost of normal maintenance and repairs that do not add to the value of the asset or materially extend the asset's life is not capitalized.

Major outlays for capital assets and improvements are capitalized as projects are constructed. Interest incurred during the construction phase of capital assets of business-type activities is included as part of the capitalized value of the assets constructed.

Anticipated projects

Figure 5 shows the complete CIP which lists each anticipated capital improvement over the next five years. For each year, the CIP includes the name of each project, its estimated cost, and the year each project is to be completed. The total cost is estimated to be \$30,714,266. The largest project listed is a \$10,000,000 equalization basin, a requirement in the Metro contract. Financing these projects will come from the City's existing cash reserves plus contributions by private developers. Although developers install wastewater infrastructure at their own cost, the developers will donate the infrastructure to the City. Therefore, the City will be the owners of the infrastructure and must operate, maintain, and fund the depreciation of the donated system. The total value of developer-funded systems is estimated to be \$7,500,000.

Five-Year Capital Improvement Plan						
	Cost	2021	2022	2023	2024	2025
Pumps and Rehab	725,000	125,000	150,000	150,000	150,000	150,000
Machinery and Equipment	341,000		191,000	50,000	50,000	50,000
Const. & Maint. (Belinda City)	3,550,000	250,000	825,000	825,000	825,000	825,000
Transportation Equipment	566,000	213,000	128,000	75,000	75,000	75,000
Royal Oaks Ozone System	295,000	295,000				
Highway 70 Pump Replacement	200,000		200,000			
Pump Station Rehab (Structural)	800,000		400,000			400,000
Sanitary Sewer Construction	1,332,214	132,214	300,000	300,000	300,000	300,000
Royal Oaks Pump Station Upgrage	196,321	196,321				
Kelsey Glen Pipeline Upgrade	175,000		175,000			
Timber Trail Pump Station	522,942	17,942	505,000			
Stoner Creek Interceptor Upgrade Phase 3	2,125,796	25,796	2,100,000			
Royal Oaks Gravity Sewer Replacement	194,957	14,957	180,000			
Cedar Creek Interceptor Upsizing	743,571	23,571	720,000			
S Mt. Juliet Service Basin Project	144,565		144,565			
W. Division Pocket Plan	1,160,000			1,160,000		
Stoners Creek Interceptor Upsizing Phase 4	2,225,000	125,000	2,100,000			
Metering Station Replacement	1,000,000		100,000	900,000		
Equilization Basin	10,550,000		550,000			10,000,000
Old Lebanon Dirt Rd West Pocket Plan	590,000		590,000			
John Wright Road Pocket Plan	120,000		120,000			
Woodlawn Place Gravity Sewer	325,000			325,000		
Creekside Drive Interceptor Upsizing	1,816,000			106,000	1,710,000	
Nonaville Road Pump Station Replacement	515,900				515,900	
Miscellaneous	500,000	100,000	100,000	100,000	100,000	100,000
Developer Contributions	7,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Total	38,214,266	3,018,801	11,078,565	5,491,000	5,225,900	13,400,000
Total Less Developer Contributions	30,714,266	1,518,801	9,578,565	3,991,000	3,725,900	11,900,000

Figure 5

Depreciation

Overview

Depreciation is a reduction in the value of an asset over time due to wear and tear. Although depreciation is listed as an expense, it is not paid out to anyone, but remains within the City's cash reserves. Funding depreciation is a process compelling the City to accumulate cash. Over time the accumulated depreciation equals the value of money initially spent on each capital asset. This process allows the City to have enough funds for financing new capital improvements or replacing depreciated assets.

Figure 6 is a simplified schedule of all depreciation showing the past five years and projections for the next five. Without any additions to wastewater system fixed assets, the current depreciation schedule (FY 2020) will drop gradually over the next five years from approximately \$1,916,606 million to \$1,828,745 million. Adding new depreciation because of implementing the five-year CIP, the depreciation will increase by \$948,111 to \$2,776,856. **Figure 7** shows a graphical representation of the depreciation schedule.

Requirement

Tennessee state law requires that all utility systems depreciate capital assets. The Governmental Accounting Standards Board (GASB) requires depreciation to be included in the "Statement of Revenues, Expenses, and Change in Net Position" section of the audit report as an operating expense. Therefore, the utility must provide sufficient revenue to "fund" the depreciation expense.

Calculating the costs

Although there are several methods of determining depreciation, the "straight line" method is used by the City. The calculation is simply dividing the cost of an asset by its useful life. The estimated useful lives listed in the City's audit report are as follows:

Buildings	40 years	Sidewalks	30 years
Improvements other than buildings	30 years	Bridges	50 years
Road system infrastructure	30 years	Sewer lines	45 years
Machinery, equipment, and vehicles	5-10 years	Sewer Transmission equipment	10-15 years

The depreciation schedule is a listing of each asset, its original cost, the year it went into service, and its useful life. Based on this information, an annual depreciation amount is determined, the accumulated depreciated amount is calculated, and the book value is determined. When the accumulated depreciated amount equals the original cost, the book value goes to zero, and the annual amount of depreciation goes to zero. Unless new assets are added, the total yearly depreciation will either stay the same or eventually go away.

Other considerations

Important to note is that all assets are to be depreciated regardless of the method of financing, even if an asset is acquired with grants or purchased by developers. An asset begins to depreciate when placed into service, not when it is bought or under construction.

Depreciation										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Scheduled Depreciation	1,370,593	1,490,359	1,685,859	1,836,205	1,916,606	1,933,482	1,899,993	1,871,016	1,845,727	1,828,745
Five-Year CIP Depreciation						110,234	447,180	590,869	728,667	948,111
Total Depreciation	1,370,593	1,490,359	1,685,859	1,836,205	1,916,606	2,043,717	2,347,173	2,461,885	2,574,394	2,776,856

Figure 6

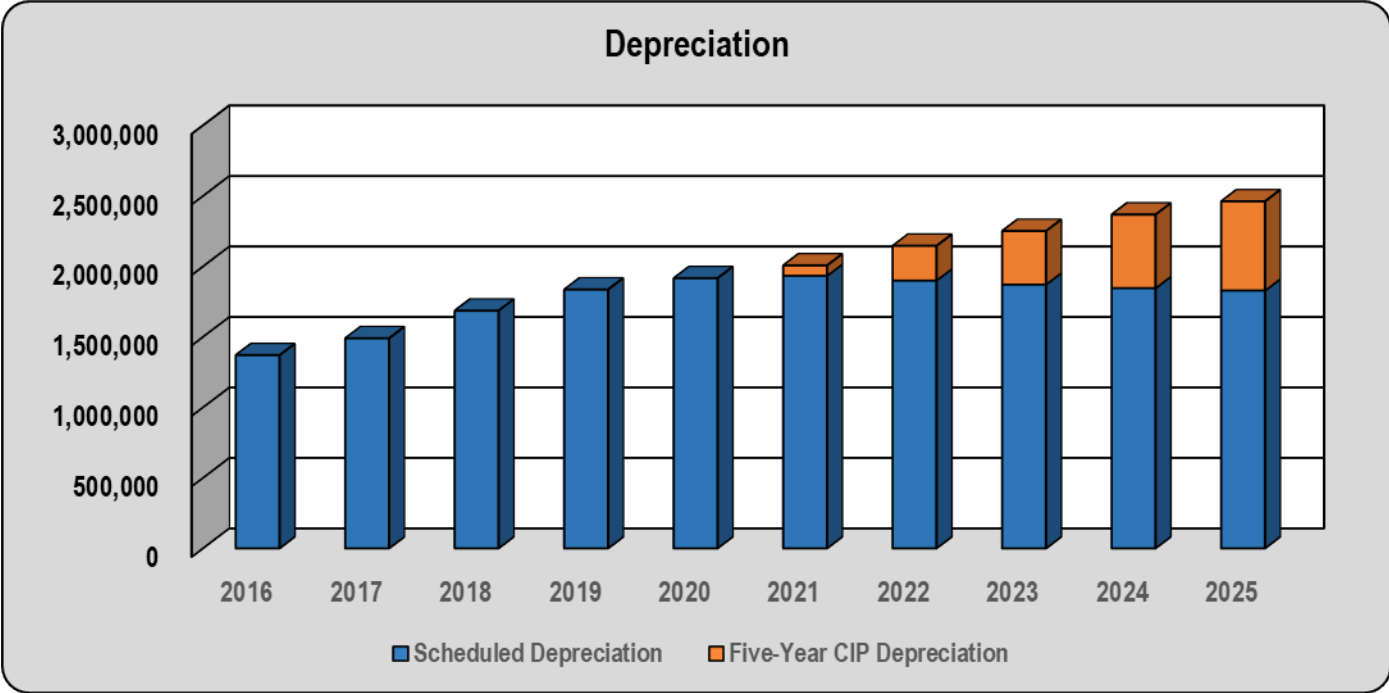


Figure 7

General Expenses

Overview

General expenses are listed in the annual audit on the "Statement of Revenues, Expenses, and Changes in Net Position" page and include five major categories. Depreciation is also listed as an expense and is included for the Change in Net Position Analysis but is not included in the Cash Flow Analysis.

Methodology

A work session was held with the City's Director of Public Works and Engineering, and other staff, to make projections of each line item in the general expenses. Expenses through FY 2025 were estimated as a percentage of increase for each line item. The previous five years of expenses provided guidance in making projections.

Total General Expenses

The total of the General Expenses is presented in **Figure 8**, both in a spreadsheet and a graphical representation. Overall, the grand total of all expense categories is projected have an increase for FY 2021-2025 of about 7% per year. Projected FY 2021 and 2022 expenses vary due to Covid 19.

General Expenses										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Sewer line and pump maintenance	1,113,104	1,155,105	1,157,446	1,247,123	1,338,835	1,721,373	1,880,292	2,049,518	2,233,975	2,435,033
Sewer lift station operation	273,908	260,457	285,363	192,961	318,216	167,976	278,000	297,460	318,282	340,562
Administrative and accounting	495,703	307,331	443,533	444,465	518,729	342,747	371,189	397,172	424,974	454,722
Sewer transportation and treatment	2,565,036	2,587,791	2,846,442	3,045,067	3,184,063	2,803,214	3,227,000	3,388,350	3,557,768	3,735,656
Professional services	122,353	132,883	187,460	184,693	126,714	125,114	129,200	135,660	142,443	149,565
Total Expenses	4,570,104	4,443,567	4,920,244	5,114,309	5,486,557	5,160,424	5,885,681	6,268,161	6,677,442	7,115,538
<i>Percent Change</i>		-3%	11%	4%	7%	-6%	14%	6%	7%	7%

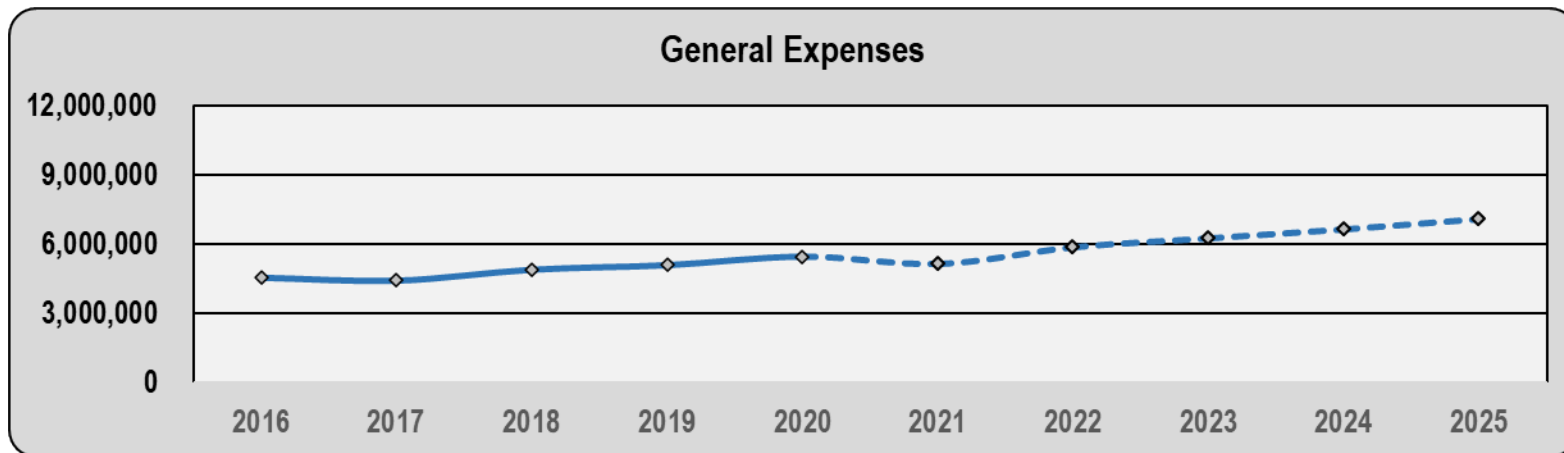


Figure 8

Cash Flow Analysis

Overview

It is essential for the City's management to know the amount of cash on hand and if cash reserves are growing or being depleted. Cash is necessary to pay for the utility's operational and maintenance needs as well as capital expenses to preserve its infrastructure, retain its staff, deliver services to customers, and maintain a healthy cash reserve. Therefore, it is essential to predict its anticipated expenditures and how much cash the utility expects to receive from its customers and other sources. Such an examination is called a Cash Flow Analysis.

Methodology

The Cash Flow Analysis is configured like a budget showing the amount of cash at the beginning of the fiscal year, the amount of income (including customer charges and other revenue sources), and general expenses. Adding income, subtracting expenses, and then adding developer contributions provides the amount of cash available for capital expenses or adding to the cash reserves. The City operates on an accrual accounting basis, so a reconciliation line is included. Still, it is difficult to project the accrual adjustment (reconciliation of operating income and expenses) for future years, so it is not included in the projected years. The cash at the end of one year becomes the amount of cash at the beginning of the next year.

Cash Flow Analysis – No Rate Increase

The Cash Flow Analysis is presented in **Figure 9**, showing the income sources, expenses, income less expenses, tap fees, capital improvements, the annual net gain (or loss), and the year-end cash amounts. The income sources include metered wastewater sales and services, sewer inspections and administrative charges, penalties, an operating private grant, and other revenue.

The Annual Net Gain (Loss) is calculated by adding Income Less Expenses to Tap Fees, and then subtracting Capital Improvements. The Capital Improvements include all the projects listed in the Five-Year Capital Improvement Plan.

Total Cash Ending on June 30 is calculated by adding Cash Beginning on July 1 of each year and the Annual Net Gain (Loss). MJSMD accounting is based on an accrual basis. Therefore, a reconciliation line item is needed to determine the cash flow amount. Since the reconciliation is unpredictable, it is not included for FY 2021-2025.

Cash Flow Recommendation

The final line, Cash Ending on June 30, includes restricted and unrestricted cash, and is projected to be \$6,130,246 for FY 2025. The general expenses amount for FY 2025 is \$7,115,538 and gives a projected ratio of cash to expenses of 0.86. It is recommended that the City maintain a ratio for cash to total expenses of at least 1.0. The depletion of cash in FY 2025 is primarily due to funding the \$10,000,000 equalization basin.

Figure 10 is a graphical representation of the Cash Flow Analysis.

Cash Flow Analysis - No Rate Increases										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Cash Beginning Jul 1	10,357,590	8,421,405	9,308,471	10,821,180	13,533,893	15,733,641	20,703,146	15,197,400	14,831,840	14,631,708
Income Sources										
Revenue	5,322,581	5,657,620	5,941,979	6,299,905	6,773,908	7,216,408	7,450,000	7,744,180	8,038,795	8,333,410
Other income	527,561	694,432	503,468	599,525	634,499	935,999	658,499	649,421	664,414	680,666
Total Income	5,850,142	6,352,052	6,445,447	6,899,430	7,408,407	8,152,407	8,108,499	8,393,601	8,703,209	9,014,076
Expenses										
General Expenses	4,570,104	4,443,567	4,920,244	5,114,309	5,486,557	5,160,424	5,885,681	6,268,161	6,677,442	7,115,538
Income Less Expenses	1,280,038	1,908,485	1,525,203	1,785,121	1,921,850	2,991,983	2,222,818	2,125,441	2,025,767	1,898,538
Tap Fees	1,984,621	1,934,902	1,451,140	2,497,600	2,000,586	3,496,323	1,850,000	1,500,000	1,500,000	1,500,000
Total Annual Cash	3,264,659	3,843,387	2,976,343	4,282,721	3,922,436	6,488,306	4,072,818	3,625,441	3,525,767	3,398,538
Capital Improvements	5,768,184	2,606,290	1,373,860	1,610,396	1,004,968	1,518,801	9,578,565	3,991,000	3,725,900	11,900,000
Annual Net Gain (Loss)	(2,503,525)	1,237,097	1,602,483	2,672,325	2,917,468	4,969,505	(5,505,747)	(365,559)	(200,133)	(8,501,462)
Year End Cash										
Reconciliation	567,340	(350,031)	(89,774)	40,388	(717,720)					
Cash Ending June 30	8,421,405	9,308,471	10,821,180	13,533,893	15,733,641	20,703,146	15,197,400	14,831,840	14,631,708	6,130,246

Figure 9

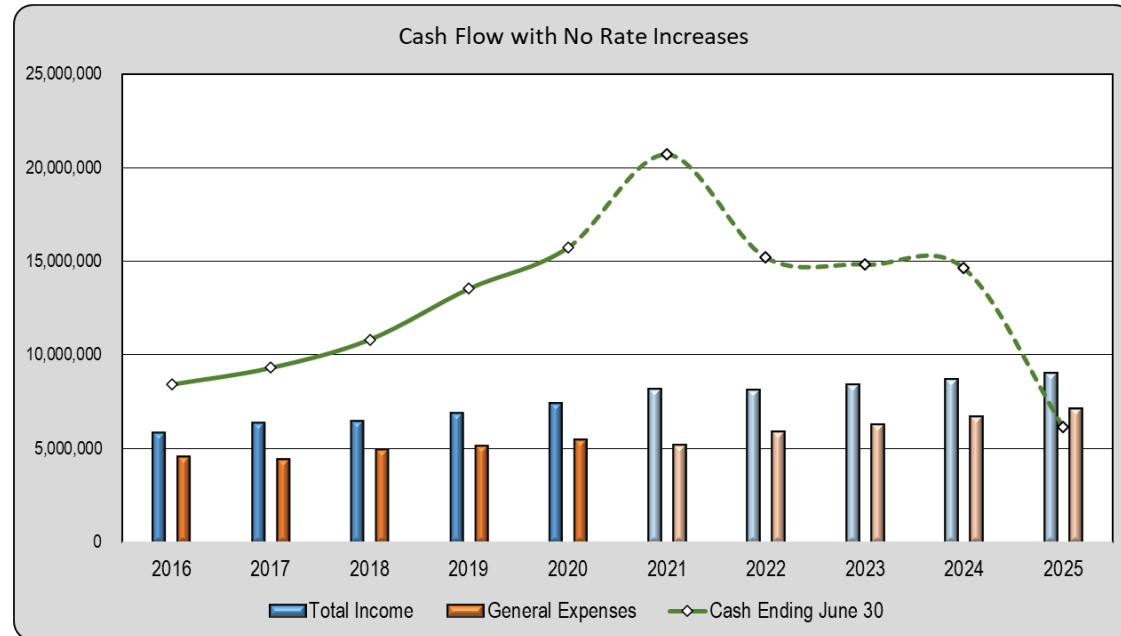


Figure 10

Change in Net Position Analysis

Overview

Net position is generally defined as assets less liabilities. The City's assets include all cash, land, and the "net value" of everything it owns, such as: pipes, wastewater tanks, pumps, electrical components, trucks, equipment, and other purchases necessary to the operation of the utility. The net value is defined as the original cost of a capital asset less its accumulated depreciation. Liabilities include items such as outstanding loans and bonds if the City should have the need for financing. Each year the change in net position varies because the amount of cash varies due to revenue and general expenses changing. Also, the net capital asset value changes because of new capital assets being purchased and depreciated, and possibly some capital assets being totally depreciated. The Change in Net Position is calculated in a section of the City's audit report called "Statement of Revenues, Expenses, and Changes in the Net Position." The Change in Net Position Analysis in this report contains the same data and information in that section of the audit report.

Methodology

The Change in Net Position Analysis is different from the Cash Flow Analysis in that it includes depreciation as an operating expense. However, it does not include capital expenses. Also, for purposes of financial statement review by the Tennessee Comptroller of the Treasury's Utility Management Review Board (WWFB), a Tennessee 2017 law required grants and contributions to be excluded (subtracted) from a utility's "financial statement" Change in Net Position to arrive at the "Statutory" Change in Net Position.

Change in Net Position – No Rate Increase

In **Figure 11** (Change in Net Position and chart), the Change in Net Position Analysis is calculated consistent the 2017 Law (which only excludes grants and contributions). The large increase in FY 2021 is due to lower Metro payments and an increase in other income, primarily from inspection payments from Amazon.

Requirement

As noted above, "Statutory" Change in Net Position is regulated by the WWFB. The City would be subject to actions by the WWFB if Change in Net Position (2017 Law) is negative for two consecutive years. Based on the above projections, the Change in Net Position (2017 Law) is projected to be negative for four years, FY 2022-2025, thus creating a situation where the City would be in violation of state law.

Other Considerations

The Change in Net Position Analysis is the analysis that generally controls the amount of rate increase needed. Annual budgets should be based on the "Statement of Revenues, Expenses, and Changes in the Net Position" format, except that grants and capital contributions should be subtracted to determine the "Statutory" Change in Net Position (2017 Law) as calculated by the Comptroller's office.

Change in Net Position - No Rate Increases										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Operating Revenue										
Revenue	5,322,581	5,657,620	5,941,979	6,299,905	6,773,908	7,216,408	7,450,000	7,744,180	8,038,795	8,333,410
Other Operating Revenue	439,940	623,831	424,616	472,154	490,375	810,496	539,500	555,685	572,356	589,526
Total Operating Revenue	5,762,521	6,281,451	6,366,595	6,772,059	7,264,283	8,026,904	7,989,500	8,299,865	8,611,151	8,922,936
Operating Expenses										
General Expenses	4,570,104	4,443,566	4,920,244	5,114,309	5,486,557	5,160,424	5,885,681	6,268,161	6,677,442	7,115,538
Depreciation	1,370,593	1,490,359	1,685,859	1,836,205	1,913,867	2,043,717	2,347,173	2,461,885	2,574,394	2,776,856
Total Expenses	5,940,697	5,933,925	6,606,103	6,950,514	7,400,424	7,204,141	8,232,854	8,730,046	9,251,836	9,892,394
Operating Income (Loss)	(178,176)	347,526	(239,508)	(178,455)	(136,141)	822,764	(243,354)	(430,181)	(640,686)	(969,458)
Non-operating Income (Expenses)										
Non-operating	96,678	79,663	86,568	121,433	162,093	125,502	119,000	93,810	92,138	91,222
Change in Net Position										
Change in Net Position (2017 Law)	(81,498)	427,189	(152,940)	(57,022)	25,952	948,266	(124,354)	(336,371)	(548,548)	(878,236)

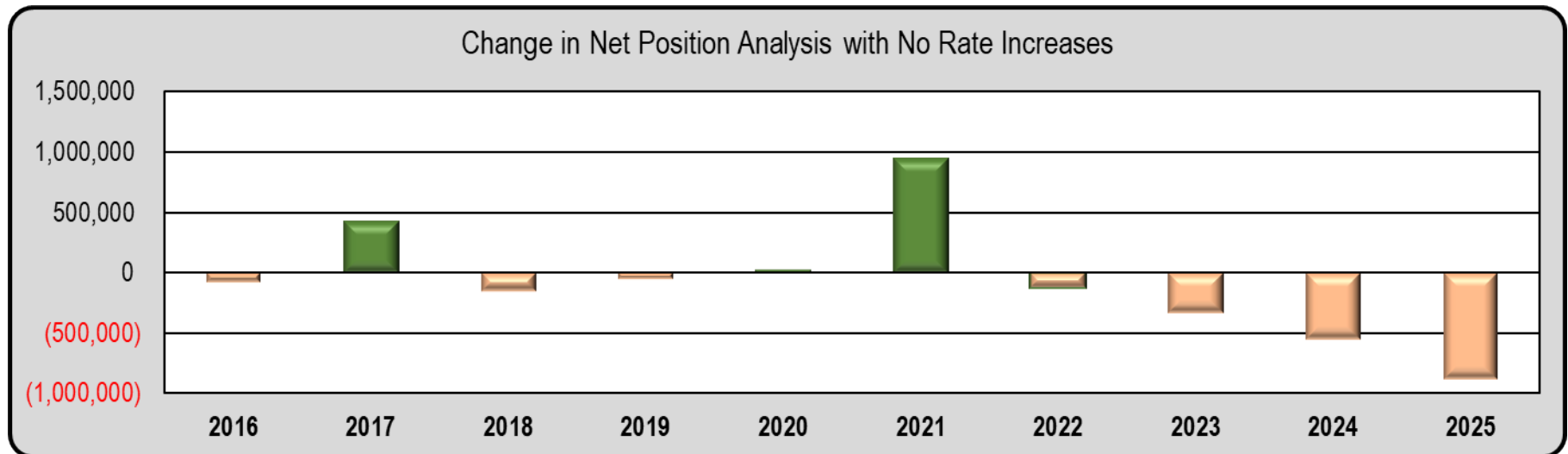


Figure 11

Rate Increase Recommendation

Cash Flow – with Recommended Rate Increases

Given that the above Change in Net Position Analysis projects several consecutive years of negative change in net position, there is a need for a rate increase. **Figure 12** shows the projected impact on Cash Flow by applying our recommended rate increases of 4% in FY 2021 and 2022, and by 3% for each of the FY 2024-2025. The rate increases improve the ratio of ending cash to the general expenses 1.29, which exceeds the recommended ratio of 1.0.

Cash Flow Analysis - With Rate Increases										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Cash Beginning Jul 1	10,357,590	8,421,405	9,308,471	10,821,180	13,533,893	15,733,641	20,703,146	15,495,400	15,761,765	16,478,441
Income Sources										
Revenue	5,322,581	5,657,620	5,941,979	6,299,905	6,773,908	7,216,408	7,748,000	8,376,105	8,955,604	9,562,333
Rate Increase							4%	4%	3%	3%
Other Income	527,561	694,432	503,468	599,525	634,499	935,999	658,499	649,421	664,414	680,666
Total Income	5,850,142	6,352,052	6,445,447	6,899,430	7,408,407	8,152,407	8,406,499	9,025,526	9,620,018	10,243,000
Expenses										
General Expenses	4,570,104	4,443,567	4,920,244	5,114,309	5,486,557	5,160,424	5,885,681	6,268,161	6,677,442	7,115,538
Income Less Expenses	1,280,038	1,908,485	1,525,203	1,785,121	1,921,850	2,991,983	2,520,818	2,757,366	2,942,576	3,127,461
Tap Fees	1,984,621	1,934,902	1,451,140	2,497,600	2,000,586	3,496,323	1,850,000	1,500,000	1,500,000	1,500,000
Total Cash	3,264,659	3,843,387	2,976,343	4,282,721	3,922,436	6,488,306	4,370,818	4,257,366	4,442,576	4,627,461
Capital Improvements	5,768,184	2,606,290	1,373,860	1,610,396	1,004,968	1,518,801	9,578,565	3,991,000	3,725,900	11,900,000
Annual Net Gain (Loss)	(2,503,525)	1,237,097	1,602,483	2,672,325	2,917,468	4,969,505	(5,207,747)	266,366	716,676	(7,272,539)
Year End Cash										
Reconciliation	567,340	(350,031)	(89,774)	40,388	(717,720)					
Cash Ending June 30	8,421,405	9,308,471	10,821,180	13,533,893	15,733,641	20,703,146	15,495,400	15,761,765	16,478,441	9,205,903

Figure 12

Figure 13 is a graphical representation of the combined Cash Flow using the recommended rate increases of 4% in FY 2022 and 2023, and 3% for each of the FY 2024 and 2025. The depletion of the ending cash in FY 2025 is due to the City using its own funds to finance the equalization basin.

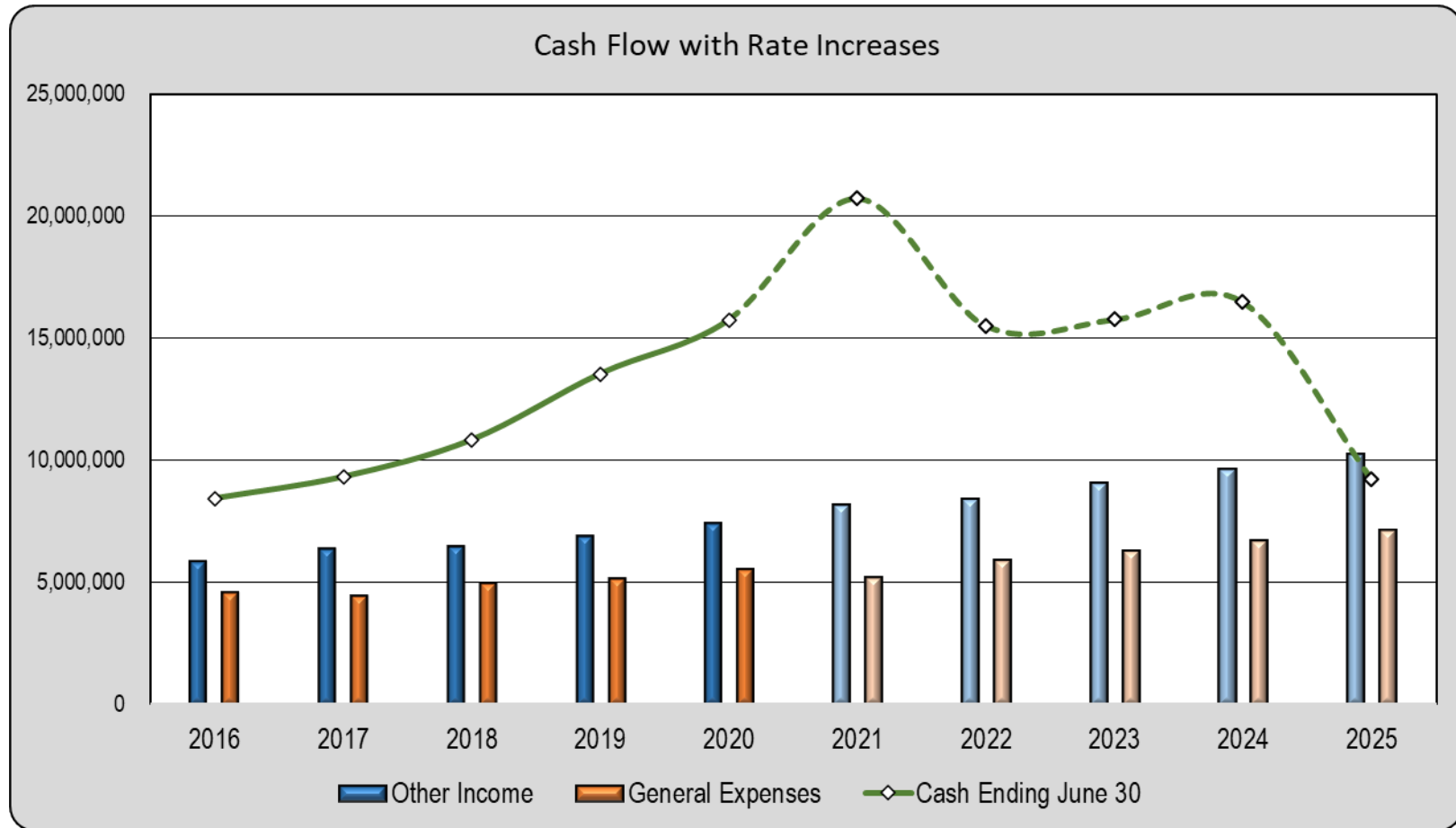


Figure 13

Change in Net Position – with Recommended Rate Increases:

Figure 14 shows the projected impact on Change in Net Position using the recommended rate increases.

Change in Net Position - With Rate Increases										
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Operating Revenue										
Revenue	5,322,581	5,657,620	5,941,979	6,299,905	6,773,908	7,216,408	7,748,000	8,376,105	8,955,604	9,562,333
Other Operating Revenue	439,940	623,831	424,616	472,154	490,375	810,496	539,500	555,685	572,356	589,526
Total Operating Revenue	5,762,521	6,281,451	6,366,595	6,772,059	7,264,283	8,026,904	8,287,500	8,931,790	9,527,959	10,151,859
Operating Expenses										
General Expenses	4,570,104	4,443,566	4,920,244	5,114,309	5,486,557	5,160,424	5,885,681	6,268,161	6,677,442	7,115,538
Depreciation	1,370,593	1,490,359	1,685,859	1,836,205	1,913,867	2,043,717	2,347,173	2,461,885	2,574,394	2,776,856
Total Expenses	5,940,697	5,933,925	6,606,103	6,950,514	7,400,424	7,204,141	8,232,854	8,730,046	9,251,836	9,892,394
Operating Income (Loss)	(178,176)	347,526	(239,508)	(178,455)	(136,141)	822,764	54,646	201,745	276,123	259,465
Non-operating Income (Expenses)										
Non-operating	96,678	79,663	86,568	121,433	162,093	125,502	119,000	93,810	92,138	91,222
Change in Net Position										
Change in Net Position (2017 Law)	(81,498)	427,189	(152,940)	(57,022)	25,952	948,266	173,646	295,554	368,261	350,688

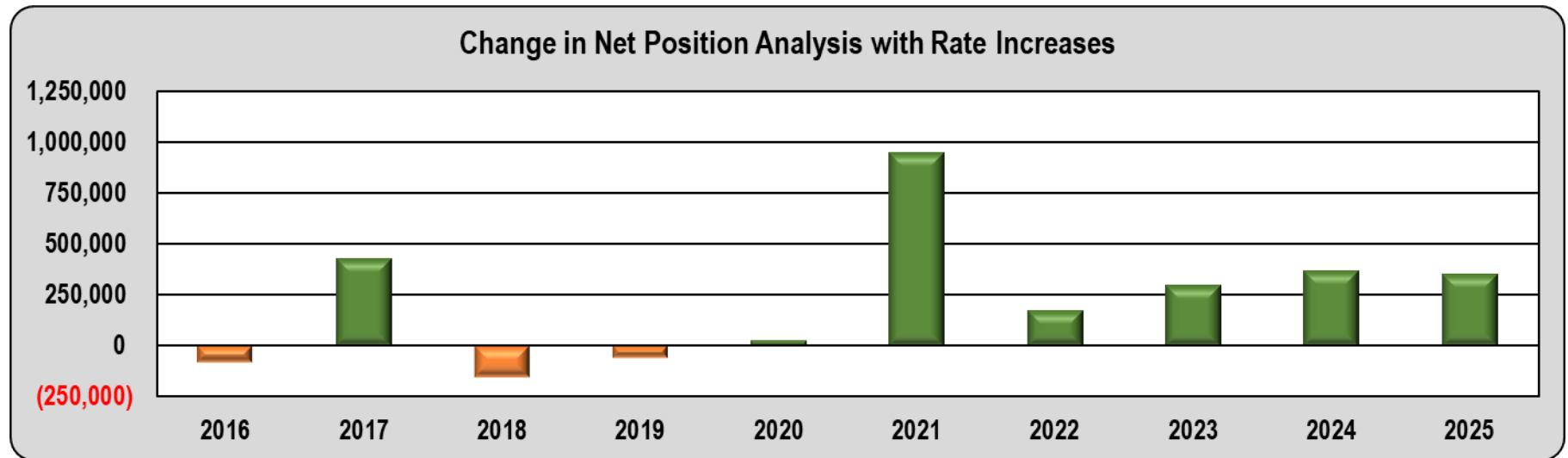


Figure 15

Other Considerations

Projections and estimates of revenue, expenses, capital expenses, and capital improvements to be made over the next five years are the basis for making recommendations for rate increases. The City should review annually the impacts of making these increases, particularly the "Change in Net Position" as presented in each annual audit and adjust, as necessary.

Cost of Service Analysis

Overview

A Cost of Service (COS) Analysis is a method used to distribute cost based on the level of service provided. The purpose of the COS is to determine a fair rate for each class of customer. The City's customer classes are as follows:

- Inside Residential
- Outside Residential
- Inside Commercial
- Outside Commercial

A COS Analysis was required in the order from the Water and Wastewater Financing Board to justify having differing rate classes.

Methodology

The COS Analysis proposed for this project involves the development of a Revenue Requirement, the identification of fixed and variable costs, and the use of appropriate percentages to estimate a fair distribution of such costs among all customer classes.

Revenue Requirement

The Revenue Requirement is defined as the total amount of cash needed to operate the system for a specific year. The year selected for this study is the year of the most recent audited financial statement. The revenue requirement formulation is based on the "Utility-Basis" approach similar the one presented in the AWWA M-1 Manual, which includes depreciation as an expense. However, the revenue requirement used is not an AWWA M-1 revenue requirement because it includes all income and expenses listed in the City's "Statement of Revenues, Expenses, and Changes in Net Position", as presented in the Change in Net Position Analysis in this report. The reason for using the Change in Net Position Analysis is that the State of Tennessee has laws regulating the Change in Net Position.

The Revenue Requirement is categorized into fixed costs and variable costs. Fixed costs are those costs unrelated to the costs of the collection system. Variable costs are those costs associated directly or indirectly with the collection system. The fixed costs are used to determine a service charge and is

used to calculate a minimum bill. The monthly service charge is calculated by dividing the annual total of fixed costs by the total number of customers, and then dividing by twelve.

Figure 16 shows the revenue requirement and the monthly service charge based on actual fixed costs and the total number of customers in FY 2020.

2020 Revenue Requirement					
	Cost	Fixed		Variable	
Administrative and accounting	\$ 518,729	100%	\$ 518,729	0%	\$ -
Sewer line and pump maintenance	\$ 1,218,835	0%	\$ -	100%	\$ 1,218,835
Sewer lift station operation	\$ 318,216	0%	\$ -	100%	\$ 318,216
Sewer transportation and treatment	\$ 3,184,063	0%	\$ -	100%	\$ 3,184,063
Professional services	\$ 126,714	0%	\$ -	100%	\$ 126,714
Fats, Oils, Grease Program	\$ 120,000	0%	\$ -	100%	\$ 120,000
Depreciation	\$ 1,913,867	20%	\$ 382,773	80%	\$ 1,531,094
Non-operating	\$ (162,093)	50%	\$ (81,046)	50%	\$ (81,046)
Change in Net Position (2017 Law)	\$ 25,952	50%	\$ 12,976	50%	\$ 12,976
Less Other Income	\$ (490,375)	50%	\$ (245,188)	50%	\$ (245,188)
Revenue Requirement	\$ 6,773,908		\$ 588,244		\$ 6,185,664
		Total Customers	11,887		
		Service Charge	\$4.12		

Figure 16

Factors used to Distribute Variable Costs

Determining an appropriate unit rate (i.e., per 1,000 gallons) for each customer class requires distributing the variable costs identified in the Revenue Requirement. To perform this distribution, several different percentages (of total customers, usage, and revenue) for each class must first be determined, as shown in **Figure 17**.

2020 Customer Class Data						
Customer Class	Customers	% of Total	Usage (MGY)	% of Total	Revenue	% of Total
Inside Residential	10,630	89.4%	620	70.6%	\$4,012,254	59.2%
Outside Residential	576	4.8%	29	3.4%	\$ 257,873	3.8%
Inside Commercial	675	5.7%	225	25.7%	\$2,460,678	36.3%
Outside Commercial	7	0.1%	3	0.4%	\$ 43,104	0.6%
Total	11,887	100%	878	100.0%	\$6,773,908	100%

Note: MGY = Million Gallons Per Year

Figure 17

Distribution of Variable Cost to Customer Classes

Figure 18 shows how the percentages are used to distribute each variable cost amount among the four different wastewater customer classes:

Distribution of Variable Wastewater Costs (No Rate Increases)											
	Sewer Line and Pumps	Lift Station Operation	Transportation and Treatment	Professional Services	FOG Program	Deprec.	Outside Deprec.	Non-operating	Change in Net Position	Less Other Inc	Total
Annual Cost	1,218,835	318,216	3,184,063	126,714	120,000	1,472,324	58,770	(81,046)	12,976	(245,188)	6,185,664
Percent Distribution for Variable Costs											
Customer Class	Sewer Line and Pumps	Lift Station Operation	Transportation and Treatment	Professional Services	FOG Program	Deprec.	Outside Deprec.	Non-operating	Change in Net Position	Less Other Inc	
Inside Residential	70.6%	55.9%	70.6%	70.6%		70.6%		59.2%	70.6%	89.4%	
Outside Residential	3.4%	3.4%	3.4%	3.4%		3.4%	99.0%	3.8%	3.4%	4.8%	
Inside Commercial	25.7%	35.0%	25.7%	25.7%	98.0%	25.7%		36.3%	25.7%	5.7%	
Outside Commercial	0.4%	5.7%	0.4%	0.4%	2.0%	0.4%	1.0%	0.6%	0.4%	0.1%	
Cost Distribution for Variable Costs											
Customer Class	Sewer Line and Pumps	Lift Station Operation	Transportation and Treatment	Professional Services	FOG Program	Deprec.	Outside Deprec.	Non-operating	Change in Net Position	Less Other Inc	Total
Inside Residential	860,665	178,019	2,248,385	89,477		1,039,662		(48,005)	9,163	(219,248)	4,158,118
Outside Residential	40,882	10,711	106,798	4,250		49,384	58,182	(3,085)	435	(11,876)	255,681
Inside Commercial	312,728	111,402	816,964	32,512	117,600	377,768		(29,441)	3,329	(13,919)	1,728,943
Outside Commercial	4,561	18,084	11,916	474	2,400	5,510	588	(516)	49	(144)	42,921
Total	1,218,835	318,216	3,184,063	126,714	120,000	1,472,324	58,770	(81,046)	12,976	(245,188)	6,185,664

Figure 18

Figure 19 shows the calculated rate per 1,000 gallons for the four customer classes:

Rate Determination for Variable Costs			
Customer Class	Revenue Required	Usage (MGY)	Rate Per 1,000 Gal.
Inside Residential	\$ 4,158,118	620	\$6.71
Outside Residential	\$ 255,681	29	\$8.68
Inside Commercial	\$ 1,728,943	225	\$7.68
Outside Commercial	\$ 42,921	3	\$13.07
Total	\$ 6,185,664		

Figure 19

Development and Design of Rate Schedules

Figures 20a, 20b, 20c and 20d show the impact of changing the City’s rate schedule based on the COS for each customer class and after applying the recommended rate increase of 4% in FY2022. Because the rate structure is changing the minimum bill and the cost per 1,000 gallons, it is difficult to estimate the overall percentage change that each customer class will receive relative to the cost of service calculations. Some customers will notice a decrease in the amount they pay, and others will see an increase. The rates for FY 2022 are shown twice: first, to reflect the changes resulting from the COS with no rate increase; and second, to show the combined impact of the recommended COS with the 4% increase.

Inside City Residential					
Current Rates		Cost of Service (COS) Rates		2022 COS + 4% Rate Increase	
Gallons	Minimum	Minimum	Difference	Minimum	Difference
First	2,000	\$15.76	\$17.54	\$18.24	\$2.48
		<u>Per 1,000 gal</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>
Over	2,000	\$7.72	\$6.71	\$6.98	(\$0.74)
Water Sold	Current				
<u>Gallons</u>	<u>Monthly Charge</u>	<u>Monthly Charge</u>	<u>Difference</u>	<u>Monthly Charge</u>	<u>Difference</u>
2,000	\$15.76	\$17.54	\$1.78	\$18.24	\$2.48
5,000	\$38.92	\$37.67	(\$1.25)	\$39.17	\$0.25
10,000	\$77.52	\$71.21	(\$6.31)	\$74.06	(\$3.46)
15,000	\$116.12	\$104.76	(\$11.36)	\$108.95	(\$7.17)

Figure 20a

Outside City Residential						
Current Rates			Cost of Service (COS) Rates		2022 COS + 4% Rate Increase	
Gallons		Minimum	Minimum	Difference	Minimum	Difference
First	2,000	\$19.70	\$21.49	\$1.79	\$22.35	\$2.65
		<u>Per 1,000 gal</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>
Over	2,000	\$9.66	\$8.68	(\$0.98)	\$9.03	(\$0.63)
Water Sold		Current				
<u>Gallons</u>		<u>Monthly Charge</u>	<u>Monthly Charge</u>	<u>Difference</u>	<u>Monthly Charge</u>	<u>Difference</u>
2,000		\$19.70	\$21.49	\$1.79	\$22.35	\$2.65
5,000		\$48.68	\$47.55	(\$1.13)	\$49.45	\$0.77
10,000		\$96.98	\$90.97	(\$6.01)	\$94.61	(\$2.37)
15,000		\$145.28	\$134.39	(\$10.89)	\$139.77	(\$5.51)

Figure 20b

Inside City Commerical						
Current Rates			Cost of Service (COS) Rates		2022 COS + 4% Rate Increase	
Gallons		Minimum	Minimum	Difference	Minimum	Difference
First	2,000	\$22.23	\$19.48	(\$2.75)	\$20.26	(\$1.97)
		<u>Per 1,000 gal</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>
Over	2,000	\$10.76	\$7.68	(\$3.08)	\$7.98	(\$2.78)
Water Sold		Current				
<u>Gallons</u>		<u>Monthly Charge</u>	<u>Monthly Charge</u>	<u>Difference</u>	<u>Monthly Charge</u>	<u>Difference</u>
2,000		\$22.23	\$19.48	(\$2.75)	\$20.26	(\$1.97)
5,000		\$54.51	\$42.51	(\$12.00)	\$44.21	(\$10.30)
10,000		\$108.31	\$80.90	(\$27.41)	\$84.13	(\$24.18)
50,000		\$538.71	\$387.98	(\$150.73)	\$403.50	(\$135.21)

Figure 20c

Outside City Commerical						
Current Rates			Cost of Service (COS) Rates		2022 COS + 4% Rate Increase	
Gallons		Minimum	Minimum	Difference	Minimum	Difference
First	2,000	\$27.79	\$30.26	\$2.47	\$31.47	\$3.68
		<u>Per 1,000 gal</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>	<u>Per 1,000 gal.</u>
Over	2,000	\$13.45	\$13.07	(\$0.38)	\$13.59	\$0.14
Water Sold		Current				
<u>Gallons</u>		<u>Monthly Charge</u>	<u>Monthly Charge</u>	<u>Difference</u>	<u>Monthly Charge</u>	<u>Difference</u>
2,000		\$27.79	\$30.26	\$2.47	\$31.47	\$3.68
5,000		\$68.14	\$69.46	\$1.32	\$72.24	\$4.10
10,000		\$135.39	\$134.79	(\$0.60)	\$140.19	\$4.80
50,000		\$673.39	\$657.48	(\$15.91)	\$683.78	\$10.39

Figure 20d

Comparison with Other Utilities

Figure 21 shows a comparison with similar utilities of a monthly wastewater bill for a Residential Inside City customer with 5,000 gallons of usage.

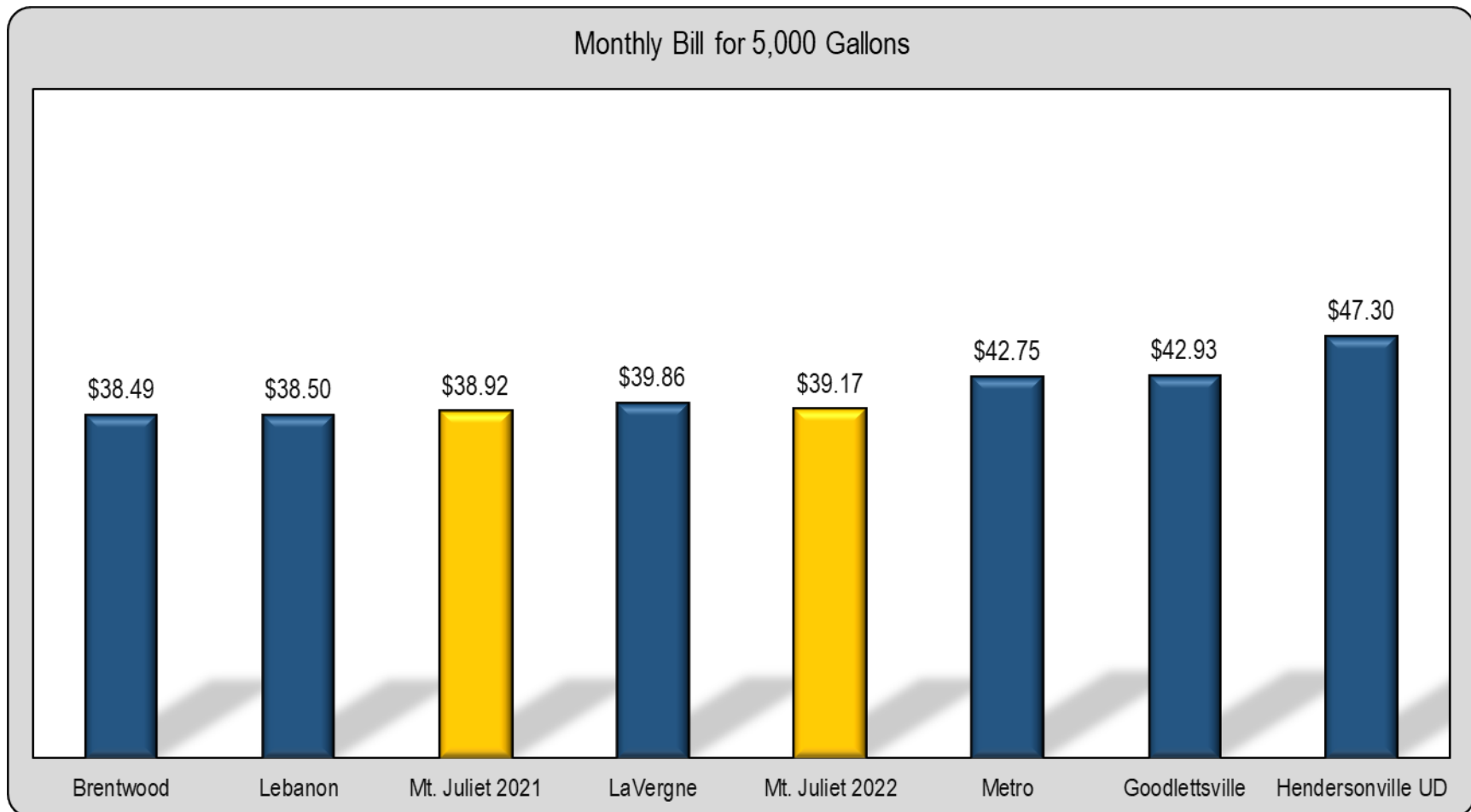


Figure 21

System Development Charge Analysis (Tap Fee)

Overview

A System Development Charge (SDC) is a one-time charge paid by new customers to access the wastewater system. Basically, a potential customer is “buying” available capacity within the wastewater system. The SDC does not include the cost of making the actual connection to the main lines; that is an additional charge. It is recommended that the City develop a policy such that a new customer would reimburse the City for actual labor, equipment, and materials needed for making the connection.

The fundamental formula for calculating an SDC is to divide the total system asset cost plus the Capital Improvement Plan (less depreciation) by the System’s Capacity in gallons per day and then multiply that amount by the New Customer Capacity Demand in gallons per day. **Figure 22** shows the recommended SDC.

System Development Charge (SDC) - Wastewater System		
Capital Assets with the CIP	\$86,755,736	
System Capacity	8,000,000	gal per day
Assets per capacity	\$10.84	per gal per day
Single Family Unit (SFU)	350	gal per day
	10,500	gal per month
System Development Charge	\$3,800	per SFU

Figure 22

Tenn. Code Ann. § 68-221-1010

Current through the 2019 Regular Session

§ 68-221-1010. Facilities with earnings or operating deficit or operating in default.

(a)

(1) Within sixty (60) days from the time that an audit of a water system or wastewater facility is filed with the comptroller of the treasury, the comptroller of the treasury, shall file with the board the audited annual financial report of any water system or wastewater facility that has a deficit total net position in any one (1) year, has a negative change in net position for two (2) consecutive years or is currently in default on any of its debt instruments. For purposes of this section, “change in net position” means total revenues less all grants, capital contributions, and expenses, but without reduction for any excluded non-cash items. For purposes of this section, “excluded non-cash items” means any non-cash charges arising from changes to or the implementation of pension and other post-employment benefit standards promulgated by the governmental accounting standards board.

(2) Notwithstanding any other law to the contrary, a government joint venture that supplies or treats water or wastewater for wholesale use only to other governments shall not fall under the jurisdiction of the water and wastewater financing board for the purpose of reporting negative change in the net position annually, but must be referred to the board if the government joint venture is in a deficit or default position as provided herein.

(b)

(1) Within sixty (60) days from the receipt of the audited annual financial report filed by the comptroller of the treasury, the board shall schedule a hearing to determine whether the water system or wastewater facility described in the report is likely to continue in a deficit position. In reaching its determination, the board shall consider current user rates charged by the water system or wastewater facility, the size of the facility and the local government served by it, the quality of the facility's operation and management, and other relevant criteria.

(2) Upon a determination that the water system or wastewater facility is likely to remain in a deficit position, the board may order the management of the water system or wastewater facility to adopt and maintain user rate structures necessary to:

(A) Fund operation, maintenance, principal and interest obligations and adequate depreciation to recover the cost of the water system or wastewater facility over its useful life;

(B) Liquidate in an orderly fashion any deficit in total net position; and

(C) Cure a default on any indebtedness of the water system and wastewater facility.

(3) Any such order shall become final and not subject to review unless the parties named therein request by written petition a hearing before the board, as provided in §§ 68-221-1007 — 68-221-1013, no later than thirty (30) days after the date such order is served. Any hearing or rehearing provided by §§ 68-221-1007 — 68-221-1013 shall be brought pursuant to the Uniform Administrative Procedures Act, compiled in title 4, chapter 5, part 3. Such hearing may be conducted by the board at a regular or special meeting by any member or panel of members as designated by the chair to act on its behalf, or the chair may designate an administrative judge who shall have the power and authority to conduct hearings in the name of the board to issue initial orders pursuant to the Uniform Administrative Procedures Act.

(c) In the event a water system and wastewater facility fails to adopt user rate structures pursuant to a final order of the board, the board may petition the chancery court in a jurisdiction in which the water system and wastewater facility is situated or in the chancery court of Davidson County to require the adoption of the user rate structures ordered by the board or to obtain other remedial action, which, in the discretion of the court, may be required to cause the water system and wastewater facility to be operated in a financially self-sufficient manner.

(d)

(1) Within sixty (60) days from the time that an audit of a water system is filed with the comptroller of the treasury, the comptroller of the treasury shall file with the board the audited annual financial report of any water system whose water loss as reported in the audit is excessive as established by rules promulgated by the board. Failure of the water system to include the schedule required in this section constitutes excessive water loss and the water system shall be referred to the water and wastewater financing board.

(2) In the event a water system fails to take the appropriate actions required by the board to reduce the water loss to an acceptable level pursuant to § 68-221-1009(a)(7), the board may petition the chancery court in a jurisdiction in which the water system is operating to require the water system to take such actions.

(3) By February 1 of each year, the comptroller of the treasury shall provide a written report to the speaker of the house of representatives and the speaker of the senate listing the average annual water loss contained in the annual audit for those utility systems described in § 68-221-1007.



JASON E. MUMPOWER
Comptroller

Entity Referred: **Town of Newbern**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

Mr. Keith Wilkins completed a rate study for the Town. Mr. Wilkins found that no financial adjustments were needed as the City’s 2020 audit showed that it there was a positive change in net position. Mr. Wilkins also found that no other recommendations were needed regarding the Board’s previous directives, particularly, Mr. Wilkins found that the rates charged to customers in the “rural water” rate class needed no adjustments. Board staff is comfortable with the City’s financial trajectory at this time, but recommends monitoring its progress through biannual financial updates.

Staff Recommendation

Order the following:

1. The Town shall send financial updates to Board staff by March 1st and September 1st of each year, beginning March 1, 2022, until the Board releases the Town from its oversight.

W. Keith Wilkins
(615) 417-1484 (cell)
wilkins_keith@msn.com
218 Williamsburg Circle
Brentwood, TN 37027-5161

August 2, 2021

Mr. Jason Roberts
City Recorder
103 Jefferson Street
P. O. Box 460
Newbern, TN 38059
(731) 627-3221

Submitted By Email

Subject: Order issued December 3, 2020, by the
Tennessee Water and Wastewater Financing Board (“Water Board”)

Dear Mr. Roberts:

Pursuant to the engagement letter dated December 17, 2020 between the City of Newbern, TN (“Newbern”) and myself, I have finally completed my work in performing a Rate Study and in reviewing, analyzing and evaluating the specific issues addressed in the above mentioned Order by the Water Board. I must apologize again for not being able to complete the engagement by the due date specified in the engagement letter. As we have discussed, I was physically incapacitated and not able to perform the work until recently. I certainly appreciate your understanding in this matter.

BACKGROUND

Newbern maintains five (5) major funds as follows:

General Governmental Fund - Governmental Activities
Electric Enterprise Fund – Electric Distribution Activities
Natural Gas Enterprise Fund – Natural Gas Distribution Activities
City Water & Sewer Enterprise Fund – Water and Sewer Production & Distribution Activities
Rural Water Enterprise Fund – Water Distribution Activities

The Management’s Discussion & Analysis in Newbern’s audit for fiscal year 2020 explains the purpose of a fund as follows:

“A fund is a grouping of related accounts that is used to maintain control over resources that have been segregated for specific activities or objectives. The City of Newbern, like other state and local governments, uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements. ...”

Rate Studies are performed individually for each of Newbern’s Enterprise Funds using the financial and operating information specifically related to that utility activity.

REVENUE AND COST ITEM ALLOCATION AMONG FUNDS

Most revenue and cost items are exclusive to a fund and are directly assigned to that fund. My first step in a Rate Study, for a governmental entity with multiple funds, is to review, analyze and evaluate the revenue and cost items allocated to the funds for reasonableness.

I must note initially, Newbern's Electric Distribution Activities are subject to regulation by TVA. TVA determines the percentage of each cost item subject to allocation to the Electric Fund. For each cost item subject to allocation to the Electric Fund, TVA authorizes an equal or higher allocation percentage than Newbern would normally apply to TVA. Therefore, Newbern makes the allocation to TVA first and then allocates the remainder of the cost to the appropriate funds.

Newbern identifies individual revenue or cost items which should be shared among multiple funds and then splits the revenue or cost among the appropriate funds. Following are the allocation percentages used by Newbern to assign identified revenues and costs among funds:

- 20% - costs split between General, Electric, Natural Gas, City Water & Sewer, and Rural Water
- 25% - costs split between Electric, Natural Gas, City Water & Sewer, and Rural Water
- 33% - costs split between Natural Gas, City Water & Sewer and Rural Water
- 50% - costs split between City Water & Sewer and Rural Water

My review, analysis, and evaluation of a sample of significant revenue and cost items allocated to the City Water & Sewer and Rural Water Funds were reasonable and I have no recommended changes to Newbern's fund allocation procedures.

DETERMINE REVENUE REQUIREMENT

My second step in a Rate Study is to determine the total amount of revenue that should be recovered in rates based on cost of service. The revenue requirement is determined on a cash flow basis. Simply stated, rate revenue should be the total of:

1. Operation & Maintenance Expense
2. Taxes
3. Less: Non-Rate Revenue
4. Recurring Capital Additions
5. Debt Service
6. + or - Maintenance of Operating Fund Balances

The City Water & Sewer revenue requirement determination is shown in Exhibit 1, page 2, line 1 continuing to page 4, line 25. The Rural Water revenue requirement determination is shown in Exhibit WKW-2, page 1, line 10 continuing to page 2, line 37.

Mr. Jason Roberts

August 2, 2021

Page 3 of 7

Newbern provide me with actual financial data for 12 months ended May 2021 which was the most recent financial data available which is shown in column (2) of Exhibit 1 and 2. I then made known and measurable changes to the actual data to determine a “Test Year” for ratemaking purposes. Since I am setting rates for the future, I need to have revenue requirement data reflective of the future.

The known and measurable changes required were as follows:

1. Elimination of prior year audit adjustments included in the 12 months ended May 2021 data. (Primarily related to debt refinancing.)
2. Add water and sewer tap expense amounts from work order data not yet closed.
3. Add 1 month of depreciation that had not been closed for the 12-month period.
4. Adjust interest expense and reduction in outstanding debt balance to current annual debt service amounts
5. Add amortization of Debt Discount and Premium resulting from recent debt financing.
6. Used maximum annual (6/30/29) debt service in the debt service coverage ratio
7. I separated the Construction Work In Progress (“CWIP”) for the new office building to separately identify recurring and non-recurring capital expenditures. The new office building is a non-recurring capital expenditure. Financing for the new office building will be discussed subsequently in this report.

Column (4) shows the adjusted Test Year data representative of future revenue requirements for City Water & Sewer and Rural Water in each of Exhibits 1 and 2, respectively.

SPECIFIC ISSUES ADDRESSED BY WATER BOARD ORDER

1. Assessment of “financially stressed status” of City Water & Sewer activities:

The City Water & Sewer Fund is not in financial distress. The current City Water & Sewer Fund rates are sufficient to recover the cost-of-service expenses, to pay recurring capital additions, to pay principal and interest on existing debt (with adequate coverage ratio on maximum debt service) and to maintain operating fund & temporary investment balances necessary for cash working capital management, debt management and risk management purposes.

I compared the current City Water revenue requirement in Exhibit 1 to the 2014 cost of service. See Exhibit 3. It was uncanny how close this Test Year is to the 2014 cost of service study. Comparing the two documents, the revenue requirements, the number of customers and the usage is almost the same. After some review, analysis, and evaluation, it is my opinion that the current rates do not need to be changed—either in total or between base and usage components of the rates.

I also compared the current City Sewer revenue requirement in Exhibit 1 to the 2014 cost of service. See Exhibit 3. Comparing the two documents, the number of customers is almost the same, but the usage has gone down from the level in the 2014 cost of service. After some reviewing the actual underlying cost to be recovered by the usage charge, the cost had gone down by the same amount the revenue went down. Therefore, the current usage rate is tracking the variable cost the usage rate was designed to recover very well.

It is my opinion that the current rates do not need to be changed—either in total or between base and usage components of the rates.

2. Assessment of lack of justification for a separate rate class for Rural Water customers:

Separate rates for Rural Water customers are cost justified.

It is generally acknowledged, industry wide, that the cost of serving Rural Water customers is greater than the cost of serving customers inside the city limits due to the extensive water main system required to serve a substantially larger area and the low density of the number of customers receiving service from those mains. As discussed in the initial paragraphs of this report, actual costs are separately identified and/or assigned to the operation of the Rural Water Fund proves the industry norm by result in a higher cost per customer than City Water rates.

The negative cash flow shown in Exhibit 2 is a function of Newbern's decision to pay for its share of the new office building out of existing operating funds. Once this non-recurring capital expenditure goes away, the rates will resume producing a positive cash flow. This will be discussed in more detail relative to the debt management policy.

The Rural Water Fund is not in financial distress. The current Rural Water rates are sufficient to recover the cost-of-service expenses, to pay recurring capital additions, to pay principal and interest on existing debt (with adequate coverage ratio on maximum debt service) and to maintain operating fund & temporary investment balances necessary for cash working capital management, debt management and risk management purposes.

I compared the current Rural Water revenue requirement in Exhibit 2 to the 2014 cost of service. See Exhibit 3. It was uncanny how close this Test Year is to the 2014 cost of service study. Comparing the two documents, the revenue requirements, the number of customers and the usage is almost the same. After additional review, analysis, and evaluation, it is my opinion that the current rates do not need to be changed—either in total or between base and usage components of the rates.

3. A review, analysis, and evaluation of Newbern's capitalization policy

See Exhibit 4, Capitalization Policy excerpted from audit of City of Newbern, TN for Fiscal Year Ended June 30, 2020.

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I do not recommend any change to the capitalization policy as stated in the audit of City of Newbern, TN.

4. A review, analysis, and evaluation of Newbern's debt management policy

Newbern recently refunded all but one of City Water & Sewer and Rural Water outstanding debt obligations resulting in a Net PV debt service savings of \$554,100 over the life of the refunded debt.

City Water & Sewer and Rural Water are currently paying the capital expenditures for the new office building by appropriately utilizing currently available operating fund balances as shown in Exhibits 1 and 2.

The amount of capital expenditures that are incurred every year for items such as renewals and replacements are paid annually from Rate Revenue by City Water and Sewer and Rural Water.

Newbern is currently negotiating a contract for installation of an AMI system to be used by its 4 enterprise funds. City Water & Sewer and Rural Water will be assigned 25% each of the cost of the AMI system. Newbern plans to pay for the City Water & Sewer and Rural Water share of the cost with funds received through the Cares Act.

5. A review, analysis and evaluation of Newbern's water and sewer fees

This is a list of non-rate revenue charges shown on Exhibits 1 and 2:

Water Sales to Rural Water - \$0.20 per hundred gallons-verified wholesale rate

Pretreatment Revenue - vendor invoice passthrough

Sewer Fine – Admin Order - vendor invoice passthrough

Forfeited Discount – the discount rate for all bills is 5%-see Exhibit 5 policy

Other Water Revenue-vendor refunds

City Water Tap Fee-see Exhibit 6 for fee structure-work order expense is on p. 3 of Exhibit 1

Sewer Tap Fee - see Exhibit 6 for fee -work order expense is on page 3 of Exhibit 1

Rural Water Overhead Fee- I RECOMMEND THAT THIS FEE BE ELIMINATED
(\$537 per month)

Rural Water Tap Fee – see Exhibit 6 for fee structure-work order expense page 2 of Exhibit 2

Miscellaneous Revenue – rural reconnect fees see Exhibit 6 for fee structure

911 Revenue – revenue received for the use of part of a building by 911 service-building is safe room/boardroom/meeting room/etc. and is financed by all major funds

Newbern prepares a work order for each water and sewer Tap and records the materials, payroll, and overhead cost of each Tap. My review of those work orders shows that the tap fees are reasonable relative to the underlying costs. Newbern also provided me with a survey of Tap fees for surrounding utilities which supported Newbern's existing Tap fees.

I conducted a survey of West Tennessee water and sewer utilities with respect to rural water reconnect fees. Rural Water reconnect fees are comparable to surrounding reconnect fees.

Newbern provided me with a statement as to how it determines fees on an on-going basis:

“We periodically review our fees to see if our structure is fair to our customers and adequately recovers our costs. We look at each service provided and calculate our labor and material costs. We also poll surrounding systems to see if we are in line with their charges. Our intention is to not use fees to generate revenue but to recoup our expense and provide the requested service. We review our fee schedule periodically to make sure our costs are being recovered.”

I do not have any recommendations with respect to changes to water and sewer fees.

6. A review, analysis, and evaluation of the justification for Newbern’s differing water and sewer rate classes

Historic nomenclature for rate classes (residential, commercial, industrial, etc.) is no longer used to designate rate classes by Rural Water and City Water & Sewer Funds for ratemaking purposes. Rate classes are now designate by “Rural Water”, “City Water”, “meter size” and “City Sewer”. However, the statistical billing data received and reported by Newbern still reflects the historic nomenclature for customer classes.

Rural Water and City Water & Sewer are distribution utilities. Distribution utility systems are a function of the number of customers on the system, the size of customers on the system and the customer density on the system. Distribution utility costs don’t generally vary much due to various levels of usage. Therefore, distribution rates are designed to recover fixed costs with a customer charge and variable costs with a usage charge.

Reviewing Exhibit 7, page 2, lines 1 through 3, the rates applicable to Rural Water customers are listed. The differential between the Base charges by meter size is a function of the flow area of each meter size. (see Exhibit 7, page 3) Experience has shown this to be the best alternative for properly trancing fixed cost. Each Rural Water customer is assigned a rate solely based on the size of the meter serving the customer. From a rate design perspective, the Base charge per bill recovers fixed cost and the Usage charge recovers variable cost from the customer. The primary reason the rates are higher for the Rural Water customers than the City Water customers is the lower density of the number of customers on the Rural Water distribution system. The Rural Water service territory is spread over a significantly larger area with fewer customers per mile of main, significantly increasing the cost to serve the Rural Water customers above the cost to serve City Water customers.

Earlier in the report I discussed how cost of service elements were directly assigned or allocated among funds. After the cost-of-service elements are directly assigned or allocated to the City Water and Sewer Fund, they are further subdivided between Water & Sewer. Most operation and maintenance costs are directly assignable to Water or Sewer. Common

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Administrative and General accounts are then allocated between Water & Sewer based on the total of directly assigned operation and maintenance costs. This provides the basis for calculating separate City Water & Sewer rates.

Reviewing Exhibit 7, page 1, lines 1 through 8, the rates applicable to City Water customers are listed. The differential between the Base charges by meter size is a function of the flow area of each meter size. (see Exhibit 7, page 3) Experience has shown this to be the best alternative for properly tracing fixed cost. Each City Water customer is assigned a rate solely based on the size of the meter serving the customer. From a rate design perspective, the Base charge per bill recovers fixed cost and the Usage charge recovers variable cost from the customer.

Reviewing Exhibit 7, page 1, line 9, the rate applicable to all City Sewer customers (except a very few fixed billing and metered customers) is listed. Since the City Sewer customers subject to this rate are all the same, they all pay the same customer charge and variable charge. Again, the Base charge per bill recovers fixed cost and the Usage charge recovers variable cost from the customer.

7. A review, analysis, and evaluation of Newbern's five-year capital asset budget

Newbern does not maintain a 5-year capital asset budget. As I indicated earlier in the report, the City Water and Rural Water has hardly change in customers and usage since 2014.

The only know large capital expenditure on the 5-year time horizon that Newbern is aware of is for an Advanced Metering Infrastructure ("AMI") System which is currently priced at \$2,182,635.78. As mentions in the debt management policy issue discussion, Newbern plans to pay for the City Water & Sewer and Rural Water share of the cost (25% each) with funds receive through the Cares Act by Newbern.

8. A review, analysis, and evaluation of Newbern's water leak policy

See Exhibit 8, Water Leak Adjustment

I do not recommend any changes to the water leak adjustment policy.

If you or the Water Board have any questions or need any additional information, please do not hesitate to contact me.

Thank you for this opportunity to work with the City of Newbern in this matter.

Respectfully submitted,

W. Keith Wilkins

**City Water and Sewer
Cash Flow**

		City of Newbern, TN			
		City Water & Sewer Revenue Requirement			
a/c no.	Line No.	Item	Actual 12 Mos May-21	Known & Measurable Changes	Test Year 12 Mos May-21
		(1)	(2)	(3)	(4)
	1	Rate Revenue:			
440.10	2	Residential Sales_Water	283,669		283,669
442.10	3	Comm Sales_Water	90,842		90,842
442.20	4	Ind Sales_Water	<u>94,010</u>		<u>94,010</u>
	5	Total Retail Water Rate Revenue	468,521	-	468,521
440.11	6	Residential Sales_Sewer	634,741		634,741
442.11	7	Comm Sales_Sewer	113,787		113,787
442.21	8	Ind Sales_Sewer	109,960		109,960
	9	Hillshire Farms	<u>593,324</u>		<u>593,324</u>
	10	Total Retail Sewer Rate Revenue	<u>1,451,812</u>	-	<u>1,451,812</u>
	11	Total Rate Revenue	1,920,334	-	1,920,334
	12	Non-Rate Revenue:			
456.10	13	Whlse Sales to Rural Water	220,363		220,363
419.10	14	Interest Income_Water	9,020		9,020
419.11	15	Interest Income_Sewer	1,645		1,645
444.00	16	Pretreatment Revenue	16,158		16,158
445.00	17	Sewer Fine - Admin Order	1,653		1,653
450.10	18	Forfeited Disc_Water	10,441		10,441
450.11	19	Forfeited Disc_Sewer	(2,686)		(2,686)
456.00	20	Other Water Revenue	5,552		5,552
456.20	21	Other Revenue_Water Tap	14,250		14,250
456.30	22	Other Revenue_Sewer Tap	550		550
457.00	23	Rural Water Overhead	6,447	(6,447)	-
470.00	24	911 Revenue	<u>14,800</u>	-	<u>14,800</u>
	25	Total Non-Rate Revenue	<u>298,193</u>	<u>(6,447)</u>	<u>291,746</u>
	26	Total Revenue	2,218,527	(6,447)	2,212,080

City Water and Sewer

Cash Flow

City of Newbern, TN

a/c no.	Line No.	City Water & Sewer Revenue Requirement			
		Item	Actual 12 Mos May-21	Known & Measurable Changes	Test Year 12 Mos May-21
		(1)	(2)	(3)	(4)
	1	<u>Revenue Requirement:</u>			
	2	Operation Expenses:			
583.10	3	Oper Exp_Payroll_Water	56,945		56,945
583.11	4	Oper Exp_Water	15,359		15,359
583.20	5	Oper Exp_Payroll_Sewer	29,923		29,923
589.00	6	Building Rent	6,834		6,834
902.00	7	Meter Reading Exp_Payroll	20,820		20,820
902.10	8	Meter Readig Exp	949		949
902.11	9	Meter Reading Gasoline	770		770
903.00	10	Cust Records & Col_Payroll	20,617		20,617
903.10	11	Cust Records & Col	5,788		5,788
904.00	12	Uncollectible Accounts	3,414		3,414
920.00	13	Admin & Gen Salaries	48,032		48,032
921.00	14	Office Exp_Warehouse	10,349		10,349
921.10	15	Office Exp_Supervisor	194		194
921.20	16	Office Exp_City Hall	16,710		16,710
921.40	17	Cell Telephones	1,579		1,579
921.60	18	Computer Services	2,996		2,996
923.00	19	Outside Services Employeeed	6,055		6,055
923.10	20	VMS Environ Service	524,552		524,552
923.11	21	VMS Environ Sludge	77,127		77,127
924.00	22	Property Insurance	26,753		26,753
925.00	23	Workers Comp Insurance	8,665		8,665
926.00	24	Employee Insurance	17,697		17,697
923.10	25	Uniform Expense	639		639
926.20	26	Employee Retirement	7,992		7,992
930.00	27	Misc Exp_Payroll	8,768		8,768
930.10	28	Misc Exp	16,098		16,098
	29	Total Operating Expenses	935,624	-	935,624

**City Water and Sewer
Cash Flow**

City of Newbern, TN

a/c no.	Line No.	City Water & Sewer Revenue Requirement			
		Item	Actual 12 Mos May-21	Known & Measurable Changes	Test Year 12 Mos May-21
		(1)	(2)	(3)	(4)
	1	Maintenance Expenses:			
593.15	2	Maint_Pre-Treatment	11,793		11,793
593.20	3	Maint_Water Lines_Payroll	691		691
593.21	4	Maint_Water Lines	19,257		19,257
593.25	5	Maint_Sludge Hauling	161,381		161,381
593.30	6	Maint_Sewer Lines_Payroll	1,039		1,039
593.31	7	Maint_Sewer Lines	3,389		3,389
593.35	8	Maint_HF Plant	101,298		101,298
593.40	9	Maint_Sewer Plant	126,059		126,059
593.45	10	Maint_Water Plant_Payroll	614		614
593.46	11	Maint_Water Plant	77,067		77,067
593.50	12	Maint_Lift Station	24,297		24,297
593.55	13	Maint_CMOM	20,254		20,254
593.70	14	Maint_Water Meters	4,368		4,368
593.80	15	Maint_Water Equip	11,704		11,704
593.81	16	Gasoline & Diesel	6,511		6,511
593.85	17	Maint_Sewer Equipment	3,074		3,074
593.90	18	Maint_Water Wells	44,554		44,554
593.95	19	Maint_Water Tanks	57,393		57,393
595.00	20	Equipment Rental	4,224		4,224
596.00	21	Water Tap Expense	-	13,060	13,060
596.10	22	Sewer Tap Expense	-	473	473
	23	Total Maintenance Expense	678,967	13,533	692,500
	24	Total O&M Expenses	1,614,591	13,533	1,628,124

**City Water and Sewer
Cash Flow**

		City of Newbern, TN			
a/c no.	Line No.	City Water & Sewer Revenue Requirement Item	Actual 12 Mos May-21	Known & Measurable Changes	Test Year 12 Mos May-21
		(1)	(2)	(3)	(4)
403.00	1	Depreciation Expense_Water	118,147	10,741	128,888
403.10	2	Depreciation Expense_Sewer	<u>185,479</u>	<u>16,873</u>	<u>202,352</u>
	3	Depreciation Expense	303,626	27,614	331,240
	4	Expense Subtotal For DSCR Calculation	1,918,217	41,147	1,959,363
	5	Cash Flow for DSCR Calculation	300,310	(47,593)	252,717
	6	Maximum Annual Debt Service:			
	7	Principal	146,422	-	146,422
	8	Interest	<u>58,548</u>	-	<u>58,548</u>
	9	Total Debt Service	<u>204,970</u>	-	<u>204,970</u>
	10	Debt Service Coverage Ratio (DSCR)	1.47		1.23
408.30	11	Taxes_Social Security	16,264		16,264
408.40	12	Taxes_Unemployment	<u>140</u>	-	<u>140</u>
	13	Taxes	16,405	-	16,405
427.20	14	Int On Water Debt	1,905	(1,905)	-
427.25	15	Interest Expense	5,557	(524)	5,033
427.35	16	BONDS-REFIN-INT EXP R DEV	<u>90,156</u>	-	<u>90,156</u>
	17	Payments for Interest Expense	97,617	(2,428)	95,189
431.00	18	Amortization of Debt Discount		1,458	1,458
431.00	19	Amortization of Debt Premium	-	<u>(14,500)</u>	<u>(14,500)</u>
	20	Net Amortization of Debt Disc/Prem	-	(13,042)	(13,042)
	21	Oper Exp b/Non-Rate Rev Credits	2,032,238	25,676	2,057,914
	22	Non-Rate Revenue Credits	<u>(298,193)</u>	-	<u>(291,746)</u>
	23	Oper Exp a/Non-Rate Rev Credits	1,734,045	25,676	1,766,168
	24	Operating Margin	<u>186,289</u>	<u>(32,123)</u>	<u>154,166</u>
	25	Total Rate Revenue Requirement	1,920,334	-	1,920,334

City Water and Sewer Cash Flow					
City of Newbern, TN					
<u>a/c no.</u>	Line	City Water & Sewer Revenue Requirement	Actual 12 Mos May-21	Known & Measurable Changes	Test Year 12 Mos May-21
	No.	Item	(2)	(3)	(4)
	1	<u>Cash Flow Calculations:</u>			
	2	Operating Margin (Rev-Exp Reports)	186,289	(32,123)	154,166
	3	Adjs Made Directly To Accum Earnings	(18,288)	18,288	-
	4	Net Amortization of Debt Disc/Prem	-	13,042	13,042
	5	Adj to move Int Exp to Cap Asset Mgmt	97,617	(2,428)	95,189
	6	Operating Margin for Cash Flow Calc	265,618	(3,221)	262,397
	7	<u>Capital Asset Mgmt Transations:</u>			
	8	Water CWIP	(279,893)	230,088	(49,806)
	9	Water CWIP_Office Building	-	(230,088)	(230,088)
	10	Sewer CWIP	(279)	-	(279)
	11	Water Depreciation	118,147	10,741	128,888
	12	Sewer Depreciation	185,479	16,873	202,352
	13	Other Changes in Accum Depr	(27,613)	27,613	-
	14	Bond Refinancing:			
181.00	15	Unamortized Debt Discount	(27,824)	26,366	(1,458)
221.11	16	BONDS-REFIN-RURAL DEVELOP	2,243,590	(2,331,290)	(87,700)
222.50	17	BONDS PAYABLE - FMHA TREA	(53)	53	-
222.52	18	BOND RD 06 - WATER PLANT	(369,758)	369,758	-
222.53	19	BOND RD 06-WATER PLANT AD	(163,449)	163,449	-
222.54	20	BOND RD 07 - WASTEWATER	(804,132)	804,132	-
222.56	21	BONDS PAY - RURAL DEL	(1,221,798)	1,221,798	-
222.70	22	Unamortized Debt Premium	276,717	(262,217)	14,500
237.00	23	1979 WATER BOND - GE CAPI	(3,965)	3,965	-
237.10	24	1998A-1998 SEWER BONDS	(350)	350	-
228.00	25	NOTE PAYABLE FCNB	<u>(37,116)</u>	<u>17,878</u>	<u>(19,238)</u>
	26	Net Change In LTD	(108,137)	14,242	(93,896)
	27	Debt Interest Expense	<u>(97,617)</u>	<u>2,428</u>	<u>(95,189)</u>
	28	Net Capital Asset Mgmt Trans	<u>(209,913)</u>	<u>71,897</u>	<u>(138,017)</u>
	29	Cash Flow From Operations	55,704	68,676	124,380

City Water and Sewer Cash Flow					
City of Newbern, TN					
a/c no.	Line	City Water & Sewer Revenue Requirement	Actual 12 Mos May-21	Known & Measurable Changes	Test Year 12 Mos May-21
	No.	Item	(2)	(3)	(4)
	1	Cash Working Capital Mgmt:			
	2	Accts Rec_Customer & Other	(18,446)	-	(18,446)
	3	Accts Rec_Other Funds	9,067	-	9,067
	4	Materials & Supplies	13,870	-	13,870
	5	Prepayments	(623)	-	(623)
	6	Interest Receivable	-	-	-
	7	Deferred Revenue	(6,175)	-	(6,175)
	8	Accounts Payable	9,456	-	9,456
	9	Accounts Payable_Other Funds	1,672	-	1,672
	23	Customer Deposits	(140)	-	(140)
	24	Accrued Interest	(1,689)	-	(1,689)
	25	Taxes Payable - Sales Tax	382	-	382
	26	Compensated Absences Payable	-	-	-
	27	Cash Working Capital Management	7,373	-	7,373
	28	Cash Flow to Oper Funds & Temp Invests	63,077	68,676	131,754
	29	check	0	-	0
	30	Oper Funds & Temp Invests_Beg Bal:			
135.10	31	Petty Cash	50		50
131.10	32	Cash on Hand	1,399,474		1,399,474
131.14	33	Cash - CMOM Program	290,648		290,648
125.45	34	Savings - Workers Compensation	17,558		17,558
125.48	35	Savings - JDF Depreciation	24,337		24,337
	36	Oper Funds & Temp Invests_Beg Bal:	1,732,067		1,732,067
	37	Oper Funds & Temp Invests_Incr (Decr):			
135.10	38	Petty Cash	-		-
131.10	39	Cash on Hand	81,020	68,676	149,696
131.14	40	Cash - CMOM Program	(18,194)		(18,194)
125.45	41	Savings - Workers Compensation	105		105
125.48	42	Savings - JDF Depreciation	146	-	146
	43	Oper Funds & Temp Invests_Incr (Decr):	63,077	68,676	131,753
	44	Oper Funds & Temp Invests_End Bal:			
135.10	45	Petty Cash	50	-	50
131.10	46	Cash on Hand	1,480,494	68,676	1,549,170
131.14	47	Cash - CMOM Program	272,454	-	272,454
125.45	48	Savings - Workers Compensation	17,663	-	17,663
125.48	49	Savings - JDF Depreciation	24,483	-	24,483
	50	Oper Funds & Temp Invests_End Bal:	1,795,144	68,676	1,863,820

**Rural Water Cash Flow
City of Newbern, TN**

a/c no.	Line No.	Item	Actual 12 Mos May-21	Known & Measurable Changes	Test Year 12 Mos May-21
		(1)	(2)	(3)	(4)
440.00	1	Rate Revenue	783,936		783,936
	2	Non Rate Revenue:			
419.10	3	Interest Income	7,539		7,539
450.00	4	Forfeited Discounts	5,609		5,609
456.20	5	Other Revenue - Water Tap	6,250		6,250
470.00	6	911 Revenue	14,800		14,800
480.00	7	Miscellaneous Revenue	15,384		15,384
	8	Total Non-Rate Revenue	49,582	-	49,582
	9	Total Revenue	833,518	-	833,518
	10	Revenue Requirement:			
555.10	11	Purchase of Water	218,564		218,564
583.00	12	Operations_Payroll	47,116		47,116
583.11	13	Operations	1,734		1,734
585.00	14	Rural Water Overhead	6,447	(6,447)	-
589.00	15	Building Rent	6,083		6,083
902.00	16	Meter Reading Exp_Payroll	40,709		40,709
902.10	17	Meter Readig Exp	886		886
902.11	18	Meter Reading Gasoline	2,181		2,181
903.00	19	Cust Records & Col_Payroll	27,126		27,126
903.10	20	Cust Records & Col	5,788		5,788
904.00	21	Uncollectible Accounts	2,567		2,567
920.00	22	Adminstrative Salaries	42,682		42,682
921.00	23	Office Exp_Warehouse	10,349		10,349
921.20	24	Office Exp_City Hall	16,762		16,762
921.40	25	Cell Telephones	1,612		1,612
921.60	26	Computer Services	2,995		2,995
923.00	27	Outside Services Employeed	6,055		6,055
924.00	28	Property Insurance	26,753		26,753
925.00	29	Workers Comp Insurance	8,665		8,665
926.00	30	Employee Insurance	25,392		25,392
923.10	31	Uniform Expense	733		733
926.20	32	Employee Retirement	9,908		9,908
930.00	33	Misc Exp_Payroll	8,768		8,768
930.10	34	Misc Exp	13,454		13,454
	35	Total Operating Expenses	533,327	(6,447)	526,880

**Rural Water Cash Flow
City of Newbern, TN**

a/c no.	Line No.	Item	Actual 12 Mos May-21	Known & Measurable Changes	Test Year 12 Mos May-21
		(1)	(2)	(3)	(4)
	1	Maintenance Expense:			
593.00	2	Maint_Payroll	67,600		67,600
593.10	3	Maint Expense	30,170		30,170
593.21	4	Maint-Water Lines	1,427		1,427
593.61	5	Maint_Fire Hydrant	1,299		1,299
593.90	6	Maint_Water Wells	11,886		11,886
593.94	7	Pump Station_Coob Road	15,375		15,375
593.95	8	Maint_Water Tanks	22,005		22,005
594.00	9	Maint_Equip	4,569		4,569
594.01	10	Gasoline & diesel	9,208		9,208
595.00	11	Equipment Rental	4,224		4,224
596.00	12	Water Tap Expense	-	6,162	6,162
	13	Total Maintenance Expenses	167,764	6,162	173,926
	14	Total O&M	701,091	(285)	700,807
403.00	15	Depreciation Expense	44,566	4,051	48,617
	16	Expense Subtotal for DSCR:	<u>745,657</u>	<u>3,767</u>	<u>749,424</u>
	17	Cash Flow for DSCR	87,861	(3,767)	84,094
	18	Maximum Annual Debt Service:			
	19	Principal	31,538	9,324	40,862
	20	Interest	17,677	(8,893)	8,784
	21	Total Debt Service	<u>49,215</u>	<u>431</u>	<u>49,646</u>
	22	Debt Service Coverage Ratio	1.79		1.69
408.30	23	Taxes_Social Security	19,288		19,288
408.40	24	Taxes_Unemployment	146	-	146
	25	Taxes	19,433	-	19,433
427.20	26	Interest Expense	5,557	(524)	5,033
427.35	27	Interest Expense_FHA	12,644	(0)	12,644
	28	Payments for Interest Expense	18,201	(524)	17,677
431.10	29	Misc Int & Expense	10	(10)	-
431.00	30	Amortizaton of Debt Discount		204	204
431.00	31	Amortization of Debt Premium	-	(2,034)	(2,034)
	32	Net Amortization of Debt Disc & Prem	10	(1,839)	(1,829)
	33	Oper Expenses Before Rev Credits	783,301	1,404	784,705
	34	Non-Rate Revenue Credits	(49,582)	-	(49,582)
	35	Oper Exp Net of Rev Credits	733,719	1,404	735,123
	36	Operating Margin	50,217	(1,404)	48,813
	37	Total Rate Revenue Requirement	783,936	-	783,936

Rural Water Cash Flow
City of Newbern, TN

a/c no.	Line No.	Item	Actual 12 Mos May-21	Known & Measurable Changes	Test Year 12 Mos May-21
		(1)	(2)	(3)	(4)
	1	<u>Cash Flow: Incr (Decr)</u>			
	2	Operating Margin (Rev-Exp Reports)	50,227	(1,414)	48,813
	3	Adjs Made Directly To Accum Earnings	(21,125)	21,125	-
431.00	4	Net Amortization of Debt Disc & Prem	-	1,829	1,829
	5	Move Interest Expense to Cap Asset Mgmt	18,201	(524)	17,677
	6	Operating Margin for Cash Flow Calc	47,303	21,016	68,319
	7	<u>Capital Asset Management Activities:</u>			
107.00	8	Construction Work In Progress	(246,200)	230,088	(16,112)
403.00	9	Depreciation Expense	44,566	4,051	48,617
	10	CWIP_New Office Building	-	(230,088)	(230,088)
181.00	11	Change in Unamortized Debt Expense	(3,902)	3,698	(204)
222.70	12	Change in Unamortized Debt Premium	38,810	(36,776)	2,034
221.11	13	Loan Payable - FHA \$670,000	(39,646)	27,346	(12,300)
228.00	14	Note Payable FCNB	(37,116)	17,878	(19,238)
	15	LTD Interest Pmt (Accrued Interest)	(18,201)	524	(17,677)
	16	Net Capital Asset Mgmt Activities	(261,688)	16,720	(244,968)
	17	Cash Flow from Operations	(214,385)	37,737	(176,649)
	18	<u>Cash Working Capital Management:</u>			
	19	Accounts Receivable	4,326		4,326
	20	Accounts Receivable_Other Funds	11,718		11,718
	21	Materials & Supplies_Stores Exp	-		-
	22	Prepayments	(462)		(462)
	23	Interest Receivable	(185)		(185)
	24	Accounts Payable	7,648		7,648
	25	Accounts Payable_Other Funds	(1,452)		(1,452)
	26	Customer Deposits	-		-
	27	Accrued Interest	(5,870)		(5,870)
	28	Accrued Sales Tax	(576)		(576)
	29	Compensated Absences Payable	-		-
	30	<u>Net Change in Cash Working Capital</u>	15,147		15,147
	31	Cash Flow to Oper Funds & Temp Invests	(199,238)	37,737	(161,502)
	32	Ck to change in Oper Funds & Temp Invests	(0)	-	(0)

**Rural Water Cash Flow
City of Newbern, TN**

a/c no.	Line No.	Item (1)	Actual 12 Mos May-21 (2)	Known & Measurable Changes (3)	Test Year 12 Mos May-21 (4)
	1	<u>Oper Funds & Temp Invests Beg Bal:</u>			
	2	Petty Cash	50		50
	3	Cash On Hand	1,010,822		1,010,822
	4	Cash - First Rate Account	274,213		274,213
	5	CD - 1994 Reserve Fund	41,000		41,000
	6	Savings - Workers Compensation	<u>17,508</u>		<u>17,508</u>
	7	Total Oper Funds & Temp Invests_Beg Bal	1,343,593		1,343,593
	8	<u>Oper Funds & Temp Invests Incr (Decr):</u>			
	9	Petty Cash	-		-
	10	Cash On Hand	(159,954)	37,737	(122,217)
	11	Cash - First Rate Account	1,610		1,610
	12	CD - 1994 Reserve Fund	(41,000)		(41,000)
	13	Savings - Workers Compensation	<u>106</u>	<u>-</u>	<u>106</u>
	14	Oper Funds & Temp Invests_incr(decr)	(199,238)	37,737	(161,501)
	15	<u>Oper Funds & Temp Invests Ending Bal:</u>			
135.10	16	Petty Cash	50	-	50
131.10	17	Cash On Hand	850,868	37,737	888,605
131.11	18	Cash - First Rate Account	275,823	-	275,823
125.34	19	CD - 1994 Reserve Fund		-	-
125.45	20	Savings - Workers Compensation	<u>17,614</u>	<u>-</u>	<u>17,614</u>
	21	Total Oper Funds & Temp Invests_End Bal	1,144,355	37,737	1,182,092

**Comparison of 2014 Cost of Service to Test Year
City of Newbern, TN**

**Exhibit 3
Page 1 of 1**

Line No.	Item (1)	2014 Cost of Service (2)	Test Year (3)	Change (4)
1	<u>Rural Water:</u>			
2	Revenue Requirement	\$ 778,502	\$ 783,936	\$ 5,434
3	Number of Customers	24,288	24,957	669
5	Usage Cgal	1,093,430	1,093,819	389
4	Base Cost / Recovery	\$ 365,202	\$ 370,472	\$ 5,270
6	Usage Cost / Recovery	\$ 413,300	\$ 413,464	\$ 164
7	<u>City Water:</u>			
8	Revenue Requirement	\$ 459,856	\$ 468,521	\$ 8,665
9	Number of Customers	16,806	17,784	978
10	Usage Cgal	1,216,160	1,226,321	10,161
11	Base Cost / Recovery	\$ 173,379	\$ 178,810	\$ 5,431
12	Usage Cost / Recovery	\$ 286,478	\$ 289,412	\$ 2,934
13	<u>City Sewer:</u>			
14	Revenue Requirement	\$ 1,515,307	\$ 1,443,929	\$ (71,378)
15	Number of Customers	16,794	16,574	(220)
16	Usage Cgal	1,038,820	939,036	(99,784)
17	Base Cost / Recovery	\$ 207,819	\$ 205,097	\$ (2,722)
18	Usage Cost / Recovery	\$ 724,077	\$ 645,508	\$ (78,569)
19	Billing for Contracted Service	\$ 583,411	\$ 593,324	\$ 9,913

CITY OF NEWBERN, TENNESSEE
NOTES TO FINANCIAL STATEMENTS
June 30, 2020

Exhibit 4
Page 1 of 1

Property taxes are levied on October 1 of each year and attach as an enforceable lien on property as of January 1. The City bills and collects its own property taxes. The City's tax bills are mailed on October 1 with payment due dates from October 1 through February 28 and a delinquent date of March 1. Tax revenues are recognized when levied to the extent that they result in current receivables. Governmental funds report deferred revenues in connection with taxes receivable for revenues that are not considered to be available to liquidate liabilities of the current period. The City reports an allowance for doubtful accounts which estimates expected uncollectible receivables.

Inventories and Prepaid Items

The City takes a physical count of inventory at fiscal year-end. Inventories of the proprietary funds are recorded initially in inventory accounts and charged as expenditures when used. Inventories are valued at cost using the moving average method.

Certain prepayments to vendors reflect costs applicable to future accounting periods and are recorded as prepaid items in both government-wide and fund financial statements.

Restricted Assets

Certain cash and investment balances of the City are classified as restricted assets on the balance sheet and statement of net position due to debt service and bond requirements.

Capital Assets

Capital assets, including property, plant, vehicles, equipment, infrastructure assets (e.g., roads, bridges, sidewalks, and similar items) and construction in progress are reported in the applicable governmental or business-type activities columns in the government-wide financial statements. Capital assets are defined by the City as assets with an initial, individual cost of more than \$5,000. Such assets are recorded at historical cost or estimated historical cost if purchased or constructed. Donated capital assets are recorded at estimated fair market value at the date of donation.

The cost of normal maintenance and repairs that do not add to the value of the asset or materially extend asset's lives are not capitalized. Major outlays for capital assets and improvements are capitalized as projects are constructed. Interest incurred during the construction phase of capital assets of business-type activities is included as part of the capitalized value of the assets constructed. For the year under examination, there were no interest costs capitalized.

Capital assets of the City are depreciated using the straight line method. Capital assets are depreciated over the following useful lives:

Buildings	40 years
Improvements other than buildings	15 - 20 years
Vehicles and equipment	5 years
Furniture and fixtures	7 - 12 years
Infrastructure	25 years

Deferred Outflows of Resources

In addition to assets, the statement of financial position will sometimes report a separate section for deferred outflows of resources. This separate financial statement element, deferred outflows of resources, represents a consumption of net position that applies to a future period(s) and so will not be recognized

Policy # 9

SUBJECT: Billing

POLICY:

All customers shall be billed monthly, with bills being due a minimum of fifteen (15) days from the billed date. Thereafter, the gross amount will be due. The penalty will not exceed 5% of the bill amount. Failure to receive a bill will not release a customer from payment obligations. Bills paid on or before the final date of payment shall be payable at the net rates, but thereafter the gross rates shall apply. Should the final date for payment of the bill at the net rate fall on a holiday, the next business day following the final date will be held as a day of grace for delivery of payment. Customers have the option of selecting E-billing to receive their bill by e-mail rather than through the postal service. The E-bill will replace the paper bill and will serve as notification of the billed amount, usage, and payment due date. Customers can sign up for this service when they connect services, or any time after.

The bills will provide an initial notification of termination of service if not paid within five days of the due date. Bills can be paid by mail, counter, phone, night deposit, or online. Accounts remaining not paid after five (5) days past the due date will be terminated. The City of Newbern will make reasonable efforts to receive consent from customers in advance of receipt of termination notices via automated phone call. For existing customers, the City of Newbern will also use bill stuffers, electronic notices, and website so that members are informed and can consent to these notifications in advance of any such disconnection. Prior to the termination date a phone call will be made to remind all delinquent customers that their bill is due and will be disconnected on the 6th day late at 1:00 pm. The call also informs customers on how and where to pay their bills and provides a phone number for Newbern Customer Service for customers to call to discuss the bill.

**Water & Sewer TAP & Reconnect Fees
City of Newbern, TN**

**Exhibit 6
Page 1 of 1**

Line No.	Item (1)	Fees (2)
1	City Water TAP Fees:	
2	3/4" Line-Side TAP	\$550.00
3	3/4" Road Bore TAP	\$675.00
4	1" Line-Side TAP	\$750.00
5	1" Road bore TAP	\$875.00
6	2" TAP	Materials
7	City Sewer TAP Fees:	
8	4" - 6" TAP	\$550.00
9	Rural Water TAP Fees:	
10	3/4" Line-Side TAP	\$550.00
11	3/4" Road Bore TAP	\$675.00
12	1" Line-Side TAP	\$750.00
13	1" Road bore TAP	\$850.00
14	2" TAP	Materials
15	Rural Water Reconnect Fees:	
16	During Business Hours	\$45.00
17	Non-Business Hours	\$100.00

Footnote:

(A) Inside City only electric is disconnected for non-payment of bill. City reconnect fees are reported as electric revenue.

**Urban Water and Sewer Rates Effective July 1 2014
City of Newbern, TN**

Line No.	Item	Present Rates		
		Base Per Bill	Usage Per Mgal	Usage Per Cgal
	(1)	(2)	(3)	(4)
1	Urban Water Rates by Meter Size: (A)			
2	0.75"	7.35	2.36	0.236
3	1"	13.06	2.36	0.236
4	2"	52.24	2.36	0.236
5	3"	117.54	2.36	0.236
6	4"	208.96	2.36	0.236
7	6"	470.16	2.36	0.236
8	8"	836.27	2.36	0.236
9	Sewer Rate (A)	12.37	6.97	0.697

Footnotes:

(A) Some customers are billed fixed amount for contracted service

(B)	Customer Class	Rate Code
	Industrial	1
	Residential	22
	Small Commercial	35
	Metered Sewer	97

**Rural Water Rates
City of Newbern, TN
Effective July 1, 2014**

Line No.	Meter Size (1)	Base Per Bill (2)	Usage Per Mgal (3)	Usage Per Cgal (4)
1	0.75"	14.57	3.78	0.378
2	1"	25.91	3.78	0.378
3	2"	103.63	3.78	0.378

(A) **Rate Code:**

Residential

5

**Weighting Factors for Base Service Charges
City of Newbern Water & Sewer Utility**

Line No.	Meter Diameter (1)	COS		Current		Flow	Weighting
		Weighting Factor (2)	Urban	Rural	Area	Factor	
			(3)	(4)	(5)	(6)	
1	0.75"	1.000	1.000	1.000	0.4418	1.000	
2	1"	1.778	1.485	1.714	0.7854	1.778	
3	2"	7.111	1.833	2.000	3.1416	7.111	
4	3"	16.000			7.0686	16.000	
5	4"	28.444	2.500	3.143	12.5664	28.444	
6	6"	64.000			28.2743	64.000	
7	8"	113.778	4.667		50.2655	113.778	

CITY OF NEWBERN CLAIM FOR WATER/SEWER ADJUSTMENT

The City of Newbern allows utility customers to receive an adjustment to their monthly water and wastewater bill when an underground leak at their premises results in higher than usual water and wastewater charges; or to their wastewater bill when they are filling a swimming pool. The eligibility requirements for this adjustment are as follows:

- a. Except for the month for which the customer is seeking a billing adjustment, the customer has no outstanding balances due and payable to the City of Newbern for water or wastewater services; and
- b. There is evidence of a subterranean leak at the customer's property which was likely to increase the customer's apparent consumption of water; and
- c. There is evidence that the customer has repaired the leak at his premises; and
- d. The customer has not received any other water or wastewater adjustment for the same premises in the preceding twelve (12) months; and
- e. The customer has submitted an accurate and signed application for a utility bill adjustment of forms provided by the City of Newbern.
- f. For a leak, the amount of the leak must be three (3) times the normal average consumption for the past 12 months. For a pool adjustment, the sewer will be adjusted according to a 12 month average. Therefore, the account must show at least 12 months history of consumption.

If you believe you qualify for an adjustment on your utility bill, please complete the following form and submit it to the Newbern City Hall.

Customer Name: _____

Account Number: _____

Address where leak occurred: _____

Customer phone number: _____

For Leaks:

For pool fill-up:

Date Leak Discovered: _____

Date pool filled: _____

Date Leak Fixed: _____

Gallons used (if known): _____

Name of plumber: _____

By signing below, I certify that all information contained in this application for an adjustment to my water and/or wastewater bill is true and accurate to the best of my knowledge and belief. I also understand that my account is only allowed one (1) adjustment per twelve (12) months.

Customer Signature: _____ Date: _____



JASON E. MUMPOWER
Comptroller

Entity Referred: **Town of Rogersville**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

The Town contracted with Mattern and Craig to perform a cost-of-service study in accordance with the Board's previous order. Mattern and Craig has completed the study and submitted its resulting report and recommendations to the Town and to Board staff. The Town has implemented Mattern and Craig's recommendations with the exception of a wholesale rate change for Persia Utility District. The Town informed Board staff that Persia Utility District's rate is imposed by contract, which expires in October of 2022. At that time, the Town will renegotiate the contract with Persia Utility District to charge the district at least the cost of service as provided in the report.

Staff Recommendation:

Order the following:

1. The Town shall send financial updates to Board staff by March 1st and September 1st of each year, beginning March 1, 2022, until the Board releases the Town from its oversight.



Town of Rogersville, Tennessee Water/ Wastewater Cost of Service Study

March 2021



Mattern & Craig
ENGINEERS • SURVEYORS

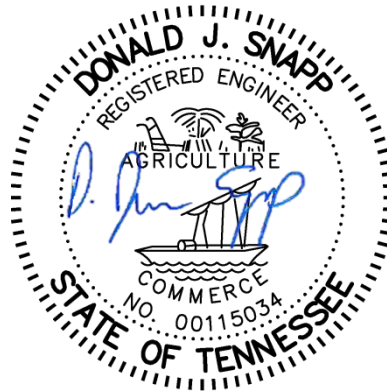
429 Clay Street • Kingsport, TN 37660 • matternandcraig.com

Water and Wastewater Cost of Service Study

TOWN OF ROGERSVILLE, TENNESSEE

JULY 2020

REVISED MARCH 2021



03/19/21

MATTERN & CRAIG
ENGINEERS • SURVEYORS
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Section 1 INTRODUCTION

Project Background and Scope

The Town of Rogersville (Town) engaged Mattern & Craig to prepare a water and sanitary sewer utility cost of service analysis for both their water and sanitary sewer systems as required to address concerns set forth by the Tennessee Water and Wastewater Financing Board (WWFB). The systems are administratively and financially consolidated. Mattern & Craig was tasked with determining the capital asset investments that would be necessary, and investigating the justifications, if any, for differing rates between the in-town versus out-of-town customers, a declining block rate structure, and discrepancies between sewer rates and water rates. This report details the financial needs and rate requirements to maintain a positive net position going forward for both the water and sewer funds.

Water and Wastewater Financing Board Order

On August 27, 2020, the WWFB entered an order directing the Town to do the following:

1. The Town shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a cost of service study that includes the following:
 - a) A justification for the differing rates between customers inside the Town as opposed to those outside, or a new recommended rate structure if no justification is possible;
 - b) A justification for a declining block rate structure;
 - c) A justification for the discrepancy between sewer rates and water rates; and
 - d) A review of the leak adjustment policy including any recommended modifications;
2. The Town shall consult with counsel to ensure that the Town is legally justified in the wholesale rate charged to Persia Utility District.
3. By October 31 2020, the Town or qualified expert shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
4. By October 31, 2020, the Town shall send Board staff a letter of representation between the Town and counsel who is to perform the tasks in paragraph 2.
5. By December 31, 2020, the Town shall send Board staff proof that all members of the utility system's governing body have complied with the training requirements set out in Tenn. Code Ann. 7-34-115(j).
6. By February 28, 2021, the City or qualified expert shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
7. By February 28, 2021, the Town shall provide Board staff a report on the legal justification for the wholesale rate charged to Persia Utility District.
8. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the Town.

Current Utility Operations

The Town operates on a fiscal year ending June 30 of each calendar year. The years referred to in this report refer to the fiscal year (FY) ending June 30. For example, FY 2020 refers to the time period from July 1, 2019 through June 30, 2020.

Town of Rogersville

The Town provides potable water service to about 2,408 in-town customers and 2,092 out-of-town customers. The Town provides wastewater service to about 2,221 customers with only 72 of those being out-of-town. The Town currently maintains and operates a 2.0 MGD sewer plant along with approximately 200,000 lineal feet of various sized sewer lines. The Town currently maintains and operates a 3.0 MGD water plant along with approximately 800,000 lineal feet of various sized waterlines. The total operating, debt service, and capital expenses of the Town's systems are projected in FY 2021 to be about \$2,183,000 for water and \$922,000 for wastewater.

Current Retail Rates

As of December 11, 2018, the Town of Rogersville has water and wastewater rate structures that include a minimum bill and a graduated volumetric rate. The minimum bill threshold for the Town is 1,000 gallons per month.

For the purposes of this study, the average usage was considered at 4,000 gallons.

Town of Rogersville

The Town charges outside Town water customers 165% of the inside Town rate, higher rates are common practice for water and wastewater providers for service outside of jurisdictional limits, due to the cost of service to provide more rural customers these utility services. The Town charges in-town and outside-of-town sewer customers the same rates due to the low number of out-of-town customers. The Town's water and wastewater rates effective December 11, 2018 are shown below in Table 1-1.

Table 1-1
Town of Rogersville Current Monthly Rates (Effective December 11, 2018)

	Water Rates	Wastewater Rates
<u>Inside Town</u>		
Minimum Bill (Under 1,000 Gallons)	\$13.59	\$8.45
Usage Rate (1,000-5,000 Gallons)	\$6.32	\$5.26
Usage Rate (5,000-10,000 Gallons)	\$5.49	\$5.26
Usage Rate (10,000-20,000 Gallons)	\$4.96	\$5.26
Usage Rate (20,000+ Gallons)	\$4.14	\$5.26
<u>Outside Town</u>		
Minimum Bill (Under 1,000 Gallons)	\$22.70	\$8.45
Usage Rate (1,000-5,000 Gallons)	\$10.33	\$5.26
Usage Rate (5,000-10,000 Gallons)	\$8.94	\$5.26
Usage Rate (10,000-20,000 Gallons)	\$7.98	\$5.26
Usage Rate (20,000+ Gallons)	\$6.54	\$5.26

Section 2

REVENUE REQUIREMENT PROJECTIONS

The first step of any rate/cost of service projection analysis is to compile the costs of owning and operating a water or wastewater utility system. The three cost components included in this analysis are: Operating and Maintenance, Capital Improvements, and Debt Service (both existing and future debt, future debt service is included in the “Sinking Fund” for the purposes of this analysis). These three cost components total to the amount needed each year to run the water and sewer systems. There are several major assumptions that are included in the cost projections, which are summarized in the following sections of this report.

Major Assumptions

In order to project the operating, debt service, and capital outlay expenses, several major assumptions must be made. Asset replacement cost and lifespan were used to calculate the required sinking fund to cover the replacement of water and sewer assets on a yearly basis. Replacement values used includes \$10/gallon of capacity for sewer plant replacement, \$150/ft for sewer line replacement, \$4/gallon of capacity for water plant replacement, and \$30/ft for waterline replacement (the Town replaces their own waterlines in-house). Asset lifespans used included 50 years for the sewer plant, 100 years for the sewer system (lines), 50 years for the water plant, and 100 years for the water system (lines).

Using this methodology it was determined the Town of Rogersville will require \$20,000,000 over 50 years to replace their sewer plant, \$30,000,000 over 100 years to replace their sewer system, \$12,000,000 over 50 years to replace their water plant, and \$24,000,000 over 100 years to replace their water system assets. This equates to a required yearly sinking fund for all water assets of \$480,000, and required yearly sinking fund for all sewer assets of \$700,000.

These assumptions are included in the cost projections in order to establish a reasonable cost of operations for each utility.

Inflation Factors

Mattern & Craig cost projections are based on the latest available actual data. In order to project future costs, escalation and inflation factors must be assumed. Mattern & Craig’s financial model includes operating and maintenance budget line items for the Town, which is assigned one of the inflation factors outlined in Table 2-1.

**Table 2-1
Inflation & Growth Factors**

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Labor	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Benefits	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Services	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Supplies	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%
Equipment/Maintenance	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%
Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

To be conservative, revenue offsets (non-rate revenues) are assumed to be constant over the five-year forecast. These include revenues such as interest, late fees/penalties, credit card surcharge fees, revenue from vehicle resales, and others.

Existing Debt Service

The Town utility systems have current debt obligations that must continue to be paid in the future. A summary of the current debt obligations of the Town are shown below in Table 2-2.

**Table 2-2
Current Debt Service Obligations**

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Town of Rogersville						
RD, Series 2001	\$13,434	\$13,448	\$13,461	\$13,493	\$13,490	\$13,505
SRF, Series 2008	\$158,137	\$158,171	\$158,205	\$158,242	\$158,278	\$158,316
Gen. Obl., Series 2012	\$119,750	\$117,750	\$115,500	\$113,125	\$110,750	\$108,125
Gen. Obl., Series 2015B	\$102,218	\$100,818	\$104,418	\$102,918	\$106,380	\$104,740
Gen. Obl., Series 2018	\$139,981	\$137,731	\$140,481	\$138,081	\$140,681	\$138,131
Total Utility Debt	\$533,520	\$527,918	\$532,065	\$525,859	\$529,579	\$522,817

The various payments have been allocated to the water and wastewater systems in proportion to the customer base.

Capital Improvement Needs

A major factor in this analysis is the capital investments that would be required to rehabilitate the systems and maintain the service levels going forward. Mattern & Craig has developed a sinking fund approach to ensure the reliability and sustainability of service for the Town’s systems. Table 2-3 details the water system sinking fund requirements.

**Table 2-3
Estimated Capital Investment Needs – Water System**

	Cost	Timing
Sinking Fund		
Water System Replacement Fund:	\$240,000	YEARLY
Water Plant Replacement Fund:	\$240,000	YEARLY
Total Water System Capital Needs	\$480,000	YEARLY

Table 2-4 details the wastewater system sinking fund requirements.

**Table 2-4
Estimated Capital Investment Needs – Wastewater System**

	Cost	Timing
Sinking Fund		
Sewer System Replacement Fund:	\$300,000	YEARLY
Sewer Plant Replacement Fund:	\$400,000	YEARLY
Total Wastewater System Capital Needs	\$700,000	YEARLY

It is assumed that each cost above would be cash funded by rate adjustments implemented by the Town going forward beginning in FY 2022.

Projected Debt Service

For the purposes of this analysis no projected new future debt service is accounted for as any system extension projects should be evaluated on a case-by-case basis and projected revenues should self-fund any new required debt service with the newly established “sinking fund”.

Revenue Requirement Forecasts

Based on the latest available operating, debt service, and capital expense data and assumptions detailed above, Mattern & Craig developed the net revenue requirement forecast. Table 2-5 shows the net revenue requirements.

The Town of Rogersville will continue to operate its system as is, but will need to establish a sinking fund to cover 25% of its water and wastewater infrastructure replacement cost as recommended by Mattern & Craig. This increase in revenue requirements would require rate increases to cover the cost of funding a yearly contribution to the sinking fund. Projections assume that the Town's systems will not grow in the number of users that it serves but remain static in its number of customers, and would continue to generate approximately \$335,000 per year in revenue from its service agreements with three local utility districts and 7 local industries as well as various other fees and service charges

**Table 2-5
Net Revenue Requirement Projection**

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Water Net RR	\$1,869,963	\$2,022,048	\$2,061,511	\$2,094,708	\$2,135,425	\$2,169,822
Wastewater Net RR	\$899,649	\$1,089,651	\$1,108,134	\$1,123,667	\$1,142,765	\$1,158,888
Total Net RR	\$2,769,612	\$3,111,699	\$3,169,645	\$3,218,375	\$3,278,190	\$3,328,710
<i>% Increase</i>		12.4%	1.9%	1.5%	1.9%	1.5%

Section 3 RECOMMENDED RATES

Mattern & Craig developed water rates that will be cash flow neutral and progress to meet the goal of having in-town customers cover their water system operational cost and out-of-town customers cover their water system operational cost over the next 5 years. That is, rates were developed to cover the total net revenue requirements using the customer base of the Town (in-town contributes to 49% ± of water system cost and out-of-town contributes to 51% ± of water system cost). The assumption was made that the customer base of each system would remain constant throughout the study projection period. The recommended water and sewer rate increases will allow the water system and sewer system to end any individual fiscal year within the study period in a net positive position.

Recommended Rates

The recommended water rates are shown in Table 3-1.

Table 3-1
Water Rate Recommendations

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
<i>% Increase in Water Rates* (min)</i>	5.0%	4.0%	4.0%	4.0%	3.0%	1.5%
(volumetric)	5.0%	4.0%	4.0%	4.0%	3.0%	1.5%
<u>Inside Town</u>						
Minimum Bill (Under 1,000 Gallons)	\$14.27	\$14.84	\$15.43	\$16.05	\$16.53	\$16.78
Usage Rate (per 1,000 Gallons)	\$6.64	\$6.90	\$7.18	\$7.46	\$7.69	\$7.80
<i>% Increase in Water Rates* (min)</i>	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%
(volumetric)	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%
<u>Outside Town</u>						
Minimum Bill (Under 1,000 Gallons)	\$22.70	\$22.70	\$22.70	\$22.70	\$22.70	\$23.04
Usage Rate (per 1,000 Gallons)	\$10.33	\$10.33	\$10.33	\$10.33	\$10.33	\$10.48

*Only inside town rate increases recommended up through FY 2026 due to out-of-town rates already being so much higher than in town rates. The goal is to achieve rates for in-town customers to cover their water system operational cost and for out-of-town customers to cover their water system operational costs appropriately. The recommended rates meet this goal. The justifications for differing rates for in-town customers versus out-of-town customers can be seen in Section 4 and in Appendix A, Schedule 10.

The recommended wastewater rates are shown in Table 3-2.

Table 3-2
Wastewater Rate Recommendations

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
<i>% Increase in Wastewater Rates*</i>						
(min)	90.0%	1.5%	1.5%	1.5%	1.5%	1.5%
(volumetric)	37.0%	1.5%	1.5%	1.5%	1.5%	1.5%
Inside & Outside Town						
Minimum Bill (Under 1,000 Gallons)	\$16.06	\$16.30	\$16.54	\$16.79	\$17.04	\$17.30
Usage Rate (per 1,000 Gallons)	\$7.21	\$7.31	\$7.42	\$7.54	\$7.65	\$7.76

*The goal with the recommended rate increases is to achieve rates for sewer customers to cover their sewer system operational cost without supplement from the water system or other sources of town funds.

Projected Customer Bill Impacts

Tables 3-3– 3-5 shows the impact of the recommended rates on Town of Rogersville customers at usage levels from 1,000 to 4,000 as well as a large user at 50,000 gallons per month.

Table 3-3
Projected Water Customer Bill (Inside Town)

Monthly Usage	Current Rates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
1,000	\$13.59	\$14.27	\$14.84	\$15.43	\$16.05	\$16.53	\$16.78	\$16.78
2,000	\$19.91	\$20.91	\$21.74	\$22.61	\$23.51	\$24.22	\$24.58	\$24.58
3,000	\$26.23	\$27.55	\$28.64	\$29.79	\$30.97	\$31.91	\$32.38	\$32.38
4,000	\$32.55	\$34.19	\$35.54	\$36.97	\$38.43	\$39.60	\$40.18	\$40.18
50,000	\$240.12	\$339.63	\$352.94	\$367.25	\$381.59	\$393.34	\$398.98	\$398.98

Table 3-4
Projected Water Customer Bill (Outside Town)

Monthly Usage	Current Rates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
1,000	\$22.70	\$22.70	\$22.70	\$22.70	\$22.70	\$22.70	\$23.04	\$23.04
2,000	\$33.03	\$33.03	\$33.03	\$33.03	\$33.03	\$33.03	\$33.52	\$33.52
3,000	\$43.36	\$43.36	\$43.36	\$43.36	\$43.36	\$43.36	\$44.00	\$44.00
4,000	\$53.69	\$53.69	\$53.69	\$53.69	\$53.69	\$53.69	\$54.48	\$54.48
50,000	\$384.72	\$528.87	\$528.87	\$528.87	\$528.87	\$528.87	\$536.56	\$536.56

Table 3-5
 Projected Wastewater Customer Bill (Inside and Outside Town)

Monthly Usage	Current Rates	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
1,000	\$8.45	\$16.06	\$16.30	\$16.54	\$16.79	\$17.04	\$17.30	\$17.56
2,000	\$13.71	\$23.27	\$23.61	\$23.96	\$24.33	\$24.69	\$25.06	\$25.44
3,000	\$18.97	\$30.48	\$30.92	\$31.38	\$31.87	\$32.34	\$32.82	\$33.32
4,000*	\$24.23	\$37.69	\$38.23	\$38.80	\$39.41	\$39.99	\$40.58	\$41.20
50,000	\$266.19	\$369.35	\$374.49	\$380.12	\$386.25	\$391.89	\$397.54	\$403.68

*The effective rate increase percentage for a typical 4,000 gallon user from FY 2021 to FY 2022 is 55.6%. In following years the effective increase is 1.5% year over year.

Section 4

WWFB ORDERS TO BE ADDRESSED

Justification for the differing rates between customers inside the town as opposed to those outside, or a new recommended rate structure if no justification is possible.

For the fiscal year ending June 30, 2019, the rates paid by in-town customers produced 42.84% of the water fund's revenue, and the rates paid by out-of-town customers produced 57.16% of the water funds revenue.

Mattern & Craig allocated the operating expenses of the water department for the year ending June 30, 2019 using four different methods of allocation.

- Water treatment was allocated based on the number of gallons of water used by in-town versus out-of-town customers. 57.53% of water treatment operating expenses were allocated to in-town customers and 42.47% to out-of-town customers.
- Water Distribution was allocated based on the linear feet of water lines in-town versus out-of-town. The Town's water system has a total of 782,297 feet of water line. Of that total, 298,755 feet are located inside the town and 483,542 feet are located outside of town. 38.19% of water distribution operating expenses were allocated to in-town customers and 61.81% to out-of-town customers.
- Administration costs were allocated based on the number of customers in-town versus out-of-town customers. 53.51% of the water customers reside inside the town limits and 46.49% reside outside the town limits.
- Depreciation was allocated based on a combination of the water treatment and distribution allocations. 47.86% of the depreciation costs was allocated to in-town customers and 52.14% to out-of-town customers.

Based upon the expense allocations, in-town customers are currently generating 42.84% of the cost of the operation of the town's water system and out-of-town customers are generating 57.16% of the cost. Although a rate differential between in-town and out-of-town customers is justified, the rate differential needs to be reduced. The rates recommended in this report do away with the declining block rate structure and lower the rate differential so that in-town customers will be contributing approximately 49% of the water system's revenues and out-of-town customers 51% as the analysis suggest is reasonable (see Appendix A, Schedule 10 – Inside/Outside Analysis). These recommended rates provide a fair cost of service to both in-town and out-of-town customers.

Justification for a declining block rate structure.

There is no justification for a declining block rate structure for the Town's water rates. The Town should implement a single usage rate tier rather than four usage rate tiers for both in-town and out-of-town customers.

Justification for the discrepancy between sewer rates and water rates.

There is no justification for the current discrepancy between the current water and sewer rates charged to customers within the utility system. Although a rate differential between water and wastewater customers is justified, the current discrepancy has no basis. A Cost of Service Study (Appendix A) was performed to determine adequate water and sewer rates to allow each respective utility to obtain an independent net positive position moving forward. New rates recommended in this report achieve the directive for wastewater, water (in-town), and water (out-of-town) customers to each cover their respective cost of service for each individual utility service.

Review of Leak Adjustment Policy.

Mattern & Craig reviewed the Town's current Leak Adjustment Policy and recommends changes to the policy. The new leak adjustment policy recommended by Mattern & Craig is attached in Appendix C.

Wholesale rate charged to Persia Utility District.

Mattern & Craig calculated the cost to the Rogersville Water Department to produce 1,000 gallons of water based on water system operating cost provided by the Town. The water utility incurs \$3.00 of cost for every 1,000 gallons of water produced.

Section 5 RECOMMENDATIONS

Listed below are a summary of recommendations for the Town of Rogersville to implement:

Recommendation #1

The Town should begin to establish a “sinking fund” to cover 25% of the cost of the asset replacements detailed in Section #2 and should use cash created from this fund to pay for future water and sewer system improvements in the form of town funded capital improvements or utilize the money as matching funds to obtain funding packages from appropriate funding agencies to perform capital improvement projects. Since not done to date, it’s fiscally not feasible to do 100%. 25% can be achieved without undue hardship on customers and will set total water/sewer bills at approximately 2.6% of MHI for in-town customers and 3.0% of MHI for out-of-town customers. The sinking fund would be established at \$120,000 per year for the water system and \$175,000 per year for the sewer system.

Recommendation #2 (Rate Modifications)

The Town should adopt a new rate structure effective July 1, 2021, with the following changes:

1. The Town should move to a single usage rate tier rather than four usage rate tiers for both the in-town and out-of-town customers.
2. The Town should adopt the below water rates to become effective July 1, 2021 with annual 1.5%-4% increases after the initial 5% rate increase through year 2027 for in-town customers.
3. The Town should maintain the below water rates until July 1, 2026 when a 1.5% increase will be required and become effective for out-of-town customers.
4. The below recommendations progress to a justified differing water rate between in-town customers and out-of-town customers in FY 2026.

Water Rate Recommendations

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Inside Town						
Minimum Bill (Under 1,000 Gallons)	\$14.27	\$14.84	\$15.43	\$16.05	\$16.53	\$16.78
Usage Rate (per 1,000 Gallons)	\$6.64	\$6.90	\$7.18	\$7.46	\$7.69	\$7.80
Outside Town						
Minimum Bill (Under 1,000 Gallons)	\$22.70	\$22.70	\$22.70	\$22.70	\$22.70	\$23.04
Usage Rate (per 1,000 Gallons)	\$10.33	\$10.33	\$10.33	\$10.33	\$10.33	\$10.48

5. The Town should adopt the below wastewater rates to become effective July 1, 2021 with annual 1.5% increases after the initial rate increase through year 2027.

Wastewater Rate Recommendations

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
<u>Inside & Outside Town</u>						
Minimum Bill (Under 1,000 Gallons)	\$16.06	\$16.30	\$16.54	\$16.79	\$17.04	\$17.30
Usage Rate (per 1,000 Gallons)	\$7.21	\$7.31	\$7.42	\$7.54	\$7.65	\$7.76

Recommendation #3

Mattern & Craig reviewed the Town’s current Leak Adjustment Policy and recommends changes to the policy. The new leak adjustment policy recommended by Mattern & Craig is attached in Appendix C and should be adopted by July 1, 2021.

Recommendation #4

The Town should renegotiate the wholesale rate charged to Persia Utility District at the earliest justified time to a new rate that sufficiently covers the water system’s cost to produce water.

APPENDIX A

COST ANALYSIS INFORMATION

**Town of Rogersville, Tennessee Rate Analysis
Schedule 1 - Assumptions**

Fiscal Year: July 1 - June 30

		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	
Cost Escalation Rates												
	Index											
Labor (Salaries & Wages)	Labor	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	
Benefits (Hospital/Medical Plan, Retirement)	Benefits	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	
Services (Electrical, Sludge Removal, Repairs)	Services	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	
Supplies (Chemicals, Repair Supplies)	Supplies	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	
Equipment and Maintenance	Equip/Maint	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	
Other (Transfer to GF, VA Nutrient Exchange)	Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

Water/Sewer Allocation Factors	Index	Allocation	
		Water	Sewer
Water Only	Water Only	100%	0%
Sewer Only	Sewer Only	0%	100%
Split	Split	68%	32%

Administrative Efficiency Factor	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Percentage of the Town's Water/Sewer Function that is duplicated by a merged system.	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Growth Rates		FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	
Customers												
Water		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Sewer		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

Water Usage/Sewage Generation												
Water		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Sewer		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

Miscellaneous Revenues		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
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Town of Rogersville, Tennessee Rate Analysis
Schedule 2 - Rogersville O&M Expenses

Source: Rogersville Water Commission Budget Info

Allocation Factor	Water	Sewer	Category	Description	Include?	Cost Escalator	Actual FY 2018	Actual FY 2019	Estimated FY 2020	Budgeted FY 2021	Projected FY 2022	Projected FY 2023	Projected FY 2024	Projected FY 2025	Projected FY 2026	Projected FY 2027	Projected FY 2028	Projected FY 2029
Water Only	100%	0%	Operating Expenses	Salaries	Yes	Labor	254,681	241,036	250,978	255,998	261,118	266,340	271,667	277,100	282,642	288,295	294,061	299,942
Water Only	100%	0%	Operating Expenses	Electric	Yes	Supplies	122,859	123,178	129,798	132,005	134,249	136,531	138,852	141,212	143,613	146,054	148,537	151,062
Water Only	100%	0%	Operating Expenses	Natural Gas	Yes	Supplies	666	916	1,001	1,018	1,035	1,053	1,071	1,089	1,108	1,126	1,146	1,165
Water Only	100%	0%	Operating Expenses	Chemicals Wtp	Yes	Supplies	98,728	111,470	103,500	105,260	107,049	108,869	110,720	112,602	114,516	116,463	118,443	120,456
Water Only	100%	0%	Operating Expenses	Repairs & Parts	Yes	Supplies	15,303	59,804	55,000	55,935	56,886	57,853	58,836	59,837	60,854	61,888	62,941	64,011
Water Only	100%	0%	Operating Expenses	Storage & Tank Maintenance	Yes	Supplies	-	-	-	-	-	-	-	-	-	-	-	-
Water Only	100%	0%	Operating Expenses	Fuel, Oil & Grease	Yes	Supplies	2,664	27,400	2,883	2,932	2,982	3,033	3,084	3,137	3,190	3,244	3,299	3,355
Water Only	100%	0%	Operating Expenses	Tires & Tubes	Yes	Supplies	495	-	-	-	-	-	-	-	-	-	-	-
Water Only	100%	0%	Operating Expenses	Lab Supplies	Yes	Supplies	4,941	8,827	9,870	10,038	10,208	10,382	10,558	10,738	10,921	11,106	11,295	11,487
Water Only	100%	0%	Uniforms	WTP	Yes	Supplies	5,392	4,231	4,314	4,387	4,462	4,538	4,615	4,693	4,773	4,854	4,937	5,021
Water Only	100%	0%	Operating Expenses	General Supplies	Yes	Supplies	10,059	9,196	9,414	9,574	9,737	9,902	10,071	10,242	10,416	10,593	10,773	10,956
Water Only	100%	0%	Operating Expenses	Tools	Yes	Supplies	-	-	-	-	-	-	-	-	-	-	-	-
Water Only	100%	0%	Operating Expenses	Safe Drinking Water Fees	Yes	Services	1,610	6,884	7,056	7,197	7,341	7,488	7,638	7,790	7,946	8,105	8,267	8,433
Water Only	100%	0%	Operating Expenses	Analysis Fees	Yes	Services	17,268	26,900	27,198	27,742	28,297	28,863	29,440	30,029	30,629	31,242	31,867	32,504
Water Only	100%	0%	Operating Expenses	Phones	Yes	Services	4,393	5,212	5,352	5,459	5,568	5,680	5,793	5,909	6,027	6,148	6,271	6,396
Water Only	100%	0%	Operating Expenses	Health Insurance Premiums	Yes	Benefits	37,221	37,123	37,979	39,118	40,292	41,501	42,746	44,028	45,349	46,709	48,111	49,554
Water Only	100%	0%	Operating Expenses	Dental Insurance Premiums	Yes	Benefits	1,349	1,411	1,441	1,484	1,529	1,575	1,622	1,671	1,721	1,772	1,825	1,880
Water Only	100%	0%	Operating Expenses	MIEX System Expenses	Yes	Services	-	-	-	-	-	-	-	-	-	-	-	-
Sewer Only	0%	100%	Operating Expenses	Salaries	Yes	Labor	212,513	209,733	215,424	219,732	224,127	228,610	233,182	237,846	242,602	247,454	252,404	257,452
Sewer Only	0%	100%	Operating Expenses	Electric Bills	Yes	Services	131,441	109,484	114,368	116,655	118,988	121,368	123,796	126,272	128,797	131,373	134,000	136,680
Sewer Only	0%	100%	Uniforms	WWTP	Yes	Services	2,807	2,715	3,011	3,071	3,133	3,195	3,259	3,324	3,391	3,459	3,528	3,598
Sewer Only	0%	100%	Operating Expenses	Chemicals	Yes	Supplies	27,751	33,006	34,621	35,210	35,808	36,417	37,036	37,666	38,306	38,957	39,619	40,293
Sewer Only	0%	100%	Operating Expenses	Polymer	Yes	Supplies	3,373	4,668	5,220	5,309	5,399	5,491	5,584	5,679	5,776	5,874	5,974	6,075
Sewer Only	0%	100%	Operating Expenses	Parts & Repair	Yes	Services	4,766	7,415	7,795	7,951	8,110	8,272	8,438	8,606	8,778	8,954	9,133	9,316
Sewer Only	0%	100%	Operating Expenses	Storage & Tank Maintenance	Yes	Services	-	-	-	-	-	-	-	-	-	-	-	-
Sewer Only	0%	100%	Operating Expenses	Screw Lift	Yes	Supplies	1,291	2,013	2,100	2,136	2,172	2,209	2,246	2,285	2,324	2,363	2,403	2,444
Sewer Only	0%	100%	Operating Expenses	Fuel	Yes	Supplies	3,463	2,906	2,875	2,924	2,974	3,024	3,076	3,128	3,181	3,235	3,290	3,346
Sewer Only	0%	100%	Operating Expenses	Outside	Yes	Equip/Maint	15,400	20,851	19,500	19,832	20,169	20,512	20,860	21,215	21,575	21,942	22,315	22,695
Sewer Only	0%	100%	Operating Expenses	Lab Equipment	Yes	Equip/Maint	4,690	3,765	4,700	4,780	4,861	4,944	5,028	5,113	5,200	5,289	5,379	5,470
Sewer Only	0%	100%	Operating Expenses	Industrial Pretreatment	Yes	Services	-	-	-	-	-	-	-	-	-	-	-	-
Sewer Only	0%	100%	Uniforms	WWTP	Yes	Supplies	5,322	5,558	5,525	5,619	5,714	5,812	5,910	6,011	6,113	6,217	6,323	6,430
Sewer Only	0%	100%	Operating Expenses	Sludge Disposal	Yes	Services	-	-	-	-	-	-	-	-	-	-	-	-
Sewer Only	0%	100%	Operating Expenses	General Supplies	Yes	Supplies	3,295	3,539	3,209	3,264	3,319	3,375	3,433	3,491	3,551	3,611	3,672	3,735
Sewer Only	0%	100%	Operating Expenses	Tools	Yes	Supplies	-	-	-	-	-	-	-	-	-	-	-	-
Sewer Only	0%	100%	Operating Expenses	Annual Maintenance Fees	Yes	Services	12,213	6,230	6,800	6,936	7,075	7,216	7,361	7,508	7,658	7,811	7,967	8,127
Sewer Only	0%	100%	Operating Expenses	Phones	Yes	Services	5,495	5,236	5,397	5,505	5,615	5,727	5,842	5,959	6,078	6,199	6,323	6,450
Sewer Only	0%	100%	Insurance	WWTP	Yes	Benefits	35,967	36,160	37,010	38,120	39,264	40,442	41,655	42,905	44,192	45,518	46,883	48,290
Sewer Only	0%	100%	Insurance	WWTP	Yes	Benefits	1,147	1,130	1,154	1,189	1,224	1,261	1,299	1,338	1,378	1,419	1,462	1,506
Water Only	100%	0%	Operating Expenses	Salaries	Yes	Labor	439,674	487,117	487,117	496,859	506,797	516,932	527,271	537,817	548,573	559,544	570,735	582,150
Sewer Only	0%	100%	Operating Expenses	Salaries	Yes	Labor	30,559	30,559	40,982	41,802	42,638	43,490	44,360	45,247	46,152	47,075	48,017	48,977
Water Only	100%	0%	Operating Expenses	Meter Reading	Yes	Labor	5,545	5,545	5,547	5,658	5,771	5,887	6,004	6,124	6,247	6,372	6,499	6,629
Split	68%	32%	Operating Expenses	Office Cleaning Expense	Yes	Services	-	-	-	-	-	-	-	-	-	-	-	-
Split	68%	32%	Operating Expenses	Maintenance - Electric Bills	Yes	Services	17,044	17,044	15,000	15,300	15,606	15,918	16,236	16,561	16,892	17,230	17,575	17,926
Split	68%	32%	Operating Expenses	Maintenance - Natural Gas Bill	Yes	Services	2,087	2,087	3,000	3,060	3,121	3,184	3,247	3,312	3,378	3,446	3,515	3,585
Water Only	100%	0%	Operating Expenses	Maintenance - Backflow Flush	Yes	Services	-	-	-	-	-	-	-	-	-	-	-	-
Sewer Only	0%	100%	Operating Expenses	Maintenance Sewer Line Repa	Yes	Labor	3,953	3,918	10,000	10,200	10,404	10,612	10,824	11,041	11,262	11,487	11,717	11,951
Water Only	100%	0%	Operating Expenses	Maintenance - Water Line Rep	Yes	Labor	14,458	14,426	18,000	18,360	18,727	19,102	19,484	19,873	20,271	20,676	21,090	21,512
Split	68%	32%	Operating Expenses	Maintenance - Vehicle Parts & Yes	Services	2,395	2,395	5,000	5,100	5,202	5,306	5,412	5,520	5,631	5,743	5,858	5,975	6,095
Split	68%	32%	Operating Expenses	Maintenance - Machinery Part	Yes	Services	2,531	2,530	3,000	3,060	3,121	3,184	3,247	3,312	3,378	3,446	3,515	3,585
Split	68%	32%	Operating Expenses	Maintenance - Gas/Oil/Grease	Yes	Supplies	15,397	15,397	20,000	20,340	20,686	21,037	21,395	21,759	22,129	22,505	22,887	23,277
Split	68%	32%	Operating Expenses	Maintenance - Tires	Yes	Supplies	3,074	-	-	-	-	-	-	-	-	-	-	-
Split	68%	32%	Uniforms	Maintenance - Uniforms	Yes	Supplies	10,721	10,721	12,500	12,713	12,929	13,148	13,372	13,599	13,830	14,066	14,305	14,548
Split	68%	32%	Operating Expenses	Maintenance - General Supplie	Yes	Supplies	14,807	4,581	8,350	8,492	8,636	8,783	8,932	9,084	9,239	9,396	9,556	9,718
Split	68%	32%	Operating Expenses	Maintenance - Tools	Yes	Supplies	-	-	-	-	-	-	-	-	-	-	-	-
Split	68%	32%	Operating Expenses	Maintenance - Phones	Yes	Services	7,039	7,038	6,000	6,120	6,242	6,367	6,495	6,624	6,757	6,892	7,030	7,171
Split	68%	32%	Insurance	Maintena	Yes	Benefits	94,833	94,833	102,236	105,303	108,462	111,716	115,068	118,520	122,075	125,737	129,510	133,395
Split	68%	32%	Insurance	Maintena	Yes	Benefits	2,984	2,983	4,500	4,635	4,774	4,917	5,065	5,217	5,373	5,534	5,700	5,871
Split	68%	32%	Admin Office Expen:	Office Salaries	Yes	Labor	254,351	239,528	295,000	300,900	306,918	313,056	319,317	325,704	332,218	338,862	345,640	352,552
Split	68%	32%	Admin Office Expen:	Office Electric	Yes	Services	3,348	3,347	3,500	3,570	3,641	3,714	3,789	3,864	3,942	4,020	4,101	4,183
Split	68%	32%	Admin Office Expen:	Office Natural Gas	Yes	Services	1,213	1,212	1,600	1,632	1,665	1,698	1,732	1,767	1,802	1,838	1,875	1,912
Split	68%	32%	Admin Office Expen:	Office Fuel	Yes	Supplies	549	548	1,200	1,220	1,241	1,262	1,284	1,306	1,328	1,350	1,373	1,397
Split	68%	32%	Admin Office Expen:	Office Supplies	Yes	Supplies	10,184	10,184	12,800	13,018	13,239	13,464	13,693	13,926	14,162	14,403	14,648	14,897
Split	68%	32%	Admin Office Expen:	Office Bill & Postage Expense	Yes	Supplies	39,610	39,609	40,000	40,680	41,372	42,075	42,790	43,518	44,257	45,010	45,775	46,553
Split	68%	32%	Admin Office Expen:	Phones/Internet Cable	Yes	Services	5,632	5,632	5,000	5,100	5,202	5,306	5,412	5,520	5,631	5,743	5,858	5,975
Split	68%	32%	Admin Office Expen:	Cash Over and Short	Yes	Services	-	-	-	-	-	-	-	-	-	-	-	-
Split	68%	32%	Admin Office Expen:	Billing Equipment Rental	Yes	Services	-	-	-	-	-	-	-	-	-	-	-	-

Town of Rogersville, Tennessee Rate Analysis
 Schedule 2 - Rogersville O&M Expenses

Source: Rogersville Water Comission Budget Info

Allocation Factor	Water	Sewer	Category	Description	Include?	Cost Escalator	Actual FY 2018	Actual FY 2019	Estimated FY 2020	Budgeted FY 2021	Projected FY 2022	Projected FY 2023	Projected FY 2024	Projected FY 2025	Projected FY 2026	Projected FY 2027	Projected FY 2028	Projected FY 2029
Subtotal by Category - Water							\$ 1,595,856	\$ 1,692,567	\$ 1,729,778	\$ 1,764,922	\$ 1,800,800	\$ 1,837,429	\$ 1,874,824	\$ 1,913,001	\$ 1,951,979	\$ 1,991,773	\$ 2,032,403	\$ 2,073,886
Subtotal by Category - Sewer							\$ 768,293	\$ 734,482	\$ 789,493	\$ 805,950	\$ 822,760	\$ 839,931	\$ 857,472	\$ 875,390	\$ 893,694	\$ 912,393	\$ 931,495	\$ 951,009

Town of Rogersville, Tennessee Rate Analysis
Schedule 3 - Rogersville Current Debt

Source: Rogersville

Project	Allocation	Water	Sewer	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	FY 2036	FY 2037	FY 2038	FY 2039	FY 2040	FY 2041	FY 2042	FY 2043	FY 2044	FY 2045	FY 2046	Total 2020 to 2046			
Rural Development Loan, Series 2001	Water Only	100%	0%	\$ -	\$ -	\$ 13,444	\$ 13,434	\$ 13,448	\$ 13,461	\$ 13,493	\$ 13,490	\$ 13,505	\$ 13,522	\$ 13,552	\$ 13,555	\$ 13,573	\$ 13,593	\$ 13,622	\$ 13,633	\$ 13,654	\$ 13,676	\$ 13,706	\$ 13,725	\$ 13,751	\$ 13,777	\$ 13,800	\$ 13,825	\$ 13,848	\$ 13,868	\$ 13,886	\$ 13,902	\$ 13,917	\$ -	\$ 274,326		
SRF Loan, Series 2018	Water Only	100%	0%	\$ -	\$ -	\$ 138,100	\$ 138,137	\$ 138,171	\$ 138,205	\$ 138,242	\$ 138,278	\$ 138,318	\$ 138,354	\$ 138,394	\$ 138,430	\$ 138,461	\$ 138,491	\$ 138,521	\$ 138,551	\$ 138,581	\$ 138,611	\$ 138,641	\$ 138,671	\$ 138,701	\$ 138,731	\$ 138,761	\$ 138,791	\$ 138,821	\$ 138,851	\$ 138,881	\$ 138,911	\$ 138,941	\$ 138,971	\$ -	\$ 1,381,905	
General Obligation Refunding Bonds, Series 2012 - W&S Portion	Split	68%	32%	\$ -	\$ -	\$ 126,850	\$ 126,750	\$ 126,648	\$ 126,545	\$ 126,442	\$ 126,338	\$ 126,235	\$ 126,132	\$ 126,028	\$ 125,925	\$ 125,821	\$ 125,718	\$ 125,615	\$ 125,512	\$ 125,408	\$ 125,305	\$ 125,202	\$ 125,098	\$ 124,995	\$ 124,892	\$ 124,788	\$ 124,685	\$ 124,582	\$ 124,478	\$ 124,375	\$ 124,272	\$ 124,168	\$ 124,065	\$ -	\$ 1,020,100	
General Obligation Bonds, Series 2015B - Water & Sewer Portion	Split	68%	32%	\$ -	\$ -	\$ 103,618	\$ 103,218	\$ 102,818	\$ 102,418	\$ 102,018	\$ 101,618	\$ 101,218	\$ 100,818	\$ 100,418	\$ 100,018	\$ 99,618	\$ 99,218	\$ 98,818	\$ 98,418	\$ 98,018	\$ 97,618	\$ 97,218	\$ 96,818	\$ 96,418	\$ 96,018	\$ 95,618	\$ 95,218	\$ 94,818	\$ 94,418	\$ 94,018	\$ 93,618	\$ 93,218	\$ 92,818	\$ 92,418	\$ -	\$ 1,856,713
General Obligation Bonds, Series 2018	Split	68%	32%	\$ -	\$ -	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ 64,981	\$ -	\$ 2,882,669	
Depreciation Expense	Split	68%	32%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Long Term Debt Interest	Split	68%	32%	\$ 107,185	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Split	68%	32%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Split	50%	50%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Split	50%	50%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Total Water and Sewer Debt Service				\$ 107,185	\$ 111,405	\$ 466,997	\$ 533,520	\$ 527,918	\$ 532,065	\$ 525,859	\$ 529,579	\$ 522,817	\$ 526,897	\$ 456,472	\$ 257,751	\$ 252,794	\$ 252,551	\$ 252,034	\$ 256,095	\$ 259,854	\$ 252,926	\$ 150,731	\$ 151,725	\$ 152,551	\$ 153,202	\$ 137,423	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,145,762		
Total Debt Service				\$ 107,186	\$ 111,405	\$ 466,997	\$ 533,520	\$ 527,918	\$ 532,065	\$ 525,859	\$ 529,579	\$ 522,817	\$ 526,897	\$ 456,472	\$ 257,751	\$ 252,794	\$ 252,551	\$ 252,034	\$ 256,095	\$ 259,854	\$ 252,926	\$ 150,731	\$ 151,725	\$ 152,551	\$ 153,202	\$ 137,423	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,145,762		
Water				\$ 72,636	\$ 75,735	\$ 372,453	\$ 437,697	\$ 433,963	\$ 435,758	\$ 421,539	\$ 431,979	\$ 420,490	\$ 420,310	\$ 345,505	\$ 179,659	\$ 176,244	\$ 176,584	\$ 175,742	\$ 178,507	\$ 181,070	\$ 176,365	\$ 136,883	\$ 137,565	\$ 138,315	\$ 138,586	\$ 94,315	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,362,728		
Sewer				\$ 34,300	\$ 35,650	\$ 94,544	\$ 115,824	\$ 114,016	\$ 115,328	\$ 113,320	\$ 114,500	\$ 112,319	\$ 111,687	\$ 110,967	\$ 78,143	\$ 76,551	\$ 76,466	\$ 76,292	\$ 77,588	\$ 78,784	\$ 76,560	\$ 43,848	\$ 44,160	\$ 44,416	\$ 44,616	\$ 43,108	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,783,034		

Town of Rogersville, Tennessee Rate Analysis
Schedule 4A - Rogersville Needed Sinking Fund Funded at 25%

Source: Town of Rogersville

Project Title	Priority	Allocation	Water	Sewer	Cash	Debt	Grant	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2020-2029
Water System Yearly Replacement Fund (lines, tanks, pump stations)	1	Water Only	100%	0%	100%	0%	0%			\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$ 480,000
Water Plant Replacement Fund	1	Water Only	100%	0%	100%	0%	0%			\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$ 480,000
Sewer System Yearly Replacement Fund (lines, manholes, pump stations)	1	Sewer Only	0%	100%	100%	0%	0%			\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	\$ 600,000
Sewer Plant Replacement Fund	2	Sewer Only	0%	100%	100%	0%	0%			\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$ 800,000
	2	Split	68%	32%	0%	70%	30%											\$ -
	2	Split	68%	32%	0%	70%	30%											\$ -
	2	Split	68%	32%	0%	70%	30%											\$ -
	2	Split	68%	32%	0%	70%	30%											\$ -
	3	Split	68%	32%	0%	70%	30%											\$ -
	3	Split	68%	32%	0%	70%	30%											\$ -
	1	Split	68%	32%	0%	70%	30%											\$ -
	1	Split	68%	32%	0%	70%	30%											\$ -
	2	Split	68%	32%	0%	70%	30%											\$ -
	2	Split	68%	32%	0%	70%	30%											\$ -
	2	Split	68%	32%	0%	70%	30%											\$ -
	2	Split	68%	32%	0%	70%	30%											\$ -
	3	Split	68%	32%	0%	70%	30%											\$ -
	3	Split	68%	32%	0%	70%	30%											\$ -
Total CIP								\$ -	\$ -	\$ 295,000	\$ 295,000	\$ 295,000	\$ 295,000	\$ 295,000	\$ 295,000	\$ 295,000	\$ 295,000	\$ 2,360,000
Subtotal by Funding																		
		Water																\$ 960,000
		Cash																\$ 960,000
		Debt																\$ -
		Grant																\$ -
		Sewer																\$ 1,400,000
		Cash																\$ 1,400,000
		Debt																\$ -
		Grant																\$ -

Town of Rogersville, Tennessee Rate Analysis
 Schedule 4B - Rogersville saves no funds for Sinking Fund

Source: Town of Rogersville

Project Title	Priority	Allocation	Water	Sewer	Cash	Debt	Grant	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2020-2029	
1 Water Only			100%	0%	100%	0%	0%											\$ -	
1 Water Only			100%	0%	100%	0%	0%											\$ -	
1 Sewer Only			0%	100%	100%	0%	0%											\$ -	
2 Sewer Only			0%	100%	100%	0%	0%											\$ -	
2 Split			68%	32%	0%	70%	30%											\$ -	
2 Split			68%	32%	0%	70%	30%											\$ -	
2 Split			68%	32%	0%	70%	30%											\$ -	
2 Split			68%	32%	0%	70%	30%											\$ -	
3 Split			68%	32%	0%	70%	30%											\$ -	
3 Split			68%	32%	0%	70%	30%											\$ -	
1 Split			68%	32%	0%	70%	30%											\$ -	
1 Split			68%	32%	0%	70%	30%											\$ -	
2 Split			68%	32%	0%	70%	30%											\$ -	
2 Split			68%	32%	0%	70%	30%											\$ -	
2 Split			68%	32%	0%	70%	30%											\$ -	
2 Split			68%	32%	0%	70%	30%											\$ -	
3 Split			68%	32%	0%	70%	30%											\$ -	
Total CIP								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Subtotal by Funding																			
Water								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cash								-	-	-	-	-	-	-	-	-	-	-	
Debt								-	-	-	-	-	-	-	-	-	-	-	
Grant								-	-	-	-	-	-	-	-	-	-	-	
Sewer								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Cash								-	-	-	-	-	-	-	-	-	-	-	-
Debt								-	-	-	-	-	-	-	-	-	-	-	
Grant								-	-	-	-	-	-	-	-	-	-	-	-

Town of Rogersville, Tennessee Rate Analysis
Schedule 5 - Rogersville New Debt

Debt Financing	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Debt Funded Project Total	-	-	-	-	-	-	-	-	-	-
% Water	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% Sewer	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Issuance Costs (% of Principal)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Debt Funded Amount	-	-	-	-	-	-	-	-	-	-
Year of Issue Interest Payment	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Year of Issue	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Interest Rate on Borrowings	3.0%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Maturity	20	20	20	20	20	20	20	20	20	20

Payment Schedule	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
FY 2020	0	1	2	3	4	5	6	7	8	9
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total 2020 Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Outstanding Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2021		0	1	2	3	4	5	6	7	8
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total 2021 Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Outstanding Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2022			0	1	2	3	4	5	6	7
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total 2022 Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Outstanding Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2023				0	1	2	3	4	5	6
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total 2023 Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Outstanding Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2024					0	1	2	3	4	5
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total 2024 Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Outstanding Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2025						0	1	2	3	4
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total 2025 Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Outstanding Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

													0	1	2	3
FY 2026																
Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Interest	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total 2026 Payment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Outstanding Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
FY 2027														0	1	2
Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Interest	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total 2027 Payment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Outstanding Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
FY 2028															0	1
Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Interest	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total 2028 Payment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Outstanding Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
FY 2029																0
Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Interest	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total 2029 Payment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Outstanding Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Totals																
Water	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Interest	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Outstanding Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Sewer	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Interest	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Outstanding Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

Town of Rogersville, Tennessee Rate Analysis
Schedule 5A - M&C Identified New Debt

Debt Financing	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Debt Funded Project Total	-	-	-	-	-	-	-	-	-	-
% Water	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
% Sewer	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Issuance Costs (% of Principal)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Debt Funded Amount	-	-	-	-	-	-	-	-	-	-
Year of Issue Interest Payment	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Year of Issue	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Interest Rate on Borrowings	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Maturity	25	25	25	25	25	25	25	25	25	25

Payment Schedule	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
FY 2020	0	1	2	3	4	5	6	7	8	9
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total 2020 Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Outstanding Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2021		0	1	2	3	4	5	6	7	8
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total 2021 Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Outstanding Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2022			0	1	2	3	4	5	6	7
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total 2022 Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Outstanding Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2023				0	1	2	3	4	5	6
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total 2023 Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Outstanding Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2024					0	1	2	3	4	5
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total 2024 Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Outstanding Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2025						0	1	2	3	4
Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total 2025 Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Outstanding Principal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

														0	1	2	3
FY 2026																	
Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Interest	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Total 2026 Payment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Outstanding Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
FY 2027															0	1	2
Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Interest	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Total 2027 Payment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Outstanding Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
FY 2028																0	1
Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Interest	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Total 2028 Payment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Outstanding Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
FY 2029																	0
Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Interest	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Total 2029 Payment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Outstanding Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Totals																	
Water	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Interest	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Outstanding Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Sewer	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Interest	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
Outstanding Principal	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$

Town of Rogersville, Tennessee Rate Analysis
Schedule 7 - Town of Rogersville Revenue Requirements with Sinking Fund Funded at 25%

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Water System										
Operating and Capital Costs										
Town of Rogersville Operating Expenses	1,729,778	1,764,922	1,800,800	1,837,429	1,874,824	1,913,001	1,951,979	1,991,773	2,032,403	2,073,886
Town of Rogersville Current Debt Service	372,453	417,697	413,903	416,738	412,539	415,079	410,499	409,210	345,505	179,609
Cash Funded Capital Projects	-	-	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000
New Debt Service	-	-	-	-	-	-	-	-	-	-
Total Revenue Requirement	\$ 2,102,231	\$ 2,182,619	\$ 2,334,703	\$ 2,374,166	\$ 2,407,363	\$ 2,448,080	\$ 2,482,477	\$ 2,520,983	\$ 2,497,908	\$ 2,373,494
Less Miscellaneous Rogersville Revenues	(312,655)	(312,655)	(312,655)	(312,655)	(312,655)	(312,655)	(312,655)	(312,655)	(312,655)	(312,655)
Net Revenue Requirement	\$ 1,789,575	\$ 1,869,963	\$ 2,022,048	\$ 2,061,511	\$ 2,094,708	\$ 2,135,425	\$ 2,169,822	\$ 2,208,328	\$ 2,185,253	\$ 2,060,839
Sewer System										
Operating and Capital Costs										
Town of Rogersville Operating Expenses	789,493	805,950	822,760	839,931	857,472	875,390	893,694	912,393	931,495	951,009
Town of Rogersville Current Debt Service	94,544	115,824	114,016	115,328	113,320	114,500	112,319	111,687	110,967	78,143
Cash Funded Capital Projects	-	-	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000
New Debt Service	-	-	-	-	-	-	-	-	-	-
Total Revenue Requirement	\$ 884,037	\$ 921,774	\$ 1,111,776	\$ 1,130,259	\$ 1,145,792	\$ 1,164,890	\$ 1,181,013	\$ 1,199,080	\$ 1,217,462	\$ 1,204,152
Less Miscellaneous Rogersville Revenues	(22,125)	(22,125)	(22,125)	(22,125)	(22,125)	(22,125)	(22,125)	(22,125)	(22,125)	(22,125)
Net Revenue Requirement	\$ 861,912	\$ 899,649	\$ 1,089,651	\$ 1,108,134	\$ 1,123,667	\$ 1,142,765	\$ 1,158,888	\$ 1,176,955	\$ 1,195,337	\$ 1,182,027

**Town of Rogersville, Tennessee Rate Analysis
Schedule 8 - Rates, Customers and Usage**

Source: *ORDINANCE NO.10-9-18-1.docx*

Rogersville FY 2020 Monthly Rates (per 1,000 gallons)

Tiers	Usage		Water		Sewer	
			Inside	Outside	Inside	Outside
Minimum	0	1,000	\$ 13.59	\$ 22.70	\$ 8.45	\$ 8.45
Over Minimum	1000	5,000	\$ 6.32	\$ 10.33	\$ 5.26	\$ 5.26
	5000	10,000	\$ 5.49	\$ 8.94	\$ 5.26	\$ 5.26
	10000	20,000	\$ 4.96	\$ 7.98	\$ 5.26	\$ 5.26
	20000	40,000	\$ 4.14	\$ 6.54	\$ 5.26	\$ 5.26

Source: *Rogersville Rates.pdf*

Town of Rogersville, Tennessee Rate Analysis
Schedule 8A - Customers and Usage Projections

Rogersville Customer Data Source: Rogersville

Class	Actual FY 2019	Projected FY 2020	Projected FY 2021	Projected FY 2022	Projected FY 2023	Projected FY 2024	Projected FY 2025	Projected FY 2026	Projected FY 2027	Projected FY 2028	Projected FY 2029
CUSTOMERS											
WATER											
Town of Rogersville											
Inside											
Customers Using (1,000 Gal)	2,408	2,408	2,408	2,408	2,408	2,408	2,408	2,408	2,408	2,408	2,408
Customers Using (1,000+ Gal) BEGINNING FY 22			1,895	1,895	1,895	1,895	1,895	1,895	1,895	1,895	1,895
Customers Using (1,000-5,000 Gal)	1,895	1,895	1,895								
Customers Using (5,000-10,000 Gal)	249	249	249								
Customers Using (10,000-20,000 Gal)	68	68	68								
Customers Using (20,000+ Gal)	33	33	33								
Outside											
Customers Using (1,000 Gal)	2,092	2,092	2,092	2,092	2,092	2,092	2,092	2,092	2,092	2,092	2,092
Customers Using (1,000+ Gal) BEGINNING FY 22			1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766
Customers Using (1,000-5,000 Gal)	1,766	1,766	1,766								
Customers Using (5,000-10,000 Gal)	282	282	282								
Customers Using (10,000-20,000 Gal)	29	29	29								
Customers Using (20,000+ Gal)	5	5	5								
Total Water System Customers	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500
SEWER											
Town of Rogersville											
Inside											
Customers Using (1,000 Gal)	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149	2,149
Customers Using (1,000+ Gal)	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815
Outside											
Customers Using (1,000 Gal)	72	72	72	72	72	72	72	72	72	72	72
Customers Using (1,000+ Gal)	68	68	68	68	68	68	68	68	68	68	68
Total Sewer System Customers	2,221	2,221	2,221	2,221	2,221	2,221	2,221	2,221	2,221	2,221	2,221
USAGE (IN GALLONS)											
WATER											
Town of Rogersville											
Inside											
Minimum Usage (Under 1,000 Gal)	28,896,000	28,896,000	28,896,000	28,896,000	28,896,000	28,896,000	28,896,000	28,896,000	28,896,000	28,896,000	28,896,000
Billable Usage (1,000+ Gal) BEGINNING FY 22			77,208,920	77,208,920	77,208,920	77,208,920	77,208,920	77,208,920	77,208,920	77,208,920	77,208,920
Billable Usage (1,000-5,000 Gal)	41,409,720	41,409,720	41,409,720								
Billable Usage (5,000-10,000 Gal)	7,250,300	7,250,300	7,250,300								
Billable Usage (10,000-20,000 Gal)	6,029,400	6,029,400	6,029,400								
Billable Usage (20,000+ Gal)	22,519,500	22,519,500	22,519,500								
Outside											
Minimum Usage (Under 1,000 Gal)	25,104,000	25,104,000	25,104,000	25,104,000	25,104,000	25,104,000	25,104,000	25,104,000	25,104,000	25,104,000	25,104,000
Billable Usage (1,000+ Gal) BEGINNING FY 22			51,778,866	51,778,866	51,778,866	51,778,866	51,778,866	51,778,866	51,778,866	51,778,866	51,778,866
Billable Usage (1,000-5,000 Gal)	43,616,377	43,616,377	43,616,377								
Billable Usage (5,000-10,000 Gal)	6,211,089	6,211,089	6,211,089								
Billable Usage (10,000-20,000 Gal)	1,416,200	1,416,200	1,416,200								
Billable Usage (20,000+ Gal)	535,200	535,200	535,200								
Total Water System Usage											
Minimum Usage (Under 1,000 Gal)	54,000,000	54,000,000	54,000,000	54,000,000	54,000,000	54,000,000	54,000,000	54,000,000	54,000,000	54,000,000	54,000,000
Billable Usage	128,987,786	128,987,786	128,987,786	128,987,786	128,987,786	128,987,786	128,987,786	128,987,786	128,987,786	128,987,786	128,987,786
SEWER											
Town of Rogersville											
Inside											
Minimum Usage (Under 1,000 Gal)	25,788,000	25,788,000	25,788,000	25,788,000	25,788,000	25,788,000	25,788,000	25,788,000	25,788,000	25,788,000	25,788,000
Billable Usage	92,246,613	92,246,613	92,246,613	92,246,613	92,246,613	92,246,613	92,246,613	92,246,613	92,246,613	92,246,613	92,246,613
Outside											
Minimum Usage (Under 1,000 Gal)	864,000	864,000	864,000	864,000	864,000	864,000	864,000	864,000	864,000	864,000	864,000
Billable Usage	751,504	751,504	751,504	751,504	751,504	751,504	751,504	751,504	751,504	751,504	751,504
Total Sewer System Usage											
Minimum Usage (Under 1,000 Gal)	26,652,000	26,652,000	26,652,000	26,652,000	26,652,000	26,652,000	26,652,000	26,652,000	26,652,000	26,652,000	26,652,000
Billable Usage	92,998,117	92,998,117	92,998,117	92,998,117	92,998,117	92,998,117	92,998,117	92,998,117	92,998,117	92,998,117	92,998,117

Town of Rogersville, Tennessee Rate Analysis
 Schedule 9 - Town of Rogersville Rates - with Sinking Fund Funded at 25%

Town of Rogersville	Actual FY 2020	Actual FY 2021	Projected FY 2022	Projected FY 2023	Projected FY 2024	Projected FY 2025	Projected FY 2026	Projected FY 2027	Projected FY 2028	Projected FY 2029
Water Rates										
Inside Rates										
% Increase in Monthly Minimum Charge		0.0%	5.0%	4.0%	4.0%	4.0%	3.0%	1.5%	0.0%	0.0%
Monthly Minimum Charge	\$ 13.59	\$ 13.59	\$ 14.27	\$ 14.84	\$ 15.43	\$ 16.05	\$ 16.53	\$ 16.78	\$ 16.78	\$ 16.78
% Increase in Usage Charge			5.0%	4.0%	4.0%	4.0%	3.0%	1.5%	0.0%	0.0%
Usage Charge over 1,000+ gallons (per 1,000 gallons) BEGINNING FY 22	\$ 6.32	\$ 6.32	\$ 6.64	\$ 6.90	\$ 7.18	\$ 7.46	\$ 7.69	\$ 7.80	\$ 7.80	\$ 7.80
% Increase in Usage Charge		0.0%								
Usage Charge over 1,000-5,000 gallons (per 1,000 gallons)	\$ 6.32	\$ 6.32								
% Increase in Usage Charge		0.0%								
Usage Charge over 5,000-10,000 gallons (per 1,000 gallons)	\$ 5.49	\$ 5.49								
% Increase in Usage Charge		0.0%								
Usage Charge over 10,000-20,000 gallons (per 1,000 gallons)	\$ 4.96	\$ 4.96								
% Increase in Usage Charge		0.0%								
Usage Charge over 20,000 gallons (per 1,000 gallons)	\$ 4.14	\$ 4.14								
Outside Rates										
% Increase in Monthly Minimum Charge		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%
Monthly Minimum Charge	\$ 22.70	\$ 22.70	\$ 22.70	\$ 22.70	\$ 22.70	\$ 22.70	\$ 22.70	\$ 23.04	\$ 23.04	\$ 23.04
% Increase in Usage Charge			0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%
Usage Charge over 1,000+ gallons (per 1,000 gallons) BEGINNING FY 22	\$ 10.33	\$ 10.33	\$ 10.33	\$ 10.33	\$ 10.33	\$ 10.33	\$ 10.33	\$ 10.48	\$ 10.48	\$ 10.48
% Increase in Usage Charge		0.0%								
Usage Charge over 1,000-5,000 gallons (per 1,000 gallons)	\$ 10.33	\$ 10.33								
% Increase in Usage Charge		0.0%								
Usage Charge over 5,000-10,000 gallons (per 1,000 gallons)	\$ 8.94	\$ 8.94								
% Increase in Usage Charge		0.0%								
Usage Charge over 10,000-20,000 gallons (per 1,000 gallons)	\$ 7.98	\$ 7.98								
% Increase in Usage Charge		0.0%								
Usage Charge over 20,000 gallons (per 1,000 gallons)	\$ 6.54	\$ 6.54								
Minimum Charge Revenue (INSIDE TOWN)	\$ 392,697	\$ 392,697	\$ 412,331	\$ 428,825	\$ 445,978	\$ 463,817	\$ 477,731	\$ 484,897	\$ 484,897	\$ 484,897
Minimum Charge Revenue (OUTSIDE TOWN)	\$ 569,861	\$ 569,861	\$ 569,861	\$ 569,861	\$ 569,861	\$ 569,861	\$ 569,861	\$ 578,409	\$ 578,409	\$ 578,409
Billable Usage Charge Revenue (1,000+ gallons usage) BEGINNING FY22, INSIDE TOWN			\$ 512,358	\$ 532,853	\$ 554,167	\$ 576,334	\$ 593,624	\$ 602,528	\$ 602,528	\$ 602,528
Billable Usage Charge Revenue (1,000+ gallons usage) BEGINNING FY22, OUTSIDE TOWN			\$ 534,876	\$ 534,876	\$ 534,876	\$ 534,876	\$ 534,876	\$ 542,899	\$ 542,899	\$ 542,899
Billable Usage Charge Revenue (1,000-5,000 gallons usage)	\$ 712,267	\$ 712,267								
Billable Usage Charge Revenue (5,000-10,000 gallons usage)	\$ 95,331	\$ 95,331								
Billable Usage Charge Revenue (10,000-20,000 gallons usage)	\$ 41,207	\$ 41,207								
Billable Usage Charge Revenue (20,000+ gallons usage)	\$ 96,731	\$ 96,731								
Total Collected Revenues	\$ 1,908,093	\$ 1,908,093	\$ 2,029,426	\$ 2,066,414	\$ 2,104,881	\$ 2,144,887	\$ 2,176,091	\$ 2,208,733	\$ 2,208,733	\$ 2,208,733
Net Revenue Requirements	\$ 1,789,575	\$ 1,869,963	\$ 2,022,048	\$ 2,061,511	\$ 2,094,708	\$ 2,135,425	\$ 2,169,822	\$ 2,208,328	\$ 2,185,253	\$ 2,060,839
Surplus / (Shortfall)	\$ 118,518	\$ 38,130	\$ 7,378	\$ 4,903	\$ 10,173	\$ 9,462	\$ 6,269	\$ 405	\$ 23,480	\$ 147,894
Sewer Rates										
Inside Rates										
% Increase in Monthly Minimum Charge		0.0%	90.0%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	0.0%
Monthly Minimum Charge	\$ 8.45	\$ 8.45	\$ 16.06	\$ 16.30	\$ 16.54	\$ 16.79	\$ 17.04	\$ 17.30	\$ 17.56	\$ 17.56
% Increase in Usage Charge		0.0%	37.0%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	0.0%

Usage Charge over 1,000 gallons (per 1,000 gallons)	\$ 5.26	\$ 5.26	\$ 7.21	\$ 7.31	\$ 7.42	\$ 7.54	\$ 7.65	\$ 7.76	\$ 7.88	\$ 7.88
Outside Rates										
% Increase in Monthly Minimum Charge		0.0%	90.0%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	0.0%
Monthly Minimum Charge	\$ 8.45	\$ 8.45	\$ 16.06	\$ 16.30	\$ 16.54	\$ 16.79	\$ 17.04	\$ 17.30	\$ 17.56	\$ 17.56
% Increase in Usage Charge		0.0%	37.0%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	0.0%
Usage Charge over 1,000 gallons (per 1,000 gallons)	\$ 5.26	\$ 5.26	\$ 7.21	\$ 7.31	\$ 7.42	\$ 7.54	\$ 7.65	\$ 7.76	\$ 7.88	\$ 7.88
Mnimum Charge Revenue	\$ 225,209	\$ 225,209	\$ 427,898	\$ 434,316	\$ 440,831	\$ 447,444	\$ 454,155	\$ 460,968	\$ 467,882	\$ 467,882
Billable Usage Charge Revenue	\$ 489,170	\$ 489,170	\$ 670,163	\$ 680,215	\$ 690,419	\$ 700,775	\$ 711,287	\$ 721,956	\$ 732,785	\$ 732,785
Total Collected Revenues	\$ 714,379	\$ 714,379	\$ 1,098,061	\$ 1,114,532	\$ 1,131,250	\$ 1,148,219	\$ 1,165,442	\$ 1,182,923	\$ 1,200,667	\$ 1,200,667
Net Revenue Requirements	\$ 861,912	\$ 899,649	\$ 1,089,651	\$ 1,108,134	\$ 1,123,667	\$ 1,142,765	\$ 1,158,888	\$ 1,176,955	\$ 1,195,337	\$ 1,182,027
Surplus / (Shortfall)	\$ (147,533)	\$ (185,269)	\$ 8,410	\$ 6,398	\$ 7,583	\$ 5,454	\$ 6,554	\$ 5,969	\$ 5,330	\$ 18,640

Town of Rogersville, Tennessee Rate Analysis
Schedule 10 - Inside/Outside Analysis

Operating Expenses:	Actual	Allocated Expenses		Allocations	
	6/30/2019	Inside	Outside		
Water Treatment	\$ 663,588.00	\$ 381,762.18	\$ 281,825.82	57.53%	42.47%
Water Distridution	\$ 615,627.00	\$ 235,107.95	\$ 380,519.05	38.19%	61.81%
Administration	\$ 413,367.00	\$ 221,192.68	\$ 192,174.32	53.51%	46.49%
Depreciation	\$ 363,800.00	\$ 174,114.68	\$ 189,685.32	47.86%	52.14%
Total Operating Expenses	\$ 2,056,382.00	\$ 1,012,177.49	\$ 1,044,204.51		
		49.22%	50.78%		

Based on % of Gallons Used
Based on % of Lines
Based on % of Customers
Based on combination of % of
Gallons Used and % of Lines

Allocation Based on Gallons Used	# of Gallons	%
Inside Town	102,203,600	57.53%
Outside Town	75,446,963	42.47%
	177,650,563	100.00%

Allocations Based on Length of Lines	Feet	%
Inside Town	298,755	38.19%
Outside Town	483542	61.81%
	782,297	100.00%

Allocations Based on # of Customers	Customers	%
Inside Town	2,408	53.51%
Outside Town	2092	46.49%
	4,500	100.00%

Assumptions:

Town of Rogersville banks 25% of the yearly utility system replacement cost to get typical utility bill up to 3.0% +/- of Median Household Income

Town of Rogersville Water System	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Operating and Capital Costs										
Town of Rogersville Operating Expenses	1,729,778	1,764,922	1,800,800	1,837,429	1,874,824	1,913,001	1,951,979	1,991,773	2,032,403	2,073,886
Town of Rogersville Current Debt Service	372,453	417,697	413,903	416,738	412,539	415,079	410,499	409,210	345,505	179,609
Cash Funded Capital Projects	-	-	120,000	120,000	120,000	120,000	120,000	120,000	120,000	120,000
New Debt Service	-	-	-	-	-	-	-	-	-	-
Total Revenue Requirement	\$ 2,102,231	\$ 2,182,619	\$ 2,334,703	\$ 2,374,166	\$ 2,407,363	\$ 2,448,080	\$ 2,482,477	\$ 2,520,983	\$ 2,497,908	\$ 2,373,494
Less Miscellaneous Rogersville Revenues	(312,655)	(312,655)	(312,655)	(312,655)	(312,655)	(312,655)	(312,655)	(312,655)	(312,655)	(312,655)
Net Revenue Requirement	\$ 1,789,575	\$ 1,869,963	\$ 2,022,048	\$ 2,061,511	\$ 2,094,708	\$ 2,135,425	\$ 2,169,822	\$ 2,208,328	\$ 2,185,253	\$ 2,060,839

Water Rates

Inside Rates

Monthly Minimum Charge	\$ 13.59	\$ 13.59	\$ 14.27	\$ 14.84	\$ 15.43	\$ 16.05	\$ 16.53	\$ 16.78	\$ 16.78	\$ 16.78
Usage Charge over 1,000+ gallons (per 1,000 gallons) BEGINNING FY 22	\$ -	\$ -	\$ 6.64	\$ 6.90	\$ 7.18	\$ 7.46	\$ 7.69	\$ 7.80	\$ 7.80	\$ 7.80
Usage Charge over 1,000-5,000 gallons (per 1,000 gallons)	\$ 6.32	\$ 6.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Usage Charge over 5,000-10,000 gallons (per 1,000 gallons)	\$ 5.49	\$ 5.49	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Usage Charge over 10,000-20,000 gallons (per 1,000 gallons)	\$ 4.96	\$ 4.96	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Usage Charge over 20,000 gallons (per 1,000 gallons)	\$ 4.14	\$ 4.14	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Outside Rates

Monthly Minimum Charge	\$ 22.70	\$ 22.70	\$ 22.70	\$ 22.70	\$ 22.70	\$ 22.70	\$ 22.70	\$ 23.04	\$ 23.04	\$ 23.04
Usage Charge over 1,000+ gallons (per 1,000 gallons) BEGINNING FY 22	\$ -	\$ -	\$ 10.33	\$ 10.33	\$ 10.33	\$ 10.33	\$ 10.33	\$ 10.48	\$ 10.48	\$ 10.48
Usage Charge over 1,000-5,000 gallons (per 1,000 gallons)	\$ 10.33	\$ 10.33	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Usage Charge over 5,000-10,000 gallons (per 1,000 gallons)	\$ 8.94	\$ 8.94	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Usage Charge over 10,000-20,000 gallons (per 1,000 gallons)	\$ 7.98	\$ 7.98	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Usage Charge over 20,000 gallons (per 1,000 gallons)	\$ 6.54	\$ 6.54	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Minimum Charge Revenue (INSIDE TOWN)	\$ 392,697	\$ 392,697	\$ 412,331	\$ 428,825	\$ 445,978	\$ 463,817	\$ 477,731	\$ 484,897	\$ 484,897	\$ 484,897
Minimum Charge Revenue (OUTSIDE TOWN)	\$ 569,861	\$ 569,861	\$ 569,861	\$ 569,861	\$ 569,861	\$ 569,861	\$ 569,861	\$ 578,409	\$ 578,409	\$ 578,409
Billable Usage Charge Revenue (1,000+ gallons usage) BEGINNING FY22, INSIDE TOWN	\$ -	\$ -	\$ 512,358	\$ 532,853	\$ 554,167	\$ 576,334	\$ 593,624	\$ 602,528	\$ 602,528	\$ 602,528
Billable Usage Charge Revenue (1,000+ gallons usage) BEGINNING FY22, OUTSIDE TOWN	\$ -	\$ -	\$ 534,876	\$ 534,876	\$ 534,876	\$ 534,876	\$ 534,876	\$ 542,899	\$ 542,899	\$ 542,899
Billable Usage Charge Revenue (1,000-5,000 gallons usage)	\$ 712,267	\$ 712,267	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Billable Usage Charge Revenue (5,000-10,000 gallons usage)	\$ 95,331	\$ 95,331	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Billable Usage Charge Revenue (10,000-20,000 gallons usage)	\$ 41,207	\$ 41,207	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Billable Usage Charge Revenue (20,000+ gallons usage)	\$ 96,731	\$ 96,731	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Total Collected Revenues	\$ 1,908,093	\$ 1,908,093	\$ 2,029,426	\$ 2,066,414	\$ 2,104,881	\$ 2,144,887	\$ 2,176,091	\$ 2,208,733	\$ 2,208,733	\$ 2,208,733
Net Revenue Requirements	\$ 1,789,575	\$ 1,869,963	\$ 2,022,048	\$ 2,061,511	\$ 2,094,708	\$ 2,135,425	\$ 2,169,822	\$ 2,208,328	\$ 2,185,253	\$ 2,060,839
Surplus / (Shortfall)	\$ 118,518	\$ 38,130	\$ 7,378	\$ 4,903	\$ 10,173	\$ 9,462	\$ 6,269	\$ 405	\$ 23,480	\$ 147,894

Town of Rogersville Sewer System	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029
Operating and Capital Costs										
Town of Rogersville Operating Expenses	789,493	805,950	822,760	839,931	857,472	875,390	893,694	912,393	931,495	951,009
Town of Rogersville Current Debt Service	94,544	115,824	114,016	115,328	113,320	114,500	112,319	111,687	110,967	78,143
Cash Funded Capital Projects	-	-	175,000	175,000	175,000	175,000	175,000	175,000	175,000	175,000
New Debt Service	-	-	-	-	-	-	-	-	-	-
Total Revenue Requirement	\$ 884,037	\$ 921,774	\$ 1,111,776	\$ 1,130,259	\$ 1,145,792	\$ 1,164,890	\$ 1,181,013	\$ 1,199,080	\$ 1,217,462	\$ 1,204,152
Less Miscellaneous Rogersville Revenues	(22,125)	(22,125)	(22,125)	(22,125)	(22,125)	(22,125)	(22,125)	(22,125)	(22,125)	(22,125)
Net Revenue Requirement	\$ 861,912	\$ 899,649	\$ 1,089,651	\$ 1,108,134	\$ 1,123,667	\$ 1,142,765	\$ 1,158,888	\$ 1,176,955	\$ 1,195,337	\$ 1,182,027

Sewer Rates

Inside Rates

Monthly Minimum Charge	\$ 8.45	\$ 8.45	\$ 16.06	\$ 16.30	\$ 16.54	\$ 16.79	\$ 17.04	\$ 17.30	\$ 17.56	\$ 17.56
Usage Charge over 1,000 gallons (per 1,000 gallons)	\$ 5.26	\$ 5.26	\$ 7.21	\$ 7.31	\$ 7.42	\$ 7.54	\$ 7.65	\$ 7.76	\$ 7.88	\$ 7.88

Outside Rates

Monthly Minimum Charge	\$ 8.45	\$ 8.45	\$ 16.06	\$ 16.30	\$ 16.54	\$ 16.79	\$ 17.04	\$ 17.30	\$ 17.56	\$ 17.56
Usage Charge over 1,000 gallons (per 1,000 gallons)	\$ 5.26	\$ 5.26	\$ 7.21	\$ 7.31	\$ 7.42	\$ 7.54	\$ 7.65	\$ 7.76	\$ 7.88	\$ 7.88

Minimum Charge Revenue	\$ 225,209	\$ 225,209	\$ 427,898	\$ 434,316	\$ 440,831	\$ 447,444	\$ 454,155	\$ 460,968	\$ 467,882	\$ 467,882
Billable Usage Charge Revenue	\$ 489,170	\$ 489,170	\$ 670,163	\$ 680,215	\$ 690,419	\$ 700,775	\$ 711,287	\$ 721,956	\$ 732,785	\$ 732,785

Total Collected Revenues	\$ 714,379	\$ 714,379	\$ 1,098,061	\$ 1,114,532	\$ 1,131,250	\$ 1,148,219	\$ 1,165,442	\$ 1,182,923	\$ 1,200,667	\$ 1,200,667
Net Revenue Requirements	\$ 861,912	\$ 899,649	\$ 1,089,651	\$ 1,108,134	\$ 1,123,667	\$ 1,142,765	\$ 1,158,888	\$ 1,176,955	\$ 1,195,337	\$ 1,182,027
Surplus / (Shortfall)	\$ (147,533)	\$ (185,269)	\$ 8,410	\$ 6,398	\$ 7,583	\$ 5,454	\$ 6,554	\$ 5,969	\$ 5,330	\$ 18,640

APPENDIX B

ROGERSVILLE EXISTING LEAK ADJUSTMENT POLICY

POLICY B
Effective June 13, 2018
Rogersville Water Department Leak Policy

SUMMARY

Water and/or sewer charges *may* be eligible for adjustment when a leak is found on the customer's side of the meter

A leak adjustment is a financial adjustment to water and waste water (sewer) usage charges on a customer's bill caused by a leak on the customer's side of the meter.

Leak adjustments will cover no more than two (2) consecutive months. Only one (1) financial adjustment associated to billed usage will be allowed every 12 consecutive calendar months per premise, and excessive charges over 60 days old will not be considered.

GUIDELINES

A leak adjustment may be granted when ALL of the following conditions are present:

- Customer notifies the Town of Rogersville Water Department of an excessive utility bill that may be related to a leak.
- Water consumption for the period in question is at least twice the average monthly usage for the past 12 months. Simply stated, the bill for the month the leak occurred must be at least twice the average bill for that premise over the last year.
- The leak in question occurred on the customer's side of the meter.

However, *no adjustments will be granted* where any of the following situations exist:

- Usage above the customer's average monthly consumption is due to seasonal trends such as watering of sod, gardening, washing vehicles, house pressure washing, etc.
- When a leak continues for three (3) or more months, there will be no adjustment for the third or subsequent months. Bills over 60 days old will not be considered.
- The meter at said property has been accessed, repaired, tampered with, or turned on/off by anyone other than a Town of Rogersville Water Department employee and that action results in loss of water.
- A leak adjustment was issued within the past 12 months for the same premise.
- No adjustment will be considered unless bills prior to the high consumption bill are paid in full.

1.0 POLICY

1.1 Once a customer notifies the Town of Rogersville Water Department about a possible high bill that may be related to a leak, the policy is to provide consideration for leak adjustments for water and waste water usage charges caused by a leak that occurred on the customer's side of the meter.

1.1.1 The consumption must exceed twice the average monthly usage over the previous twelve (12) month period in order to be considered for adjustment. This monthly average will not include any bills that have been estimated or that have fewer days than the normal billing cycle, or for periods when service had been discontinued and no bill issued.

1.1.2 The source of the leak must be verified by agreement of the customer and Rogersville Water Department. Excessive seasonal use or other use not due to a legitimate leak will not be considered for an adjustment.

1.2 If a leak meets the above qualifications, ***the water consumption charges will be adjusted by deducting 10% of that month's total bill including both water and sewer charges.***

1.3 If the customer desires, the amount of the bill incurred during the leak can be paid as per the following scale:

BILL AMOUNT	PAYMENT
Up to \$200	\$25/month plus customer's current bill until paid in full
\$201 to \$600	\$50/month plus customer's current bill until paid in full
\$601 to \$900	\$75/month plus customer's current bill until paid in full
\$901 and over	\$100/month plus customer's current bill until paid in full

1.4 If there is usage registered that is above the monthly average on the meter and no plumbing related problem is proven, ***the customer will be responsible for the bill in full.***

1.5 Once a Rogersville Water Department employee or representative notifies a customer of a water leak and it is not repaired in forty-eight hours, it may result in the disconnection of service until such time as the leak is repaired.

1.6 Financial adjustments associated to billed usage/consumption will be allowed once per each consecutive 12 months per customer's Account/Premise. Customer's account must be paid in full up to the point of the excessive water bill to be considered for adjustment.

2.0 PROCEDURES

2.1 Water leak adjustments must be requested by contacting the Rogersville Water Department and will require proof the leak has been fixed by providing receipts, photos, or other acceptable documentation.

2.2 A leak adjustment may occur only after all leaks have been repaired or any exceptional unexplained consumption has been verified by Rogersville Water Department staff, usage has returned to its previous norm/average, and a verified meter read by the Rogersville Water Department.

2.2.1 Customers are responsible to pay the entire amount due within the normal payment period or enter into payment arrangements as specified in paragraph 1.3 above for the billed amount in order to remain in good standing on all current billings. If this does not occur, the customer is subject to all current and applicable collection and termination of services, processes, and procedures.

2.4 Average monthly usage will be calculated using twelve consecutive bills. This average will not include any bills that have been estimated or that have fewer days than the normal billing cycle, or for periods of no service to the premise.

2.5 Average monthly usage for customers that do not have a 12-month usage history will be estimated at the current system-wide average.

2.6 No adjustments will be granted where the following situations exist:

2.6.1 Usage above the customer's average monthly consumption is due to seasonal usage such as watering of sod, gardening, washing vehicles, etc.

2.6.2 Leak was caused by a third party from whom the customer is able to recover their costs. Examples of these are included but are not limited to theft, vandalism, and construction damage.

2.6.3 Leak continues for three (3) or more months. Leak adjustments will cover a two-month consecutive period only.

2.6.4 The meter at said property, has been accessed, tampered with, or turned on/off by anyone other than a Rogersville Water Department employee or a licensed plumber and resulting in further loss of water.

APPENDIX C

REVISED LEAK ADJUSTMENT POLICY

Rogersville Water Department Leak Policy

Effective July 1, 2021

SUMMARY

Water and/or sewer charges may be eligible for adjustment when a leak is found on the customer's side of the meter.

A leak adjustment is a financial adjustment to water and waste water (sewer) usage charges on a customer's bill caused by a leak on the customer's side of the meter.

Leak adjustments will cover no more than **one month**. Only one (1) financial adjustment associated to billed usage will be allowed every 12 consecutive calendar months per premise, and excessive charges over **30** days old will not be considered.

GUIDELINES

A leak adjustment may be granted when ALL of the following conditions are present:

- Customer notifies the Town of Rogersville Water Department of an excessive utility bill that may be related to a leak.
- Water consumption for the period in question is at least twice the average monthly usage for the past 12 months. Simply stated, the bill for the month the leak occurred must be at least twice the average bill for that premise over the last year.
- The leak in question occurred on the customer's side of the meter.

However, *no adjustments will be granted* where any of the following situations exist:

- Usage above the customer's average monthly consumption is due to seasonal trends such as watering of sod, gardening, washing vehicles, house pressure washing, etc.
- When a leak continues for **two (2)** or more months, there will be no adjustment for the **second** or subsequent months. Bills over **30** days old will not be considered.
- The meter at said property has been accessed, repaired, tampered with, or turned on/off by anyone other than a Town of Rogersville Water Department employee and that action results in loss of water.
- A leak adjustment was issued within the past 12 months for the same premise.
- No adjustment will be considered unless bills prior to the high consumption bill are paid in full.

1.0 POLICY

1.1 Once a customer notifies the Town of Rogersville Water Department about a possible high bill that may be related to a leak, the policy is to provide consideration for leak adjustments for water and waste water usage charges caused by a leak that occurred on the customer's side of the meter.

- 1.1.1 The consumption must exceed twice the average monthly usage over the previous twelve (12) month period in order to be considered for adjustment. This monthly average will not include any bills that have been estimated or that have fewer days than the normal billing cycle, or for periods when service had been discontinued and no bill issued. **The month in which the leak occurred shall be excluded in calculating the customer's average monthly water usage for the preceding 12-month period.**
- 1.1.2 The source of the leak must be verified by agreement of the customer and Rogersville Water Department. Excessive seasonal use or other use not due to a legitimate leak will not be considered for an adjustment.
- 1.1.3 **The leak must have been concealed and not readily detectable by a reasonable person such as a leak in an underground water service line between the meter and the exterior of a building or within the walls or under the floors of a building.**
- 1.1.4 **The customer must locate and timely repair the water leak which must be verified by the Town. The repair may be verified by one of the following methods:**
 - a) **The customer must present the Town with an affidavit or written statement from a plumber that the leak has been located and repaired.**
 - b) **A Town employee is able to verify that the customer was able to repair the leak.**
- 1.1.5 **A leak must be repaired within 30 days of the due date of the bill which shows the customer has a water leak. When a customer is notified of a leak by the Town, the leak must be repaired within 30 days of receiving such notice. The customer must submit a leak adjustment request to the Town of Rogersville Water Department.**
- 1.1.6 **When the customer has a chronic leak, the Town may require the replacement of the pipe before a leak adjustment is made.**
- 1.1.7 **No leak adjustment will be made for leaks which are readily detectable by the customer. These include the following:**
 - a) **Leaking faucets and toilets;**
 - b) **Faucets, hoses and other water outlets left running;**
 - c) **Water used for filling swimming pools, washing cars and irrigating lawns and gardens; or**
 - d) **Leaks from swimming pool systems and from irrigation systems.**
- 1.1.8 **Only one bill will be adjusted for a qualifying leak in any consecutive twelve-month period. The leak adjustment will only be made in the billing cycle in which the leak is repaired.**

1.2 If a leak meets the above qualifications, *the water consumption charges will be adjusted by deducting 10% of that month's total bill including both water and sewer charges.*

1.3 **When the Town determines that the water from the leak did not enter the Town's sewer system, the Town will adjust the customer's sewer bill to the customer's average using the customer's average monthly water usage as defined in section 1.**

1.4 If the customer desires, **and upon approval from the Department**, the amount of the bill incurred during the leak can be paid as per the following scale:

Bill Amount	Payment
Up to \$200	\$25/ month plus customer's current bill until paid in full
\$201 to \$600	\$50/ month plus customer's current bill until paid in full
\$601 to \$900	\$75/ month plus customer's current bill until paid in full
\$901 and over	\$100/ month plus customer's current bill until paid in full

1.5 If there is usage registered that is above the monthly average on the meter and no plumbing related problem is proven, *the customer will be responsible for the bill in full.*

1.6 Once a Rogersville Water Department employee or representative notifies a customer of a water leak and it is not repaired in forty-eight hours, it may result in the disconnection of service until such time as the leak is repaired.

1.7 Financial adjustments associated to billed usage/consumption will be allowed once per each consecutive 12 months per customer's Account/Premise. Customer's account must be paid in full up to the point of the excessive water bill to be considered for adjustment.

2.0 PROCEDURES

2.1 Water leak adjustments must be requested by contacting the Rogersville Water Department and will require proof that the leak has been fixed by providing receipts, photos, or other acceptable documentation.

2.2 A leak adjustment may occur only after all leaks have been repaired or any exceptional unexplained consumption has been verified by Rogersville Water Department staff, usage has returned to its previous norm/average, and a verified meter read by the Rogersville Water Department.

2.2.1 Customers are responsible to pay the entire amount due within the normal payment period or enter into payment arrangements as specified in paragraph 1.4 above for the billed amount in order to remain in good standing on all current billings. If this does not occur, the customer is subject to all current and applicable collection and termination of services, processes, and procedures.

2.3 Average monthly usage will be calculated using twelve consecutive bills. This average will not include any bills that have been estimated or that have fewer days than the normal billing cycle, or for periods of no service to the premise.

2.4 Average monthly usage for customers that do not have a 12-month usage history will be estimated at the current system-wide average.

2.5 No adjustments will be granted where the following situations exist:

2.5.1 Usage above the customer's average monthly consumption is due to seasonal usage such as watering of sod, gardening, washing vehicles, etc.

2.5.2 Leak was caused by a third party from whom the customer is able to recover their costs. Examples of these include but are not limited to theft, vandalism, and construction damage.

2.5.3 Leak continues for two (2) or more months. Leak adjustments will cover a one-month period only.

2.5.4 The meter at said property, has been accessed, tampered with, or turned on/off by anyone other than a Rogersville Water Department employee or a licensed plumber and resulting in further loss of water.



701 First St. SW, Roanoke, VA 24016 • 540.345.9342 • Fax 540.345.7691

429 Clay Street, Kingsport, TN 37660 • 423.245.4970 • Fax 423.245.5932

403 East Market St., Johnson City, TN 37601 • 423.979.2220 • Fax 423.979.2222

12 Broad St., Asheville, NC 28801 • 828.254.2201 • Fax 828.254.4562

231 16th Ave, NE, Hickory, NC 28601 • 828.855.2233 • Fax 828.855.1133

1565 Sam Rittenberg Blvd., Charleston, SC 29407 • 843.225.8391 • Fax 843.225.8394



JASON E. MUMPOWER
Comptroller

Entity Referred: **Town of Trezevant**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

The Town contracted with TAUD to perform a rate study in accordance with the Board's previous order. TAUD has completed the study and submitted its resulting report and recommendations to the Town and to Board staff. The Town has implemented TAUD's recommendations.

Staff Recommendation:

Order the following:

1. The Town shall send financial updates to Board staff by March 1st and September 1st of each year, beginning March 1, 2022, until the Board releases the Town from its oversight.



REPORT FOR TOWN OF TREZEVANT, TENNESSEE

WATER AND WASTEWATER FINANCING BOARD ORDER DATED DECEMBER 3, 2020

May 7, 2021

INTRODUCTION

Description of the Trezevant Water System and Sewer System

The Town of Trezevant, Tennessee (Town or Trezevant) is located in Carroll County. The governing board of the Town's water and sewer system is its Board of Mayor and Aldermen. The Town gets its raw water supply from two wells and operates a water treatment plant with a design capacity of .25 MGD. The Town operates a wastewater treatment plant with a design capacity of 0.2 MGD which discharges into Reedy Creek.

The Town was referred to the Water and Wastewater Financing Board (WWFB) upon the submission of its audit for its fiscal year ending June 30, 2019, because it met the statutory definition for a financially distressed municipal water and sewer system. The system had a negative change in net position for two consecutive years without regard to any grants, capital contributions, or excluded non-cash items for its fiscal years ending June 30, 2018 and June 30, 2019.

History of Rates and Existing Rate Structure

The Town charges all of its water and sewer customers the same rates. Since the Town was referred to the WWFB, the Town's increased its current water and sewer rates to the following which became effective on September 9, 2020.

Water Rates

Minimum charge (includes 1,000 gallons)	\$21.66
Over 1,000 gallons	\$ 2.85 per 1,000 gallons

Sewer Rates

Minimum bill (includes 1,000 gallons)	\$23.83
Over 1,000 gallons	\$ 3.14 per 1,000 gallons

The balance of the Cash accounts of the water and sewer fund as of July 1, 2020, was \$408,530. Of this amount, \$85,883 was restricted to pay for future capital improvements.

Water and Wastewater Financing Board Order

On December 3, 2020, the Water and Wastewater Financing Board (WWFB) issued an order directing the Town of Trezevant do the following items.

- (1) The Town shall hire a qualified expert to perform a rate study to include the following items:

- A review of the capitalization policy, including any recommended modifications;
 - A review of the debt management policy, including any recommended modifications;
 - A review of the capital asset list, including any recommended modifications;
 - A review of all utility fees, including any recommended modifications;
 - Creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs; and
 - A review of the leak adjustment policy, including any recommended modifications.
- (2) By December 31, 2020, the Town shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
- (3) By December 31, 2020, the Town shall send Board staff proof that all members of the utility systems' governing body have complied with the training requirements set forth in Tenn. Code Ann. 7-34-115(j).
- (4) By April 1, 2021 the Town shall provide Board staff with the completed rate study and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

TAUD provided the WWFB with the training received by the members of the Town's Board of Mayor and Aldermen with a letter to John Greer dated February 2, 2021.

RECOMMENDATIONS

Recommendation #1

The Town needs to adopt the Five-Year Capital Asset Plan attached as **Exhibit 1**.

Recommendations #2

TUA recommends the Town go ahead and approve the following changes to the Town's existing rates:

Effective July 1, 2021:

Water Rates

Minimum charge (includes 1,000 gallons)	\$22.00
Over 1,000 gallons	\$ 3.10 per 1,000 gallons

Sewer Rates

Minimum bill (includes 1,000 gallons)	\$24.00
Over 1,000 gallons	\$ 3.40 per 1,000 gallons

Effective July 1, 2022:

Water Rates

Minimum charge (includes 1,000 gallons)	\$22.00
Over 1,000 gallons	\$ 3.40 per 1,000 gallons

Sewer Rates

Minimum bill (includes 1,000 gallons)	\$24.00
Over 1,000 gallons	\$ 3.75 per 1,000 gallons

Recommendation #3

The Town's sewer tap fee should be increased to \$500 to fully cover the cost the Town incurs to install a sewer tap.

Recommendation #4

TAUD recommends the Town's re-connection fee be increased to \$50.00 to cover the cost the Town incurs when it terminates water and sewer service for nonpayment.

Recommendation #5

TAUD recommends that the Town adopt an ordinance incorporating the provisions of the leak adjustment policy attached to this Report as **Exhibit 9**.

FIVE YEAR CAPITAL ASSET PLAN

The Town has prepared the Five-Year Capital Asset Plan attached to this Report as **Exhibit 1**.

RATE STUDY AND PROPOSED PLAN OF ACTION

To determine whether existing rates will produce sufficient revenues to make the Town's water and sewer system self-supporting, TAUD first projected a Statement of Revenues and Expenses and Changes in Net Position for the Town's water and sewer fund for its fiscal year ending June 30, 2021, to use as its test year. TAUD projected the revenues for the system using existing rates. TAUD projected operation and maintenance expenses by reviewing historical information from the five previous years, the Town's budget for its water and sewer fund for the fiscal year ending June 30, 2021, and any known and anticipated changes during the test year. The Town's water and sewer fund has no outstanding debt.

Then, TAUD projected Statements of Revenues and Expenses and Changes in Net Position for the Town's water and sewer fund for its fiscal years ending June 30 of 2022, 2023, 2024, and 2025. See **Exhibit 2** attached to this Report.

Revenue Projections:

- Water and sewer revenues (water sales and sewer service charges) for the test year ending June 30, 2021, were projected by taking the Town's actual annual water usage reports for the fiscal year ending June 30, 2020, and applying the Town's water and sewer rates which became effective on September 9, 2020 to this actual usage.
- Penalties for the test year was projected based upon the average of penalties revenue for the fiscal years ending June 30 of 2019 and 2020.
- Water connections for the test year (which includes both water and sewer tap fees) was projected based upon the average of water connections revenue for the fiscal years ending June 30 of 2019 and 2020.
- Fire plug revenue for the test year was projected based upon the average fire plug revenue for the fiscal years ending June 30 of 2019 and 2020. The Town's general fund pays the water and sewer fund \$400 a month for the use of the Town's fire hydrants.
- Other operating income for the test year was projected based upon the average of operating income revenue for the fiscal years ending June 30 of 2019 and 2020.
- Interest income for the test year was projected based upon the average of interest income for the fiscal years ending June 30 of 2019 and 2020.
- Miscellaneous income was projected based upon the Town's budget for its 20-21 fiscal year.
- Since 2016 the Town has experienced no annual customer growth and does not plan to expand its existing water or sewer system in the near future to add new customers.

Therefore, the water and sewer revenues for the remaining four years of the five-year projection period do not include any revenue increases based annual customer growth.

Expense Projections:

- Except for depreciation, employee health insurance, audit, gas and oil, school training and travel, all operating expenses for the test year are projected based upon the average of these expenses for the fiscal years ending June 30 of 2019 and 2020. See the Revenues and Expenses - Test Year Schedule attached as **Exhibit 3**.
- Employee health insurance for the test year is projected based upon the Town's budget.
- Audit, gas and oil, insurance, school training and travel expenses for the test year are based upon the amounts of these expenses for the Town's fiscal year ending June 30, 2020, plus 2%.
- Depreciation for the test year is based upon the Town's fixed asset schedule which includes the annual depreciation of its capital assets plus depreciation on the capital assets the Town has added or will add during the fiscal year ending June 30, 2021.
- For the remaining four years in the five-year projection period, all operating expenses, except depreciation, are increased by 2% annually over the projected amount for the test year.
- Annual depreciation expenses for the remaining four years of the five-year projection period are projected based upon the Town's existing fixed asset schedule and the service lives used on this schedule for depreciation. Depreciation on new capital assets included in the capital asset plan during the five-year projection period are based upon the Town's current capitalization policy.

Revenue Sufficiency and Rate Modifications Required

TUA projects that the Town's water and sewer fund will have a positive change in net position of \$9,852 for the test year ending June 30, 2021, not including capital contributions and grant revenue.

Based upon the projected Statements, the Town's water and sewer fund will begin having a negative change in net position for its fiscal year ending June 30, 2022 and for the remaining years in the five-year projection period at current rates. The annual rate increases needed for the water and sewer fund to have a positive change in net position for the fiscal year ending June 30, 2022 and for the remaining years in the five-year projection period is attached as **Exhibit 4**.

Rate Changes Effective July 1, 2021 and July 1, 2022

TUA recommends the Town go ahead and adopt the following changes to the Town's existing rates:

- Effective July 1, 2021:

Water Rates

Minimum charge (includes 1,000 gallons)	\$22.00
Over 1,000 gallons	\$ 3.10 per 1,000 gallons

Sewer Rates

Minimum bill (includes 1,000 gallons)	\$24.00
Over 1,000 gallons	\$ 3.40 per 1,000 gallons

- Effective July 1, 2022:

Water Rates

Minimum charge (includes 1,000 gallons)	\$22.00
Over 1,000 gallons	\$ 3.40 per 1,000 gallons

Sewer Rates

Minimum bill (includes 1,000 gallons)	\$24.00
Over 1,000 gallons	\$ 3.75 per 1,000 gallons

- These rate changes should give the Town's water and fund a positive change in net position for its fiscal years ending June 30 of 2022 and 2023. See **Exhibit 2**.

The annual rate recommendations for the fiscal years beginning July 1, 2023, are based upon revenue and expense projections which are subject to change. Therefore, these rate recommendations should be reviewed annually as a part of the budgetary process each year to ensure that rates recommended will continue to produce sufficient revenues to give the water fund a positive change in net position in future fiscal years.

Projected Cash and Investments Schedule

If the Town adopts its planned rate increases through July 1, 2024, the water fund and sewer fund should have a cash and investments balance of \$217,174 as of June 30, 2025. The Water and Sewer Fund - Projected Cash and Investments Balance Schedule is attached as **Exhibit 5**.

TOWN'S CAPITALIZATION POLICY

The Town adopted a new capitalization policy by resolution on July 9, 2019, which is attached as **Exhibit 6** to this Report. This capitalization policy includes the service lives for water and sewer assets recommended by the WWFB for municipal water and sewer systems. Therefore, TAUD does not recommend any changes to this capitalization policy.

DEBT MANAGEMENT POLICY

The Town adopted a debt management policy on December 10, 2011, which is attached as **Exhibit 7** to this Report. The Town adopted the debt management policy which includes the provisions recommended by the State Funding Board for public entities. Therefore, no action needs to be taken on the Town's debt management policy.

TAP FEES

The Town's current taps fees are:

Water	\$600 plus an additional \$150 when road bore is required
Sewer	\$400 plus an additional \$150 when road bore is required

The Town was not able to locate any records to support the amount of the current tap fees. TAUD provided the Town with a Cost of Tap Installation Worksheet which the Town could use to identify and state the actual material, equipment and labor costs it expends on make its water and sewer taps. A copy of the Cost of Tap Installation Worksheets is attached as **Exhibit 8**. Based upon information provided by the Town, no change in the water tap fee is needed.

The Town's sewer tap fee should be increased to \$500 to fully cover the cost the Town incurs to install a sewer tap.

CONNECTION FEES

The Town current fees for the initiation and re-connection of service are:

Connection Fee - Homeowner	\$ 50
Connection Fee – Renter	\$150
Re-Connection fee	\$ 25

At a minimum, connection fees should cover the cost of establishing new service for a customer. These costs should attempt to cover a customer service employee meeting with the applicant or talking with the applicant by phone, reviewing the application for service, and processing the connection fee payment and tap fee payment, if applicable. A field employee must travel to the service address to verify the initial meter reading for the new account and to turn on the meter.

Depending on the distance of the service address from Town Hall, this trip could take as little as 15 minutes up to an hour. The \$50 connection appears to cover the labor and equipment costs incurred to sign up a new customer for service.

The Town charges rental customers a \$150 connection fee. The \$150 fee covers slightly more than two months average water and sewage usage for the Town's customers. The Town experiences significantly higher uncollectible accounts for rental customers than non-rental customers. This higher level of uncollectible accounts is due to having a higher number of uncollectible accounts for rental customers than property owner customers and experiencing higher delinquent balances from rental customers whose move away without making final payments. The higher fee is designed to cover approximately two months of service and is justified in light of the higher uncollectible amounts the Town experiences from its rental customers.

At a minimum, the Town's re-connection fee should cover the cost of two trips to the service address, one trip to turn off water service for nonpayment and a second trip to turn service back on after payment is received. The current fee of \$25.00 does not cover these costs. **TAUD recommends the re-connection fee be increased to \$50.00**

REVIEW OF CAPITAL ASSET LIST

TAUD reviewed the capital asset list with the Town. All capital assets being depreciated are still in service. The service lives used for the depreciating the water and sewer system assets appear to be consistent with the Town's capitalization policy in place at the time the assets were placed into service. TAUD recommends no changes to the Town's capital asset list for its water and sewer systems.

LEAK ADJUSTMENT POLICY

The amount of the adjustment to a customer's bill from a water leak in the Town's current leak adjustment policy is reasonable. The Town will adjust a high bill caused by a water leak by taking the average of the high bill being adjusted with the prior two months bills.

The Town's current leak adjustment policy states, "In the event of a 2nd leak in the same calendar year, the customer must come before the Board of Mayor and Aldermen and ask for another adjustment." This provision appears to give the Board of Mayor and Aldermen full discretion to decide whether the Town should give the customer a second leak adjustment during a calendar year. TAUD believes such a provision may allow the Town to unjustly discriminate between customers when the Board grants the request in some instances and does not grant the request in other instances. If this language is only intended to require a customer to appear before the Board of Mayor and Aldermen as a prerequisite to getting a second adjustment, then no unjust discrimination problem exists.

The Town's current leak policy does not define what constitutes a "water leak." TAUD asserts that leak adjustments should only be permitted when a leak occurs when a leak is no readily available to the customer.

TAUD recommends that the Town adopt the attached ordinance which incorporates the provisions discussed above which is attached as **Exhibit 9**.

Trezevant, Tennessee - Water & Sewer Fund
Five Year Capital Asset Plan

	<u>6/30/2021</u>	<u>6/30/2022</u>	<u>6/30/2023</u>	<u>6/30/2024</u>	<u>6/30/2025</u>
Water Plant Upgrades - Electrical Panel with Telemetry & Replace Pumps		85,000	30,000		30,000
New Housing Covers/Well Drains	70,000				
Sewer Plant- Aerator / Pumps		20,000		50,000	
Lift Stations - Pumps/Electric Equipment		20,000	30,000		
Sewer Jetter	15,000				22,000
Sewer Camera	2,850				
Sewer - Locate & Replace Damaged Lir	-	50,000	30,000	20,000	30,000
Water - Locate and Replace Damaged Mains, Sewer Lines and Turnoffs	-	20,000	20,000	20,000	30,000
Truck		15,000		-	
Total	87,850	210,000	110,000	90,000	112,000
Cumulative Depreciation	4,870	14,120	17,870	20,537	25,237
Total Capital Outlay & Depreciation	92,720	224,120	127,870	110,537	137,237
<u>Source of Funds</u>					
Loans	-				
Grants	-				
Cash	87,850	210,000	110,000	90,000	112,000
Total Funding Sources	87,850	210,000	110,000	90,000	112,000

Trezevant, Tennessee - Projected Statements of Revenues and Expenses and Changes in Net Position**Water & Sewer Fund**

	Projected 6/30/2021	Projected 6/30/2022	Projected 6/30/2023	Projected 6/20/2024	Projected 6/20/2025
Operating Revenues:					
Water Sales	136,758	136,758	136,758	136,758	136,758
Sewer Service Charges	142,644	142,644	142,644	142,644	142,644
Penalties	4,700	4,700	4,700	4,700	4,700
Water Connections	6,100	6,100	6,100	6,100	6,100
Fire Plug Revenue	4,800	4,800	4,800	4,800	4,800
Other Operating Income	1,000	1,000	1,000	1,000	1,000
Total Operating Revenues	296,002	296,002	296,002	296,002	296,002
Operating Expenses:					
Salaries	75,500	77,010	78,550	80,121	81,724
Payroll Taxes	5,900	6,018	6,138	6,261	6,386
Employee Health Insurance	9,200	9,384	9,572	9,763	9,958
Professional Services	4,300	4,386	4,474	4,563	4,654
Audit	4,113	4,195	4,279	4,365	4,452
Repairs & Maintenance	54,800	55,896	57,014	58,154	59,317
Repairs & Maintenance - Miscellaneous	1,300	1,326	1,353	1,380	1,407
Water Testing	1,200	1,224	1,248	1,273	1,299
Sewer Testing	700	714	728	743	758
Operating Supplies - Water	1,300	1,326	1,353	1,380	1,407
Operating Supplies - Sewer	1,700	1,734	1,769	1,804	1,840
Gas & Oil	1,191	1,215	1,239	1,264	1,289
Insurance	8,226	8,391	8,558	8,729	8,904
Utilities	32,800	33,456	34,125	34,808	35,504
Telephone	500	510	520	531	541
Chemicals	5,800	5,916	6,034	6,155	6,278
Bank Charges	120	122	125	127	130
Fire Hydrant Service	3,200	3,264	3,329	3,396	3,464
Depreciation	65,950	75,200	78,950	81,617	86,317
Office Supplies	1,200	1,224	1,248	1,273	1,299
Advertising	1,100	1,122	1,144	1,167	1,191
License & Permits	1,900	1,938	1,977	2,016	2,057
Memberships & Registration Fees	1,800	1,836	1,873	1,910	1,948
Postage	1,600	1,632	1,665	1,698	1,732
School Training	1,500	1,530	1,561	1,592	1,624
Travel	1,350	1,377	1,405	1,433	1,461
Total Operating Expenses	288,250	301,946	310,231	317,523	326,941
Operating Income (Loss)	7,752	(5,944)	(14,229)	(21,521)	(30,939)
Nonoperating Revenues (Expenses)					
Interest Income	1,600	1,600	1,600	1,600	1,600
Miscellaneous	500	500	500	500	500
Total Nonoperating Revenues (Expenses)	2,100	2,100	2,100	2,100	2,100
Change in Net Position before Suggested Rate Increase	9,852	(3,844)	(12,129)	(19,421)	(28,839)
Revenue from Suggested Rate Increase	N/A	8,904	17,328	24,742	33,867
Change in Net Position	9,852	5,060	5,199	5,321	5,028

Trezevant, Tennessee - Test Year**Water & Sewer Fund**

	City <u>Budget 20-21</u>	Last 2 Year <u>Average</u>	Recalculated <u>for 20-21</u>	<u>Explanation</u>
Operating Revenues:				
Water Sales	121,452	113,320	136,758	From Calculated Usage
Sewer Service Charges	124,029	118,971	142,644	From Calculated Usage
Penalties	4,986	4,693	4,700	Used 2 year average
Water Connections	5,750	6,121	6,100	Used 2 year average
Fire Plug Revenue	4,800	4,813	4,800	Used 2 year average
Other Operating Income	25	1,039	1,000	Used 2 year average
Total Operating Revenues	261,042	248,955	296,002	
Operating Expenses:				
Salaries	75,990	75,497	75,500	Used 2 year average
Payroll Taxes	7,106	5,887	5,900	Used 2 year average
Employee Health Insurance	9,256	1,367	9,200	Based on budget
Professional Services	4,100	4,268	4,300	Used 2 year average
Audit	3,450	3,850	4,113	Used 2020 amount
Repairs & Maintenance	29,550	54,766	54,800	Used 2 year average
Repairs & Maintenance - Miscellaneous	2,800	1,346	1,300	Used 2 year average
Water Testing	1,300	1,220	1,200	Used 2 year average
Sewer Testing	100	713	700	Used 2 year average
Maintenance Supplies	-	806	-	N/A
Operating Supplies - Water	1,800	1,330	1,300	Used 2 year average
Operating Supplies - Sewer	2,000	1,672	1,700	Used 2 year average
Gas & Oil	1,856	1,099	1,191	Used 2020 amount
Insurance	7,632	7,583	8,226	Used 2020 amount
Utilities	31,000	32,821	32,800	Used 2 year average
Telephone	552	492	500	Used 2 year average
Chemicals	7,050	5,806	5,800	Used 2 year average
Bad Debts	50	3,719	-	N/A
Bank Charges	120	120	120	Used 2 year average
Fire Hydrant Service	-	3,186	3,200	Used 2 year average
Depreciation	61,200	67,082	65,950	From depreciation schedule plus new additions
Office Supplies	700	1,244	1,200	Used 2 year average

Advertising	1,300	1,143	1,100	Used 2 year average
License & Permits	2,900	1,875	1,900	Used 2 year average
Memberships & Registration Fees	2,000	1,815	1,800	Used 2 year average
Postage	1,650	1,609	1,600	Used 2 year average
School Training	1,500	110	1,500	Used budget
Travel	1,350	-	1,350	Used budget
Equipment	204,000	-	-	These items capitalized and not expensed.
Total Operating Expenses	462,312	282,421	288,250	
Operating Income (Loss)	(201,270)	(33,466)	7,752	
Nonoperating Revenues (Expenses)				
Interest Income	1,794	1,563	1,600	Used 2 year average
Interest Expense	-	(6)	-	N/A
TDOT Engineering Income	137,523	20,804	-	N/A
TDOT Engineering Expense	(137,523)	(5,693)	-	N/A
Miscellaneous	525	4,604	500	Used budget
Total Nonoperating Revenues (Expenses)	2,319	21,272	2,100	
Change in Net Position before Contributed Capital	(198,951)	(12,194)	9,852	
Capital Contributions & Grants	-	-	-	
Change in Net Position	(198,951)	(12,194)	9,852	

Trezevant, Tennessee - Recommended Rate Schedule

	FY 21-22	FY 22-23	FY 23-24	FY 24-25
<u>Recommended Rate Increases</u>	<u>start July 1, 2021</u>	<u>start July 1, 2022</u>	<u>start July 1, 2023</u>	<u>start July 1, 2024</u>

WATER				
0 -1,000 gallons	\$22.00	\$22.00	\$22.25	\$22.25
Over 1,000 gallons	\$3.10 / 1,000	\$3.40 / 1,000	\$3.60 / 1,000	\$4.00 / 1,000
Average monthly bill based on 3,000 gallons	\$28.20	\$28.80	\$29.45	\$30.25

SEWER				
0 -1,000 gallons	\$24.00	\$24.00	\$24.25	\$24.25
Over 1,000 gallons	\$3.40 / 1,000	\$3.75 / 1,000	\$3.95 / 1,000	\$4.25 / 1,000
Average monthly bill based on 3,000 gallons	\$30.80	\$31.50	\$32.15	\$32.75

Trezevant, Tennessee - Water & Sewer Fund - Projected Cash & Investment Balance Schedule

	Projected <u>6/30/2021</u>	Projected <u>6/30/2022</u>	Projected <u>6/30/2023</u>	Projected <u>6/30/2024</u>	Projected <u>6/30/2025</u>
Beginning Balance	408,530	396,482	266,742	240,891	237,829
Sources of Funds					
Charge for Services ***	279,402	288,306	296,730	304,144	313,269
Miscellaneous	17,100	17,100	17,100	17,100	17,100
Interest Revenue	1,600	1,600	1,600	1,600	1,600
Total Sources of Funds	298,102	307,006	315,430	322,844	331,969
Uses of Funds					
Operating Expenses	288,250	301,946	310,231	317,523	326,941
Depreciation	(65,950)	(75,200)	(78,950)	(81,617)	(86,317)
Capital Outlay	87,850	210,000	110,000	90,000	112,000
Total Uses of Funds	310,150	436,746	341,281	325,907	352,625
Ending Balance	396,482	266,742	240,891	237,829	217,174

NOTE: This synopsis from beginning funds to ending funds does not include accounts receivable, accounts payable, fixed asset or any other adjustments made to the balance sheet. This is a "cash basis" summary.

*** Includes revenue from recommended rate increases

Town of Trezevant
Resolution to Clarify and Update Capitalization of
Assets Policy

WHEREAS, the Town passed ordinance 031219 which to established new thresholds to govern when expenditures for assets will be capitalized in accordance with generally accepted accounting principles.

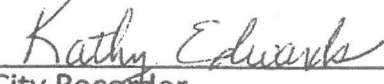
WHEREAS, the Town desires to amend its capitalization of assets policy to incorporate new provisions in addition to new thresholds which for asset expenditures which will require capitalization.

THEREFORE, the Town resolves to adopt the attached Town of Trezevant - Fixed Asset Capitalization Policy to establish consistent guidelines for the capitalization and depreciation of its fixed assets.

1st Reading 7-9-19



Mayor



City Recorder

TOWN OF TREZEVANT
FIXED ASSET CAPITALIZATION POLICY

Purpose

This policy is adopted to establish consistent guidelines for the capitalization and depreciation of fixed assets.

Capitalization Requirements

(1) Long term or fixed assets, including land, land improvements, buildings, building improvements, infrastructure, easements, construction work in progress, office furniture, office equipment, machinery, operating equipment and vehicles, will be capitalized and subject to depreciation when the asset has a useful life of more than two years and meets the following thresholds:

• Land and easements	\$ 500
• Buildings and building improvements	\$10,000
• Improvements other than buildings	\$ 5,000
• Equipment, furniture and vehicles	\$ 2,500
• Infrastructure	\$10,000
• Construction in Process	Tied to asset class

Assets which are not capitalized will be expensed in the year of acquisition.

(2) The capitalization threshold is applied to individual units of fixed assets. For example, ten desks purchased in a single order, each costing \$1,000, will not qualify for capitalization even though the total cost of the desk order of \$10,000 exceeds the threshold of \$2,500.

(3) For purposes of capitalization, the threshold will generally not be applied to components of fixed assets which form one working system such as computer systems, electronic and laboratory equipment and other similar working systems. The entire working system will be treated as a single fixed asset provided the entire system meets the \$2,500 threshold.

(4) Repairs to existing fixed assets will generally not be subject to capitalization. Repairs are generally recognized as expenditures which are necessary to keep an asset in its intended operational condition and which do not materially increase the value of the asset. If a repair extends the useful life of a capital asset by more than two years and costs \$2,500 or more, then the repair represents an improvement and should be capitalized.

Infrastructure Capital Assets

Infrastructure includes new construction, replacement due to expansion or new technology, replacement due to the end of normal life cycle, major repairs or refurbishment and assets contributed by developers, customers or other third parties to the Town.

- (1) New Construction. New construction normally begins as a Construction-In-Progress project and may take more than one fiscal year to complete. At the completion of the project, the total costs of the project may be broken down by the major groups of assets by operating system. Under each system, the component unit of the assets is listed based on the nature of the component and the length of the estimated useful life.
- (2) Replacement Due to Expansion or New Technology. Replacement occurs when an old systems or equipment is replaced because the Town is either expanding its facilities to increase capacity or new technology and equipment has become available on the market which is more cost efficient than existing systems or equipment being used. In this situation, the old systems or equipment are replaced when they still have a remaining useful life and economic value. When each individual item or component unit meets the threshold requirements in Section 1 and has a useful life of more than two years, the individual item or component unit should be capitalized. Because the retired equipment or systems still have a positive net book value, the Town will calculate and record the appropriate loss on disposition.
- (3) Replacement Due to the End of Life Cycle. Replacement can occur as a result of normal scheduled maintenance. The component units can be purchased at the same time, but be installed simultaneously or within a planned short period time. In this situation, the old systems or equipment are replaced when they have no useful life or economic value. When the aggregate total cost of the component units meets the threshold requirements in Section 1 and have a useful life of more than two years, the component units should be capitalized. The estimated portion of the original asset that was replaced will be removed from the asset records of the Town.
- (4) Repairs or Refurbishments. The Town's existing infrastructure and other capital assets require regular repair and maintenance. Repair or refurbishment expenses to existing capital assets may be capitalized under certain circumstances. The criteria for determining whether the expenditure is an expense or capital asset requires knowledge of the effect the repair will have on the capital asset. To be considered as a capital asset, these conditions must be met: (a) the total repair or refurbishment cost of one job must meet the threshold requirements in Section 1, and; (b) after the repair or refurbishment, the remaining useful life of the existing asset must be extended by at least two years. When the above conditions are not met, the cost of repair or refurbishment will be considered as an operations and maintenance expense.
- (5) Contributed Assets. The Town may require a developer or customer to build or finance the building of utility system improvements as condition for receiving utility service. Upon the

completion of the utility system improvements, the developer or customer contributes the improvements to the Town, and the Town accepts ownership of the contributed improvements. In this situation, the utility system improvements are recorded as a capital asset at the time of acceptance by the Town. The total costs of the utility system improvements must be broken down by operating system, and the major component units are to be listed under the operating systems depending on the nature and the length of the estimated useful life.

Determination of Cost

- (1) Capital assets will be reported at historical cost. Cost will include all necessary expenditures to acquire the asset and place the asset into service, including ancillary costs.
- (2) Ancillary costs for infrastructure, buildings and improvements include professional fees of engineers, architects, attorneys, appraisers, financial advisors and other similar professionals; insurance premiums; costs incurred to obtain financing for the project; and other related costs incurred during construction necessary to place the asset into service.
- (3) Ancillary costs for equipment and vehicles include transportation charges, installation costs, licensing fees, and any other normal and necessary expenditures required to place the asset into its intended state of operation.
- (4) Ancillary costs for land include legal and title fees, appraisal and negotiation fees, damage payments, site preparation costs and demolition costs of unwanted structures.
- (5) Contributed capital assets will be recorded at their estimated fair market value on the date the contributed asset was accepted by the Town.
- (6) Self-constructed assets will be recorded based upon all direct costs (including labor) associated with the construction project.

Depreciation

- (1) With the exception of land and easements, all capital assets will be depreciated using the straight-line method over the useful life of the asset.
- (2) Regardless of the month the capital asset is placed in service, a full year of depreciation will be recorded in the first year. Once the asset has been fully depreciated, the asset will be kept on the books until its disposal.

(3) The useful life of a capital asset for depreciation will be determined as follows:

<u>Asset Account</u>	<u>Years</u>
Water Lines and Storage	40-50
Wastewater (sewer) system	40-50
Buildings (Office and Plant)	30-50
Well / Dam	Engineer's Estimate
Pumps and Treatment Equipment	15-20
Equipment and Tools	10-15
Machinery, Construction Equipment and Construction Vehicles	5-15
Transportation Equipment	5-10
Furniture and Fixtures	5-10
Information Systems	3-6

Fixed Assets Tagging and Inventory

Upon acquisition, all fixed assets other than infrastructure, buildings, land and land improvements will be assigned a serially numbered Town tag which will be affixed to the asset. The Town will conduct an annual physical inventory of tagged fixed assets. The inventory should identify assets which are missing or were sold, traded in, discarded or disposed of since the last annual physical inventory.

RESOLUTION NO. 121011

A RESOLUTION OF THE TOWN OF Trezevant, TENNESSEE, ESTABLISHING A WRITTEN DEBT MANAGEMENT POLICY.

WHEREAS, the Trezevant Board of Mayor and Aldermen has determined the need to adopt and implement a modern and consistent policy concerning the incurrence of municipal debt; and

WHEREAS, pursuant to Tennessee Code Annotated § 9-21-151(b)(1), the Tennessee State Funding Board has developed model financial transaction policies which Tennessee municipalities are directed to adopt and enforce.

NOW, THEREFORE, BE IT RESOLVED BY THE Trezevant BOARD OF MAYOR AND ALDERMEN, AS FOLLOWS:

1. **Purpose and goals.** The purpose of this debt policy is to establish a set of parameters by which debt obligations will be undertaken by the Town of Trezevant, TN. This policy reinforces the commitment of the Town and its officials to manage the financial affairs of the Town so as to minimize risk, avoid conflicts of interest and ensure transparency while still meeting the capital needs of the Town. A debt management policy signals to the public and the rating agencies that the Town is using a disciplined and defined approach to financing capital needs and fulfills the requirements of the State of Tennessee regarding the adoption of a debt management policy.

The goal of this policy is to assist decision makers in planning, issuing and managing debt obligations by providing clear direction as to the steps, substance and outcomes desired. In addition, greater stability over the long-term will be generated by the use of consistent guidelines in issuing debt.

2. **Definition of debt.** All obligations of the Town to repay, with or without interest, in installments and/or at a later date, some amount of money utilized for the purchase, construction, or operation of Town resources. This includes but is not limited to notes, bond issues, capital leases, and loans of any type, including loans from another internal fund.

3. **Approval of Debt.** Bond anticipation notes, capital outlay notes, all borrowing from internal funds, grant anticipation notes, and tax and revenue anticipation notes will be submitted to the State of Tennessee Comptroller's Office and the Town Council prior to issuance or entering into the obligation. A plan for refunding debt issues will also be submitted to the Comptroller's Office prior to issuance. Capital or equipment leases may be entered into by the Town Council; however, details on the lease agreement will be forwarded to the Comptroller's Office on the specified form within 45 days.

4. **Transparency.** (a) The Town shall comply with legal requirements for notice and for public meetings related to debt issuance.

(b) All notices shall be posted in the customary and required posting locations, including as required local newspapers, bulletin boards, and websites.

(c) All costs (including principal, interest, issuance, continuing, and one-time) shall be clearly presented and disclosed to the citizens, the Town governing board, and other stakeholders in a timely manner.

(d) The terms and life of each debt issue shall be clearly presented and disclosed to the citizens, the Town Council, and other stakeholders in a timely manner.

(e) A debt service schedule outlining the rate of retirement for the principal amount shall be clearly presented and disclosed to the citizens, the Town governing board, and other stakeholders in a timely manner.

5. **Role of Debt.** (a) Long-term debt shall not be used to finance current operations. Long-term debt may be used for capital purchases or construction identified through the capital improvement, regional development, transportation, or master process or plan. Short-term debt may be used for certain projects and equipment financing as well as for operational borrowing; however, the Town will minimize the use of short-term cash flow borrowings by maintaining adequate working capital and close budget management.

(b) In accordance with Generally Accepted Accounting Principles and state law,

1. The maturity of the underlying debt will not be more than the useful life of the assets purchased or built with the debt, not to exceed 30 years; however, an exception may be made with respect to federally sponsored loans, provided such an exception is consistent with law and accepted practices.

2. Debt issued for operating expenses must be repaid within the same fiscal year of issuance or incurrence.

6. **Types and Limits of Debt.** (a) The Town will seek to limit total outstanding debt obligations such that the annual cost of all debt retirement payments, including loan service fees, does not exceed 20% of annual General Fund revenues, excluding enterprise debt, and revenue debt.

(b) The limitation on total outstanding debt must be reviewed prior to the issuance of any new debt.

(c) The Town's/Town's total outstanding debt obligation will be monitored and reported to the governing board by the Finance Officer at such time as the annual budget is presented to the governing board and prior to the issuance of new debt by the Town. The Finance Officer shall monitor the maturities and terms and conditions of all obligations to ensure compliance. The

Finance Officer shall also report to the governing board any matter that adversely affects the credit or financial integrity of the Town.

(d) The Town is authorized to issue General Obligation bonds, Revenue bonds, TIFs, inter-fund and other short-term loans, anticipatory notes and other debt allowed by law. The Town has determined it currently will not issue private debt (debt from a private individual).

(e) The Town will seek to structure debt with level or declining debt service payments over the life of each individual bond issue or loan.

(f) As a rule, the Town will not backload, use "wrap-around" techniques, balloon payments or other exotic formats to pursue the financing of projects. When refunding opportunities, natural disasters, other non-general fund revenues, or other external factors occur, the Town may utilize non-level debt methods. However, the use of such methods must be thoroughly discussed in a public meeting and the governing body must determine such use is justified and in the best interest of the Town.

(g) The Town may use capital leases to finance short-term projects.

(h) Bonds backed with a general obligations pledge often have lower interest rates than revenue bonds. The Town may use its General Obligation pledge with revenue bond issues when the populations served by the revenue bond projects overlap or significantly are the same as the property tax base of the Town. The Town Council and management are committed to maintaining rates and fee structures of revenue supported debt at levels that will not require a subsidy from the Town's General Fund.

7. **Use of Variable Rate Debt.** (a) The Town recognizes the value of variable rate debt obligations and that cities have greatly benefitted from the use of variable rate debt in the financing of needed infrastructure and capital improvements.

(b) However, the Town also recognizes there are inherent risks associated with the use of variable rate debt and will implement steps to mitigate these risks; including:

1. The Town will annually include in its budget an interest rate assumption for any outstanding variable rate debt that takes market fluctuations affecting the rate of interest into consideration.

2. Prior to entering into any variable rate debt obligation that is backed by insurance and secured by a liquidity provider, the Town governing board shall be informed of the potential affect on rates as well as any additional costs that might be incurred should the insurance fail.

3. Prior to entering into any variable rate debt obligation that is backed by a letter of credit provider, the Town governing board shall be informed of the potential affect on

rates as well as any additional costs that might be incurred should the letter of credit fail.

4. Prior to entering into any variable rate debt obligation, the Town governing board will be informed of any terms, conditions, fees, or other costs associated with the prepayment of variable rate debt obligations.

5. The Town shall consult with persons familiar with the arbitrage rules to determine applicability, legal responsibility, and potential consequences associated with any variable rate debt obligation.

8. **Use of derivatives.** The Town chooses not to use derivative or other exotic financial structures in the management of the Town's debt portfolio. Prior to any reversal of this provision:

(a) A written management report outlining the potential benefits and consequences of utilizing these structures must be submitted to the Town governing board; and

(b) The Town governing board must adopt a specific amendment to this policy concerning the use of derivatives or interest rate agreements that complies with the State Funding Board Guidelines.

9. **Costs of Debt.** (a) All costs associated with the initial issuance or incurrence of debt, management and repayment of debt (including interest, principal, and fees or charges) shall be disclosed prior to action by the Town governing board in accordance with the notice requirements stated above.

(b) In cases of variable interest or non-specified costs, detailed explanation of the assumptions shall be provided along with the complete estimate of total costs anticipated to be incurred as part of the debt issue.

(c) Costs related to the repayment of debt, including liabilities for future years, shall be provided in context of the annual budgets from which such payments will be funded (i.e. General Obligations bonds in context of the General Fund, Revenue bonds in context of the dedicated revenue stream and related expenditures, loans and notes).

10. **Refinancing Outstanding Debt.** The Town will refund debt when it is in the best financial interest of the Town to do so, and the Chief Financial Officer shall have the responsibility to analyze outstanding bond issues for refunding opportunities. The decision to refinance must be explicitly approved by the governing body, and all plans for current or advance refunding of debt must be in

compliance with state laws and regulations. The Chief Financial Officer will consider the following issues when analyzing possible refunding opportunities:

(a) Onerous Restrictions – Debt may be refinanced to eliminate onerous or restrictive covenants contained in existing debt documents, or to take advantage of changing financial conditions or interest rates.

(b) Restructuring for Economic Purposes – The Town will refund debt when it is in the best financial interest of the Town to do so. Such refunding may include restructuring to meet unanticipated revenue expectations, achieve cost savings, mitigate irregular debt service payments, or to release reserve funds. Current refunding opportunities may be considered by the Chief Financial Officer if the refunding generates positive present value savings, and the Chief Financial Officer must establish a minimum present value savings threshold for any refinancing.

(c) Term of Refunding Issues – The Town will refund bonds within the term of the originally issued debt. However, the Chief Financial Officer may consider maturity extension, when necessary to achieve a desired outcome, provided such extension is legally permissible. The Chief Financial Officer may also consider shortening the term of the originally issued debt to realize greater savings. The remaining useful life of the financed facility and the concept of inter-generational equity should guide this decision.

(d) Escrow Structuring – The Town shall utilize the least costly securities available in structuring refunding escrows. Under no circumstances shall an underwriter, agent or financial advisor sell escrow securities to the Town from its own account.

(e) Arbitrage – The Town shall consult with persons familiar with the arbitrage rules to determine applicability, legal responsibility, and potential consequences associated with any refunding.

11. **Professional services.** (a) The Town shall require all professionals engaged in the process of issuing debt to clearly disclose all compensation and consideration received related to services provided in the debt issuance process by both the Town and the lender or conduit issuer, if any. This includes “soft” costs or compensations in lieu of direct payments.

(b) Counsel: The Town shall enter into an engagement letter agreement with each lawyer or law firm representing the Town in a debt transaction; except that no engagement letter is required for any lawyer who is an employee of the Town or lawyer or law firm which is under a general appointment or contract to serve as counsel to the Town. The Town does not need an engagement letter with counsel not representing the Town, such as underwriters’ counsel.

(c) Financial Advisor: Should the Town decide to retain a financial advisor, the Town shall enter into a written agreement with each person or firm serving as financial advisor for debt management and transactions. Whether in a competitive sale or negotiated sale, the financial advisor

shall not be permitted to bid on, privately place or underwrite an issue for which they are or have been providing advisory services for the issuance or broker any other debt transactions for the Town.

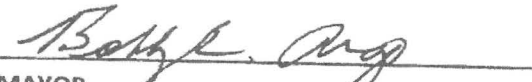
(d) Underwriter: If an underwriter is retained, the Town shall require the Underwriter to clearly identify itself in writing (*e.g., in a response to a request for proposals or in promotional materials provided to an issuer*) as an underwriter and not as a financial advisor from the earliest stages of its relationship with the Town with respect to that issue. The Underwriter must clarify its primary role as a purchaser of securities in an arm's-length commercial transaction and that it has financial and other interests that differ from those of the Entity. The Underwriter in a publicly offered, negotiated sale shall be required to provide pricing information both as to interest rates and to takedown per maturity to the Town governing board in advance of the pricing of the debt.

(e) Conflicts: Professionals involved in a debt transaction hired or compensated by the Town shall be required to disclose to the Town existing client and business relationships between and among the professionals to a transaction (including but not limited to financial advisor, swap advisor, bond counsel, swap counsel, trustee, paying agent, liquidity or credit enhancement provider, underwriter, counterparty, and remarketing agent), as well as conduit issuers, sponsoring organizations and program administrators. This disclosure shall include that information reasonably sufficient to allow the Town to appreciate the significance of the relationships. Professionals who become involved in the debt transaction as a result of a bid submitted in a widely and publicly advertised competitive sale conducted using an industry standard, electronic bidding platform are not subject to this disclosure. No disclosure is required that would violate any rule or regulation of professional conduct.

12. **Review of Policy.** This policy shall be reviewed at least annually by the Town governing board with the approval of the annual budget. Any amendments shall be considered and approved in the same process as the initial adoption of this Policy, with opportunity for public input.

13. **Compliance.** The Town Finance Officer is responsible for ensuring compliance with this policy.

PASSED AND APPROVED THIS 10 DAY OF December, 2011 BY A ROLL CALL VOTE OF THE
Trezevant BOARD OF MAYOR AND ALDERMEN.


MAYOR

ATTEST: Kathy Edwards
Town Recorder

Cost of Tap Installation

Name of Utility Trezevant

Prepared By: _____ Title : _____

Date Prepared: _____

Type of Tap Water Tap

Quantity	Itemized Description	Cost	Total Cost
<u>1</u>	Water Meter @	<u>\$49.90</u> each	\$49.90
<u>1</u>	Meter Box @	<u>\$24.50</u> each	\$24.50
<u>1</u>	Meter setter/Check Valve @	<u>\$182.12</u> each	\$182.12
	Corporation Stop @	_____ each	\$0.00
<u>100</u>	Feet of Service Line @	<u>\$0.95</u> per foot	\$95.00
	Feet of Location Wire/Tape @	_____ per foot	\$0.00
	connection meter fitting @	_____ each	\$0.00
<u>1</u>	Saddle @	<u>\$63.44</u> each	\$63.44
	Air Compressors @	_____ each	\$0.00
	Valve or Valve Parts @	_____ each	\$0.00
<u>1</u>	Backhoe Hours @	<u>\$75.00</u> per hour	\$75.00
	Boring @	_____ per foot	\$0.00
	Truck and Trailer Hours @	_____ per mile	\$0.00
	Locate Cost @	_____ per hour	\$0.00
	Miscellaneous	_____	\$0.00
	Seed Straw@	_____	\$0.00
	1000 Gallons Flushing @	_____ per 1000	\$0.00
<u>1</u>	Administrative Hours @	<u>\$25.00</u> per hour	\$25.00
	Final clean -up/&inspection	_____	\$0.00
	Installation Labor for <u>1</u> men x <u>2</u> hours @	<u>\$25.00</u> per hour	\$50.00
	Overhead	_____	\$0.00
		Total	\$564.96

Cost of Tap Installation

Name of Utility Trezevant

Prepared By: _____ Title : _____

Date Prepared: _____

Type of Tap Sewer Tap

Quantity	Itemized Description	Cost	Total Cost
<u>MATERIALS</u>			
<u>0</u>	Tap into main @	\$0.00 each	\$0.00
<u>60</u>	Feet of Service Line @	\$2.50 per foot	\$150.00
<u>0</u>	Feet of Location Wire/Tape @	\$0.00 per foot	\$0.00
<u>1</u>	connection sewer main fitting @	\$91.09 each	\$91.09
<u>0</u>	Saddle @	\$0.00 each	\$0.00
<u>0</u>	Air Compressors @	\$0.00 each	\$0.00
<u>0</u>	Valve or Valve Parts (if used) @	\$0.00 each	\$0.00
<u>2</u>	Backhoe Hours @	\$75.00 per hour	\$150.00
<u>0</u>	Boring @	\$0.00 per foot	\$0.00
<u>0</u>	Truck and Trailer Hours @	\$0.00 per hour	\$0.00
<u>0</u>	Locate Cost @	\$0.00 per hour	\$0.00
<u>0</u>	Seed Straw@	\$0.00 per hour	\$0.00
<u>1</u>	Administrative Hours @	\$25.00 per hour	\$25.00
<u>0</u>	Clean out at customer connection point @	\$0.00 each	\$0.00
<u>0</u>	Cavel in protection if over 5' deep	\$0.00 each	\$0.00
<u>0</u>		\$0.00	\$0.00
<u>0</u>			
<u>0</u>	Miscellaneous	\$0.00	\$0.00
	Final clean -up/&inspection	\$0.00 per hour	\$0.00
	Installation Labor for <u>1</u> men x <u>2</u> hours @	\$37.50 per hour	\$75.00
	Overhead	_____ each	\$0.00
	Total	per hour	\$491.09

Note: Labor can vary significantly depending on soil conditions (rock) and depth of main line.

Ordinance No. _____

An Ordinance Authorizing Leak Adjustments for Water and Sewer Customers of the Town of Trezevant, Tennessee

Whereas, the Board of Mayor and Aldermen desires to have a fair, consistent and equitable procedure to adjust high water and sewer bills caused by leak on the customer's side of the Town's water meter.

Be It Ordained by the Board of Mayor and Alderman of Town of Trezevant, Tennessee, that the following policy be adopted for the adjustment of high water and sewer bills caused by a leak on the customer's side of the meter as a new Section 18-126 to the Trezevant Municipal Code.

18-126. Leak Adjustments

(1) The customer is responsible for paying for all metered water usage at the customer's service address and for paying all sewer charges based upon metered water usage. Customers are responsible for keeping their plumbing repaired and in good working order.

(2) To qualify for a leak adjustment, the following conditions must be met.

(a) Water loss from a leak must result in a monthly water bill which is at least one and half times more than the customer's average monthly water bill for the previous three months. When a customer does not have three months water usage history with the Town, the customer's average water usage will be based upon the customer's average water usage for the number of full months the customer has actually received water service at the service address.

(b) The customer must locate and timely repair the water leak which must be verified by the Town. The repair may be verified one of the following methods.

(i) The customer must present the Town with an affidavit or written statement from a plumber that the leak has been located and repaired.

(ii) The customer must provide the Town with a copy a bill or invoice for materials purchased to repair the leak and must verify the customer repaired the leak.

(iii) A Town employee must be able to verify that the customer repaired the leak by an on-site inspection.

(c) When the customer has a chronic leak, the Town may require the replacement of the customer service line before a leak adjustment is made.

(d) The leak must have been concealed and not readily detectable by a reasonable person such as a leak in an underground water service line between the meter and the exterior of a house or building or within walls or under the floors of a house or building.

(e) No leak adjustment will be made for leaks which are readily detectable by the customer. These include the following:

- i. Leaking faucets and toilets;
- ii. Faucets, hoses and other water outlets left running;
- iii. Water used for filling swimming pools, washing cars and irrigating lawns gardens; or
- iv. Leaks from swimming pool systems and from irrigation systems.

(f) Only one bill will be adjusted for a qualifying leak in any consecutive twelve-month period, unless the customer appears before the Board of Mayor and Aldermen and requests a second adjustment. The leak adjustment will only be made in the billing cycle in which the leak is repaired.

(4) The water and sewer bill which qualifies for a leak adjustment will be adjusted to the average of the high monthly bill in which the leak occurred and the customer's bill for the prior two months.

(5) When a high sewer bill is caused by a water leak which does not qualify for a water leak adjustment under section (2) and the Town determines the water from the non-qualifying leak did not enter the Town's sewer system, the Town will adjust the customer's high sewer bill to the customer's average sewer bill using the customer's average monthly water usage for the previous three months.

(6) In hardship cases the Town's Board of Mayor and Aldermen may approve monthly installment payments for the adjusted bill not to exceed twelve (12) consecutive monthly installments.

Ordinance No. 081021

An Ordinance Setting Water and Sewer Tap Fees

Whereas, The Town of Trezevant is required by State law to operate utilities as an enterprise fund where sufficient fees are charged to pay for water and sewer connection costs of the utility; and

Whereas, present fees are insufficient to cover the costs of water and sewer connection; now

Therefore, Be it Ordained by the Town Board of Mayor and Alderman of Town of Trezevant, Tennessee as follows:

Section 1. The water tap fee will be set at \$600.00 for new water tap installations;

Section 2. The sewer tap fee will be set at \$500.00 for new sewer tap installations;

Section 3. This ordinance shall be effective upon its final passage, the public welfare requiring it.

Section 4. Any ordinance provisions or municipal code provisions in conflict with the herein provisions of this ordinance are repealed.

Passed 1st reading 7-13, 2021

Passed 2nd reading 8-10, 2021

Bobby J. Bloylock
Mayor

Kathy Edwards
Attest: City Recorder



JASON E. MUMPOWER
Comptroller

Entity Referred: **City of Watertown**

Referral Reason: **Negative Change in Net Position**

Utility Type Referred: **Water and Sewer**

Staff Summary:

The City contracted with TAUD to perform a rate study in accordance with the Board's previous order. TAUD has completed the study and submitted its resulting report and recommendations to the City and to Board staff. The City has implemented TAUD's recommendations.

Staff Recommendation:

Order the following:

1. The City shall send financial updates to Board staff by March 1st and September 1st of each year, beginning March 1, 2022, until the Board releases the City from its oversight.

ORDINANCE 2021- _____ OF THE BOARD OF MAYOR AND ALDERMEN
OF THE CITY OF WATERTOWN, TENNESSEE TO ESTABLISH THE WATER RATES AND SEWER RATES

WHEREAS, the Tennessee Water and Wastewater Financing Board has been reviewing the financial status of the City of Watertown’s Water and Sewer Fund pursuant to State Laws; and

WHEREAS, that Board had previously ordered the City to have a rate study conducted by the Tennessee Association of Utility Districts and to implement the recommendations of that study, even though the City has a very healthy reserve account balance; and

WHEREAS, on April 29, 2021, the Tennessee Water and Wastewater Financing Board met and from that meeting issued an Order requiring the City to implement by June 30, 2021, the rate increase proposed by the Tennessee Association of Utility Districts;

NOW, THEREFORE, BE IT ENACTED by the Board of Mayor and Alderman of the City of Watertown, Tennessee that the City’s Water Rates be set as follows:

Minimum Bill (Includes 2,000 Gallons)	\$15.64 per 1,000 Gallons
0-2,000 Gallons	\$4.37 per 1,000 Gallons
2,001-10,000 Gallons	\$5.89 per 1,000 Gallons
Over 10,000 Gallons	\$6.82 per 1,000 Gallons

BE IT FURTHER ENACTED that the rate for Sewer Service be the same as the charge for water.

This Ordinance shall take effect from and after its passage, the welfare of the City requiring it.

MAYOR

CITY RECORDER

APPROVED:
First Reading: _____

Second Reading: _____



JASON E. MUMPOWER
Comptroller

Entity Referred: **City of Copperhill**

Referral Reason: **Negative Change in Net Position**

Utility Type Referred: **Water and Sewer**

Staff Summary:

The Board's May 10, 2021, order required the City to provide proof that it implemented the recommendations of TAUD's January 2021 report by June 30, 2021. When Staff contacted the City in preparation for this meeting, the City indicated that it had not received the TAUD report, and therefore its recommendations had not been implemented. Board staff forwarded the report to the City, which has assured staff that it will implement the report's recommendations when it is presented to the City's governing body. The City has recently had turnover in its staff which could have led to the confusion with receiving and implementing the rate study.

Staff Recommendation:

Order the following:

1. By January 7, 2022, the City shall send Board staff proof that it has implemented the recommendations contained in the January 21, 2020, TAUD report.
2. The City shall send financial updates to Board staff by March 1st and September 1st of each year, beginning March 1, 2021, until the Board releases the City from its oversight.



Tennessee Utility Assistance, LLC
840 Commercial Court
Murfreesboro, TN 37129
Voice (615) 896-9022
Fax (615) 898-8283

REPORT FOR CITY OF COPPERHILL, TENNESSEE

WATER AND WASTEWATER FINANCING BOARD ORDER DATED SEPTEMBER 30, 2019

January 21, 2020

INTRODUCTION

Description of the Copperhill Water System and Sewer System

The City of Copperhill, Tennessee (City or Copperhill) is located in Polk County. The governing board of the City's water and sewer system is its Mayor and Board of Aldermen. As of March 25, 2020, the City provided water service to 378 customers and provided sewer service to 282 customers. The City treats wastewater from the City of McCaysville, Georgia. The City operates a wastewater treatment plant with a design capacity of 0.7 MGD which discharges into the Ocoee River.

As of March 25, 2020, the City had the following rate classes for water service and the following numbers of customers in each water rate class:

Residential – Inside	212
Residential – Outside	127
Commercial - Inside	36
Commercial - Outside	3

All of the City's sewer customers are located inside its city limits. The City has a residential sewer rate and commercial sewer rate.

The City was referred to the Water and Wastewater Financing Board (WWFB) upon the submission of its audit for its fiscal year ending June 30, 2017, because it met the statutory definition for a financially distressed municipal water and sewer system. The system had a negative change in net position for two consecutive years without regard to any grants or capital contributions for its fiscal years ending June 30, 2016 and June 30, 2017.

History of Rates and Existing Rate Structure

Since the City was referred to the WWFB, the City has implemented one increase to its water and sewer rates which became effective on May 1, 2020. The current monthly service rate schedule which became effective on May 1, 2020 is attached as **Exhibit 1** to this Report.

The City has a contract with the City of McCaysville, Georgia to treat its wastewater. The terms of this contract prescribe the rates the City of McCaysville pays the City through March 31, 2022.

Even with this rate increase, TUA projects the City's water and sewer fund will have a negative change in net position for its fiscal year ending June 30, 2021.

The balance of the Cash and Investments accounts of the Water and Sewer Fund as of July 1, 2020, was \$16,189.

Water and Wastewater Financing Board Order

On September 30, 2019, the Water and Wastewater Financing Board (WWFB) issued an order directing the City of Copperhill do the following items.

(1) The City shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:

- a. a review of the capitalization policy, including any recommended modifications;
- b. the creation of a five-year capital asset budget, to be taken from the current capital asset list and to include future anticipated needs; and
- c. a review of the leak adjustment policy, including any recommended modifications.

(2) By October 31, 2019, the City shall send Board staff a copy of the contract between the City and the qualified expert who is to perform the tasks in paragraph 1.

(3) By February 28, 2020, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

RECOMMENDATIONS

Recommendation #1

The City needs to adopt the Five-Year Capital Asset Plan attached as **Exhibit 2**.

Recommendation #2

TUA recommends the City adopt new water and sewer rates set effective April 1, 2021 as follows:

Water

Inside City:

Minimum (includes 1,000 gallons)	\$26.00
Over 1,000 gallons	\$ 6.75 per 1,000 gallons

Outside City:

Minimum (includes 1,000 gallons)	\$44.04
Over 1,000 gallons	\$ 6.75 per 1,000 gallons

Sewer

Residential

Minimum (include 1,000 gallons)	\$18.00
Over 2,000 gallons	\$ 4.80 per 1,000 gallons

Commercial

Minimum (includes 1,000 gallons)	\$20.00
Over 1,000 gallons	\$ 5.25 per 1,000 gallons

City of McCaysville (No rate change)

0 - 5,000,000 gallons	\$5.00 per 1,000 gallons
Over 5,000,000 gallons	\$4.25 per 1,000 gallons

Recommendation # 3

The City should adopt a resolution to establish a capitalization policy which incorporates the capitalization cost thresholds and service lives the City currently uses for all capital assets except

its water and sewer system assets. The City's capitalization policy should adopt the service lives for its water and sewer system using the recommended service lives adopted by the WWFB for municipal water and sewer systems. TUA prepared a suggested resolution which the City can adopt to establish the recommended capitalization policy.

FIVE YEAR CAPITAL ASSET PLAN

In July 2020, John Hall met with Suzanne Hughes, the City Recorder, to discuss potential capital improvements and the purchase of other capital assets the City was planning to make or should consider making to its water and sewer system over the next five years. They discussed the options for funding these capital expenditures. Mr. Hall prepared a Five-Year Capital Asset Plan based upon these discussions which was used in the TUA financial projections.

The City should adopt the Five-Year Capital Asset Plan attached to this Report as **Exhibit 2**.

RATE STUDY AND PROPOSED PLAN OF ACTION

To determine whether existing rates will produce sufficient revenues to make the City's water and sewer system self-supporting, TUA first projected a Statement of Revenues and Expenses and Changes in Net Position for the City's water and sewer fund for its fiscal year ending June 30, 2021, to use as its test year. TUA projected the revenues for the system using existing rates. TUA projected operation and maintenance expenses and debt service payments by reviewing historical information from the five previous years, the City's budget for its water and sewer fund for the fiscal year ending June 30, 2021, and any known and anticipated changes during the test year.

Then, TUA projected Statements of Revenues and Expenses and Changes in Net Position for the City's water and sewer fund for its fiscal years ending June 30 of 2021, 2022, 2023, 2024, and 2025. See **Exhibit 3** attached to this Report.

Revenue Projections:

- Water and sewer revenues for the fiscal year ending June 30, 2021, except for sewer revenues from the City of McCaysville, were projected by taking the City's actual water usage reports for all rate classes as of June 30, 2019 and applying the City's existing water and sewer rates to this actual usage. In reviewing the City water usage and billing information, TUA discovered that the City was not billing a material number of its customers. TUA added \$3,000 of revenue per month to account for these customers who were not being billed.
- Sewer revenues from the City of McCaysville were projected using the rates in the agreement between the City and the City of McCaysville dated April 1, 2019.
- Miscellaneous revenue for the test year was projected based upon the average of miscellaneous revenue for the fiscal years ending June 30 of 2019 and 2020.
- Since 2016 the City has experienced minimal annual customer growth and does not plan to expand its existing water or sewer system in the near future. Therefore, the metered sales for the remaining four years of the five-year projection period do not include any revenue increases based annual customer growth.

Expense Projections:

- Except for depreciation, all operating expenses for the test year are projected based upon the average of these expenses for the fiscal years ending June 30 of 2019 and 2020. See the Revenues and Expenses - Test Year schedule attached as **Exhibit 4**.
- Depreciation for the test year is based upon the City's fixed asset schedule which includes the annual depreciation of its capital assets plus depreciation on the capital assets added during the fiscal year ending June 30, 2020.
- For the remaining four years in the five-year projection, all operating expenses, except depreciation, are increased by 2% annually over the projected amount for the test year
- Annual depreciation expenses for the remaining four years of the five-year projection period are projected based upon the City's existing fixed asset schedule and the service lives used on this schedule for depreciation. Depreciation on new capital assets included in the capital asset plan during the five-year projection period are based upon the City's current capitalization policy and the service lives recommended in the City's new suggested capitalization policy.
- Interest expense is based on current debt amortization schedules during the five-year projection period.

Revenue Sufficiency and Rate Modifications Required

TUA projects that the City's water and sewer fund will have a positive change in net position of \$2,386 for the test year ending June 30, 2021, not including capital contributions and grant revenue.

Based upon the projected Statements, the City's water and sewer fund will begin having a negative change in its net position each year at current rates for its fiscal year ending June 20, 2022 and for fiscal years in five-year projection period.

Rate Changes Effective April 1, 2021

TUA recommends the following changes to the City's existing rates to become effective April 1, 2021.

- The City reduce the number of usage rate tiers from three to one for all customer classes.
- The City increase its monthly water and sewer rates effective April 1, 2021 as follows:

Water

Inside City:

Minimum (includes 1,000 gallons)	\$26.00
Over 1,000 gallons	\$ 6.75 per 1,000 gallons

Outside City:

Minimum (includes 1,000 gallons)	\$44.04
Over 1,000 gallons	\$ 6.75 per 1,000 gallons

Sewer

Residential

Minimum (include 1,000 gallons)	\$18.00
Over 2,000 gallons	\$ 4.80 per 1,000 gallons

Commercial

Minimum (includes 1,000 gallons)	\$20.00
Over 1,000 gallons	\$ 5.25 per 1,000 gallons

City of McCaysville (No rate change)

0 - 5,000,000 gallons	\$5.00 per 1,000 gallons
Over 5,000,000 gallons	\$4.25 per 1,000 gallons

- These rate changes to become effective July 1, 2021 should give the City's water and fund a positive change in net position for its fiscal year ending June 30, 2022. See **Exhibit 3**.

Rate Changes for the Fiscal Year Beginning July 1, 2022

TUA recommends a series of small annual rate increases in water and sewer rates through July 1, 2024 to ensure the City's water and sewer fund continues to have a positive change in net position. See **Exhibit 5** attached to this Report.

The annual rate recommendations for the fiscal years beginning July 1, 2022, are based upon revenue and expense projections which are subject to change. Therefore, the rate recommendations should be reviewed annually as a part of the budgetary process each year to ensure that rates recommended will continue to produce sufficient revenues to give the water fund a positive change in net position in future fiscal years.

Projected Cash and Investments Schedule

If the City adopts the rate increases recommended by TUA, the water fund should have a cash and investments balance of \$740,707 as of June 30, 2025. The Water and Sewer Fund - Projected Cash and Investments Balance Schedule is attached as **Exhibit 6**.

CITY'S CAPITALIZATION POLICY

The City was not able to locate a resolution or other action which set forth its capitalization policy. The City should adopt a resolution which incorporates the capitalization cost thresholds and service lives the City currently uses for all capital assets except its water and sewer system assets. The City's capitalization policy should include the service lives for its water and sewer system using the recommended service lives adopted by the WWFB for municipal water and sewer systems. TUA prepared a suggested resolution which the City can adopt to establish this recommended capitalization policy which is attached as **Exhibit 7** to this Report.

LEAK ADJUSTMENT POLICY

TUA reviewed the City's leak adjustment policy which is attached as **Exhibit 8** to this Report. The formula used to adjust high water and sewer bills caused by a water leak on the customer's side of the meter is appropriate and similar to the formula used by a substantial number of other water and sewer utilities in the state. TUA does not recommend any changes to the existing leak adjustment ordinance.

Copperhill, Tennessee - Water and Sewer Rates started May 1, 2020**WATER****Residential Inside**

Minimum (1,000 gallons)	\$15.00
1,001 - 1,400 gallons	\$25.00
1,400 - 2,000 gallons	\$35.00
Over 2,000 gallons	\$6.16 / 1,000 gallons

Residential Outside

Minimum (1,000 gallons)	\$35.00
1,001 - 1,400 gallons	\$43.04
1,400 -2,000 gallons	\$51.08
Over 2,000 gallons	\$6.16 / 1,000 gallons

Commercial Inside

Minimum (1,000 gallons)	\$15.00
1,001 - 1,400 gallons	\$25.00
1,400 -2,000 gallons	\$42.50
Over 2,000 gallons	\$6.16 / 1,000 gallons

Commercial Outside

Minimum (1,000 gallons)	\$35.00
1,001 - 1,400 gallons	\$43.04
1,400 -2,000 gallons	\$54.73
Over 2,000 gallons	\$6.16 / 1,000 gallons

Industrial

Minimum (2,000 gallons)	\$48.15
Over 2,000 gallons	\$6.62 / 1,000 gallons

SEWER**Residential**

Minimum (1,000 gallons)	\$15.00
1,001 - 1,400 gallons	\$15.00
1,400 -2,000 gallons	\$19.00
Over 2,000 gallons	\$3.85 / 1,000 gallons

Commercial

Minimum (1,000 gallons)	\$15.00
1,001 - 1,400 gallons	\$19.00
1,400 -2,000 gallons	\$22.00
Over 2,000 gallons	\$4.55 / 1,000 gallons

McCaysville

Minimum (5 m gallons)	\$5.00
Over 5,000,000 gallons	\$4.25 / 1,000 gallons

Copperhill, Tennessee - Water and Sewer Fund
Five Year Capital Asset Plan

	<u>6/30/2021</u>	<u>6/30/2022</u>	<u>6/30/2023</u>	<u>6/30/2024</u>	<u>6/30/2025</u>
Distribution System	200,000	200,000			
Leak Survey	10,000				
I & I Rehab - Downtown		200,000	200,000		
Trucks			10,000	15,000	
Wastewater Plant				500,000	500,000
Tractor					5,000
Total	210,000	400,000	210,000	515,000	505,000
Cumulative Depreciation	6,429	16,429	23,429	38,929	52,429
Total Capital Outlay & Depreciation	216,429	416,429	233,429	553,929	557,429
<u>Source of Funds</u>					
Loans	-	-	-	-	-
Grants	210,000	400,000	200,000	500,000	500,000
Cash		-	10,000	15,000	5,000
Total Funding Sources	210,000	400,000	210,000	515,000	505,000

Copperhill, Tennessee- Projected Statements of Revenues and Expenses and Changes in Net Position

Water and Sewer Fund

	Projected 6/30/2021	Projected 6/30/2022	Projected 6/30/2023	Projected 6/20/2024	Projected 6/30/2025
Operating Revenues:					
Water Revenue	270,145	270,145	270,145	270,145	270,145
Sewer Revenues	75,611	75,611	75,611	75,611	75,611
McCaysville Sewer Revenue	390,429	390,429	390,429	390,429	390,429
Miscellaneous	17,070	17,070	17,070	17,070	17,070
Total Operating Revenues	753,255	753,255	753,255	753,255	753,255
Operating Expenses:					
Wages	149,921	152,919	155,978	159,097	162,279
Employee Benefits	35,453	36,162	36,885	37,623	38,375
Operations	20,966	21,385	21,813	22,249	22,694
Water Purchases	150,980	154,000	157,080	160,221	163,426
Repairs and Maintenance	83,136	84,799	86,495	88,225	89,989
Supplies and Chemicals	6,094	6,216	6,340	6,467	6,596
Office Expense	5,540	5,651	5,764	5,879	5,997
Vehicle Expense	2,381	2,429	2,477	2,527	2,577
Dues and Fees	385	393	401	409	417
Insurance	4,741	4,836	4,933	5,031	5,132
Utilities	61,016	62,236	63,481	64,751	66,046
Professional Services	13,543	13,814	14,090	14,372	14,659
Depreciation	154,060	170,489	177,489	192,989	206,489
Miscellaneous	10,743	10,958	11,177	11,401	11,629
Total Operating Expenses	698,959	726,286	744,401	771,240	796,305
Operating Income (Loss)	54,296	26,969	8,854	(17,985)	(43,050)

Nonoperating Revenues (Expenses)					
Interest Expense	(51,910)	(50,301)	(48,619)	(46,975)	(45,020)
Total Nonoperating Revenues (Expenses)	(51,910)	(50,301)	(48,619)	(46,975)	(45,020)
Change in Net Position	2,386	(23,332)	(39,765)	(64,960)	(88,070)
Revenue Generated from Suggested Rate Increase	6,671	26,685	50,131	77,452	100,440
Change in Net Position after Suggested Rate Increase	9,057	3,353	10,365	12,493	12,371
Capital Contributions / Grants	210,000	400,000	200,000	500,000	500,000

Copperhill, Tennessee- Test Year
Water and Sewer Fund

	City Water Budget	2 Year Average	TUA Projected for 20-21	
	<u>FY 20-21</u>	<u>Average</u>	<u>20-21</u>	
Operating Revenues:				
Water Revenue	610,000	619,154	270,145	Used calculated amount plus \$3,000 / mo. from reclaimed revenue
Sewer Revenues	included above	included above	75,611	Used calculated amount
McCaysville Sewer Revenue	included above	included above	390,429	Used calculated amount plus increase in rates effective 5/1/20
Miscellaneous	7,121	17,070	17,070	Used 2 year average
Total Operating Revenues	617,121	636,224	753,255	
Operating Expenses:				
Wages	143,280	149,921	149,921	Used 2 year average
Employee Benefits	41,319	35,453	35,453	Used 2 year average
Operations	18,000	20,966	20,966	Used 2 year average
Water Purchases	148,000	150,980	150,980	Used 2 year average
Repairs and Maintenance	47,300	83,136	83,136	Used 2 year average
Supplies and Chemicals	300	6,094	6,094	Used 2 year average
Office Expense	2,500	5,540	5,540	Used 2 year average
Vehicle Expense	6,700	2,381	2,381	Used 2 year average
Dues and Fees	250	385	385	Used 2 year average
Insurance	2,000	4,741	4,741	Used 2 year average
Utilities	47,800	61,016	61,016	Used 2 year average
Professional Services	3,000	13,543	13,543	Used 2 year average
Deprecation	148,703	146,266	154,060	Used depreciation schedule plus new additions
Miscellaneous	-	10,743	10,743	Used 2 year average
Total Operating Expenses	609,152	691,161	698,959	
Operating Income (Loss)	7,969	(54,937)	54,296	
Nonoperating Revenues (Expenses)				
Interest Expense	(53,603)	(54,522)	(51,910)	Used amounts from amortization schedule
Total Nonoperating Revenues (Expenses)	(53,603)	(54,522)	(51,910)	
Change in Net Position before Contributed Capital				
Capital Contributions / Grants	-	221,733	210,000	Grants anticipated per John Hall visit
Change in Net Position	(45,634)	112,274	212,386	

Copperhill, Tennessee - Water and Sewer Rate Recommendations

Effective Date April 1, 2021

WATER	
<u>Residential & Commercial - Inside</u>	
Minimum (1,000 gallons)	\$26.00
Over 1,000 gallons	\$6.75 / 1,000 gallons
<u>Residential & Commercial - Outside</u>	
Minimum (1,000 gallons)	\$44.04
Over 1,000 gallons	\$6.75 / 1,000 gallons
SEWER	
<u>Residential</u>	
Minimum (1,000 gallons)	\$18.00
Over 1,000 gallons	\$4.80 / 1,000 gallons
<u>Commercial</u>	
Minimum (1,000 gallons)	\$20.00
Over 1,000 gallons	\$5.25 / 1,000 gallons
<u>City of McCaysville</u>	
0 - 5,000,000	\$5.00 / 1,000 gallons
Over 5,000,000	\$4.25 / 1,000 gallons

To Start 7/1/22

WATER	
<u>Residential & Commercial - Inside</u>	
Minimum (1,000 gallons)	\$26.00
Over 1,000 gallons	\$6.90 / 1,000 gallons
<u>Residential & Commercial - Outside</u>	
Minimum (1,000 gallons)	\$44.04
Over 1,000 gallons	\$6.90 / 1,000 gallons
SEWER	
<u>Residential</u>	
Minimum (1,000 gallons)	\$18.00
Over 1,000 gallons	\$4.95 / 1,000 gallons
<u>Commercial</u>	
Minimum (1,000 gallons)	\$20.00
Over 1,000 gallons	\$5.40 / 1,000 gallons
<u>City of McCaysville</u>	
0 - 5,000,000	\$5.25 / 1,000 gallons
Over 5,000,000	\$4.50 / 1,000 gallons

To Start 7/1/23

<u>WATER</u>	
<u>Residential & Commercial - Inside</u>	
Minimum (1,000 gallons)	\$26.00
Over 1,000 gallons	\$7.25 / 1,000 gallons
<u>Residential & Commercial - Outside</u>	
Minimum (1,000 gallons)	\$44.04
Over 1,000 gallons	\$7.25 / 1,000 gallons
<u>SEWER</u>	
<u>Residential</u>	
Minimum (1,000 gallons)	\$18.00
Over 1,000 gallons	\$5.25 / 1,000 gallons
<u>Commercial</u>	
Minimum (1,000 gallons)	\$20.00
Over 1,000 gallons	\$5.75/ 1,000 gallons
<u>City of McCaysville</u>	
0 - 5,000,000	\$5.50 / 1,000 gallons
Over 5,000,000	\$4.75 / 1,000 gallons

To Start 7/1/24

<u>WATER</u>	
<u>Residential & Commercial - Inside</u>	
Minimum (1,000 gallons)	\$26.20
Over 1,000 gallons	\$7.50 / 1,000 gallons
<u>Residential & Commercial - Outside</u>	
Minimum (1,000 gallons)	\$44.20
Over 1,000 gallons	\$7.50 / 1,000 gallons
<u>SEWER</u>	
<u>Residential</u>	
Minimum (1,000 gallons)	\$18.20
Over 1,000 gallons	\$5.50 / 1,000 gallons
<u>Commercial</u>	
Minimum (1,000 gallons)	\$20.20
Over 1,000 gallons	\$6.00 / 1,000 gallons
<u>City of McCaysville</u>	
0 - 5,000,000	\$5.70 / 1,000 gallons
Over 5,000,000	\$4.95 / 1,000 gallons

Copperhill, Tennessee - Water and Sewer Fund - Projected Cash and Investment Schedule

	Projected <u>6/30/2021</u>	Projected <u>6/30/2022</u>	Projected <u>6/30/2023</u>	Projected <u>6/30/2024</u>	Projected <u>6/30/2025</u>
Beginning Balance	16,189	143,724	280,375	419,356	569,320
Sources of Funds					
Metered Sales ***	742,856	762,870	786,316	813,637	836,625
Miscellaneous	17,070	17,070	17,070	17,070	17,070
Grants	210,000	400,000	200,000	500,000	500,000
Total Sources of Funds	969,926	1,179,940	1,003,386	1,330,707	1,353,695
Uses of Funds					
Operating Expenses	698,959	726,286	744,401	771,240	796,305
Depreciation	(154,060)	(170,489)	(177,489)	(192,989)	(206,489)
Debt Service - Principal	35,582	37,191	38,873	40,517	42,472
Debt Service - Interest	51,910	50,301	48,619	46,975	45,020
Capital Expenditures	210,000	400,000	210,000	515,000	505,000
Total Uses of Funds	842,391	1,043,289	864,405	1,180,743	1,182,308
Ending Balance	143,724	280,375	419,356	569,320	740,707

*** Includes revenue from suggested rate increases

NOTE: This synopsis from beginning funds to ending funds does not include accounts receivable, accounts payable, fixed asset or any other adjustments made to the statement of net position. This is a "cash basis" summary.

RESOLUTION NO. 2021-_____

A RESOLUTION TO ESTABLISH CAPITALIZATION THRESHOLDS FOR ASSETS TO BE RECORDED AS CAPITAL ASSETS IN THE CITY'S FINANCIAL STATEMENTS

WHEREAS, the City of Copperhill, Tennessee (the City) desires to formally adopt the capitalization thresholds at which its assets have historically been capitalized and recorded as capital assets in the City's financial statements; and

WHEREAS, the City desires to establish appropriate capitalization thresholds and service lives for its water system assets which are consistent with the directives of the Water and Wastewater Financing Board for municipal water and sewer systems.

NOW, THEREFORE, BE IT RESOLVED by the Board of Mayor and Commissioners that:

(a) **Capitalization Thresholds.** The capitalization thresholds for the City's assets are a cost of \$5,000.00 and an estimated useful life of three years. Land and Construction in Progress are capitalized but not depreciated. The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend asset lives are not capitalized.

(b) **Asset Cost Basis.** Capital assets shall be recorded at historical cost when the cost is reasonably determinable. If historical cost data is not determinable, an estimated historical cost will be used.

- (1) Actual Cost – This cost will include the purchase or construction cost (which can be obtained through invoice, purchase order, and paid check files) and charges necessary to place the asset into service at its intended location. Such necessary costs may include costs such as freight and transportation, site preparation expenditures, interest costs, professional fees, and legal claims directly attributable to asset acquisition.
- (2) Estimated Cost – This cost will be based on as much documentary evidence as can be found to support the cost, such as interviews with vendors selling such assets engineers, or other personnel and price level adjustments based on the Consumer Price Index for each asset.
- (3) Donated Cost – These assets will be based on their estimated fair market value at time of acquisition. A determination as to the fair market value basis will be included with property records.
- (4) Interest on Debt Issued – Interest on debt issued for the construction of an asset will be capitalized as part of the asset's cost to the extent of the interest that was incurred during the construction period only.

(c) **Depreciation.**

(1) Depreciation is a method for allocating the cost of capital assets over their useful lives. Generally accepted accounting principles dictate that the value of the capital asset must be written off as an expense over the useful life of the asset.

(2) Annual depreciation expense will be calculated using the straight-line method.

(3) When the asset is disposed of, the actual date of disposal is disregarded, and the disposal date is the end of the month prior to the month of disposal (i.e. no depreciation is taken for the month of disposal).

(4) The salvage value of an asset is an estimate made by management of what the value of an asset will be at the end of its useful life. If the City intends to utilize a capital asset until it is literally worthless, a salvage value of zero (0) will be assigned.

(d) **Useful Lives of Capital Assets**

<u>Asset Type</u>	<u>Useful Life in Years</u>
Land and Easements	No depreciation
Infrastructure (other than water and sewer)	40-50
Buildings (other than water and sewer)	10-50
Furniture and Equipment (other than water and sewer)	5-10
Water System:	
Buildings (Office and Plant)	10-50
Equipment and Tools	10-15
Furniture and Fixtures	5-10
Machinery, Equipment and Service Vehicles	5-15
Pumps and Treatment Equipment	15-20
Transportation Equipment	5-10
Water Lines and Storage	40-50
Well / Dam	Engineer's Estimate

Sewer System:

Buildings (Office and Plant)	10-50
Equipment and Tools	10-15
Furniture and Fixtures	5-10
Machinery, Equipment and Service Vehicles	5-15
Pumps and Treatment Equipment	15-20
Transportation Equipment	5-10
Wastewater (Sewer) System	40-50

Adopted this ____ day of _____, 2021.

Mayor

Attest: _____
City Recorder

AN ORDINANCE AMENDING TITLE 18, CHAPTER 1 WATER & SEWERS, 2 OF THE CITY OF COPPERHILL MUNICIPAL CODE OF ORDINANCES BY COMPLYING WITH STATE OF TENNESSEE WATER AND WASTEWATER FINANCING BOARD AND ADDING THE FOLLOWING SECTIONS

BE IT ORDAINED by the board of Mayor and Aldermen of the city of Copperhill that

SECTION 1

1) Meter Tampering Policy

Meter tampering charges. Instances occur when customers damage the meter and other parts in the meter box in order to obtain the unauthorized use of water services. This may occur when service is disconnected or cut off. The meter reader turns off the meter and, when possible, locks it to prevent the unauthorized use of water services but unauthorized service may extend beyond this definition. It is a violation of Tennessee Code Annotated, § 39-14-101 for anyone other than city authorized personnel to remove and/or manipulate any parts located in the meter box to steal water services. When it has been determined that a Copperhill water meter has been tampered with, the following meter tampering charges will apply:

Replacing damaged meter and/or parts - \$200

2) Unauthorized water service connection or tampering.

No unauthorized person shall cover, uncover, make any connections with or opening in to use, alter, or destroy any public water main, tap, hydrant, or appurtenances thereof, without first obtaining a written permit from the utilities director. Costs associated with such activity and corrective action required by the city as a result of such activity shall be assessed to the unauthorized user. In addition to direct costs incurred (labor, lab tests, and material), a twenty-five percent (25%) indirect cost fee will be assessed with the minimum assessment being fifty dollars (\$50.00). Criminal prosecution may also be pursued.

3) Adjustments to bills due to leaks.

The City will notify by phone or have operating personnel personally notify customer when a leak is suspected. This section applies to verifiable leaks on the customer's side of the meter which have been corrected by the customer. The city reserves the right to refuse adjustments deemed frequent, unnecessary, questionable, or unreasonable based on facts available in each case.

(1) Line maintenance on the customer's side of the meter is totally an individual's responsibility. The city has no legal obligation to adjust billing for any such problem.

(2) If a verifiable leak has been discovered by the customer or by city employees which is on the customer's side of the meter and which has resulted in a significant increase in billing (twenty percent (20%) higher or more), then the customer may request an adjustment in billing of fifty percent (50%) of the amount over ordinary usage in accordance with the following provisions:

(a) The request is made by the customer in writing, including

a description of the problem, dates the problem first occurred, what was done to correct the problem, when it was corrected, and copies of receipts or other evidence acceptable to city utility billing personnel showing the problem existed and has been corrected.

(b) If deemed necessary, additional information may be requested by utility billing personnel. After utility billing personnel have adequate documentation, they are authorized to adjust the billing in accordance with the following provisions:

(i) If the customer has one (1) year or more billing history, use the average gallons usage of the same quarter the previous year. If there is not one (1) year's usage history, use the average usage for the immediate prior three (3) months.

(ii) Subtract the average usage obtained in the above calculation from the current bill usage. Multiply the difference or overage by fifty percent (50%).

(iii) Add the fifty percent (50%) overage amount back to the average bill. Apply the current rate structure to the gallons computed to derive the adjusted bill amount.

(c) Only one (1) adjustment will be allowed for an account in a six (6) month period. That adjustment can include one (1) or two (2) consecutive months within the six (6) month period.

(d) If an additional leak occurs during the six (6) month time frame covered by the first leak adjustment; and the billing for the second leak is more than the first leak; and the customer has a good payment history with no cut-offs for non-payment of bill, then the adjustment may be applied to the larger of the two (2) bills, with the customer paying one hundred percent (100%) of the lesser bill and the adjustment for the larger bill.

(e) Adjustments do not apply in the following or similar situations:

(i) Seasonal usage.

(ii) Faucets accidentally or maliciously left on or turned

on (inside or outside).

(iii) Cut-offs that are turned back on when faucets have been left on.

(iv) Customers filling pools.

4) Non - revenue water policy

The City of Copperhill non-revenue policy is that all water annual losses shall be less than 25 percent per year and the city will closely monitor losses each billing cycle.

5) Billing Adjustments

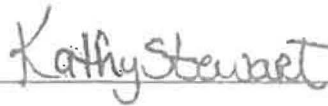
The City Clerk (Water Clerk) has authority to make any adjustments needed to any water and/or sewer account. All Water and/or Sewer adjustments must have the approval of the city Mayor. It is the policy of the City of Copperhill to make adjustments to customer utility bills where said adjustment is necessary to correct billing errors, to correct errors due to equipment failure, or to fairly apply the rates and rules of the utility. The purpose of this policy is to improve customer service by enabling staff to quickly and accurately respond to customer requests for adjustments to utility bills rather than waiting for the matter to come before the City Council and also setting forth the situations where adjustments will and will not be considered.

The city reserves the right to refuse adjustments deemed frequent, unnecessary, questionable, or unreasonable based on facts available in each case.

Section 2: This ordinance shall take effect from and after its final passage, the public welfare requiring it, and the municipal code, including all the codes and ordinances therein adopted by reference, shall be effective on and after that date.

Passed 1st reading October 17, 2016

Passed 2nd reading October 24, 2016



Mayor



Recorder



JASON E. MUMPOWER
Comptroller

Entity Referred: **Town of Englewood**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

In its May 10, 2021 order, the Board directed the Town to contract with a qualified expert for assistance in filling out the financial questionnaire and to send the completed questionnaire to Board staff by August 6, 2021. The Town contracted with TAUD and has indicated that it mailed its only copy of the completed questionnaire to Board staff, but Board staff never received it. TAUD has confirmed that the questionnaire was in fact completed.

Staff Recommendation

1. The Town shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - a. a review of the debt management policy, including any recommended modifications;
 - b. a review of the capitalization policy, including any recommended modifications;
 - c. creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs;
 - d. a review of all water and sewer fees, including any recommended modifications; and
 - e. a review of the leak adjustment policy, including any recommended modifications.
2. By October 29, 2021, the Town shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
3. By December 31, 2021, the Town shall send Board staff proof that all members of the utility system's governing body have complied with the training requirements set out in Tenn. Code Ann. 7-34-115(j).
4. By July 1, 2022, the Town shall provide Board staff with the completed rate study and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
5. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the Town.

BEFORE THE TENNESSEE WATER AND WASTEWATER FINANCING BOARD

IN THE MATTER OF:

TOWN OF ENGLEWOOD

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**TENN. CODE ANN. § 68-221-1010
-FINANCIAL DISTRESS**

ORDER

On April 29, 2021, the Tennessee Water and Wastewater Financing Board (“the Board”) reviewed the financially distressed status of the Town of Englewood (“the Town”) pursuant to Tenn. Code Ann. § 68-221-1010. Board staff informed the Board that in January of 2021, Staff had requested the Town complete the financial questionnaire and return it by April 2, 2021. Board staff has not yet received the questionnaire.

Therefore, based on Staff’s statements, recommendations, and all supporting documentation, the Board hereby orders the following:

1. The Town shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, assist in completing the financial questionnaire previously sent by Board staff.
2. By June 4, 2021, the Town shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
3. By August 6, 2021, the Town shall send the completed financial questionnaire and all supporting documentation to Board staff.
4. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the Town.

ENTERED this 10th day of May, 2021.

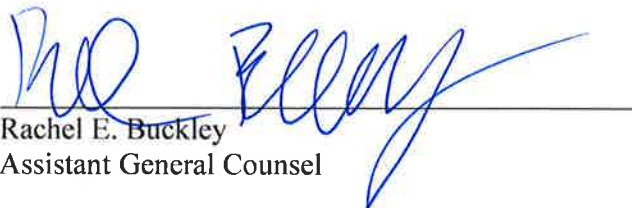


BETSY KNOTTS, Chair
Water and Wastewater Financing Board

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing has been served via U.S. mail to the following on this 10th day of May, 2021:

Mayor Tony Hawn
Mr. Curtis Runkles, Wastewater Manager
Mr. Gregory Gordon, Water Manager
Town of Englewood
111 So. Niota Rd.
P.O. Box 150
Englewood, TN 37329



Rachel E. Buckley
Assistant General Counsel

TENNESSEE ASSOCIATION OF UTILITY DISTRICTS

Phone: (615) 896-9022
Fax: (615) 898-8283
Web: www.taud.org



Post Office Box 2529
Murfreesboro, TN 37133-2529

840 Commercial Court
Murfreesboro, TN 37129

May 21, 2021

Mayor and Board of Commissioners
Town of Englewood, Tennessee

Re: Engagement Letter - Compliance with WWFB Order Dated April 29, 2021

Dear Mayor and Board of Commissioners

On May 10, 2021, the Water and Wastewater Financing Board (WWFB) issued an order directing the Town of Englewood to do the following items.

- 1) The Town shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by the Board staff, assist in completing the financial questionnaire previously sent by Board staff.
- 2) By June 4, 2021, the Town shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
- 3) By August 6, 2021, the Town shall send the completed financial questionnaire and all supporting documentation to Board staff.
- 4) Board staff is given the authority to grant one extension of up to six months of the foregoing deadline upon a showing of good cause by the Town.

The Town has requested that Tennessee Association of Utility Districts (TAUD) work with the Town to assist in completing the financial questionnaire. TAUD will not charge the Town to provide this assistance.

If the terms and conditions of this engagement letter are acceptable to the Town please have the Mayor sign this engagement letter, and return it to us. We look forward to working with the Town on these matters.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bob Freudenthal', written over a horizontal line.

Bob Freudenthal

Page 2

Accepted by:

Town of Englewood, Tennessee

By:


Tony Hawn, Mayor



JASON E. MUMPOWER
Comptroller

Entity Referred: **Town of Lynnville**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

In its May 10, 2021 order, the Board directed the Town to contract with a qualified expert for assistance in filling out the financial questionnaire and to send the completed questionnaire to Board staff by August 6, 2021. The Town contracted with TAUD, but Board staff never received the completed questionnaire. Nevertheless, TAUD has confirmed that the questionnaire was in fact completed. The Town has since informed Board staff that it has had some turnover in employees, which may have been the cause of the lost financial questionnaire.

Staff Recommendation

1. The Town shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - a. a review of the debt management policy, including any recommended modifications;
 - b. a review of the capitalization policy, including any recommended modifications;
 - c. creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs;
 - d. a review of all water and sewer fees, including any recommended modifications; and
 - e. a review of the leak adjustment policy, including any recommended modifications.
2. By October 29, 2021, the Town shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
3. By December 31, 2021, the Town shall send Board staff proof that all members of the utility system's governing body have complied with the training requirements set out in Tenn. Code Ann. 7-34-115(j).
4. By July 1, 2022, the Town shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
5. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the Town.

BEFORE THE TENNESSEE WATER AND WASTEWATER FINANCING BOARD

IN THE MATTER OF:

TOWN OF LYNNVILLE

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**TENN. CODE ANN. § 68-221-1010
-FINANCIAL DISTRESS**

ORDER

On April 29, 2021, the Tennessee Water and Wastewater Financing Board (“the Board”) reviewed the financially distressed status of the Town of Lynnville (“the Town”) pursuant to Tenn. Code Ann. § 68-221-1010. Board staff informed the Board that in January of 2021, Staff had requested the Town complete the financial questionnaire and return it by April 2, 2021. Board staff has not yet received the questionnaire.

Therefore, based on Staff’s statements, recommendations, and all supporting documentation, the Board hereby orders the following:

1. The Town shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, assist in completing the financial questionnaire previously sent by Board staff.
2. By June 4, 2021, the Town shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
3. By August 6, 2021, the Town shall send the completed financial questionnaire and all supporting documentation to Board staff.
4. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the Town.

ENTERED this 10th day of May, 2021.

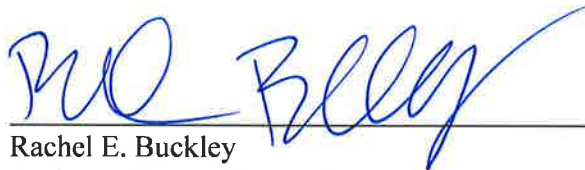


BETSY KNOTTS, Chair
Water and Wastewater Financing Board

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing has been served via U.S. mail to the following on this 10th day of May, 2021:

Mayor Robert E. White
Mrs. Dawn Baron, Town Recorder
Town of Lynnville
151 Mill St.
P.O. Box 158
Lynnville, TN 38472



Rachel E. Buckley
Assistant General Counsel

TENNESSEE ASSOCIATION OF UTILITY DISTRICTS

Phone: (615) 896-9022
Fax: (615) 898-8283
Web: www.taud.org



Post Office Box 2529
Murfreesboro, TN 37133-2529

840 Commercial Court
Murfreesboro, TN 37129

June 22, 2021

Mayor and Board of Commissioners
Town of Lynnville, Tennessee

Re: Engagement Letter - Compliance with WWFB Order Dated April 29, 2021

Dear Mayor and Board of Commissioners

On May 10, 2021, the Water and Wastewater Financing Board (WWFB) issued an order directing the Town of Lynnville to do the following items.

- 1) The Town shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by the Board staff, assist in completing the financial questionnaire previously sent by Board staff.
- 2) By June 4, 2021, the Town shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
- 3) By August 6, 2021, the Town shall send the completed financial questionnaire and all supporting documentation to Board staff.
- 4) Board staff is given the authority to grant one extension of up to six months of the foregoing deadline upon a showing of good cause by the Town.

The Town has requested that Tennessee Association of Utility Districts (TAUD) work with the Town to assist in completing the financial questionnaire. TAUD will not charge the Town to provide this assistance.

If the terms and conditions of this engagement letter are acceptable to the Town please have the Mayor sign this engagement letter, and return it to us. We look forward to working with the Town on these matters.

Sincerely,

Bob Freudenthal by DJL

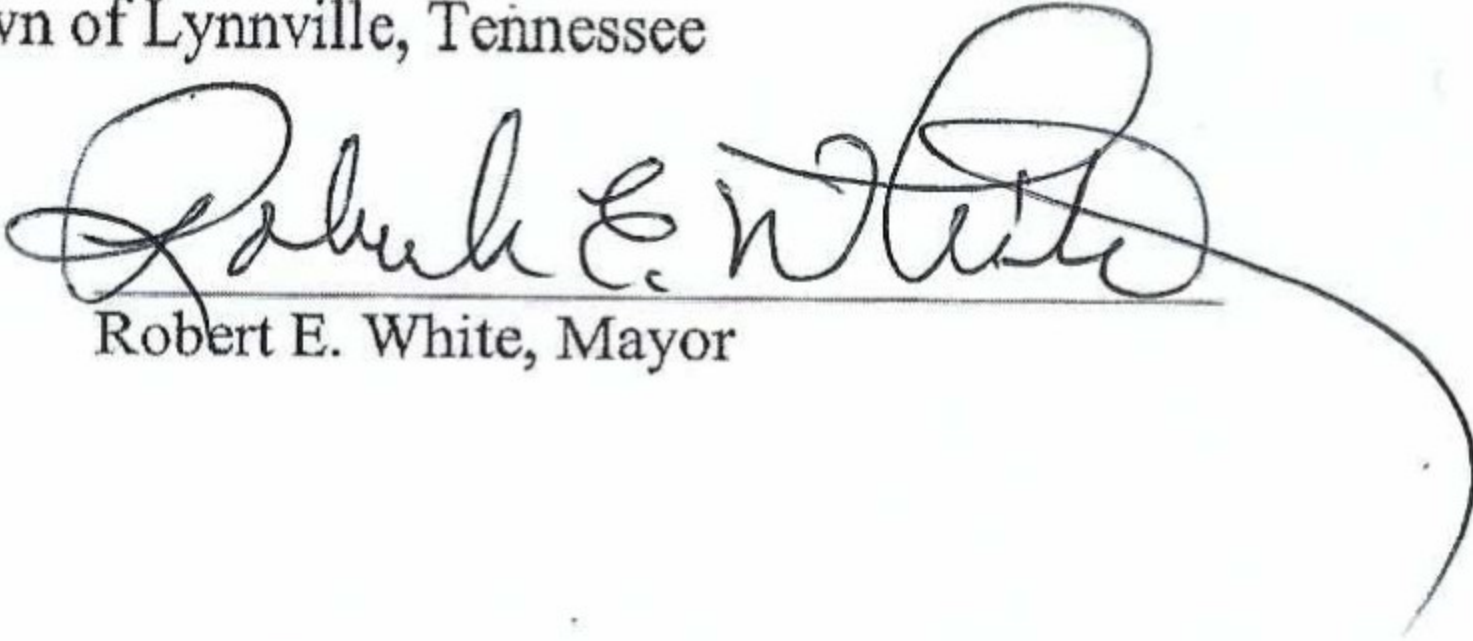
Bob Freudenthal

Page 2

Accepted by:

Town of Lynnville, Tennessee

By:

A handwritten signature in cursive script, reading "Robert E. White". The signature is written in black ink and extends to the right with a long, sweeping tail.

Robert E. White, Mayor



JASON E. MUMPOWER
Comptroller

Entity Referred: **City of Red Boiling Springs**

Referral Reason: **Negative Change in Net Position**

Utility Type Referred: **Water and Sewer**

Staff Summary:

In its May 10, 2021 order, the Board directed the City to contract with a qualified expert for assistance in filling out the financial questionnaire previously sent by Board staff and to send the completed questionnaire to Board staff by August 6, 2021. In June 2021, the City asked Board staff to send another copy of the financial questionnaire. Board staff never received a copy of a contract with a qualified expert and does not believe the City ever entered into such a contract.

Staff Recommendation:

1. The City shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - a. a review of the debt management policy, including any recommended modifications;
 - b. a review of the capitalization policy, including any recommended modifications;
 - c. creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs;
 - d. a review of all water and sewer fees, including any recommended modifications; and
 - e. a review of the leak adjustment policy, including any recommended modifications.
2. By October 29, 2021, the City shall send Board staff a copy of the contract between the City and the qualified expert who is to perform the tasks in paragraph 1.
3. By December 31, 2021, the City shall send Board staff proof that all members of the utility system's governing body have complied with the training requirements set out in Tenn. Code Ann. 7-34-115(j).
4. By July 1, 2022, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
5. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the City.

BEFORE THE TENNESSEE WATER AND WASTEWATER FINANCING BOARD

IN THE MATTER OF:

CITY OF RED BOILING SPRINGS

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**TENN. CODE ANN. § 68-221-1010
-FINANCIAL DISTRESS**

ORDER

On April 29, 2021, the Tennessee Water and Wastewater Financing Board (“the Board”) reviewed the financially distressed status of the City of Red Boiling Springs (“the City”) pursuant to Tenn. Code Ann. § 68-221-1010. Board staff informed the Board that in January of 2021, Staff had requested the City complete the financial questionnaire and return it by April 2, 2021. Board staff has not yet received the questionnaire.

Therefore, based on Staff’s statements, recommendations, and all supporting documentation, the Board hereby orders the following:

1. The City shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, assist in completing the financial questionnaire previously sent by Board staff.
2. By June 4, 2021, the City shall send Board staff a copy of the contract between the City and the qualified expert who is to perform the tasks in paragraph 1.
3. By August 6, 2021, the City shall send the completed financial questionnaire and all supporting documentation to Board staff.
4. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the City.

ENTERED this 10th day of May, 2021.

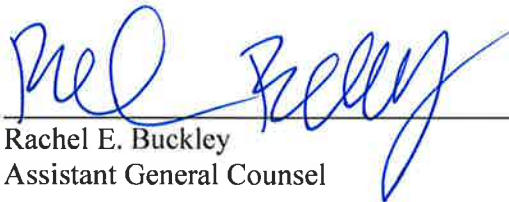


BETSY KNOTTS, Chair
Water and Wastewater Financing Board

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing has been served via U.S. mail to the following on this 10th day of May, 2021:

Mayor Kenneth Hollis
Ms. Jane Wooten, City Recorder
City of Red Boiling Springs
P.O. Box 190
Red Boiling Springs, TN 37150



Rachel E. Buckley
Assistant General Counsel

From: rbsclerk@nctc.com
To: Utilities@cot.tn.gov
Subject: RE: TN WATER AND WASTEWATER FINANCING BOARD
Date: Wednesday, June 16, 2021 10:07:53 AM

City of Red Boiling Springs
361 Lafayette Road
Red Boiling Springs, TN 37150

ed, 16 Jun 2021 14:36:43 +0000, "Utilities@cot.tn.gov"

<Utilities@cot.tn.gov> wrote:

> Good morning,

>

> What city are you reaching out on behalf of?

>

> Thanks,

>

> Ross Colona

> Financial Analyst, Local Government Finance

> Comptroller of the Treasury

> 425 Rep. John Lewis Way North | Nashville, TN 37243

> Ross.Colona@cot.tn.gov | Utilities Line 615.747.5260 | Direct Line

> 615.401.7943

>

>

>

> Mission: To Make Government Work Better

>

> -----Original Message-----

> From: rbsclerk@nctc.com <rbsclerk@nctc.com>

> Sent: Wednesday, June 9, 2021 4:13 PM

> To: Utilities@cot.tn.gov

> Subject: TN WATER AND WASTEWATER FINANCING BOARD

>

> I need help in getting a Financial Questionnaire Report sent to me. It

> seems that we are suppose to complete this report.

>

> Could someone get me another report so that we can get that completed

and

> turned in?

>

> Thanks,

>

> Jane Wooten

> City Recorder Clerk



JASON E. MUMPOWER
Comptroller

Entity Referred: **City of Saint Joseph**

Referral Reason: **Negative Change in Net Position**

Utility Type Referred: **Water**

Staff Summary:

The City indicated in its financial questionnaire, which is included in the supplemental packet, that it has not implemented a rate increase in the last five years. The City charges roughly 70% more to customers outside the city limits for their minimum bill of 2,500 gallons. The City also charges roughly 10% more to outside customers on the variable rates following the minimum bill.

The City also indicated in its financial questionnaire it plans to work with TAUD to correct its financial distress.

Staff Recommendation

1. The City shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - a. a review of the debt management policy, including any recommended modifications;
 - b. a review of the capitalization policy, including any recommended modifications;
 - c. creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs;
 - d. a justification for the differing rate classes, or if no justification is possible, recommendations for an appropriate rate structure;
 - e. a review of all water and sewer fees, including any recommended modifications; and
 - f. a review of the leak adjustment policy, including any recommended modifications.
2. By October 29, 2021, the City shall send Board staff a copy of the contract between the City and the qualified expert who is to perform the tasks in paragraph 1.
3. By July 1, 2022, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
4. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the City.

Section B: Water Utility Information

1. Does your utility offer water? *Yes*
 - a. If yes, please complete the following section. If no, please proceed to Section C: Wastewater Utility Information.
2. Have you had any rate changes in the previous five years? *Yes*
Yes or No (Circle your answer)
 - a. Please provide a copy of your current rate ordinance/structure and the justification for why the rates are set this way- including any recent rate studies performed for the utility.
 - b. Please provide a copy of previous rate ordinances/structures from the previous five years if you answered yes to Question #2.
 - c. If you have differing rate classes (inside/outside city limits, residential/commercial/industrial, new developments, etc.), please provide justification as to why these rates are set the way they are.
3. Do you have any current plans for a rate change?
Yes or No (Circle your answer)
 - a. If yes, please provide a written answer to the following questions:
 - i. Are you planning for a rate increase or decrease?
 - ii. Are you planning this change across all customer classes or only on a certain customer class?
 - iii. Has your Board voted on this rate change yet?
 - iv. If your Board has discussed a rate change at recent meetings, please attach a copy of the relevant minutes at which this meeting took place.
4. Have you had any utility fee changes in the previous five years?
Yes or No (Circle your answer)
 - a. Please provide a copy of your current utility fee schedule.
 - b. Please provide a copy of previous utility fee schedules if you answered yes to Question #3.
 - c. Please provide a written rationale for the charges for tap fees, reconnect fees, etc.
5. Has your debt management policy been reviewed in the last 5 years?
Yes or No (Circle your answer)
 - a. Please provide a copy of your debt management policy. If you do not have a debt management policy, please provide a written rationale for why a debt management policy has not been adopted.
6. Has your capitalization policy been reviewed in the last 5 years?
Yes or No (Circle your answer)
 - a. Please provide a copy of your capitalization policy. If you do not have a capitalization policy, please provide a written rationale for why a capitalization policy has not been adopted.

Working with T&U Staff

Working with T&U Staff

Working with T&U Staff

7 Please provide the most recent 3 months of balance sheets and income statements for your water fund.

a. If you are a water and wastewater utility and are having difficulty breaking out the accounts, please use percentages or estimate for accounts for the most accurate depiction of the financial status of the utility.

8. Do you have a plan to remedy your financially distressed position for your water fund?

Yes or No (Circle your answer)

a. If yes, please provide a detailed copy.

b. If no, please provide a justification for why not.

Working with
TAWD Staff

9. Who has the authority to set rates and fees?

Answer: Commissioners

a. Is this a board or committee separate from your local legislative body? (City Council, Board of Mayor and Alderman, etc.)

Yes or No (Circle your answer)

b. Please provide a list containing the following information for the aforementioned individuals:

i. Name

ii. Title

iii. Mailing Address

iv. Phone Number

v. Date of Initial Election or Appointment

vi. Have they fulfilled their initial 12 hour training requirement within the first year of service, if applicable? Yes or No

vii. If so, please provide proof that the training requirement has been satisfied.

10. How many total customers do you currently have?

Answer: 544

a. Please provide a numerical break-down of the totals for each type of customer:

i. Billed - 544

ii. Unbilled

iii. Metered

iv. Unmetered

v. Breakdown by Rate Class (inside, outside, inside residential, inside commercial, outside residential, outside commercial, etc.)

- See Attachment

11. What percentage of your sales do your largest 10 customers account for annually?

(Largest 10 Customer Sales Total / Total Annual Water Sales)

Answer: 76,881 / 233,211

12. What percentage of your volume do your largest 10 customers account for annually?

(Gallons of Water sold to Largest 10 Customers / Total Gallons of Water Sold)

Answer: 21 MG / 30 MG

13. Do you have a leak adjustment policy?

No

Yes or No (Circle your answer)

- a. If yes, how many leak adjustments were performed based on your leak adjustment policy in the last 12 months? What is the cost associated with these leaks?

Answer: _____

- b. If yes, please attach a copy of your leak adjustment policy.
c. If no, please move on to the next question.

14. Have you incurred any new debt during the current fiscal year for your water utility, or do you plan on incurring any debt during the current fiscal year for your water utility?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation regarding the debt.
b. If no, please move on to the next question.

15. Have you received any grants or capital contributions during the current fiscal year for your water utility, or do you plan on receiving any grants or capital contributions during the current fiscal year for your water utility?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation regarding these grants or capital contributions.
b. If no, please move on to the following question.

16. Have you applied for any grants that will be received over the next two years?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation regarding these potential grants.
b. If no, please move on to the following question.

17. Are your customers made aware of the rates and fees you have in place annually?

Yes or No (Circle your answer)

- a. If yes, how is this accomplished? *Will be adding to website*
b. If no, please provide a written justification as to why not.

18. Do you review your capital asset list?

Yes or No (Circle your answer)

- a. If yes, how often is this list reviewed and by whom? *Annually. CPA.*
b. If no, please provide a written justification as to why not.
c. Please provide a copy of your capital asset plan, or a justification as to why you do not have one.

19. Do you keep a copy of your capital asset list on file?

Yes or No (Circle your answer)

20. Do you produce your own water supply?

Yes or No (Circle your answer)

- a. If yes, what is the cost per thousand gallons to produce?

Answer: _____

- Working with TAD on costs*
b. If no, please move on to the next question.

21. Do you purchase your water supply?

No

- a. If yes, please provide the following:
 - i. List of entities water is purchased from
 - ii. Rates at which water is purchased at
 - iii. Water purchase contract with these entities, if no contract exists please give an explanation as to why there is no contract.
- b. If no, please move on to the following question.

22. Do you have any wholesale customers?

Yes or No (Circle your answer)

- a. If yes, please provide the contract(s) with these customer(s) or a detailed explanation as to why a contract does not exist and the rate at which water is sold to this customer.
- b. If no, please move on to the following question.

23. Do you have a plan to improve your non-revenue water percentage?

Yes or No (Circle your answer)

*subsidizing
low meters
Volume - 21 MG
Cost - 25,944*

- a. If yes, please provide a detailed explanation as to how this will be improved along with your current non-revenue water percentages by cost and by volume.
- b. If no, please provide a detailed justification as to why the current non-revenue water percentage does not need to be improved along with your current non-revenue water percentages by cost and by volume.

24. Are there any environmental concerns currently or forthcoming that will put a financial burden on the system?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation as to what the concern or issue is and the extent of the financial burden that will be incurred.
- b. If no, please move on to the next question.

25. In regard to your governing body, how frequently do you meet and what is your practice of providing notice of your meetings?

Answer: Monthly. Public meetings + website

Water Attachment List

The previous questions asked for several written explanations and attachments. Below you will find a list of the necessary attachments for questions depending on the answers provided. Please attach the following documents in the order listed with the Water Attachment Number at the top of the corresponding document. You may find that due to some of your answers you may not need to provide an attachment as listed; that is acceptable. **Please do not send in any stapled documents.**

Water Attachment Number, Question Number Asking for Document	Requested Document
Attachment Number: 1 Question Number: Section B, Question #2	Current Rate Ordinance/Structure and Justification
Attachment Number: 2 Question Number: Section B, Question #2	Previous Rate Structure/Ordinance
Attachment Number: 3 Question Number: Section B, Question #3	Rate Change Information
Attachment Number: 4 Question Number: Section B, Question #4	Current Utility Fee Schedule
Attachment Number: 5 Question Number: Section B, Question #4	Previous Utility Fee Schedules
Attachment Number: 6 Question Number: Section B, Question #4	Written Rationale for Utility Fee Justification
Attachment Number: 7 Question Number: Section B, Question #5	Debt Management Policy; or Justification for lack thereof
Attachment Number: 8 Question Number: Section B, Question #6	Capitalization Policy; or Justification for lack thereof
Attachment Number: 9 Question Number: Section B, Question #7	Financial Statements
Attachment Number: 10 Question Number: Section B, Question #8	Financial Distress Remedy Plan; or Justification for lack thereof
Attachment Number: 11 Question Number: Section B, Question #9	Board Training Information
Attachment Number: 12 Question Number: Section B, Question #10	Customer Count Breakdown

Attachment Number: 13 Question Number: Section B, Question #13	Leak Adjustment Policy
Attachment Number: 14 Question Number: Section B, Question #14	Debt Response
Attachment Number: 15 Question Number: Section B, Question #15	Grants/Contributions Response
Attachment Number: 16 Question Number: Section B, Question #16	Future Grants Response
Attachment Number: 17 Question Number: Section B, Question #17	Customer Rate Awareness Response
Attachment Number: 18 Question Number: Section B, Question #19	Capital Asset List Review Response
Attachment Number: 19 Question Number: Section B, Question #21	Water Purchase Information
Attachment Number: 20 Question Number: Section B, Question #22	Wholesale Customer Information
Attachment Number: 22 Question Number: Section B, Question #23	Non-Revenue Water Response
Attachment Number: 23 Question Number: Section B, Question #24	Environmental Concerns Response

Section A: Contact Information

Please provide contact information for the utility by responding to the fields below.

Utility Address Information	
Utility Contact Address Line 1:	409 N. Main St
Utility Contact Address Line 2:	P.O. Box 37
Utility Contact Address City:	St. Joseph
Utility Contact Address State:	Tn
Utility Contact Address Zip Code:	38481
Contact Person 1 Information	
Contact Person 1 Title:	Water Superintendent
Contact Person 1 Name:	Matthew Taylor
Contact Person 1 Email Address:	Sjcityhall@lorettotel.net
Contact Person 1 Phone Number:	931-845-4141
Contact Person 2 Information	
Contact Person 2 Title:	City Manager
Contact Person 2 Name:	Joan Nelson
Contact Person 2 Email Address:	Sjcityhall@lorettotel.net
Contact Person 2 Phone Number:	931-845-4141

#9

Bubba Carter - Mayor

3965 Hwy 43 S.

St. Joseph, TN 38481

931-629-0474

November 6, 2018 - Elected

David Green - Vice-Mayor

110 Rock Crusher Rd

St. Joseph, TN 38481

256-762-7378

November 6, 2018, Elected

Beverly White

P.O. Box 186

St. Joseph, TN 38481

931-703-9448

November, 3, 2020 - Elected

City of St. Joseph - Water Fund
Custom Summary Report
April 2021

	<u>Apr 21</u>
Ordinary Income/Expense	
Income	
Civic Center Rental	115.00
Real Estate Taxes	-1,158.00
Fines	3,232.25
Gas Charges	-8,146.07
Water Meter Deposit	150.00
Water Charges	18,012.50
Maintenance Fee	3,598.88
Miscellaneous Income	2,269.90
Interest Income	3.13
	<hr/>
Total Income	18,077.59
	<hr/>
Gross Profit	18,077.59
Expense	
Tank Maintenance	1,621.83
Meter Deposit	-225.00
Expenses (Payroll)	5,010.00
Health Insurance	1,573.41
Water Meter Refund	48.30
Payroll Taxes	391.49
Chemicals	427.50
Material & Supplies	1,281.29
Office	169.38
State Utility Tax	1,407.00
Utilities	1,919.52
Water Testing	547.00
	<hr/>
Total Expense	14,171.72
	<hr/>
Net Ordinary Income	3,905.87
	<hr/>
Net Income	<u>3,905.87</u>

City of St. Joseph - Water Fund
Custom Summary Report
 May 2021

	May 21
Ordinary Income/Expense	
Income	
Civic Center Rental	-125.00
Real Estate Taxes	-116.00
Fines	-921.25
Gas Charges	-2,845.89
Water Meter Deposit	150.00
Water Charges	15,763.99
Maintenance Fee	3,208.09
Interest Income	3.30
Total Income	15,117.24
Gross Profit	15,117.24
Expense	
Tank Maintenance	1,621.83
Expenses (Payroll)	3,434.00
Health Insurance	1,573.00
Water Meter Refund	57.12
Payroll Taxes	530.83
Chemicals	954.00
Miscellaneous Expense	525.00
Office	196.20
Repairs & Maintenance	250.00
State Utility Tax	1,167.00
Utilities	1,890.12
Water Testing	600.00
Total Expense	12,799.10
Net Ordinary Income	2,318.14
Net Income	2,318.14

	<u>Jun 21</u>
Ordinary Income/Expense	
Income	
Real Estate Taxes	16.00
Fines	-1,746.00
Gas Charges	-943.52
Water Meter Deposit	300.00
Water Charges	21,325.14
Water Tap Connection Fee	1,200.00
Maintenance Fee	3,974.89
Miscellaneous Income	40.00
Interest Income	3.17
	<hr/>
Total Income	24,169.68
	<hr/>
Gross Profit	24,169.68
Expense	
Tank Maintenance	1,621.83
Meter Deposit	-150.00
Expenses (Payroll)	10,020.00
Health Insurance	3,144.00
Water Meter Refund	75.00
Payroll Taxes	772.53
Chemicals	342.00
Dues & Subscriptions	349.99
Insurance & Bonds	8,384.33
Material & Supplies	3,789.91
Office	194.40
State Utility Tax	954.00
Utilities	1,957.95
Water Testing	700.00
	<hr/>
Total Expense	32,155.94
	<hr/>
Net Ordinary Income	-7,986.26
	<hr/>
Net Income	<u>-7,986.26</u>

City of St. Joseph - Water Fund

Balance Sheet

As of June 30, 2021

07/22/21

Accrual Basis

	<u>Jun 30, 21</u>
ASSETS	
Current Assets	
Checking/Savings	
Capital Investment-FF	128,381.54
FF- ACH ACCT	14,042.86
Checking- FF Maintenance Fee	233,827.43
Checking- FF Water Revenue Fund	13,695.06
CD - First Farmer	16,169.23
CD - Water Works	13,226.47
	<hr/>
Total Checking/Savings	419,342.59
Other Current Assets	
Allowance for doubtful accounts	-7,404.28
	<hr/>
Total Other Current Assets	-7,404.28
	<hr/>
Total Current Assets	411,938.31
Fixed Assets	
Buildings	360,931.00
Land	4,926.00
Machinery & Equipment	129,666.98
Water Lines & Plant	1,495,087.25
Acc Depreciation	-1,052,617.89
	<hr/>
Total Fixed Assets	937,993.34
	<hr/>
TOTAL ASSETS	1,349,931.65
<hr/>	
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
Accounts Payable	5,897.97
	<hr/>
Total Accounts Payable	5,897.97
	<hr/>
Total Current Liabilities	5,897.97
	<hr/>
Total Liabilities	5,897.97
Equity	
Contribution from Fed Rev Share	57,617.89
Contributions by Consumer	7,500.00
Contributions from Anti-Recessi	5,994.00
Contributions from General Fund	131,995.44
Contributions from Grants	309,663.34
Fund Balance	768,522.54
Net Income	62,740.47
	<hr/>
Total Equity	1,344,033.68
	<hr/>
TOTAL LIABILITIES & EQUITY	1,349,931.65
	<hr/>

City of St. Joseph - Water Fund
Balance Sheet
 As of May 31, 2021

	May 31, 21
ASSETS	
Current Assets	
Checking/Savings	
Capital Investment-FF	128,380.49
FF- ACH ACCT	13,060.56
Checking- FF Maintenance Fee	231,576.00
Checking- FF Water Revenue Fund	36,158.10
CD - First Farmer	16,169.23
CD - Water Works	13,226.47
Total Checking/Savings	438,570.85
Other Current Assets	
Allowance for doubtful accounts	-7,404.28
Total Other Current Assets	-7,404.28
Total Current Assets	431,166.57
Fixed Assets	
Buildings	360,931.00
Land	4,926.00
Machinery & Equipment	119,036.98
Water Lines & Plant	1,495,087.25
Acc Depreciation	-1,052,617.89
Total Fixed Assets	927,363.34
TOTAL ASSETS	1,358,529.91
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
Accounts Payable	6,509.97
Total Accounts Payable	6,509.97
Total Current Liabilities	6,509.97
Total Liabilities	6,509.97
Equity	
Contribution from Fed Rev Share	57,617.89
Contributions by Consumer	7,500.00
Contributions from Anti-Recessi	5,994.00
Contributions from General Fund	131,995.44
Contributions from Grants	309,663.34
Fund Balance	768,522.54
Net Income	70,726.73
Total Equity	1,352,019.94
TOTAL LIABILITIES & EQUITY	1,358,529.91

City of St. Joseph - Water Fund

Balance Sheet

As of April 30, 2021

07/22/21

Accrual Basis

	Apr 30, 21
ASSETS	
Current Assets	
Checking/Savings	
Capital Investment-FF	128,379.40
FF- ACH ACCT	16,604.02
Checking- FF Maintenance Fee	230,119.80
Checking- FF Water Revenue Fund	30,918.44
CD - First Farmer	16,169.23
CD - Water Works	13,226.47
Total Checking/Savings	435,417.36
Other Current Assets	
Allowance for doubtful accounts	-7,404.28
Total Other Current Assets	-7,404.28
Total Current Assets	428,013.08
Fixed Assets	
Buildings	360,931.00
Land	4,926.00
Machinery & Equipment	119,036.98
Water Lines & Plant	1,495,087.25
Acc Depreciation	-1,052,617.89
Total Fixed Assets	927,363.34
TOTAL ASSETS	1,355,376.42
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
Accounts Payable	5,674.62
Total Accounts Payable	5,674.62
Total Current Liabilities	5,674.62
Total Liabilities	5,674.62
Equity	
Contribution from Fed Rev Share	57,617.89
Contributions by Consumer	7,500.00
Contributions from Anti-Recessi	5,994.00
Contributions from General Fund	131,995.44
Contributions from Grants	309,663.34
Fund Balance	768,522.54
Net Income	68,408.59
Total Equity	1,349,701.80
TOTAL LIABILITIES & EQUITY	1,355,376.42

Irish City - 2.59/1000

The City of St. Joseph Water & Gas Rates

Inside City Limits:

Water Tap: \$400.00
Meter Deposit: \$75.00

Minimum
\$11.00 (plus tax) for the first 2,500 gallons. The next 5,000 gallons \$1.76 per thousand.
The next 5,000 gallons \$1.49 per thousand and all over 12,500 gallons \$1.21 per thousand gallons.

Outside City Limits:

Water Tap: \$500.00
Meter Deposit: \$75.00

\$18.58 (plus tax) for 2,500 gallons. The next 5,000 gallons \$1.92 per thousand.
The next 5,000 gallons \$1.62 per thousand and all over 12,500 gallons \$1.32 per thousand gallons.

Gas Rates:

Natural Gas Tap Fee: \$400.00
Natural Gas Meter Deposit: \$150.00

1.10 PER HUNDRED CUBIC FOOT

UPDATED

*Maintenance fee for water tanks
7.00 a month per customer*

Top Ten Customers by Bill Amt

Name	Account Number	Gross Bill Amount
Service: <i>Water</i> 1 SOUTHERN IN. CASKET	0002-000800-02	3,477.54
2 SUNSET TRAILER PARK	0002-004600-04	2,644.09
3 ANTHONY JOHNSON	0003-002365-01	2,505.85
4 SURFACE ELEMENTS	0002-006450-01	1,969.33
5 DOYCE ELKINS	0002-007050-01	1,685.53
6 WEATHERS POULTRY	0003-011900-01	1,329.52
7 DINGLER POULTRY	0003-009350-01	1,214.55
8 JOHNNY JOHNSON	0003-002360-01	1,085.59
9 STATELINE MARKET	0003-001250-03	969.24
10 MARK SPURTS	0003-010900-01	850.91

Total:

* End of Report: City of St. Joseph *

17,732.15

76,881.24

Add Consumers

Consumption By Customer

Account Number	Serv	Service Description	Billable Consumption	Deposit Applied	Discount Amount	Assistance Amount	Penalty Paid	Surcharge Amount	Tax Amount	Total Amount
0003-010800-01	0007	WATER HTGH	1602000	0.00	0.00	0.00	0.00	0.00	0.00	4,149.18
			1361000	0.00	0.00	0.00	0.00	0.00	0.00	3,524.99
			1933000	0.00	0.00	0.00	0.00	0.00	0.00	5,006.47
			1910000	0.00	0.00	0.00	0.00	0.00	0.00	4,946.90
			1512000	0.00	0.00	0.00	0.00	0.00	0.00	3,916.08
			1564000	0.00	0.00	0.00	0.00	0.00	0.00	4,050.76
			1466000	0.00	0.00	0.00	0.00	0.00	0.00	3,796.94
			2157000	0.00	0.00	0.00	0.00	0.00	0.00	5,586.63
			2066000	0.00	0.00	0.00	0.00	0.00	0.00	5,350.94
			1948000	0.00	0.00	0.00	0.00	0.00	0.00	5,045.32
			1669000	0.00	0.00	0.00	0.00	0.00	0.00	4,322.71
			1798000	0.00	0.00	0.00	0.00	0.00	0.00	4,656.82

Grand Totals: 20986000 0.00 0.00 0.00 0.00 0.00 0.00 54,353.74

Beginning Billing Date: 07/01/2020
 Book: 0003
 Customer: 010800

Ending Billing Date: 06/30/2021
 Book: 0003
 Customer: 010800

* End of Report: City of St. Joseph *

Consumption Detail Report

Book: 0002 BOOK 2
0002-000800-02 SOUTHERN TN. CASKET WAT 502 WILSON AVENUE

Read Date	Consumption
07/14/2020	22
08/13/2020	34
09/15/2020	127
10/14/2020	68
11/16/2020	125
12/09/2020	103
01/13/2021	59
02/09/2021	101
03/16/2021	103
04/13/2021	17,403
05/13/2021	6,942
06/14/2021	49

25,136

Total For Book: 0002 ----- 25,136

Grand Total: ===== 25,136

Beginning Account: 0002-000800-02
Ending Account: 0002-000800-02
Beginning Date: 07/01/2020
Ending Date: 06/30/2021
Service Number: 0001
Apply Meter Multiplier(Y/N): N

* End of Report: City of St. Joseph *

Consumption Detail Report

Book: 0002 BOOK 2
 0002-004600-04 SUNSET TRAILER PARK WAT 3600 HWY 43 SOUTH

Read Date	Consumption
07/14/2020	2,295
08/13/2020	985
09/15/2020	937
10/14/2020	898
11/16/2020	800
12/09/2020	892
01/13/2021	897
02/09/2021	721
03/16/2021	4,891
04/13/2021	982
05/13/2021	2,030
06/14/2021	1,624

	17,952

Total For Book: 0002 -----
 Grand Total: 17,952

Beginning Account: 0002-004600-04
 Ending Account: 0002-004600-04
 Beginning Date: 07/01/2020
 Ending Date: 06/30/2021
 Service Number: 0001
 Apply Meter Multiplier(Y/N): N

* End of Report: City of St. Joseph *

Consumption Detail Report

BOOK: 0003 BOOK 3
0003-002365-01 JOHNSON, ANTHONY WAT 225 DANLEY RD

Read Date	Consumption
07/20/2020	87
08/18/2020	87
09/22/2020	90
10/20/2020	323
11/18/2020	20
12/14/2020	33
01/19/2021	53
02/22/2021	72
03/22/2021	14,179
04/20/2021	647
05/20/2021	18
06/22/2021	63

15,672

Total For Book: 0003 ----- 15,672

Grand Total: ===== 15,672

Beginning Account: 0003-002365-01
Ending Account: 0003-002365-01
Beginning Date: 07/01/2020
Ending Date: 06/30/2021
Service Number: 0001
Apply Meter Multiplier(Y/N): N

* End of Report: City of St. Joseph *

Consumption Detail Report

BOOK: 0002 BOOK 2
 0002-006450-01 SURFACE ELEMENTS WAT 302 JACKSON DRIVE

Read Date	Consumption
07/14/2020	1,198
08/13/2020	1,215
09/15/2020	1,202
10/14/2020	1,140
11/16/2020	1,475
12/09/2020	916
01/13/2021	895
02/09/2021	1,011
03/16/2021	1,406
04/13/2021	1,036
05/13/2021	1,880
06/14/2021	1,562

	14,936

Total For Book: 0002 ----- 14,936
 Grand Total: ===== 14,936

Beginning Account: 0002-006450-01
 Ending Account: 0002-006450-01
 Beginning Date: 07/01/2020
 Ending Date: 06/30/2021
 Service Number: 0001
 Apply Meter Multiplier(Y/N): N

* End of Report: City of St. Joseph *

Consumption Detail Report

Book: 0002 BOOK 2
 0002-007050-01 ELKINS, DOYCE WAT 94 FAIRVIEW ROAD

Read Date	Consumption
07/14/2020	0
08/13/2020	0
09/15/2020	25
10/14/2020	1,301
11/16/2020	1,526
12/09/2020	922
01/13/2021	91
02/09/2021	109
03/16/2021	50
04/13/2021	7,471
05/13/2021	98
06/14/2021	281

 11,874

Total For Book: 0002 ----- 11,874
 Grand Total: ===== 11,874

Beginning Account: 0002-007050-01
 Ending Account: 0002-007050-01
 Beginning Date: 07/01/2020
 Ending Date: 06/30/2021
 Service Number: 0001
 Apply Meter Multiplier(Y/N): N

* End of Report: City of St. Joseph *

Consumption Detail Report

Book: 0003 BOOK 3 WEATHERS POULTRY WAT BLUFF ROAD
 0003-011900-01

Read Date	Consumption
07/20/2020	1,126
08/18/2020	1,198
09/22/2020	946
10/20/2020	366
11/18/2020	397
12/14/2020	386
01/19/2021	340
02/22/2021	243
03/22/2021	280
04/20/2021	1,485
05/20/2021	525
06/22/2021	887

	8,179

Total For Book: 0003 ----- 8,179
 Grand Total: ===== 8,179

Beginning Account: 0003-011900-01
 Ending Account: 0003-011900-01
 Beginning Date: 07/01/2020
 Ending Date: 06/30/2021
 Service Number: 0001
 Apply Meter Multiplier(Y/N): N
 * End of Report: City of St. Joseph *

Consumption Detail Report

Book: 0003 BOOK 3
0003-009350-01 D & H POULTRY

WAT 254 S. OLD MILITARY ROA

Read Date	Consumption
07/20/2020	1,002
08/18/2020	1,131
09/22/2020	1,012
10/20/2020	573
11/18/2020	512
12/14/2020	484
01/19/2021	960
02/22/2021	506
03/22/2021	27
04/20/2021	104
05/20/2021	420
06/22/2021	887

7,618

Total For Book: 0003 ----- 7,618
Grand Total: ===== 7,618

Beginning Account: 0003-009350-01
Ending Account: 0003-009350-01
Beginning Date: 07/01/2020
Ending Date: 06/30/2021
Service Number: 0001
Apply Meter Multiplier(Y/N): N

* End of Report: City of St. Joseph *

Consumption Detail Report

Book: 0003 BOOK 3
 0003-002360-01 JOHNSON, JOHNNY WAT 145 DANLEY RD

Read Date	Consumption
07/20/2020	85
08/18/2020	89
09/22/2020	99
10/20/2020	79
11/18/2020	67
12/14/2020	56
01/19/2021	31
02/22/2021	75
03/22/2021	4,960
04/20/2021	84
05/20/2021	90
06/22/2021	91

 5,806

Total For Book: 0003 ----- 5,806
 Grand Total: ===== 5,806

Beginning Account: 0003-002360-01
 Ending Account: 0003-002360-01
 Beginning Date: 07/01/2020
 Ending Date: 06/30/2021
 Service Number: 0001
 Apply Meter Multiplier(Y/N): N

* End of Report: City of St. Joseph *

Consumption Detail Report

Book: 0003 BOOK 3
0003-001250-03 STATELINE MARKET WAT 4062 HWY 43 SOUTH

Read Date	Consumption
07/20/2020	271
08/18/2020	302
09/22/2020	455
10/20/2020	433
11/18/2020	381
12/14/2020	304
01/19/2021	45
02/22/2021	70
03/22/2021	1,833
04/20/2021	874
05/20/2021	763
06/22/2021	1,283

	7,014

Total For Book: 0003 ----- 7,014
Grand Total: ===== 7,014

Beginning Account: 0003-001250-03
Ending Account: 0003-001250-03
Beginning Date: 07/01/2020
Ending Date: 06/30/2021
Service Number: 0001
Apply Meter Multiplier(Y/N): N
* End of Report: City of St. Joseph *

WATER PURCHASE AGREEMENT

for and between

IRON CITY UTILITY DISTRICT

and

ST. JOSEPH, TENNESSEE

WATER PURCHASE AGREEMENT

This agreement made and entered this the 25 day of Nov,, 1996 by and between the Iron City Utility District, hereinafter referred to as "Iron City UD" and the City of St. Joseph, hereinafter referred to as "St. Joseph."

WHEREAS, Iron City UD and St. Joseph both have water distribution systems; and,

WHEREAS, the water systems of Iron City UD and St. Joseph are in close proximity; and,

WHEREAS, Iron City UD and St. Joseph recognize that the situation exists that it is necessary that Iron City UD needs to purchase water from St. Joseph, whereby they desire to join their water systems by virtue of a system of valves and meters in order that the entities might mutually benefit from such an arrangement.

NOW THEREFORE, it is mutually agreed between the parties as follows:

Iron City UD will install a metering device and valves joining Iron City UD and St. Joseph.

During normal operation of both systems, the valves will remain open and St. Joseph's system will supply water to Iron City UD. In the event that it is deemed necessary by the Water Commissioner or Superintendent of the Water Department of the respective systems that water service be suspended to Iron City UD, the said Commissioner or Superintendent shall

inform the Chairman or Superintendent of Iron City UD of this eventuality.

In the event of an emergency, parties hereto agree to suspend the usual procedure for suspension of service, but will seek the authority for said actions at the next appropriate business meeting of the governing body of said entities. All water sold pursuant to this agreement shall be metered and the price for said water shall be \$0.95 per 1000 (one thousand) gallons renegotiated upon by the parties hereto from time to time as parties deem necessary.

Both parties agree that after initial installation of the pipes, valves, and meters that Iron City UD will bear the cost of maintenance and upkeep of said equipment.

Personnel of the City of St. Joseph shall read the master meter monthly on _____ (a mutually agreed upon date), and the City of St. Joseph shall submit a bill to Iron City UD based upon the quantity of water metered, for the measuring period (Example: 25th of the month).

The Iron City UD will remit payment to the City of St. Joseph within a mutually agreed upon time period, (Example: 30 days, Net) after which time interest and/or penalties may be added to the bill at the discretion of the City of St. Joseph. Any disputing of a bill or meter reading shall be done within ten (10) working days of receipt of the billing, unless otherwise agreed upon.

IN WITNESS WHEREOF, the parties hereto have executed this document in duplicate originals and by their signatures hereto the authorities for each party acknowledge that they have the authority to execute this document and enter into this agreement.

Iron City Utility District

Lini L Lamprecht
Chairman

Randy McWhorter
Board Member

City of St. Joseph

Raymond Chandler
Mayor

Wilbur C. Pettus
Commissioner

William L. Bradley
Commissioner

STATE OF TENNESSEE

COUNTY OF LAWRENCE

Before me, Pat L. Rhodes, a Notary Public in and for the above named State and County, personally appeared Tim Lamprecht and Randy Wallace with whom I am personally acquainted, and who, upon oath, acknowledged themselves to be the Chairman and Board Member respectively, of the Iron City Utility District the within named bargainor, a Tennessee Utility District and they as such as Chairman and Board Member being authorized so to do, executed the foregoing instrument for the pupose therein contained, by signing the name of the Iron City Utility District as Chairman and Board Member.

Witness my hand and official seal at Iron City, Tennessee, this the 25 day of November, 1996.

Pat L. Rhodes
Notary Public

My Commission Expires: 5/24/97

STATE OF TENNESSEE
COUNTY OF LAWRENCE

Before me, Robert B. Russ, a Notary Public in and for the above named State and County, personally appeared Raymon Chandler, Wiley C. Pettus, and Bill Bradley with whom I am personally acquainted, and who, upon oath, acknowledged themselves to be the Mayor and Commissioners respectively, of the City of St. Joseph, Tennessee the within named bargainor, a Tennessee municipal corporation and they as such as Mayor and Commissioners, being authorized so to do, executed the foregoing instrument for the pupose therein contained, by signing the name of the City by themselves as Mayor and Commissioners.

Witness my hand and official seal at St. Joseph, Tennessee, this the 5th day of Dec., 1996.

Robert B. Russ
Notary Public

My Commission Expires: 3-13-2000

City of St. Joseph

P.O. Box 37

St. Joseph, Tennessee 38481

931-845-4141

Fax 931-845-4131

February 22, 2007

Iron City Utility System
% Delphine Looney
101 West 1st Street
Iron City, TN 38463

Iron City Utility Board:

Due to the increased price of chemicals, supplies, and operation of the Water System, we find it necessary to raise the price of the water we sell you from \$1.60 per thousand to \$2.35 per thousand. This cost will be effective on your next bill.

Sincerely,



Michael Kelley
Mayor

ORDINANCE NO. 97

An Ordinance increasing rates charged for water sold by the City of St. Joseph Water System.

BE IT ORDAINED BY the City of St. Joseph, Tennessee as follows:

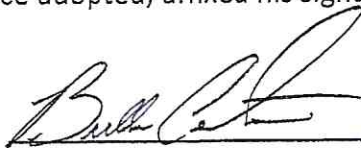
1. That commencing with the first billing cycle in August 2015, the rates charged for water sold by the City of St. Joseph shall be as follows.

Monthly billing based on metered water quantities

<u>Gallons</u>	<u>Within City Limits</u>	<u>Outside City Limits</u>
1st 2,500 (minimum bill)	\$11.00(plus tax)	\$18.58(plus tax)
The next 5,000 gallons	\$1.76 per thousand	\$1.92 per thousand
The next 5,000 gallons	\$1.49 per thousand	\$1.62 per thousand
All over 12,500 gallons	\$1.21 per thousand	\$1.32 per thousand


2. That the rate for water sold to utility districts not otherwise set by contract shall be \$2.59 per 1,000 gallons commencing with the first billing cycle in August 2015.
3. That all ordinances which previously fixed rates for water sold are repealed.

WHEREUPON, Mayor Carter declared the Ordinance adopted, affixed his signature and the date thereto, and directed that the same be recorded.



 Bubba Carter, Mayor

Date: 7-9-15



 Joan Nelson, City Recorder

Passed 1st Reading: 7-9-15

Public Hearing: 7-9-15

Passed 2nd Reading: 8-4-15



JASON E. MUMPOWER
Comptroller

Entity Referred: **Town of Tellico Plains**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

The Town contracted with TAUD to perform a rate study in accordance with the Board's previous order. TAUD has completed the rate study and submitted its resulting report and recommendations to the Town and to Board staff. The Town informed Board staff that the recommendations have been implemented but did not send proof. Board staff is comfortable with TAUD's recommendations, and the Town's financial trajectory if it has in fact implemented the recommendations.

Staff Recommendation

Order the following:

1. By October 15, 2021, the Town shall provide Board staff with proof of implementation of the resulting recommendations of the TAUD rate study.
2. The Town shall send financial updates to Board staff by March 1st and September 1st of each year, beginning March 1, 2022, until the Board releases the Town from its oversight.



REPORT FOR TOWN OF TELLICO PLAINS, TENNESSEE

WATER AND WASTEWATER FINANCING BOARD ORDER DATED SEPTEMBER 18, 2020

June 1, 2021

INTRODUCTION

Description of the Tellico Plains Water System and Sewer System

The Town of Tellico Plains, Tennessee (Town or Tellico Plains) is located in Monroe County. The governing board of the Town's water and sewer system is its Town Council.

As of June 30, 2020, the Town provided water service to 2,413 customers and has the following customer classes:

Inside -Town	343 customers
Inside – Town (no sewer)	71 customers
Outside - Town	1,900 customers
Commercial	99 customers

The Town's raw water supply comes from wells. The Town operates two water treatment plants, its main water treatment plant located within the Town limits which has a design capacity of 650 MGD and the Rural Vale water treatment plant which has a design capacity of 450 MGD.

All the Town's sewer customers are located within the town limits. As of June 30, 2020, the Town provided sewer service to 408 customers and has the following customer classes:

Inside - Town	362 customers
Commercial	46 customers

The Town operates a wastewater treatment plant with a design capacity of 0.41 MGD which discharges into the Tellico River.

The Town was referred to the Water and Wastewater Financing Board (WWFB) upon the submission of its audit for its fiscal year ending June 30, 2018, because it met the statutory definition for a financially distressed municipal water and sewer system. The system had a negative change in net position for two consecutive years without regard to any grants, capital contributions, or excluded non-cash items, for its fiscal years ending June 30, 2017 and June 30, 2018.

Existing Rate Structure and History of Changes in Net Position

Since the Town was referred to the WWFB, the Town increased its current water and sewer rates as set forth below which became effective on July 1, 2020. Before these rates were increased, the Town had not changed rates since before 2011. Below are the rates which became effective on July 1, 2020, and the percentage of increase in a customer's bill who uses 4,000 gallons of water per month received at these new rates.

Water

Inside-Town (with sewer)

Minimum monthly bill (includes 1,000 gallons)	\$9.00
Over 1,000 gallons	\$4.00 per 1,000 gallons

Percentage increase for customer using 4,000 gallons a month – 33.3%

Inside-Town - no sewer

Minimum monthly bill (includes 1,000 gallons)	\$9.00
Over 1,000 gallons	\$4.00 per 1,000 gallons

Percentage increase for customer using 4,000 gallons a month – 26.2%

Outside-Town

Minimum monthly bill (includes 1,000 gallons)	\$15.00
Over 1,000 gallons	\$ 4.00 per 1,000 gallons

Percentage increase for customer using 4,000 gallons a month – 22.2%

Commercial

Minimum Bill (includes 1,000 gallons)	\$15.00
Over 1,000 gallons	\$ 4.00 per 1,000 gallons

No change in commercial water rate

Sewer

Inside-Town

Minimum monthly bill (includes 1,000 gallons)	\$ 8.00
Over 1,000 gallons	\$ 3.00 per 1,000 gallons

No change in inside-town sewer rate

Commercial

Minimum monthly bill (includes 1,000 gallons)	\$ 15.00
Over 1,000 gallons	\$ 4.00 per 1,000 gallons

No change in commercial sewer rate

The balance of the Cash and Cash Equivalent accounts of the water and sewer fund as of July 1, 2020, was \$692,680. Of this amount, \$52,745 was restricted for customer deposits and escrows.

Water and Wastewater Financing Board Order

On December 3, 2020, the Water and Wastewater Financing Board (WWFB) issued an order directing the Town of Tellico Plains do the following items.

- 1) The Town shall hire a qualified expert to perform a rate study to include the following items:
 - (a) a justification for the differing rates for customers outside the Town as opposed to those inside the Town, or if no justification is possible, a recommendation involving a singular rate for the two types of customers;
 - (b) the creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs;
 - (c) A review of the capitalization policy, including any recommended modifications if needed;
 - (d) A review of the leak adjustment policy, including any recommended modifications;
 - (e) A review of connection fees, customer deposits, and tap fees to include recommended modifications if needed;
 - (f) A review of the new customer contract to include any recommended modifications if needed; and,
 - (g) The feasibility of creating an independent utility board separate from the Town Council
- 2) By October 31, 2020, the Town or qualified expert shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
- 3) By December 31, 2020, the Town shall send Board staff proof that all members of its governing body have complied with the training requirements set forth in Tenn. Code Ann. 7-34-115(j).
- 4) By February 28, 2021 the Town shall provide Board staff with the completed rate study and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

The Town was granted an extension to submit the rate study to June 30, 2021.

RECOMMENDATIONS

Recommendation #1

The Town needs to adopt the Five-Year Capital Asset Plan attached as **Exhibit 1**.

Recommendations #2

TAUD recommends the Town go ahead and approve the following changes to the Town’s existing rates:

Effective July 1, 2021:

Water Rates

Inside and Outside Residential Customers:

Minimum charge (includes 1,000 gallons)	\$13.00
Over 1,000 gallons	\$ 4.50 per 1,000 gallons

Commercial Customers

Minimum charge (includes 1,000 gallons)	\$17.00
Over 1,000 gallons	\$ 4.75 per 1,000 gallons

Commercial Customers – 2 inch and greater meters

Minimum charge (includes 1,000 gallons):	
2 inch meter	\$124.00
3 inch meter	\$228.00
4 inch meter	\$397.00
6 inch meter	\$622.00
Over 1,000 gallons	\$ 4.75 per 1,000 gallons

Sewer Rates

Inside and Outside Residential Customers:

Minimum bill (includes 1,000 gallons)	\$13.00
Over 1,000 gallons	\$ 4.50 per 1,000 gallons

Commercial

Minimum bill (includes 1,000 gallons)	\$17.00
Over 1,000 gallons	\$ 4.75 per 1,000 gallons

Effective July 1, 2022:

Water Rates

Inside and Outside Residential Customers:

Minimum charge (includes 1,000 gallons)	\$13.25
Over 1,000 gallons	\$ 4.95 per 1,000 gallons

Commercial Customers:

Minimum charge (includes 1,000 gallons)	\$17.25
Over 1,000 gallons	\$ 5.25 per 1,000 gallons

Commercial Customers – 2 inch and greater meters

Minimum charge (includes 1,000 gallons):

2 inch meter	\$124.00
3 inch meter	\$228.00
4 inch meter	\$397.00
6 inch meter	\$622.00

Over 1,000 gallons	\$ 5.25 per 1,000 gallons
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Sewer Rates

Inside and Outside Residential Customers:

Minimum bill (includes 1,000 gallons)	\$13.25
Over 1,000 gallons	\$ 4.95 per 1,000 gallons

Commercial:

Minimum bill (includes 1,000 gallons)	\$17.25
Over 1,000 gallons	\$ 5.25 per 1,000 gallons

Recommendation #3

TAUD recommends the Town adopt the following schedule for tap fees:

Water Tap Fees

1/2 or 3/4 inch tap: \$1,250
 plus \$800 when a city or county road bore is required
 plus actual road bore cost when a state road bore is required

All taps 1 inch or greater: Actual cost of materials and labor to install the tap

Sewer Tap Fee

\$1,250
plus \$800 when a city or county road bore is required
plus actual road bore cost when a state road bore is required

Recommendation #4

TAUD recommends the Town's connection fee for new service be changed to \$50.

Recommendation #5

TAUD recommends that the Town adopt an ordinance incorporating the provisions of the leak adjustment policy attached to this Report as **Exhibit 7**.

Recommendation #6

The Town work with TAUD to develop a new existing services application.

FIVE YEAR CAPITAL ASSET PLAN

The Town prepared the Five-Year Capital Asset Plan attached to this Report as **Exhibit 1** which should be approved by the Town Council.

RATE STUDY AND PROPOSED PLAN OF ACTION

To determine whether existing rates will produce sufficient revenues to make the Town's water and sewer system self-supporting, TAUD first projected a Statement of Revenues and Expenses and Changes in Net Position for the Town's water and sewer fund for its fiscal year ending June 30, 2021, to use as its test year. TAUD projected the revenues for the system using existing rates. TAUD projected operation and maintenance expenses by reviewing historical information from the five previous years, the Town's budget for its water and sewer fund for the fiscal year ending June 30, 2021, and any known and anticipated changes during the test year. See the Revenues and Expenses - Test Year Schedule attached as **Exhibit 2**.

Then, TAUD projected Statements of Revenues and Expenses and Changes in Net Position for the Town's water and sewer fund for its fiscal years ending June 30 of 2022, 2023, 2024, and 2025. See **Exhibit 3** attached to this Report.

Revenue Projections:

- Water and sewer revenues (metered water sales and sewer service charges) for the test year ending June 30, 2021, were projected by taking the Town's actual annual water usage reports for the fiscal year ending June 30, 2020, and applying the Town's water and sewer rates which became effective on July 1, 2020 to this actual usage.
- Discounts and penalties for the test year was projected based upon the average of discount and penalties revenue for the fiscal year ending June 30, 2019, and increased to account for the increase in water and sewer revenues projected for the test year.
- Water and sewer tap fees for the test year were projected based upon the Town's budget which includes an expected increase of approximately 60 new customers annually.
- Miscellaneous revenue for the test year was projected based upon the miscellaneous revenue for the fiscal year ending June 30, 2019.
- Interest income for the test year was projected based upon the interest income for the fiscal year ending June 30, 2019.
- Since 2016 the Town has experienced an annual customer growth rate of approximately 1%. Therefore, the revenue from water sales and sewer sales for the remaining four years of the five-year projection period includes a 1% annual increase.

Expense Projections:

- Except for depreciation and interest expense, all operating expenses for the test year are projected based the amount of these expenses for the Town's last audited fiscal year ending June 30, 2019.
- Depreciation for the test year is based upon the Town's fixed asset schedule which includes the annual depreciation of its capital assets plus depreciation on the capital assets the Town added in its fiscal year ending June 30, 2020 and have added or will add in its fiscal year ending June 30, 2021.
- For the remaining four years in the five-year projection period, all operating expenses, except depreciation and interest, are increased by 2% annually over the projected amount for the test year.
- Annual depreciation expenses for the remaining four years of the five-year projection period are projected based upon the Town's existing fixed asset schedule and the service lives used on this schedule for depreciation. Depreciation on new capital assets included in the capital asset plan during the five-year projection period are based upon the new capitalization policy recommended by TAUD.
- Interest expense for the test year and the remaining four years of the projection period are based upon the Town's debt amortization schedules on existing debt.

Revenue Sufficiency and Rate Modifications Required

TAUD projects that the Town's water and sewer fund will have a negative change in net position of (9,258) for the test year ending June 30, 2021, not including capital contributions and grant revenue.

Based upon the projected Statements, the Town's water and sewer fund will continue to have sizeable negative changes in net position for the remaining four years in the five-year projection period at current rates. The annual rate increases needed for the water and sewer fund to have a positive change in net position for the remaining years in the five-year projection period is attached as **Exhibit 4**.

Rate Changes Effective July 1, 2021 and July 1, 2022

TAUD recommends the Town go ahead and adopt the following changes to the Town's existing rates:

- The Town should have the same water rates for inside-town and outside-town water customers.
- Recommended rate changes:

Effective July 1, 2021:

Water Rates

Inside and Outside Residential Customers:

Minimum charge (includes 1,000 gallons)	\$13.00
Over 1,000 gallons	\$ 4.50 per 1,000 gallons

Commercial Customers

Minimum charge (includes 1,000 gallons)	\$17.00
Over 1,000 gallons	\$ 4.75 per 1,000 gallons

Commercial Customers – 2 inch and greater meters

Minimum charge (includes 1,000 gallons):	
2 inch meter	\$124.00
3 inch meter	\$228.00
4 inch meter	\$397.00
6 inch meter	\$622.00
Over 1,000 gallons	\$ 4.75 per 1,000 gallons

Sewer Rates

Inside and Outside Residential Customers:

Minimum bill (includes 1,000 gallons)	\$13.00
Over 1,000 gallons	\$ 4.50 per 1,000 gallons

Commercial

Minimum bill (includes 1,000 gallons)	\$17.00
Over 1,000 gallons	\$ 4.75 per 1,000 gallons

Effective July 1, 2022:

Water Rates

Inside and Outside Residential Customers:

Minimum charge (includes 1,000 gallons)	\$13.25
Over 1,000 gallons	\$ 4.95 per 1,000 gallons

Commercial Customers:

Minimum charge (includes 1,000 gallons)	\$17.25
Over 1,000 gallons	\$ 5.25 per 1,000 gallons

Commercial Customers – 2 inch and greater meters

Minimum charge (includes 1,000 gallons):	
2 inch meter	\$124.00
3 inch meter	\$228.00
4 inch meter	\$397.00
6 inch meter	\$622.00
Over 1,000 gallons	\$ 5.25 per 1,000 gallons

Sewer Rates

Inside and Outside Residential Customers:

Minimum bill (includes 1,000 gallons)	\$13.25
Over 1,000 gallons	\$ 4.95 per 1,000 gallons

Commercial:

Minimum bill (includes 1,000 gallons)	\$17.25
Over 1,000 gallons	\$ 5.25 per 1,000 gallons

- These rate changes should give the Town's water and fund a positive change in net position for its fiscal years ending June 30 of 2022 and 2023. See **Exhibit 3**.

The annual rate recommendations for the fiscal years beginning July 1, 2023, are based upon revenue and expense projections which are subject to change. Therefore, these rate recommendations should be reviewed annually as a part of the budgetary process each year to ensure that rates recommended will continue to produce sufficient revenues to give the water fund a positive change in net position in future fiscal years.

Projected Cash and Investments Schedule

If the Town adopts TAUD’s suggested rate increases through July 1, 2024, the water fund and sewer fund should have a cash and investments balance of \$839,047 as of June 30, 2025. The Water and Sewer Fund - Projected Cash and Investments Balance Schedule is attached as **Exhibit 5**.

MINIMUM BILL INCREASES FOR COMMERCIAL CUSTOMERS WITH LARGE METERS

In 2018, the Town considered increasing the minimum bill for its commercial customers that had meters of 2 inches or larger, but never took any action to implement these larger minimum bills. A primary purpose of the minimum bill is to cover the utility’s fixed costs which it incurs simply to have water service available to its customers. Customers with larger commercial meters require that a water utility be able to make significantly greater amounts of water available to them than residential customers who have ¾ inch meters.

The maximum flow rate of a residential ¾ inch meter is 20 gallons per minute (gpm). A 2 inch meter has a maximum flow rate of 160 gpm. Therefore, the Town’s investment to be able to provide water service to a customer with a 2 inch meter is significantly greater than the investment required to serve a residential customer. Therefore, higher minimum bills for customers with larger meters are justified. Based upon the Town’s current minimum bill of \$9.00 for inside-town customers, the following minimum bills for commercial customers with larger meters are appropriate:

2 inch meter	\$124.00
3 inch meter	\$228.00
4 inch meter	\$397.00
6 inch meter	\$622.00

These higher minimum bills for water service are included in TAUD’s rate recommendations.

TOWN’S CAPITALIZATION POLICY

The Town was not able to locate a resolution or other action which set forth its capitalization policy. The Town should adopt a resolution which incorporates the capitalization cost thresholds and service lives the Town currently uses for all capital assets as described in its annual audits, except its water and sewer system assets. The City’s capitalization policy should include the service lives for its water and sewer system using the recommended service lives adopted by the WWFB for municipal water and sewer systems. TAUD prepared a suggested resolution which the City can adopt to establish this recommended capitalization policy which is attached as **Exhibit 6** to this Report.

LEAK ADJUSTMENT POLICY

The Town's current leak adjustment policy is unclear and is difficult to implement. TAUD recommends that the Town adopt the attached ordinance which incorporates the provisions discussed above which is attached as **Exhibit 7**. The policy included in this ordinance includes the following provisions which are not in the current leak adjustment policy:

- Makes the policy the same for inside-town and outside-town customers
- Requires that a customer's monthly water bill must exceed 1.5 times the customer's average monthly water bill to qualify for an adjustment
- Water used for swimming pools will not qualify for an adjustment
- Leaks must be concealed and not readily detectable to qualify for a leak adjustment
- Customer must pay 50% of the high bill above the customer's average water usage

TAP FEES

TAUD recommended that the Town review the material and labor costs in incurs in installing water and sewer taps to ensure the current tap fees are covering the cost of making taps. TAUD recommended that tap fees for inside-town and outside-town customers be the same. The Town analyzed its costs and reviewed this analysis with TAUD. Based upon the Town's evaluation of its costs to install taps, TAUD recommends that the Town adopt the following tap fees effective July 1, 2021:

Water Tap Fees

1/2 or 3/4 inch tap:	\$1,250 plus \$800 when a city or county road bore is required plus actual road bore cost when astate road bore is required
All taps 1 inch or greater:	Actual cost of materials and labor to install the tap

Sewer Tap Fee

\$1,250
plus \$800 when a city or county road bore is required
plus actual road bore cost when a state road bore is required

CONNECTION FEES

The Town's current connection and reconnection are as follows:

Connection Fee	\$150
Meter turn off and turn on fee	\$ 50

Meter turn off and turn on fee – after normal business hours \$100

At a minimum, connection fees should cover the cost of establishing new service for a customer. These costs should attempt to cover a customer service employee meeting with the applicant or talking with the applicant by phone, reviewing the application for service, and processing the connection fee payment and tap fee payment, if applicable. A field employee must travel to the service address to verify the initial meter reading for the new account and to turn on the meter. Depending on the distance of the service address from Town Hall, this trip could take as little as 15 minutes up to an hour. A \$50 connection appears to cover the labor and equipment costs incurred to sign up a new customer for service.

The Town had implemented a utility deposit policy to collect bad debts from new customers but recently decided to abandon this policy. Because the Town has decided that the connection fee should just cover the cost of signing someone up for service, TAUD recommends the connection fee be \$50.

At a minimum, the Town's fee for re-connection after a service termination for nonpayment should cover the cost of two trips to the service address, one trip to turn off water service for nonpayment and a second trip to turn service back on after payment is received. The current meter turn on off and turn on fees are appropriate.

CUSTOMER CONTRACT

TAUD reviewed the Town's Existing Services Application which is attached as **Exhibit 8**. This application has references and language which can be improved:

- The application provides that the customer is providing an easement for the Town's "actual installed lien for ingress and egress." I believe this is a reference to the Town service line between the main and the Town's meter. The language does not reference the Town's water meter. The application states the easement shall run with the land. This easement will not run with the land because it would need to be recorded in the Register of Deed's office of this to occur. The Register of Deeds will not accept this Existing Services Application for filing.
- The application references the Town's rules and regulations, but the Town's terms of service are set forth in its ordinances. The Town has no authority to adopt "rules and regulations" as utility districts do. There just needs to be a language change to make this clear.
- The application should probably indicate whether it is for water only or for water and sewer.
- The application does not reference the termination of service for non-payment.

TAUD is willing to work with the Town to improve its customer contract should the WWFB request the Town to do so.

CREATION OF INDEPENDENT UTILITY BOARD

The Town has significantly more outside-town water customers than inside-town water customers. These customers have no representation on the governing board of the Town's water and sewer system which is the Tellico Plains Town Council. The Town has explored the creation of an independent utility board which would include water customers who are not resident of the Town. Neither the existing Tennessee law which allows a city to create a separate water and sewer board nor the Town's charter will not allow it to create a utility board with members who live outside the Town. The Town intends to discuss a private act with its legislators to create such a utility board with members living outside the town limits in the next session of the General Assembly.

Tellico Plains, Tennessee - Water & Sewer Fund
Five Year Capital Asset Plan

	<u>6/30/2021</u>	<u>6/30/2022</u>	<u>6/30/2023</u>	<u>6/30/2024</u>	<u>6/30/2025</u>
Painting - Tanks	-	157,500	157,500	-	-
Storage Tank	-	1,050,000	-	-	-
Water Meters	96,000	96,000	96,000	96,000	96,000
Water Pumps - Distribution System	-	-	125,000	-	-
Motor Control Center	-	75,000	75,000	-	-
Well Pumps	50,000	50,000	-	-	-
Water Plant Vehicles	-	-	20,000	20,000	-
Water Line Extensions	-	100,000	100,000	-	-
Distribution Lines	-	-	-	150,000	-
Renovate - Water Plant Warehouse & Storage	-	125,000	-	-	-
Rehab - Rural Vale Contact Tank	40,000	-	-	-	-
Tank at Rural Vale	170,000	-	-	-	-
Fencing	-	62,000	-	-	-
Leak Detection Program	-	35,000	-	-	-
Backhoe	-	-	50,000	-	-
Trackhoe	-	-	-	50,000	-
Directional Boring Machine	-	-	-	175,000	-
Scada	-	-	30,000	-	-
Total	356,000	1,750,500	653,500	491,000	96,000
Cumulative Depreciation	22,850	105,400	156,232	186,189	195,789
Total Capital Outlay & Depreciation	378,850	1,855,900	809,732	677,189	291,789
Source of Funds					
Loans	-	-	-	-	-
Grants	-	1,750,500	-	-	-
Cash	356,000	-	653,500	491,000	96,000
Total Funding Sources	356,000	1,750,500	653,500	491,000	96,000

Tellico Plains, Tennessee - Test Year
Water & Sewer Fund

	Budget 20-21	Last Audited Year	Estimated For 20-21	Explanation
Operating Revenues:				
Metered Water sales	725,000	663,522	752,964	Projected with New Rates
Metered Water sales -2" or greater	-	-	-	Will start in FY 21-22
Sewer Service Charges	87,000	90,880	93,072	Projected with New Rates
Water & Sewer Tap Fees	72,200	30,225	72,200	Used budget - City expects new taps and higher fees
Discounts & Penalties	16,000	20,569	23,000	Increased from audit year due to increase in rates
Miscellaneous	6,000	9,664	10,000	From last audited year
Total Operating Revenues	906,200	814,860	951,236	
Operating Expenses:				
Operation	493,600	471,039	471,000	From last audited year
Maintenance	46,300	53,975	54,000	From last audited year
General & Administrative	217,347	181,185	181,000	From last audited year
Depreciation	-	227,635	250,485	From last audited year plus new additions
Total Operating Expenses	757,247	933,834	956,485	
Operating Income (Loss)	148,953	(118,974)	(5,249)	
Nonoperating Revenues (Expenses)				
Interest Income	550	546	550	From last audited year
Interest Expenses	(33,480)	(10,008)	(4,559)	From amortization schedule
Total Nonoperating Revenues (Expenses)	(32,930)	(9,462)	(4,009)	
Change in Net Position before Contributed Capital	116,023	(128,436)	(9,258)	
Transfers	-	(12,603)	-	N/A
Change in Net Position	116,023	(141,039)	(9,258)	
Capital Contributions & Grants	575,149	434,376	-	N/A

**Tellico Plains, Tennessee - Projected Statements of Revenues and Expenses and Changes in Net Position -
Water & Sewer Fund**

	Projected 6/30/2021	Projected 6/30/2022	Projected 6/30/2023	Projected 6/30/2024	Projected 6/30/2025
Operating Revenues:					
Metered Water sales	752,964	760,494	768,099	775,780	783,537
Metered Water sales -2" or greater	-	40,968	40,968	40,968	40,968
Sewer Service Charges	93,072	94,003	94,943	95,892	96,851
Water & Sewer Tap Fees	72,200	72,922	73,651	74,388	75,132
Discounts & Penalties	23,000	23,000	23,000	23,000	23,000
Miscellaneous	10,000	10,000	10,000	10,000	10,000
Total Operating Revenues	951,236	1,001,386	1,010,661	1,020,027	1,029,488
Operating Expenses:					
Operation	471,000	480,420	490,028	499,829	509,826
Maintenance	54,000	55,080	56,182	57,305	58,451
General & Administrative	181,000	184,620	188,312	192,079	195,920
Depreciation	250,485	333,035	383,867	413,824	423,424
Total Operating Expenses	956,485	1,053,155	1,118,390	1,163,037	1,187,621
Operating Income (Loss)	(5,249)	(51,769)	(107,729)	(143,010)	(158,133)
Nonoperating Revenues (Expenses)					
Interest Income	550	550	550	550	550
Interest Expenses	(4,559)	(2,776)	(884)	-	-
Total Nonoperating Revenues (Expenses)	(4,009)	(2,226)	(334)	550	550
Change in Net Position before Contributed Capital	(9,258)	(53,995)	(108,063)	(142,460)	(157,583)
Transfers	-	-	-	-	-
Change in Net Position	(9,258)	(53,995)	(108,063)	(142,460)	(157,583)
Revenue Generated from Suggested Rate Increase	N/A	61,777	116,704	151,644	168,567
Change in Net Position after Suggested Rate Increases	(9,258)	7,782	8,641	9,185	10,984

Tellico Plains, Tennessee - Water & Sewer Fund - Recommended Rate Increases

	FY 21-22	FY 22-23	FY 23-24	FY 24-25
WATER				
<u>Residential Customers (All)</u>				
Minimum Bill (includes 1,000 gallons)	\$13.00	\$13.25	\$13.40	\$13.45
Over 1,000 gallons	\$4.50 / 1,000	\$4.95 / 1,000	\$5.25 / 1,000	\$5.40 / 1,000
<u>Commercial</u>				
Minimum Bill (includes 1,000 gallons)	\$17.00	\$17.25	\$17.50	\$17.55
Over 1,000 gallons	\$4.75 / 1,000	\$5.25 / 1,000	\$5.50 / 1,000	\$5.65 / 1,000
<u>Commercial</u>				
Minimum Bill - 2" Meters	\$124.00	\$124.00	\$124.00	\$124.00
Minimum Bill - 3" Meters	\$228.00	\$228.00	\$228.00	\$228.00
Minimum Bill - 4" Meters	\$397.00	\$397.00	\$397.00	\$397.00
Minimum Bill - 6" Meters	\$622.00	\$622.00	\$622.00	\$622.00
Over 1,000 gallons	\$4.75 / 1,000	\$5.25 / 1,000	\$5.50 / 1,000	\$5.65 / 1,000
<u>SEWER</u>				
<u>Residential Customers</u>				
Minimum Bill (includes 1,000 gallons)	\$13.00	\$13.25	\$13.40	\$13.45
Over 1,000 gallons	\$4.50 / 1,000	\$4.95 / 1,000	\$5.25 / 1,000	\$5.40 / 1,000
<u>Commercial</u>				
Minimum Bill (includes 1,000 gallons)	\$17.00	\$17.25	\$17.50	\$17.55
Over 1,000 gallons	\$4.75 / 1,000	\$5.25 / 1,000	\$5.50 / 1,000	\$5.65 / 1,000

Tellico Plains, Tennessee -Projected Cash & Investments

	Projected 6/30/2021	Projected 6/30/2022	Projected 6/30/2023	Projected 6/30/2024	Projected 6/30/2025
Beginning Balance	692,680	548,986	859,099	568,629	500,638
Sources of Funds					
Water & Sewer Charges ***	846,036	957,241	1,020,713	1,064,284	1,089,924
Other Revenues	105,200	105,922	106,651	107,388	108,132
Interest Revenue	550	550	550	550	550
Grants	-	1,750,500	-	-	-
Total Sources of Funds	951,786	2,814,213	1,127,914	1,172,222	1,198,605
Uses of Funds					
Operating Expenses	956,485	1,053,155	1,118,390	1,163,037	1,187,621
Depreciation	(250,485)	(333,035)	(383,867)	(413,824)	(423,424)
Debt Service - Principal	28,921	30,704	29,478	-	-
Debt Service - Interest	4,559	2,776	884	-	-
Capital Outlay over \$5,000	356,000	1,750,500	653,500	491,000	96,000
Total Uses of Funds	1,095,480	2,504,100	1,418,384	1,240,213	860,197
Ending Balance	548,986	859,099	568,629	500,638	839,047

NOTE: This synopsis from beginning funds to ending funds does not include accounts receivable, accounts payable, fixed asset or any other adjustments made to the balance sheet. This is a "cash basis" summary.

RESOLUTION NO. 2021-_____

A RESOLUTION TO ESTABLISH CAPITALIZATION THRESHOLDS FOR ASSETS TO BE RECORDED AS CAPITAL ASSETS IN THE CITY'S FINANCIAL STATEMENTS

WHEREAS, the Town of Tellico Plains, Tennessee (the Town) desires to formally adopt the capitalization thresholds at which its assets have historically been capitalized and recorded as capital assets in the City's financial statements; and

WHEREAS, the City desires to establish appropriate capitalization thresholds and service lives for its water system assets which are consistent with the directives of the Water and Wastewater Financing Board for municipal water and sewer systems.

NOW, THEREFORE, BE IT RESOLVED by the Board of Mayor and Commissioners that:

(a) **Capitalization Thresholds.** City assets with an estimated useful life of two years will be capitalized when the cost of the asset is \$1,000 or greater. Land and Construction in Progress are capitalized but not depreciated. The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend asset lives are not capitalized.

(b) **Asset Cost Basis.** Capital assets shall be recorded at historical cost when the cost is reasonably determinable. If historical cost data is not determinable, an estimated historical cost will be used.

(1) Actual Cost – This cost will include the purchase or construction cost (which can be obtained through invoice, purchase order, and paid check files) and charges necessary to place the asset into service at its intended location. Such necessary costs may include costs such as freight and transportation, site preparation expenditures, interest costs, professional fees, and legal claims directly attributable to asset acquisition.

(2) Estimated Cost – This cost will be based on as much documentary evidence as can be found to support the cost, such as interviews with vendors selling such assets engineers, or other personnel and price level adjustments based on the Consumer Price Index for each asset.

(3) Donated Cost – These assets will be based on their estimated fair market value at time of acquisition. A determination as to the fair market value basis will be included with property records.

(4) Interest on Debt Issued – Interest on debt issued for the construction of an asset will be capitalized as part of the asset's cost to the extent of the interest that was incurred during the construction period only.

(c) **Depreciation.**

- (1) Depreciation is a method for allocating the cost of capital assets over their useful lives. Generally accepted accounting principles dictate that the value of the capital asset must be written off as an expense over the useful life of the asset.
- (2) Annual depreciation expense will be calculated using the straight-line method.
- (3) When the asset is disposed of, the actual date of disposal is disregarded, and the disposal date is the end of the month prior to the month of disposal (i.e. no depreciation is taken for the month of disposal).
- (4) The salvage value of an asset is an estimate made by management of what the value of an asset will be at the end of its useful life. If the City intends to utilize a capital asset until it is literally worthless, a salvage value of zero (0) will be assigned.

(d) **Useful Lives of Capital Assets**

<u>Asset Type</u>	<u>Useful Life in Years</u>
Land and Easements	No depreciation
Buildings and improvements (other than water and sewer)	15-40
Land improvements	30
Machinery and equipment (other than water and sewer)	5-20
Vehicles	5-10
Furniture and fixtures	5-10
Streets	10-100
Water System:	
Buildings (Office and Plant)	20-50
Equipment and Tools	3-10
Furniture and Fixtures	3-10
Machinery, Equipment and Service Vehicles	3-10
Pumps and Treatment Equipment	3-10
Transportation Equipment	3-10
Water Lines and Storage	20-50
Well / Dam	Engineer's Estimate

Sewer System:

Buildings (Office and Plant)	20-50
Equipment and Tools	3-10
Furniture and Fixtures	3-10
Machinery, Equipment and Service Vehicles	3-10
Pumps and Treatment Equipment	3-10
Transportation Equipment	3-10
Wastewater (Sewer) System	20-50

Adopted this ____ day of _____, 2021.

Mayor

Attest: _____
City Recorder

Ordinance No. #####

An Ordinance Authorizing Leak Adjustments for Water and Sewer Customers of the Town of Tellico Plains, Tennessee

Whereas, the Town Council desires to have a fair, consistent and equitable procedure to adjust high water and sewer bills caused by leak on the customer's side of the Town's water meter.

Be It Ordained by Town Council of the Town of Tellico Plains, Tennessee, that the following policy be adopted for the adjustment of high water and sewer bills caused by a leak on the customer's side of the meter as a new Section _____ to the Tellico Plains Municipal Code.

_____. Leak Adjustments

(1) The customer is responsible for paying for all metered water usage at the customer's service address and for paying all sewer charges based upon metered water usage. Customers are responsible for keeping their plumbing repaired and in good working order.

(2) To qualify for a leak adjustment, the following conditions must be met.

(a) Water loss from a leak must result in a monthly water bill which is at least one and half times more than the customer's average monthly water bill for the previous 12 months. The month in which the leak occurred shall be excluded. When a customer does not have 12 months of water usage history, the customer's average monthly water bill will be based upon the customer's average water bill for the number of full months the customer has actually received water service at the service address.

(b) The customer must locate and timely repair the water leak which must be verified by the Town. The repair may be verified one of the following methods.

(i) The customer must present the City with an affidavit or written statement from a plumber that the leak has been located and repaired.

(ii) The customer provides a copy of an invoice for the materials used to fix the leak and verifies that the customer fixed the leak.

(iii) A Town employee is able to verify that the customer was able to repair the leak.

(c) A leak must be repaired within 30 days of the due date of the bill which shows the customer has a water leak. When a customer is notified of a leak by the Town, the leak must be repaired within 30 days of receiving such notice. The customer must submit a leak adjustment request form to the Town office which form can be obtained by calling the Town's office.

(d) When the customer has a chronic leak, the Town may require the replacement of the customer's service line before a leak adjustment is made.

(e) The leak must have been concealed and not readily detectable by a reasonable person such as a leak in an underground water service line between the meter and the exterior of a building or within walls or under the floors of a building.

(f) No leak adjustment will be made for leaks which are readily detectable by the customer. These include the following:

- i. Leaking faucets and toilets;
- ii. Faucets, hoses and other water outlets left running;
- iii. Leaks from frozen pipes;
- iv. Water used for filling swimming pools, washing cars and irrigating lawns gardens; or
- v. Leaks from swimming pool systems and from irrigation systems.

(g) Only one bill will be adjusted for a qualifying leak in any consecutive twelve-month period. The leak adjustment will only be made in the billing cycle in which the leak is repaired.

(4) The leak adjustment for the water bill will be calculated as follows:

STEP 1: Determine the customer's average monthly water usage from the customer's 12 preceding monthly bills, excluding the month in which the leak occurred. When a customer does not have 12 months of water usage history, the customer's average monthly water bill will be based upon the customer's average water bill for the number of full months the customer has actually received water service at the service address.

STEP 2: Subtract the customer's average monthly water usage from STEP 1 from the total water usage included in the high bill being adjusted to establish the amount of the overage gallons.

STEP 3: Divide the overage gallons by two to determine the amount of gallons to be used to make the leak adjustment to the bill.

STEP 4: The adjusted water billing amount will include the average monthly bill plus the adjustment from STEP 3, plus sales tax and any other charges that may apply.

Example: The customer's water usage on the high bill being adjusted is 20,000 gallons. The customer's average monthly water usage is 4,000 gallons. The leak adjustment is computed as follows:

Water usage included in high bill	20,000
Average monthly water usage	<u>-4,000</u>
Overage gallons	16,000

$(16,000)/2 = 8,000$ – Overage gallons used to make water bill adjustment

$(8,000)(\$3.00 \text{ per } 1,000 \text{ gallons}) = \24.00 - Adjusted bill amount of gallons
above average monthly water usage

(5) When the Town determines that the water from the qualifying leak did not enter the Town's sewer system, the Town will adjust the customer's high sewer bill to the customer's average sewer bill using the customer's average monthly water usage as defined in section 4.

(6) When a high sewer bill is caused by a water leak which does not qualify for a water leak adjustment under section (2) and the Town determines the water from the non-qualifying leak did not enter the Town's sewer system, the Town will adjust the customer's high sewer bill to the customer's average sewer bill using the customer's average monthly water usage as defined in section 4.

(7) In hardship cases the Town's Mayor and Board of Aldermen may approve monthly installment payments for the adjusted bill not to exceed twelve (12) consecutive monthly installments.

**TOWN OF TELlico PLAINS
EXISTING SERVICES APPLICATION**

405 Veterans Memorial Drive, Tellico Plains, TN 37385
(423) 253-2333 FAX (423) 253-3673

Customer Name: _____

Physical Address: _____

Mailing Address (if different from physical): _____

Phone Number: _____ E-Mail Address: _____

Employer: _____

Connection Date Requested: _____

Specific Instructions/Information: _____

Customer grants the Town of Tellico Plains an easement ten (10) feet wide and lying five (5) feet on either side of the actual installed line for ingress & egress. This easement shall run with the land. The applicant agrees to permit authorized agents of the Utility free access to the premises of the customer for the purpose of inspecting, reading, repairing or removing property of the Utility.

The Town of Tellico Plains shall have the right, but shall not be obligated, to inspect any installation before the town's service is introduced, or at any later time, and reserves the right to reject any service not in accordance with town's standards; but such inspection, or failure to inspect or reject, shall not be regarded as an insurance against defects in the installation, or from violation of the Town of Tellico Plains Rules and Regulations, or from accidents which may occur upon customers premises.

The applicant agrees that this application is subject to the Town of Tellico Plains Rules and Regulations, a copy of which is open for inspection at the office of the town, and that these Rules and Regulations are a part of this agreement and incorporated herein by reference.

The applicant agrees to pay a **non-refundable** connection fee of \$150.00. Should default occur, I agree to pay a late charge (penalty) of one and one-half percent (1.5%) per month on the unpaid balance. I further agree should this account be placed for collection, I agree to pay all collection charges, including, but not limited to, prejudgment interest, court costs, attorney fees of twenty percent (20%) with a minimum of \$250.00, and all other costs associated with collection.

Please complete this application for service and sign below. We also need a copy of your state or federal photo I.D. If you are the property owner, you will need to provide a copy of your deed showing proof of ownership. If you are renting this property, you will need to provide a rental agreement between the property owner and yourself.

Applicant Signature: _____ Date: _____
Printed Name: _____

Co-Applicant Signature: _____ Date: _____
Printed Name: _____

**TOWN OF TELICO PLAINS
EXISTING SERVICES APPLICATION**

405 Veterans Memorial Drive, Tellico Plains, TN 37385
(423) 253-2333 FAX (423) 253-3673

CUT OFF POLICY

Every customer is responsible for paying their bill in a timely manner. In the event of an emergency situation, other arrangements may be made, **in writing**, with the town. Once your bill is past due for thirty (30) days, your water service will be disconnected, until the bill is paid in full. If service is terminated, there will be a \$35.00 reconnect fee, which must be paid in full, in addition to the balance due on your bill prior to being reconnected. If payment is received by the water department **before 3:00 p.m.**, water service will be reconnected on that same day. If payment is received **after 3:00 p.m.**, water service will not be restored until the following business day. In the event it becomes necessary for a water department employee to do an emergency reconnect after hours, there will be a \$100.00 reconnect fee charged to your account.

NOTICE: Tampering with a water meter is a criminal act and will be prosecuted!

By signing below, I agree to all the terms of the Town of Tellico Plains **CUT OFF POLICY**.

Applicant's Signature _____

on this _____ day of _____, 20_____

Printed name _____

Co-Applicant's Signature (if applicable) _____

on this _____ day of _____, 20_____

Printed name _____



JASON E. MUMPOWER
Comptroller

Entity Referred: **Town of Tennessee Ridge**

Referral Reason: **Negative Change in Net Position**

Utility Type Referred: **Water and Sewer**

Staff Summary:

The Town was referred to the Board for financial distress on February 28, 2020. The Town indicated in its financial questionnaire, which is included in the supplemental packet, that inflow and infiltration into the sewer system is the cause of its financial distress. Officials from the Town have indicated that they plan to contract with TAUD to carry out the Board's upcoming directives.

Staff Recommendation

1. The Town shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - a. a review of the debt management policy, including any recommended modifications;
 - b. a review of the capitalization policy, including any recommended modifications;
 - c. creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs;
 - d. a review of all water and sewer fees, including any recommended modifications;
 - e. a review of the leak adjustment policy, including any recommended modifications; and
 - f. a review of the feasibility of the Town's plan to improve inflow and infiltration.
2. By October 29, 2021, the Town shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
3. By July 1, 2022, the Town shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
4. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the Town.

CITY OF TENNESSEE RIDGE

March 18, 2021

TN Comptroller of the Treasury
Attn: John Greer/Ross Colons
Cordell Hull Building
425 Rep. John Lewis Way North
Nashville, TN 37243

Dear Mr. Greer and Mr. Colons:

We are submitting the questionnaire as requested. We have answered the questions to the best of our ability. We hope that you have everything that you need.

Please feel free to email cotr@peoplestel.net with any questions or concerns.

Respectfully



Kenneth Dunavant
City Manager
City of Tennessee Ridge

P O BOX 207
TENNESSEE RIDGE
TENNESSEE 37178

PHONE (931) 721-3385
TDD#202-720-6382
"THIS INSTITUTION IS AN EQUAL
OPPORTUNITY PROVIDER, AND EMPLOYER."

Section A: Contact Information

Please provide contact information for the utility by responding to the fields below.

Utility Address Information	
Utility Contact Address Line 1:	P.O. Box 207
Utility Contact Address Line 2:	2300 S Main St
Utility Contact Address City:	Tennessee Ridge
Utility Contact Address State:	TN
Utility Contact Address Zip Code:	37178
Contact Person 1 Information	
Contact Person 1 Title:	City Manager
Contact Person 1 Name:	Kenneth Duravant
Contact Person 1 Email Address:	co tr @ peoplestel.net
Contact Person 1 Phone Number:	931-721-3385
Contact Person 2 Information	
Contact Person 2 Title:	City Recorder
Contact Person 2 Name:	Weslie Rucker
Contact Person 2 Email Address:	co tr @ peoplestel.net
Contact Person 2 Phone Number:	931-721-3385

Section B: Water Utility Information

1. Does your utility offer water?
 - a. If yes, please complete the following section. If no, please proceed to Section C: Wastewater Utility Information.
2. Have you had any rate changes in the previous five years?
 Yes or No (Circle your answer)
 - a. Please provide a copy of your current rate ordinance/structure and the justification for why the rates are set this way- including any recent rate studies performed for the utility.
 - b. Please provide a copy of previous rate ordinances/structures from the previous five years if you answered yes to Question #2.
 - c. If you have differing rate classes (inside/outside city limits, residential/commercial/industrial, new developments, etc.), please provide justification as to why these rates are set the way they are.
3. Do you have any current plans for a rate change?
 Yes or No (Circle your answer)
 - a. If yes, please provide a written answer to the following questions:
 - i. Are you planning for a rate increase or decrease?
 - ii. Are you planning this change across all customer classes or only on a certain customer class?
 - iii. Has your Board voted on this rate change yet?
 - iv. If your Board has discussed a rate change at recent meetings, please attach a copy of the relevant minutes at which this meeting took place.
4. Have you had any utility fee changes in the previous five years?
 Yes or No (Circle your answer)
 - a. Please provide a copy of your current utility fee schedule.
 - b. Please provide a copy of previous utility fee schedules if you answered yes to Question #3.
 - c. Please provide a written rationale for the charges for tap fees, reconnect fees, etc.
5. Has your debt management policy been reviewed in the last 5 years?
Yes or No (Circle your answer)
 - a. Please provide a copy of your debt management policy. If you do not have a debt management policy, please provide a written rationale for why a debt management policy has not been adopted.
6. Has your capitalization policy been reviewed in the last 5 years?
Yes or No (Circle your answer)
 - a. Please provide a copy of your capitalization policy. If you do not have a capitalization policy, please provide a written rationale for why a capitalization policy has not been adopted.

7. Please provide the most recent 3 months of balance sheets and income statements for your water fund.
 - a. If you are a water and wastewater utility and are having difficulty breaking out the accounts, please use percentages or estimate for accounts for the most accurate depiction of the financial status of the utility.
8. Do you have a plan to remedy your financially distressed position for your water fund? Yes or No (Circle your answer)
 - a. If yes, please provide a detailed copy.
 - b. If no, please provide a justification for why not.
9. Who has the authority to set rates and fees?

Answer:

-
- a. Is this a board or committee separate from your local legislative body? (City Council, Board of Mayor and Alderman, etc.)
Yes or No (Circle your answer)
 - b. Please provide a list containing the following information for the aforementioned individuals:
 - i. Name
 - ii. Title
 - iii. Mailing Address
 - iv. Phone Number
 - v. Date of Initial Election or Appointment
 - vi. Have they fulfilled their initial 12 hour training requirement within the first year of service, if applicable? Yes or No
 - vii. If so, please provide proof that the training requirement has been satisfied.

10. How many total customers do you currently have?

Answer:

-
- a. Please provide a numerical break-down of the totals for each type of customer:
 - i. Billed
 - ii. Unbilled
 - iii. Metered
 - iv. Unmetered
 - v. Breakdown by Rate Class (inside, outside, inside residential, inside commercial, outside residential, outside commercial, etc.)

11. What percentage of your sales do your largest 10 customers account for annually?
(Largest 10 Customer Sales Total / Total Annual Water Sales)

Answer:

-
12. What percentage of your volume do you largest 10 customers account for annually?
(Gallons of Water sold to Largest 10 Customers / Total Gallons of Water Sold)

Answer:

-
13. Do you have a leak adjustment policy?

Yes or No (Circle your answer)

- a. If yes, how many leak adjustments were performed based on your leak adjustment policy in the last 12 months? What is the cost associated with these leaks?

Answer:

- b. If yes, please attach a copy of your leak adjustment policy.
c. If no, please move on to the next question.

14. Have you incurred any new debt during the current fiscal year for your water utility, or do you plan on incurring any debt during the current fiscal year for your water utility?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation regarding the debt.
b. If no, please move on to the next question.

15. Have you received any grants or capital contributions during the current fiscal year for your water utility, or do you plan on receiving any grants or capital contributions during the current fiscal year for your water utility?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation regarding these grants or capital contributions.
b. If no, please move on to the following question.

16. Have you applied for any grants that will be received over the next two years?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation regarding these potential grants.
b. If no, please move on to the following question.

17. Are your customers made aware of the rates and fees you have in place annually?

Yes or No (Circle your answer) Yes

- a. If yes, how is this accomplished?
b. If no, please provide a written justification as to why not.

18. Do you review your capital asset list?

Yes or No (Circle your answer)

- a. If yes, how often is this list reviewed and by whom?
b. If no, please provide a written justification as to why not.
c. Please provide a copy of your capital asset plan, or a justification as to why you do not have one.

19. Do you keep a copy of your capital asset list on file?

Yes or No (Circle your answer)

20. Do you produce your own water supply?

Yes or No (Circle your answer)

- a. If yes, what is the cost per thousand gallons to produce?

Answer:

- b. If no, please move on to the next question.

21. Do you purchase your water supply?

- a. If yes, please provide the following:
 - i. List of entities water is purchased from
 - ii. Rates at which water is purchased at
 - iii. Water purchase contract with these entities, if no contract exists please give an explanation as to why there is no contract.
- b. If no, please move on to the following question.

22. Do you have any wholesale customers?

Yes or No (Circle your answer)

- a. If yes, please provide the contract(s) with these customer(s) or a detailed explanation as to why a contract does not exist and the rate at which water is sold to this customer.
- b. If no, please move on to the following question.

23. Do you have a plan to improve your non-revenue water percentage?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation as to how this will be improved along with your current non-revenue water percentages by cost and by volume.
- b. If no, please provide a detailed justification as to why the current non-revenue water percentage does not need to be improved along with your current non-revenue water percentages by cost and by volume.

24. Are there any environmental concerns currently or forthcoming that will put a financial burden on the system?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation as to what the concern or issue is and the extent of the financial burden that will be incurred.
- b. If no, please move on to the next question.

25. In regard to your governing body, how frequently do you meet and what is your practice of providing notice of your meetings?

Answer:

WATER ATTACHMENT LIST

SECTION B

Question #2 Ordinance#2014-169, 2017-194 2019-216 Section #1 Rate Schedule at present attached. We try to keep rates to cover costs so as not to burden customers. We are a small community. An Engagement Letter from TAUD is attached. We have contracted with them to do a rate study.

Question #3 Ordinance#2021-243 This is the planned increase. Purposed increase the inside to match outside rates. The board voted on 3-1-21

Question #4 See Ordinance#2020-228. It shows old rate and new rate for fees. See also Ordinance# 2019-216. They were raised due to cost of materials and labor. We are a small town and do not get a lot of tap fees.

Question #5 Ordinance#2012-143 and 2011-127

Question #6 Ordinance#2004-16

Question #7 Have provided what our software system will let us.

Question #8 The result of I&I in our sewer system is the cause for the distressed position. We have already been approved for a loan and a grant to do rehab on the system. We are just waiting on Rural Development legal department to approve and purchase of land for flow meter.

Question #9 The Mayor and Board of Commissioners.

Question #10 See attached customer count.

Question #11 See attached

Question #12 See attached

Question #13 Ordinance#2019-216 Section 9- Leak adjustment attached.

Question #14 We have not as of now; but do plan to get a loan for sewer rehab and water tank painting. No debt has been incurred as of the date of this submittal.

Question #15 This answer would be yes or no. Neither has been done as of yet; but we are not sure that it will be during this fiscal year.

Question #16 Grant from Rural Development for \$400,000

Question #17 They are discussed at meetings; but as for sending out notification; this is not done.

Question #18 Yes, by office personnel and outside auditors.

Question #19 Attached.

Question #20 We have attached the AWWA report for the past fiscal year.

Question #21 We have a connection to the City of Erin to purchase water, but at this time we are not purchasing any water from them or any other source.

Question #23 Not sure what you mean by non-revenue; but we bill for all of our gallons; except for fire department usage and flushing.

Question #24 As stated before the result of I&I in our sewer system is the cause for the distressed position. We have already been approved for a loan and a grant to do rehab on the system. We are just waiting on Rural Development legal department to approve and purchase of land for flow meter.

Question #25 The board meets once a month and the public is notified on water bills and city Facebook page and website.

Utility Billing Rate Codes

Rate Code	Rate Type	Rate Description	Rate Min Amt	Rate Max Amt	Rate Min Unt	Rate Tax Pct	Recurring
WRIN	Step Rate	WATER RES. IN	\$22.41000	\$0.00000	1500	9.75%	False
<u>Rate Units</u>		<u>Unit Amount</u>					
1501		\$0.00503					
Rate Code	Rate Type	Rate Description	Rate Min Amt	Rate Max Amt	Rate Min Unt	Rate Tax Pct	Recurring
WROT	Step Rate	WATER RES OUT	\$28.30000	\$0.00000	1500	9.75%	False
<u>Rate Units</u>		<u>Unit Amount</u>					
1501		\$0.00627					
Rate Code	Rate Type	Rate Description	Rate Min Amt	Rate Max Amt	Rate Min Unt	Rate Tax Pct	Recurring
WCIN	Step Rate	WATER COM. IN	\$46.56000	\$0.00000	15000	9.75%	False
<u>Rate Units</u>		<u>Unit Amount</u>					
15001		\$0.00551					
Rate Code	Rate Type	Rate Description	Rate Min Amt	Rate Max Amt	Rate Min Unt	Rate Tax Pct	Recurring
WCOT	Step Rate	WATER COM. OUT	\$64.29000	\$0.00000	15000	9.75%	False
<u>Rate Units</u>		<u>Unit Amount</u>					
15001		\$0.00711					
Rate Code	Rate Type	Rate Description	Rate Min Amt	Rate Max Amt	Rate Min Unt	Rate Tax Pct	Recurring
SRIN	Step Rate	SEWER RES. IN	\$23.14000	\$0.00000	1500	0.00%	False
<u>Rate Units</u>		<u>Unit Amount</u>					
1501		\$0.00334					
Rate Code	Rate Type	Rate Description	Rate Min Amt	Rate Max Amt	Rate Min Unt	Rate Tax Pct	Recurring
SC	Step Rate	SEWER COM.	\$40.41000	\$0.00000	15000	0.00%	False
<u>Rate Units</u>		<u>Unit Amount</u>					
15001		\$0.00385					
Rate Code	Rate Type	Rate Description	Rate Min Amt	Rate Max Amt	Rate Min Unt	Rate Tax Pct	Recurring
SROU	Step Rate	SEWER RES. OUT	\$23.14000	\$0.00000	1500	0.00%	False
<u>Rate Units</u>		<u>Unit Amount</u>					
1501		\$0.00334					

Total Rate Codes: 7
 Total Flat Rates: 0
 Total Step Codes: 7

ORDINANCE #2019-216

AN ORDINANCE TO ADOPT WATER AND SEWER RATES
FOR THE CITY OF TENNESSEE RIDGE

WHEREAS: the City of Tennessee Ridge is empowered by its charter to establish water and sewer rates by appropriate ordinance or resolution; and

WHEREAS: the Board of Commissioners of the City of Tennessee Ridge has determined that it is necessary to establish a new rate for water and sewer due to the rising costs to produce potable water, and maintain the sewer system,

NOW, THEREFORE BE IT ORDAINED BY THE BOARD OF COMMISSIONERS OF THE CITY OF TENNESSEE RIDGE AS FOLLOWS:

SECTION ONE: That the following water and sewer rate schedule be and is hereby adopted for the City's water customers:

	<u>From</u>	<u>To</u>
Residential Inside Per Thousand after minimum	21.41 5.03	22.41 5.03
Residential Outside Per Thousand after minimum	27.30 6.27	28.30 6.27
Commercial Inside Per Thousand after minimum	45.56 5.51	46.56 5.51
Commercial Outside Per Thousand after minimum	63.29 7.11	64.29 7.11
Sewer Residential Per Thousand after minimum	22.14 3.34	23.14 3.34
Sewer Commercial Per Thousand after minimum	39.41 3.85	40.41 3.85

Section Two: That the minimum for residential users is 1,500 gallons and the

minimum for commercial users is 15,000 gallons. After minimum gallons are used the cost of water and sewer will be at the per thousand amount.

Section Three: Any customer, whether inside or outside of the city limits of the City of Tennessee Ridge, connected to the water system shall be charged a minimum bill each month regardless of whether there was any water usage or not; as the minimum is based on Zero gallons to 1,500 gallons.

Section Four: That a ¾ inch water tap will cost \$750.00 and a 1" water tap will cost \$900.00. Road bores will cost \$750.00. A sewer tap will cost \$750.00.

Section Five: Any customer that has not paid their bill by the 25th of the month will be cut off and will not be turned back on until the bill is paid with an additional \$40.00 reconnect fee during working hours; and a reconnect fee of \$75.00 if paid after hours. If the 25th falls on the weekend or a holiday, the cut off date will be the next business day.

Section Six: That the returned check fee will be \$30.00 on all returned checks and \$35.00 on all returned drafts.

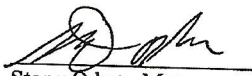
Section Seven: There will be a \$10.00 transfer fee added to transfer service from one service address to another service address.

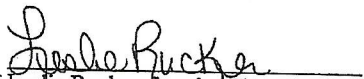
Section Eight: That all resolutions and ordinances of the City of Tennessee Ridge, which are in conflict with this ordinance, shall be and are hereby repealed insofar as they conflict.

Section Nine: Water Bills may be adjusted after 25,000 gallons for residential and 100,000 for commercial, after it had been determined that the usage was caused by a leak and the leak has been confirmed to have been repaired. The adjustment formula is

as follows: deduct previous month's usage from the verified leak usage, multiply the sum by the determined charge to be the adjusted water rate amount, add tax to the water charge, add previous month's bill to the adjusted amount. Sewer adjustments will be adjusted by averaging the last three months after it has been determined that the water did not go into the sewer system.

Section Ten: That this ordinance shall take effect upon its final passage and adoption, the public welfare requiring it.


Stony Odom, Mayor


Leslie Rucker, Interim City Recorder

PASSED FIRST READING: 05-06-2019

PASSED SECOND READING: 06-03-2019

ORDINANCE #2017-194

AN ORDINANCE TO ADOPT WATER AND SEWER RATES
FOR THE CITY OF TENNESSEE RIDGE

WHEREAS: the City of Tennessee Ridge is empowered by its charter to establish water and sewer rates by appropriate ordinance or resolution; and

WHEREAS: the Board of Commissioners of the City of Tennessee Ridge has determined that it is necessary to establish a new rate for water and sewer due to the rising costs to produce potable water, and maintain the sewer system,

NOW, THEREFORE BE IT ORDAINED BY THE BOARD OF COMMISSIONERS OF THE CITY OF TENNESSEE RIDGE AS FOLLOWS:

SECTION ONE: That the following water and sewer rate schedule be and is hereby adopted for the City's water customers:

	<u>From</u>	<u>To</u>
Residential Inside	20.41	21.41
Per Thousand after minimum	5.03	5.03
Residential Outside	26.05	27.30
Per Thousand after minimum	6.27	6.27
Commercial Inside	44.56	45.56
Per Thousand after minimum	5.51	5.51
Commercial Outside	62.04	63.29
Per Thousand after minimum	7.11	7.11
Sewer Residential	21.14	22.14
Per Thousand after minimum	3.34	3.34
Sewer Commercial	38.41	39.41
Per Thousand after minimum	3.85	3.85

Section Two: That the minimum for residential users is 1,500 gallons and the

minimum for commercial users is 15,000 gallons. After minimum gallons are used the cost of water and sewer will be at the per thousand amount.

Section Three: Any customer, whether inside or outside of the city limits of the City of Tennessee Ridge, connected to the water system shall be charged a minimum bill each month regardless of whether there was any water usage or not; as the minimum is based on Zero gallons to 1,500 gallons.

Section Four: That a ¾ inch water tap will cost \$750.00 and a 1" water tap will cost \$900.00. Road bores will cost \$750.00. A sewer tap will cost \$750.00.

Section Five: Any customer that has not paid their bill by the 25th of the month will be cut off and will not be turned back on until the bill is paid with an additional \$40.00 reconnect fee during working hours; and a reconnect fee of \$75.00 if paid after hours. If the 25th falls on the weekend or a holiday, the cut off date will be the next business day.

Section Six: That the returned check fee will be \$30.00 on all returned checks and \$35.00 on all returned drafts.

Section Seven: There will be a \$10.00 transfer fee added to transfer service from one service address to another service address.

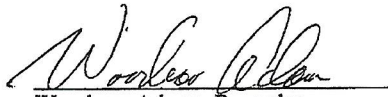
Section Eight: That all resolutions and ordinances of the City of Tennessee Ridge, which are in conflict with this ordinance, shall be and are hereby repealed insofar as they conflict.

Section Nine: Water Bills may be adjusted after 25,000 gallons for residential and 100,000 for commercial, after it had been determined that the usage was caused by a leak and the leak has been confirmed to have been repaired. The adjustment formula is

as follows: deduct previous month's usage from the verified leak usage, multiply the sum by the determined charge to be the adjusted water rate amount, add tax to the water charge, add previous month's bill to the adjusted amount. Sewer adjustments will be adjusted by averaging the last three months after it has been determined that the water did not go into the sewer system.

Section Ten: That this ordinance shall take effect upon its final passage and adoption, the public welfare requiring it.


Stony Odom, Mayor


Woodrow Adams, Recorder

PASSED FIRST READING: May 1, 2017

PASSED SECOND READING: June 5, 2017

ORDINANCE #2014-169

AN ORDINANCE TO ADOPT WATER AND SEWER RATES
FOR THE CITY OF TENNESSEE RIDGE

WHEREAS: the City of Tennessee Ridge is empowered by its charter to establish water and sewer rates by appropriate ordinance or resolution; and

WHEREAS: the Board of Commissioners of the City of Tennessee Ridge has determined that it is necessary to establish a new rate for water and sewer due to the rising costs to produce potable water, and maintain the sewer system,

NOW, THEREFORE BE IT ORDAINED BY THE BOARD OF COMMISSIONERS OF THE CITY OF TENNESSEE RIDGE AS FOLLOWS:

SECTION ONE: That the following water and sewer rate schedule be and is hereby adopted for the City's water customers:

	<u>From</u>	<u>To</u>
Residential Inside	17.75	20.41
Per Thousand after minimum	4.37	5.03
Residential Outside	22.65	26.05
Per Thousand after minimum	5.45	6.27
Commercial Inside	38.75	44.56
Per Thousand after minimum	4.79	5.51
Commercial Outside	53.95	62.04
Per Thousand after minimum	6.18	7.11
Sewer Residential	18.38	21.14
Per Thousand after minimum	2.90	3.34
Sewer Commercial	33.40	38.41
Per Thousand after minimum	3.35	3.85

Section Two: That the minimum for residential users is 1,500 gallons and the

minimum for commercial users is 15,000 gallons. After minimum gallons are used the cost of water and sewer will be at the per thousand amount.

Section Three: Any customer, whether inside or outside of the city limits of the City of Tennessee Ridge, connected to the water system shall be charged a minimum bill each month regardless of whether there was any water usage or not; as the minimum is based on Zero gallons to 1,500 gallons.

Section Four: That a ¾ inch water tap will cost \$750.00 and a 1" water tap will cost \$900.00. Road bores will cost \$750.00. A sewer tap will cost \$750.00.

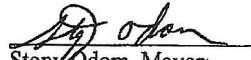
Section Five: Any customer that has not paid their bill by the 25th of the month will be cut off and will not be turned back on until the bill is paid with an additional \$40.00 reconnect fee during working hours; and a reconnect fee of \$75.00 if paid after hours. If the 25th falls on the weekend or a holiday, the cut off date will be the next business day.

Section Six: That the returned check fee will be \$30.00 on all returned checks and \$30.00 on all returned drafts.

Section Seven: There will be a \$10.00 transfer fee added to transfer service from one service address to another service address.

Section Eight: That all resolutions and ordinances of the City of Tennessee Ridge, which are in conflict with this ordinance, shall be and are hereby repealed insofar as they conflict.

Section Nine: That this ordinance shall take effect upon its final passage and adoption, the public welfare requiring it.


Stony Odom, Mayor


Woodrow Adams, Recorder

PASSED FIRST READING: 05-05-2014

PASSED SECOND READING: 06-12-2014

ORDINANCE #2021-243

AN ORDINANCE TO ADOPT WATER AND SEWER RATES
FOR THE CITY OF TENNESSEE RIDGE

WHEREAS: the City of Tennessee Ridge is empowered by its charter to establish water and sewer rates by appropriate ordinance or resolution; and

WHEREAS: the Board of Commissioners of the City of Tennessee Ridge has determined that it is necessary to establish a new rate for water and sewer due to the rising costs to produce potable water, and maintain the sewer system,

NOW, THEREFORE BE IT ORDAINED BY THE BOARD OF COMMISSIONERS OF THE CITY OF TENNESSEE RIDGE AS FOLLOWS:

SECTION ONE: That the following water and sewer rate schedule be and is hereby adopted for the City's water and sewer customers:

	<u>From</u>	<u>To</u>
Residential Inside	22.41	28.30
Sewer Residential Inside	23.14	29.23
Sewer Residential Outside	23.14	29.23
Sewer Commercial	40.41	51.04

Section Two: That all resolutions and ordinances that are in conflict with the provision of this ordinance is hereby amended.

Stony Odom, Mayor

Leslie Rucker, Interim City Recorder

Passed First Reading: _____
Passed Second Reading: _____

TENNESSEE ASSOCIATION OF UTILITY DISTRICTS

Phone: (615) 896-9022
Fax: (615) 898-8283
Web: www.taud.org



Post Office Box 2529
Murfreesboro, TN 37133-2529

340 Commercial Court
Murfreesboro, TN 37129

Engagement Letter – Request for Rate Study

August 26, 2020

Town of Tennessee Ridge, Tennessee
P.O. Box 207
Tennessee Ridge, TN 37178

The Town of Tennessee Ridge, Tennessee has requested that the Tennessee Association of Utility Districts (TAUD) perform a review of the Town's current rates and conduct a rate study to ensure that the Town's water and sewer rates are sufficient to make the Town's water and sewer fund self-supporting as required by T.C.A. § 7-34-115.

To conduct the rate study, TAUD will undertake the following tasks:

- (1) Determine the Town's revenue requirements for its water and sewer system for a test year based upon its historical operations, current fiscal year revenues and expenses, and any known and anticipated changes in revenues and expenses during the test year.
- (2) Project the amount of revenue the Town will receive under its existing rate structure to determine the additional amount of revenue needed to meet its annual revenue requirements for its water and sewer system for the test year and for a three-year projection period thereafter.
- (3) Recommend rate changes which the Town can adopt to meet its annual revenue requirements.
- (4) Review rates other monthly service rates and recommend any changes to such rates.
- (5) TAUD will assist the Town in creating a five-year capital improvements plan for its water and sewer system. The plan will include the funding of the capital improvements identified in the plan. The funding for the plan will be incorporated in the revenue requirements for the Town's water and sewer system.

(6) TAUD will discuss the establishment cash reserves for the Town's water and sewer fund.

(7) TAUD will review the capitalization policy, including any recommended modifications

TAUD will not charge for its services to perform the rate study. If TAUD representatives travel to the Town in connection with the rate study, the Town agrees to reimburse TAUD for mileage at the IRS mileage reimbursement rate in effect at the time of travel. When the provision of the services requires overnight travel, the Town will reimburse TAUD at the per diem rates for lodging and meals and incidental expenses set forth in IRS Publication 1542. Any travel requiring an overnight stay must be approved by the Town in advance.

The first step in performing the rate study will be the submission to the Town of an information request from TAUD to get information to begin the rate study. The accuracy and date of completion of the rate study will depend upon the completeness and timeliness of the initial information requests and follow up requests submitted to the Town.

If the Town is referred to the Water and Wastewater Financing Board (WWFB) after the date of this letter, please let TAUD know. Directives and deadlines in an order of WWFB may change the scope and timing of the rate study.

TAUD looks forward to working with the Town on the rate study.

Sincerely,



Bob Freudenthal

Acknowledged and Accepted by the Town of Tennessee Ridge, Tennessee:



Signature

9-2-2020

Date




Title

Section Two: That all resolutions and ordinances that are in conflict with the provisions of this ordinance are hereby amended.



Stony Odom, Mayor



Leslie Rucker, Interim City Recorder

Passed First Reading: 03-02-2020
Passed Second Reading: 04-06-2020

ORDINANCE #2020-228

AN ORDINANCE TO ADOPT WATER TAP FEES, SEWER TAP FEES,
ROAD BORE FEES AND ROAD CUT FEES
FOR THE CITY OF TENNESSEE RIDGE

WHEREAS: the City of Tennessee Ridge is empowered by its charter to establish water tap fees, sewer tap fees, road bore fees and road cut fees by appropriate ordinance or resolution; and

WHEREAS: the Board of Commissioners of the City of Tennessee Ridge has determined that it is necessary to establish a new fee for ¾ inch water tap, 1(one) inch water tap, sewer tap, road bore fee and road cut fee due to the rising costs to make such taps, road bores and road cuts,

**NOW, THEREFORE BE IT ORDAINED BY THE BOARD OF
COMMISSIONERS OF THE CITY OF TENNESSEE RIDGE AS FOLLOWS:**

Section One: That the following fees be and is hereby adopted for the City's water customers to be effective July 1, 2020:

	<u>From</u>	<u>To</u>
¾ inch Water Tap Fee	750.00	1300.00
1inch Water Tap Fee	900.00	1450.00
Sewer Tap Fee	750.00	1300.00
Road Bore Fee	750.00	1300.00
Road Cut Fee	525.00	1075.00

Copy

ORDINANCE NO. 2011-127

**AN ORDINANCE ESTABLISHING A DEBT POLICY
FOR THE CITY OF TENNESSEE RIDGE**

WHEREAS, the Tennessee State Funding Board adopted a statement on debt management directing governmental entities in Tennessee to draft and adopt their own debt management policies no later than December 31, 2011; and

WHEREAS, the Board of Commissioners desires to establish a debt policy as follows:

CITY OF TENNESSEE RIDGE DEBT POLICY

The purpose of this debt policy is to establish a set of parameters by which debt obligations will be undertaken by the City of Tennessee Ridge, Tennessee. This policy reinforces the commitment of the City and its officials to manage the financial affairs of the City so as to minimize risks, avoid conflicts of interest and ensure transparency while still meeting the capital needs of the City. A debt management policy signals to the public and the rating agencies that the City is using a disciplined and defined approach to financing capital needs and fulfills the requirements of the State of Tennessee regarding the adoption of a debt management policy.

The goal of this policy is to assist decision makers in planning, issuing and managing debt obligations by providing clear direction as to the steps, substance and outcomes desired. In addition, greater stability over the long-term will be generated by the use of consistent guidelines in issuing debt.

Definition of Debt: All obligations of the City to repay, with or without interest, in installments and/or at a later date, some amount of money utilized for the purchase, construction, or operation of City resources. This includes but is not limited to notes, bond issues, capital leases, and loans of any type whether from an outside source such as a bank or from another internal fund.

Approval of Debt: Bond anticipation notes, capital outlay notes,

grant anticipation notes, and tax and revenue anticipation notes will be submitted to the State of Tennessee Comptroller's Office and the City Board of Commissioners prior to issuance or entering into the obligation. A plan for refunding debt issues will also be submitted to the Comptroller's Office prior to issuance. Capital or equipment leases may be entered into by the City Board of Commissioners; however, details on the lease agreement will be forwarded to the Comptroller's Office on the specified form within 45 days.

Transparency:

- **The City shall comply with legal requirements for notice and for public meetings related to debt issuance.**
- **All notices shall be posted in the customary and required posting locations, including as required local newspapers, bulletin boards, and websites.**
- **All costs (including principal, interest, issuance, continuing, and one-time) shall be clearly presented and disclosed to the citizens, City Board of Commissioners, and other stakeholders in a timely manner.**
- **The terms and life of each debt issue shall be clearly presented and disclosed to the citizens/members, City Board of Commissioners, and other stakeholders in a timely manner.**
- **A debt service schedule outlining the rate of retirement for the principal amount shall be clearly presented and disclosed to the citizens/members, City Board of Commissioners, and other stakeholders in a timely manner.**

Role of Debt:

- Long-term debt shall not be used to finance current operations. Long-term debt may be used for capital purchases or construction identified through the capital improvement, regional development, transportation, or master process or plan. Short-term debt may be used for certain projects and equipment financing as well as for operational borrowing; however, the City will minimize the use of short-term cash flow borrowings by maintaining adequate working capital and close budget management.
- In accordance with Generally Accepted Accounting Principles and state law,

1. The maturity of the underlying debt will not be more than the useful life of the assets purchased or built with the debt, not to exceed 30 years; however, an exception may be made with respect to federally sponsored loans, provided such an exception is consistent with law and accepted practices.

2. Debt issued for operating expenses must be repaid within the same fiscal year of issuance or incurrence.

Types and Limits of Debt:

- The City will seek to limit total outstanding debt obligations to ten percent (10%) of total property tax assessments, excluding overlapping debt, enterprise debt, and revenue debt.
- The limitation on total outstanding debt must be reviewed prior to the issuance of any new debt.
- The City's total outstanding debt obligation will be monitored and reported to the City Board of Commissioners by the Finance Director at least once per year by May 31. The Finance Director shall monitor the maturities and terms and conditions of all obligations to ensure compliance. The Finance Director shall also report to the City Board of Commissioners any matter that adversely affects the credit or financial integrity of the City.
- The City has issued capital outlay notes and revenue bonds in the past and is authorized to issue General Obligation bonds, Revenue bonds, TIFs, loans, notes and other debt allowed by law.
- The City will seek to structure debt with *level or declining* debt service payments over the life of each individual bond issue or loan.
- As a rule, the City will not backload, use "wrap-around" techniques, balloon payments or other exotic formats to pursue *the financing of* projects. When refunding opportunities, natural disasters, other non-general fund revenues, or other external factors occur, the City may utilize non-level debt methods. However, the use of such methods must be thoroughly discussed in a public meeting and the mayor and governing body must determine such use is justified and in the best interest of the city.
- The City may use capital leases to finance short-term projects.
- Bonds backed with a general obligations pledge often have lower interest rates than revenue bonds. The City may use its General Obligation pledge with revenue bond issues when the populations served by the revenue bond projects overlap or significantly are the

same as the property tax base of the City. The City Board of Commissioners and management are committed to maintaining rates and fee structures of revenue supported debt at levels that will not require a subsidy from the City's General Fund.

Use of Variable Rate Debt:

- The City recognizes the value of variable rate debt obligations and that cities have greatly benefitted from the use of variable rate debt in the financing of needed infrastructure and capital improvements.
- However, the City also recognizes there are inherent risks associated with the use of variable rate debt and will implement steps to mitigate these risks; including:
 1. The City will annually include in its budget an interest rate assumption for any outstanding variable rate debt that takes market fluctuations affecting the rate of interest into consideration.
 2. Prior to entering into any variable rate debt obligation that is backed by insurance and secured by a liquidity provider, the City Board of Commissioners shall be informed of the potential affect on rates as well as any additional costs that might be incurred should the insurance fail.
 3. Prior to entering into any variable rate debt obligation that is backed by a letter of credit provider, the City Board of Commissioners shall be informed of the potential affect on rates as well as any additional costs that might be incurred should the letter of credit fail.
 4. Prior to entering into any variable rate debt obligation, the City Board of Commissioners will be informed of any terms, conditions, fees, or other costs associated with the prepayment of variable rate debt obligations.
 5. The City shall consult with persons familiar with the arbitrage rules to determine applicability, legal responsibility, and potential consequences associated with any variable rate debt obligation.

Use of Derivatives:

- The City chooses not to use derivative or other exotic financial structures in the management of the City's debt portfolio.

- Prior to any reversal of this provision:
 1. A written management report outlining the potential benefits and consequences of utilizing these structures must be submitted to the City Board of Commissioners; and
 2. The City Board of Commissioners must adopt a specific amendment to this policy concerning the use of derivatives or interest rate agreements that complies with the State Funding Board Guidelines.

Costs of Debt:

- All costs associated with the initial issuance or incurrence of debt, management and repayment of debt (including interest, principal, and fees or charges) shall be disclosed prior to action by the City Board of Commissioners in accordance with the notice requirements stated above.
- In cases of variable interest or non-specified costs, detailed explanation of the assumptions shall be provided along with the complete estimate of total costs anticipated to be incurred as part of the debt issue.
- Costs related to the repayment of debt, including liabilities for future years, shall be provided in context of the annual budgets from which such payments will be funded (i.e. General Obligations bonds in context of the General Fund, Revenue bonds in context of the dedicated revenue stream and related expenditures, loans and notes).

Refinancing Outstanding Debt:

- The City will refund debt when it is in the best financial interest of the City to do so, and the Chief Financial Officer shall have the responsibility to analyze outstanding bond issues for refunding opportunities. The decision to refinance must be explicitly approved by the governing body, and all plans for current or advance refunding of debt must be in compliance with state laws and regulations.
- The Chief Financial Officer will consider the following issues when analyzing possible refunding opportunities:

1. Onerous Restrictions – Debt may be refinanced to eliminate onerous or restrictive covenants contained in existing debt documents, or to take advantage of changing financial conditions or interest rates.
2. Restructuring for Economic Purposes – The City will refund debt when it is in the best financial interest of the City to do so. Such refunding may include restructuring to meet unanticipated revenue expectations, achieve cost savings, mitigate irregular debt service payments, or to release reserve funds. Current refunding opportunities may be considered by the Chief Financial Officer if the refunding generates positive present value savings, and the Chief Financial Officer must establish a minimum present value savings threshold for any refinancing.
3. Term of Refunding Issues – The City will refund bonds within the term of the originally issued debt. However, the Chief Financial Officer may consider maturity extension, when necessary to achieve a desired outcome, provided such extension is legally permissible. The Chief Financial Officer may also consider shortening the term of the originally issued debt to realize greater savings. The remaining useful life of the financed facility and the concept of inter-generational equity should guide this decision.
4. Escrow Structuring – The City shall utilize the least costly securities available in structuring refunding escrows. Under no circumstances shall an underwriter, agent or financial advisor sell escrow securities to the City from its own account.
5. Arbitrage – The City shall consult with persons familiar with the arbitrage rules to determine applicability, legal responsibility, and potential consequences associated with any refunding.

Professional Services:

The City shall require all professionals engaged in the process of issuing debt to clearly disclose all compensation and consideration received related to services provided in the debt issuance process by both the City and the lender or conduit issuer, if any. This includes “soft” costs or compensations in lieu of direct payments.

- **Counsel:** The City shall enter into an engagement letter agreement with each lawyer or law firm representing the City in a debt transaction.
- **Financial Advisor:** The City shall enter into a written agreement with each person or firm serving as financial advisor in debt management and transactions.
 1. In a competitive sale, the financial advisor shall not be permitted to bid on an issue for which they are or have been providing advisory services.
 2. In a publicly offered, negotiated sale, the financial advisor:
 - shall not be permitted to resign as financial advisor in order to underwrite an issue for which they are or have been providing advisory services;
- **Underwriter:** In advance of pricing of the debt in a publicly offered, negotiated sale, the underwriter must provide pricing information both as to interest rates and to takedown per maturity to the City Board of Commissioners.

Conflicts:

- Professionals involved in a debt transaction hired or compensated by the City shall be required to disclose to the City existing client and business relationships between and among the professionals to a transaction (including but not limited to financial advisor, swap advisor, bond counsel, swap counsel, trustee, paying agent, liquidity or credit enhancement provider, underwriter, counterparty, and remarketing agent), as well as conduit issuers, sponsoring organizations and program administrators. This disclosure shall include that information reasonably sufficient to allow the City to appreciate the significance of the relationships.
- Professionals who become involved in the debt transaction as a result of a bid submitted in a widely and publicly advertised competitive sale conducted using an industry standard, electronic bidding platform are not subject to this disclosure. No disclosure is required that would violate any rule or regulation of professional conduct.

Review of Policy:

This policy shall be reviewed at least annually by the City Board of Commissioners with the approval of the annual budget. Any

amendments shall be considered and approved in the same process as the initial adoption of this Policy, with opportunity for public input.

Compliance:

The Financial Director is responsible for ensuring compliance with this policy.

TCA References: TCA 7, Part 9 – Contracts, Leases, and Lease Purchase Agreements
TCA 9, Part 21 – Local Government Public Obligations Law

NOW, THEREFORE, BE IT ORDAINED BY THE CITY OF TENNESSEE RIDGE AS FOLLOWS:

That the Debt Management Policy as set forth be adopted.

This Ordinance shall take effect upon passage, the public welfare requiring it.

BOARD OF COMMISSIONERS

BY: 
MAYOR

ATTEST:


CITY RECORDER

PASSED FIRST READING: Sept 6, 2011

PASSED SECOND READING: Oct 3, 2011

ORDINANCE NO. 2012-143

**AN ORDINANCE TO AMEND THE DEBT POLICY
FOR THE CITY OF TENNESSEE RIDGE**

WHEREAS, the Board of Commissioners did adopt a Debt Policy by Ordinance No. 2011-127; and

WHEREAS, the section concerning limits of debt states as follows:

"Types and Limits of Debt:

- The City will seek to limit total outstanding debt obligations to ten percent (10%) of total property tax assessments, excluding overlapping debt, enterprise debt, and revenue debt. " ; and

WHEREAS, it was intended that total outstanding debt obligations be limited to ten percent (10%) of the total assessed value of property within the City and the Board wishes to correct the language to more clearly reflect the intent.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF COMMISSIONERS OF THE CITY OF TENNESSEE RIDGE that the Debt Policy as set forth in Ordinance No. 2011-127 be amended to replace the above stated language with the following:

Types and Limits of Debt:

- The City will seek to limit total outstanding debt obligations to ten percent (10%) of the total assessed value of property assessed for tax purposes within the City, excluding overlapping debt, enterprise debt, and revenue debt.

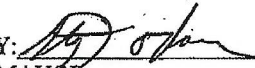
The Debt Policy shall remain otherwise unchanged.

This Ordinance shall take effect upon passage, the public welfare requiring it.




CITY RECORDER

BOARD OF COMMISSIONERS

BY: 
MAYOR

PASSED FIRST READING: September 4, 2012

PASSED SECOND READING: October 1, 2012

CITY OF TENNESSEE RIDGE

RESOLUTION NUMBER 2004-16

A RESOLUTION TO ESTABLISH THE
THRESHOLD FOR CAPITALIZATION

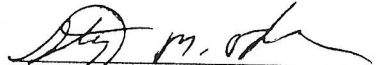
WHEREAS, this resolution establishes a threshold for capitalization expenditures in accordance with generally accepted accounting principals; and


WHEREAS, the City needs to establish a different threshold for each asset class in order to maintain effective managerial control; and

NOW, THEREFORE, BE IT RESOLVED that these dollar levels shall determine the thresholds that apply to these asset classes:

LAND.....	\$1.00
BUILDINGS.....	\$10,000.00
IMPROVEMENTS OTHER THAN BLDGS....	\$5,000.00
EQUIPMENT.....	\$2,500.00
INFRASTRUCTURE.....	\$10,000.00
CONSTRUCTION IN PROGRESS.....	Tied to Asset Class

This resolution shall take effect immediately upon its passage.


Stony Odom, Mayor


Woodrow Adams, City Recorder

Passed: 8-2-04

GL Balance Sheet
 Period Ending 6/30/2021

CITY OF TENNESSEE RIDGE

3/19/2021 11:00 AM

Page 1/1

30 Water & Sewer		
Asset		
30-100-00 Cash on Hand		\$200.00
30-101-00 Cash in Bank		\$1,052,158.63
30-102-00 LGIP Investemt		\$296,526.54
30-103-00 Inventory		\$4,620.25
30-121-00 Investments Bond & Int		\$6,079.11
30-132-00 Accts Receivable/Customer		\$19,118.84
30-132-01 Customer Allowance		-\$18,412.35
30-136-00 Due From General Fund		\$14,714.40
30-160-00 Plant		\$6,677,525.63
30-161-00 Construction In Progress		\$20,025.00
30-162-00 Allowance for Depreciatio		-\$3,942,683.81
	Total	\$4,129,872.24
Liability		
30-219-00 Customer Deposits		\$70,993.12
30-220-00 Utility Billing PrePayments		\$4,002.96
30-234-00 Bond Payable/Rural Development		\$147,689.27
30-235-00 Bonds Payable/rdA2009		\$77,251.92
30-236-00 2009 TMBF Bond Payable		\$286,018.00
30-251-00 Contribution/Capital Gran		\$2,568,602.53
30-252-00 Other Contributions		\$89,688.00
30-253-00 Amorization of Cap Grants		-\$920,912.72
30-299-00 Fund Balance		\$1,767,068.88
Current Fund Balance Adjustment		\$39,470.28
	Total	\$4,129,872.24
30 Water & Sewer	Liability Total	\$8,259,744.48

ROSTER OF ELECTED OFFICIALS

		APPOINTMENT OR ELECTION	TERM EXPIRATIC
STONY ODOM	MAYOR	August-20	SEPTMEBER 2024
RAY BRADLEY	VICE-MAYOR	August-20	SEPTEMBER 2024
BRYAN BUMPUS	COMMISSIONER	August-20	SEPTEMBER 2024
DARRELL ALLISON	COMMISSIONER	September-20	SEPTEMBER 2022
TRENTON HEARNDON	COMMISSIONER	August-18	SEPTEMBER 2022

Stony Odom
295 Lakeview Circle
Tennessee Ridge TN 37178
931-721-6477

Ray Bradley
160 Peachtree Street
Tennessee Ridge TN 37178
931-721-6147

Bryan Bumpus
P O Box 142
Tennessee Ridge TN 37178
931-721-2458

Darrell Allison
265 Sara Acres
Tennessee Ridge TN 37178
931-721-7371

Trenton Hearndon
279 Hwy 49
Tennessee Ridge TN 37178
931-622-4605

CITY OF TENNESSEE RIDGE

Question #10

Rate Code	Rate Description	Count
SC	SEWER COM.	8
SRIN	SEWER RES. IN	175
SROU	SEWER RES. OUT	9
WCIN	WATER COM. IN	12
WCOT	WATER COM. OUT	4
WRIN	WATER RES. IN	594
WROT	WATER RES OUT	590

Total Count: 1392

Question #11 + 12

Consumption Total	Service Name	Trans Month	Trans Year
708,130	SEWER	7	2020
4,182,898	WATER	7	2020
740,933	SEWER	8	2020
4,536,307	WATER	8	2020
648,297	SEWER	9	2020
3,826,483	WATER	9	2020
748,560	SEWER	10	2020
3,889,050	WATER	10	2020
671,740	SEWER	11	2020
3,511,850	WATER	11	2020
618,240	SEWER	12	2020
3,339,500	WATER	12	2020
876,280	SEWER	1	2021
4,095,000	WATER	1	2021
1,008,200	SEWER	2	2021
4,670,490	WATER	2	2021
38,071,958			

Top Ten Customers By Revenue

(For Each Selected Service)

CITY OF TENNESSEE
RIDGE

Page 1 of 1

03/02/2021 8:15 PM

Question #11 + 12

Service: SEWER

Amount	Account Num	Customer Name	Gallons
\$271.10	003-0000350-1	BILLY PAXTON	504,300
\$251.63	004-0000581-1	WILLIAM GREEN	139,820
\$212.73	003-0000350-1	BILLY PAXTON	504,300
\$187.55	003-0000350-1	BILLY PAXTON	504,300
\$169.33	002-0000103-1	DAWN NEAL	45,270
\$167.46	003-0000350-1	BILLY PAXTON	504,300
\$164.95	003-0000238-1	STEVE HALL	47,350
\$164.49	003-0000350-1	BILLY PAXTON	504,300
\$161.14	003-0000350-1	BILLY PAXTON	504,300
\$137.16	003-0000350-1	BILLY PAXTON	504,300

Service: WATER

Amount	Account Num	Customer Name	Gallons
\$627.09	003-0000747-1	TOMMIE / TERESA MITCHELL	0
\$562.63	050-0000471-1	NEIL BAGGETT	78,750
\$480.04	002-0000180-1	RONALD STRICKLAND	0
\$424.25	050-0000081-2	ROBERT CORDIN	58,640
\$413.44	003-0000350-1	BILLY PAXTON	504,300
\$402.24	004-0000581-1	WILLIAM GREEN	139,820
\$336.27	001-0000727-1	MARK / REBECCA TURNEY	0
\$321.77	003-0000350-1	BILLY PAXTON	504,300
\$317.06	002-0000096-1	RANDY HOUSTON	54,480
\$315.28	001-0000257-1	PAUL ODOM	0

TOWN OF TENNESSEE RIDGE, TENNESSEE
OTHER SUPPLEMENTARY INFORMATION (CONT'D)
(UNAUDITED)
JUNE 30, 2020

5. SCHEDULE FOR UNACCOUNTED FOR WATER

AWWA Free Water Audit Software: Reporting Worksheet

Water Audit Report for: **Tennessee Ridge Water System (0000698)**
Reporting Year: **2020** **7/2019 - 6/2020**

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades.

All volumes to be entered as: MILLION GALLONS (US) PER YEAR

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below it.

WATER SUPPLIED

<p style="text-align: center;">← Enter grading in column 'E' and 'J' →</p> <p>Volume from own sources: <input type="text" value="9"/> <input type="text" value="75.846"/> M G/Yr</p> <p>Water imported: <input type="text" value="9"/> <input type="text" value="3.649"/> M G/Yr</p> <p>Water exported: <input type="text" value="n/a"/> <input type="text" value="0.000"/> M G/Yr</p>	<p style="text-align: center;">Master Meter and Supply Error Adjustments</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Pcnt</td> <td style="width: 20%;">Value:</td> <td style="width: 60%;"></td> </tr> <tr> <td><input type="text" value="7"/></td> <td><input type="text" value="0.60%"/></td> <td><input type="text" value="J1"/></td> </tr> <tr> <td><input type="text" value="7"/></td> <td><input type="text" value="2.72%"/></td> <td><input type="text" value="J1"/></td> </tr> <tr> <td><input type="text" value="7"/></td> <td><input type="text" value=""/></td> <td><input type="text" value="J1"/></td> </tr> </table> <p>Enter negative % or value for under-registration Enter positive % or value for over-registration</p>	Pcnt	Value:		<input type="text" value="7"/>	<input type="text" value="0.60%"/>	<input type="text" value="J1"/>	<input type="text" value="7"/>	<input type="text" value="2.72%"/>	<input type="text" value="J1"/>	<input type="text" value="7"/>	<input type="text" value=""/>	<input type="text" value="J1"/>
Pcnt	Value:												
<input type="text" value="7"/>	<input type="text" value="0.60%"/>	<input type="text" value="J1"/>											
<input type="text" value="7"/>	<input type="text" value="2.72%"/>	<input type="text" value="J1"/>											
<input type="text" value="7"/>	<input type="text" value=""/>	<input type="text" value="J1"/>											

WATER SUPPLIED: 78.946 M G/Yr

AUTHORIZED CONSUMPTION

<p>Billed metered: <input type="text" value="9"/> <input type="text" value="47.260"/> M G/Yr</p> <p>Billed unmetered: <input type="text" value="n/a"/> <input type="text" value="0.000"/> M G/Yr</p> <p>Unbilled metered: <input type="text" value="9"/> <input type="text" value="0.004"/> M G/Yr</p> <p>Unbilled unmetered: <input type="text" value="7"/> <input type="text" value="1.995"/> M G/Yr</p> <p>Unbilled Unmetered volume entered is greater than the recommended default value</p>	<p>Click here: <input type="text" value="7"/> for help using option buttons below</p> <p>Pcnt: <input type="text" value="1.995"/> Value: <input type="text" value=""/></p> <p>Use buttons to select percentage of water supplied OR value</p> <p>Pcnt: <input type="text" value="0.25%"/> Value: <input type="text" value=""/></p> <p><input type="text" value="1.00%"/> <input type="text" value=""/></p> <p><input type="text" value="0.25%"/> <input type="text" value=""/></p>
---	--

AUTHORIZED CONSUMPTION: 49.269 M G/Yr

WATER LOSSES (Water Supplied - Authorized Consumption)

29.687 M G/Yr

Apparent Losses

Unauthorized consumption: M G/Yr

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies: M G/Yr

Systematic data handling errors: M G/Yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: M G/Yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses: M G/Yr

WATER LOSSES: 29.687 M G/Yr

NON-REVENUE WATER

NON-REVENUE WATER: M G/Yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains: miles

Number of active AND inactive service connections:

Service connection density: conn./mile main

Are customer meters typically located at the curbstop or property line? (length of service line, beyond the property boundary, that is the responsibility of the Utility)

Average length of customer service line

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: psi

COST DATA

Total annual cost of operating water system: \$/Year

Customer retail unit cost (applied to Apparent Losses): \$/1000 gallons (US)

Variable production cost (applied to Real Losses): \$/Million gallons Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

***** YOUR SCORE IS: 84 out of 100 *****

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Unauthorized consumption
- 3: Systematic data handling errors

SEE AUDITOR'S REPORT.

TOWN OF TENNESSEE RIDGE, TENNESSEE
 OTHER SUPPLEMENTARY INFORMATION (CONT'D)
 (UNAUDITED)
 JUNE 30, 2020

5. SCHEDULE FOR UNACCOUNTED FOR WATER (CONT'D)

AWWA Free Water Audit Software: System Attributes and Performance Indicators		AWA 5.0.0 Copyright © 2010 by American Water Works Association
Water Audit Report for: Tennessee Ridge Water System (0000698)		
Reporting Year: 2020 7/2019 - 6/2020		
*** YOUR WATER AUDIT DATA VALIDITY SCORE IS: 84 out of 100 ***		
System Attributes:		
	Apparent Losses:	0.793 MG/yr
	+ Real Losses:	28.894 MG/yr
	= Water Losses:	29.687 MG/yr
	Unavoidable Annual Real Losses (UARL):	15.06 MG/yr
	Annual cost of Apparent Losses:	\$9,927
	Annual cost of Real Losses:	\$18,570 Valued at Variable Production Cost
Return to Reporting Worksheet to change this assumption		
Performance Indicators:		
Financial:	Non-revenue water as percent by volume of Water Supplied:	40.1%
	Non-revenue water as percent by cost of operating system:	6.1% Real Losses valued at Variable Production Cost
Operational Efficiency:	Apparent Losses per service connection per day:	1.53 gallons/connection/day
	Real Losses per service connection per day:	N/A gallons/connection/day
	Real Losses per length of main per day*:	1,217.88 gallons/mile/day
	Real Losses per service connection per day per psi pressure:	N/A gallons/connection/day/psi
	From Above, Real Losses = Current Annual Real Losses (CARL):	28.89 million gallons/year
	Infrastructure Leakage Index (ILI) [CARL/UARL]:	1.92
* This performance indicator applies for systems with a low service connection density of less than 32 service connections/mile of pipeline		

SEE AUDITOR'S REPORT.

Section B: Wastewater Utility Information

1. Does your utility offer wastewater?
 - a. If yes, please complete the following section.
2. Have you had any rate changes in the previous five years?
 Yes or No (Circle your answer)
 - a. Please provide a copy of your current rate ordinance/structure and the justification for why the rates are set this way- including any recent rate studies performed for the utility.
 - b. Please provide a copy of previous rate ordinances/structures from the previous five years if you answered yes to Question #2.
 - c. If you have differing rate classes (inside/outside city limits, residential/commercial/industrial, new developments, etc.), please provide justification as to why these rates are set the way they are.
3. Do you have any current plans for a rate change?
 Yes or No (Circle your answer)
 - a. If yes, please provide a written answer to the following questions:
 - i. Are you planning for a rate increase or decrease?
 - ii. Are you planning this change across all customer classes or only on a certain customer class?
 - iii. Has your Board voted on this rate change yet?
 - iv. If your Board has discussed a rate change at recent meetings, please attach a copy of the relevant minutes at which this meeting took place.
4. Have you had any utility fee changes in the previous five years?
Yes or No (Circle your answer)
 - a. Please provide a copy of your current utility fee schedule.
 - b. Please provide a copy of previous utility fee schedules if you answered yes to Question #3.
 - c. Please provide a written rationale for the charges for tap fees, reconnect fees, etc.
5. Has your debt management policy been reviewed in the last 5 years?
Yes or No (Circle your answer)
 - a. Please provide a copy of your debt management policy. If you do not have a debt management policy, please provide a written rationale for why a debt management policy has not been adopted.
6. Has your capitalization policy been reviewed in the last 5 years?
Yes or No (Circle your answer)
 - a. Please provide a copy of your capitalization policy. If you do not have a capitalization policy, please provide a written rationale for why a capitalization policy has not been adopted.

7. Please provide the most recent 3 months of balance sheets and income statements for your utility.
 - a. If you are a water and wastewater utility and are having difficulty breaking out the accounts, please use percentages or estimate for accounts for the most accurate depiction of the financial status of the utility.
8. Do you have a plan to remedy your financially distressed position for your wastewater fund?

Yes or No (Circle your answer)

 - a. If yes, please provide a detailed copy.
 - b. If no, please provide a justification for why not.
9. Who has the authority to set rates and fees?

Answer:

-
- a. Is this a board or committee separate from your local legislative body? (City Council, Board of Mayor and Alderman, etc.)

Yes or No (Circle your answer)
 - b. Please provide a list containing the following information for the aforementioned individuals:
 - i. Name
 - ii. Title
 - iii. Mailing Address
 - iv. Phone Number
 - v. Date of Initial Election or Appointment
 - vi. Have they fulfilled their initial 12 hour training requirement within the first year of service, if applicable? Yes or No
 - vii. If so, please provide proof that the training requirement has been satisfied.

10. How many total customers do you currently have?

Answer:

-
- a. Please provide a numerical break-down of the totals for each type of customer:
 - i. Billed
 - ii. Unbilled
 - iii. Metered
 - iv. Unmetered
 - v. Breakdown by Rate Class (inside, outside, inside residential, inside commercial, outside residential, outside commercial, etc.)

11. What percentage of your sales do your largest 10 customers account for annually?
(Largest 10 Customer Revenues Total / Total Annual Wastewater Revenue)

Answer:

12. What percentage of your volume do you largest 10 customers account for annually?
(Wastewater Revenue for Largest 10 Customers / Total Wastewater Revenue)

Answer:

13. Do you adjust wastewater bills for customers with water leaks?

Yes or No (Circle your answer)

- a. If yes, how many leak adjustments were performed based on your leak adjustment policy in the last 12 months? What is the cost associated with these leaks?

Answer:

a. If yes, please attach a copy of your adjustment policy.

b. If no, please move on to the next question.

14. Have you incurred any new debt during the current fiscal year for your wastewater utility, or do you plan on incurring any debt during the current fiscal year for your water utility?

Yes or No (Circle your answer)

a. If yes, please provide a detailed explanation regarding the debt.

b. If no, please move on to the next question.

15. Have you received any grants or capital contributions during the current fiscal year for your wastewater utility, or do you plan on receiving any grants or capital contributions during the current fiscal year for your water utility?

Yes or No (Circle your answer)

a. If yes, please provide a detailed explanation regarding these grants or capital contributions.

b. If no, please move on to the following question.

16. Have you applied for any grants that will be received over the next two years?

Yes or No (Circle your answer)

a. If yes, please provide a detailed explanation regarding these potential grants.

b. If no, please move on to the following question.

17. Are your customers made aware of the rates and fees you have in place annually?

Yes or No (Circle your answer)

a. If yes, how is this accomplished?

b. If no, please provide a written justification as to why not.

18. Do you review your capital asset list?

Yes or No (Circle your answer)

a. If yes, how often is this list reviewed and by whom?

b. If no, please provide a written justification as to why not.

19. Do you keep a copy of your capital asset list on file?

Yes or No (Circle your answer)

20. Excluding any customers on wells, are **all** of your customers billed based on water usage?

Yes or No (Circle your answer)

a. If yes, who supplies the usage data, and are there multiple water suppliers for your customers?

Answer:

- b. If no, but **some** of your customers are billed based on water usage, then answer the above question regarding usage data, but also provide a written explanation on how these customers are billed that are not billed based on water usage.
- c. If no, and **none** of your customers are based on water usage, then provide a written explanation on how these customers are billed.

21. Do you have any customers on wells?

Yes or No (Circle your answer)

- a. If yes, how are these customers billed?

Answer:

-
- b. If no, please move on to the following question.

22. Do you have any wastewater customers you classify as wholesale?

Yes or No (Circle your answer)

- a. If yes, please provide the contract(s) with these customer(s) or a detailed explanation as to why a contract does not exist and the rate at which wastewater is treated for this customer?
- b. If no, please move on to the following question.

23. Do you treat your own wastewater?

Yes or No (Circle your answer)

- a. If yes, please provide the following:
 - i. Cost to treat per thousand gallons.
 - ii. The design capacity of your treatment facility and the percentage of the design capacity currently being used.
 - iii. The average operating capacity of your treatment facility.
- b. If no, please provide the following:
 - i. List of entities wastewater is treated by
 - ii. Rates at which wastewater is treated by entity
 - iii. Wastewater treatment contract with these entities, if no contract exists please give an explanation as to why there is no contract.

24. Do you have a plan to improve your infiltration and inflow (I&I)?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation as to how this will be improved along with your current I&I data.
- b. If no, please provide a detailed justification as to why the current I&I does not need to be improved along with your current I&I data.

25. Are there any environmental concerns currently or forthcoming that will put a financial burden on the system?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation as to what the concern or issue is and the extent of the financial burden that will be incurred.
- b. If no, please move on to the next question.

26. In regard to your governing body, how frequently do you meet and what is your practice of providing notice of your meetings?

Answer:

27. Do you have a sewer use ordinance?

Yes or No (Circle your answer)

- a. If yes, please provide a copy and description of how this is enforced.
- b. If no, please provide a justification for the lack thereof.

WASTEWATER ATTACHMENT LIST

Section C

Question #2 Ordinance#2014-169, 2017-194 2019-216 Section #1 Rate Schedule at present attached. We try to keep rates to cover costs so as not to burden customers. We are a small community. An Engagement Letter from TAUD is attached. We have contracted with them to do a rate study. The sewer rates are the same inside and outside.

Question #3 Ordinance#2021-243 This is the planned increase. Purposed increase the inside to match outside rates. The board voted on 3-1-21.

Question #4 Ordinance#2014-169, 2017-194 2019-216 Section #1

Question #5 Ordinance#2012-143 and 2011-127

Question #6 Ordinance#2004-16

Question #7 Have provided what our software system will let us.

Question #8 The result of I&I in our sewer system is the cause for the distressed position. We have already been approved for a loan and a grant to do rehab on the system. We are just waiting on Rural Development legal department to approve and purchase of land for flow meter.

Question #9 The Mayor and Board of Commissioners.

Question #10 See attached customer count.

Question #11 See attached

Question #12 See attached

Question #13 Ordinance#2019-216 Section 9- Leak adjustment attached

Question #14 We have not as of now; but do plan to get a loan for sewer rehab and water tank painting. No debt has been incurred as of the date of this submittal.

Question #15 This answer would be yes or no. Neither has been done as of yet; but we are not sure that it will be during this fiscal year.

Question #16 Grant from Rural Development for \$400,000

Question #17 They are discussed at meetings; but as for sending out notification; this is not done.

Question #18 Yes, by office personnel and outside auditors.

Question #20 Yes, supplied by the meter readers.

Question #24 We are planning a rehab project for sewer to try to fix I&I

Question #25 As stated before the result of I&I in our sewer system is the cause for the distressed position. We have already been approved for a loan and a grant to do rehab on the system. We are just waiting on Rural Development legal department to approve and purchase of land for flow meter. We do want to state that the loss we incurred during this past fiscal year was totally unexpected. The City of Erin moved their meter a mile down the road and then started sending us extremely high bills. We had no notification that this was going to be done; so, it threw us for a loop cost wise.

Question #26 The board meets once a month and the public is notified on water bills and city Facebook page and website.

Question #27 I have not found a sewer use ordinance; but I have attached our Wastewater Trunk and Treatment agreement with the City of Erin.

WASTEWATER TRUNK AND TREATMENT AGREEMENT

THIS AGREEMENT, made and entered into this 29th day of September, 1988, by and between the City of Erin, Tennessee and the City of Tennessee Ridge, Tennessee.

WITNESSETH

WHEREAS, ERIN owns and operates wastewater transmission facilities and has a Contract with the Stewart-Houston Industrial Park Board to operate, maintain, repair, and replace the Stewart-Houston Industrial Park wastewater treatment facility and TENNESSEE RIDGE is desirous of availing itself of the services of said facilities; and

WHEREAS, ERIN does not need all of the usable capacity of the Stewart-Houston Industrial Park wastewater treatment plant and it will be beneficial to Erin if Tennessee Ridge shares in the expense of operation of the wastewater treatment plan; and

WHEREAS, it will be advantageous to both Erin and Tennessee Ridge to process the Tennessee Ridge wastewater flow at cost; and

WHEREAS, TENNESSEE RIDGE has agreed to enter into this agreement provided that Erin will guarantee Tennessee Ridge wastewater treatment at cost.

NOW, THEREFORE, in consideration of the premises and of the covenants and agreements herein contained, the parties hereby agree as follows:

ARTICLE IDefinitions

Unless the context specifically indicates otherwise, the following words and phrases used in this Agreement shall have the following meanings:

1. "ERIN Facilities" shall mean those wastewater interceptor, pump stations and wastewater treatment facilities owned, operated, maintained

and/or contracted by the City of ERIN which serve any entity participating in the ERIN-TENNESSEE RIDGE 201 Facilities Plan, and such future additions and extensions thereto as may be made from time to time.

2. "TENNESSEE RIDGE System" shall mean the entire wastewater system including gravity sewers, manholes, laterals, pumping stations, force mains and appurtenances thereto upstream of the point of connection to the ERIN system.
3. "PARTICIPANT" shall mean those entities, other than the City of Erin, which are receiving sewerage service as part of the ERIN-TENNESSEE RIDGE 201 Facilities Plan.
4. "TENNESSEE RIDGE System Connections" shall mean all points where the TENNESSEE RIDGE system is physically attached to the ERIN Facilities for the purpose of delivering wastewater into the ERIN Facilities from the TENNESSEE RIDGE System.

ARTICLE II

Provisions Pertaining to Connection to the Erin Facilities

1. The CITY OF TENNESSEE RIDGE agrees to construct and properly maintain at its own cost and expense all sanitary sewers, lift stations, pumping stations, force mains and other required appurtenances thereto necessary to properly and continuously collect and convey sanitary wastewater to the point of connection to the ERIN Facilities.
2. TENNESSEE RIDGE shall furnish and install a wastewater metering device, housing, continuous recorder, and non-reset totalizer, accessories and appurtenances to be located at a point mutually agreeable to the parties. TENNESSEE RIDGE shall retain ownership of the metering device, together with the housing, accessories and appurtenances thereto. In the event the capacity of the metering device becomes insufficient for the amount of flow delivered, TENNESSEE RIDGE shall install such additional metering device, or devices, subject to the terms of this Article, as may be necessary. Said

3. TENNESSEE RIDGE agrees that if any waters or wastes are discharged into the ERIN Facilities which waters contain substances or possess characteristics contrary to the requirements of Erin Ordinance No. 396, and which in the judgment of ERIN may have a deleterious effect upon the wastewater works, processes, equipment, or receiving waters, or which otherwise create a hazard to health, life, limb, property, or constitutes a public nuisance, ERIN may upon reasonable notice to TENNESSEE RIDGE:
 - (a) Require pretreatment to an acceptable condition prior to discharge into the ERIN Facilities,
 - (b) Require control over the quantities and rates of discharge, and/or,
 - (c) Require payment to cover the added cost of handling and treating such wastes, as provided for in Erin Ordinance No. 396, as the same may be amended.
4. TENNESSEE RIDGE will adopt a Sewer Use Ordinance with the same as or more stringent pretreatment standards and requirements as Erin Ordinance No. 396, as amended, provided, however, that Tennessee Ridge may adopt such additional requirements as the City deems necessary. Erin and Tennessee Ridge will exercise its concurrent authority to compel Industrial Users located in the Tennessee Ridge service area that contribute wastewater to the Stewart-Houston Industrial Park Wastewater Treatment Plant to comply with all applicable Pretreatment Standard and Requirements by the procedures authorized in the Tennessee Ridge Sewer Use Ordinance. It is further provided that all rules and regulations pertaining to Industrial Users contributing wastewater to the Industrial Park Wastewater Treatment Plant shall be uniformly enforced. Tennessee Ridge shall have the right to review the pretreatment enforcement policy in effect at the Industrial Park Wastewater Plant and adopt same.
5. ERIN will not amend Erin Sewer Use Ordinance No. 396 without the concurrence of Tennessee Ridge except when ordered by the Tennessee Department of Public Health and Environment or the Environmental Protection Agency.

ARTICLE IV

Provisions for Sampling Wastewater Characteristics

1. TENNESSEE RIDGE agrees to include in the design of its wastewater delivery system a safe, convenient sampling station (a man hole with special lid) so that ERIN can obtain grab and composite sampling of wastewater as a means of monitoring the characteristics of the wastewater received from TENNESSEE RIDGE. TENNESSEE RIDGE agrees to provide for such right-of-way or easements as may be necessary to assure ERIN of access to the sampling station. The sampling station shall be located at the first manhole upstream from the metering device.
2. ERIN shall perform sampling to the extent and frequency which is deemed necessary and will do so at its own expense.

ARTICLE V

Provisions Pertaining to Annual Review of the Operations of the ERIN Facilities

1. ERIN shall provide wastewater transmission and wastewater treatment services to TENNESSEE RIDGE at fees, rates and charges constituting the full cost of such services, as set out in Article VII.
2. Reviews of the cost of providing wastewater transmission and wastewater treatment services shall be made at least annually. The fees, rates, and charges which will be effective to TENNESSEE RIDGE and other customers of the same class will be developed by ERIN following such review. In developing such fees, rates and other charges, the costs, provided for herein, and the anticipated changes in costs, will be the preliminary basis for establishing the fees, rates, and other charges. ERIN shall give TENNESSEE RIDGE at least ninety (90) days notice prior to the effective date of any changes in such fees, rates or other charges.

3. ERIN shall maintain accounting records for the ERIN Facilities. ERIN agrees to provide TENNESSEE RIDGE with a copy of the annual audit when received and the most recently adopted annual budget for the ERIN Facilities for review within sixty (60) days of adoption. ERIN agrees that such information shall be in sufficient detail to permit TENNESSEE RIDGE to ascertain the projected cost, as defined herein, of the ERIN Facilities, for computing the fees, rates and charges under the provisions of Article VII herein. Any discrepancy between payments made by TENNESSEE RIDGE and actual costs as computed under Article VII shall be corrected by cash payment within thirty (30) days after submission of the annual audit to TENNESSEE RIDGE. If the audit shows an overpayment, ERIN will give TENNESSEE RIDGE credit within thirty (30) days. Upon reasonable notice given by TENNESSEE RIDGE, ERIN will make available to TENNESSEE RIDGE at the ERIN offices, its books and records regarding operation, maintenance and repair of its wastewater transmission and wastewater treatment and effluent disposal facilities.
4. It is understood and agreed that ERIN has sole and exclusive authority and jurisdiction as to administration, operation and maintenance of the ERIN Facilities; establishing the annual budget, establishing, amending and maintaining service fees, rates and other charges and all other matters and things pertaining to said facilities.
5. ERIN will read the TENNESSEE RIDGE sewage flow meter monthly and compute the bill as provided in Article VII. If the flow meter malfunctions during the billing period, then the flow will be computed using the run time on the sewage pumps at the pumping station flowing directly into the ERIN System. If the flow comes into the Erin System by gravity, then the metering device installed shall be approved by ERIN and in the event of malfunction of the device, then the billing shall be calculated based on the previous month's flow.
6. ERIN will bill TENNESSEE RIDGE monthly for such fees, rates, and other charges provided for under Article VII. this Bill shall be paid within fifteen (15) days from the date of bill.

ARTICLE VI

Provisions Pertaining to Violations of the Terms of this Agreement

1. If TENNESSEE RIDGE is found to be violating any provisions of this Agreement, it shall be served by ERIN with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof. TENNESSEE RIDGE shall, within the period of time stated in such notice, permanently cease all violations.
2. If TENNESSEE RIDGE is guilty of violating any of the provisions of this Agreement, it shall become liable to ERIN for any expense, loss, or damage occasioned ERIN by reason of such violation.
3. If ERIN is found to be violating any provisions of this Agreement, it shall be served by TENNESSEE RIDGE with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof. ERIN shall, within the period of time stated in such notice, permanently cease all violations.
4. If ERIN is guilty of violating any of the provisions of this Agreement, it shall become liable to TENNESSEE RIDGE for any expense, loss, or damage occasioned TENNESSEE RIDGE by reason of such violation.
5. Neither party shall have the right to terminate the Agreement unless mutual consent is obtained by both parties.

ARTICLE VII

Provisions for Computation of Fees, Rates, and Charges

1. Capital Cost:

The unused capacity in the ERIN Facilities, up to 281,000 gallons per day (GPD), beginning at the time the City of Erin commences operation of the Industrial Park Wastewater Treatment Plant will be made available to TENNESSEE RIDGE

under the terms of this Agreement. When said facilities must be expanded, or additional facilities constructed in order to accommodate increased flows or loads, then the cost of said expansion or construction shall be allocated to ERIN, TENNESSEE RIDGE, and other PARTICIPANTS contributing flow to those facilities based on the relationship of the flow or loads reserved by each of the aforesaid to the total design flow and loads for the expansion or additional facilities. TENNESSEE RIDGE and other PARTICIPANTS contributing flow to those facilities shall participate in said expansion or construction to at least the extent necessary to restore to ERIN the unused capacity utilized by said entities in the ERIN Facilities. The cost of any modifications to the ERIN Facilities which do not increase the capacity of same shall be allocated to ERIN. TENNESSEE RIDGE will not have to participate in any upgrading or upsizing unless their flow rate averaged over a period of thirty (30) consecutive days exceeds 281,000 GPD.

2. Operation and Maintenance

A. It is recognized by the parties that the annual cost of operation and maintenance of the ERIN Facilities must be shared by ERIN, TENNESSEE RIDGE and all other PARTICIPANTS. The basic elements of those costs, and the methods for determining the share to be appointed are set forth as follows:

1. Wastewater Treatment - Records shall be maintained indicating the total annual cost of operation and maintenance of the wastewater treatment plant, as well as the total wastewater flow receiving full treatment annually at the plant.
2. Sewer Maintenance - Records shall be maintained presenting the total annual cost of operation, and maintenance of the ERIN Facilities.
3. Pumping Station and Force Main Operation and Maintenance - It is recognized that the cost of operation of these pumping stations and lines cannot reasonably be allocated; therefore, these costs shall be determined based on the ratio of the design capacity of those stations pumping wastewater from all PARTICIPANTS, as determined by the City of Erin to total design capacity of all

pumping stations in the ERIN Facilities.

4. Other Costs - The City of Erin has a contract with with the Stewart - Houston Industrial Park Board for the use of the Industrial Park Wastewater Treatment Plant for a period of 20 years, at an annual cost of \$7,500.00. This cost shall be shared by all participants, based on the ratio of total annual wastewater contribution by each participant.

B. Those costs determined by the methods described in the preceding numbered Paragraphs 1), 2), 3), 4) shall be allocated to TENNESSEE RIDGE and each other PARTICIPANT based on the ratio of total annual wastewater contribution of each PARTICIPANT to the total volume of wastewater receiving full treatment annually at the wastewater treatment plant. These costs for TENNESSEE RIDGE and each other PARTICIPANT shall be \$1.00/1000 gallons for the fiscal year ended June 30, 1990, and will be updated annually, with the proposed cost to be determined by mutual consent of both cities. These costs shall be adjusted up or down with any overpayment or underpayment being adjusted annually.

3. The point of connection shall be at the end of the Erin interceptor on Mobley Lane. The point of metering shall be near the Tennessee Ridge City Limit sign on Mobley Lane. ERIN agrees that if it adds on any sewer customers between the end of the present interceptor on Mobley Lane and the point of metering, ERIN will repay TENNESSEE RIDGE only for the local share money paid by TENNESSEE RIDGE for this portion of the interceptor line.

IN WITNESS WHEREOF, THE CITY OF ERIN, TENNESSEE, by the Mayor, and the CITY OF TENNESSEE RIDGE, TENNESSEE, by the Mayor, have caused this Agreement to be signed this 29th day of September, 1988.

CITY OF TENNESSEE RIDGE

By: Robert R. Brown

Robert R. Brown, Mayor
City of Tennessee Ridge

ATTEST:

Woodrow Adams
Woodrow Adams, City Recorder

CITY OF ERIN

By: Jum Kuykendall
Jum Kuykendall, Mayor
City of Erin

ATTEST:

Nelma Simpson
Nelma Simpson, City Recorder

STATE OF TENNESSEE)
)
COUNTY OF HOUSTON)

Personally appeared before me the undersigned, a Notary Public in and for said State and City, Robert R. Brown, Mayor and Woodrow Adams, City Recorder, the within named bargainers, with whom I am personally acquainted, and who acknowledged that they executed the within instrument for the purposes therein contained.

WITNESS my hand and official seal at office in Erin, Tennessee, this 29th day of September, 1988.

Angela D. Baggett
Notary Public

My commission expires: 4-5-92

ORDINANCE #2021-244

AN ORDINANCE TO ADOPT WATER AND SEWER RATES
FOR THE CITY OF TENNESSEE RIDGE

WHEREAS: the City of Tennessee Ridge is empowered by its charter to establish water and sewer rates by appropriate ordinance or resolution; and

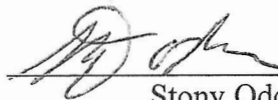
WHEREAS: the Board of Commissioners of the City of Tennessee Ridge has determined that it is necessary to establish a new rate for water and sewer due to the rising costs to produce potable water, and maintain the sewer system,

NOW, THEREFORE BE IT ORDAINED BY THE BOARD OF COMMISSIONERS OF THE CITY OF TENNESSEE RIDGE AS FOLLOWS:

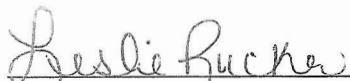
SECTION ONE: That the following water and sewer rate schedule be and is hereby adopted for the City's water and sewer customers:

	<u>From</u>	<u>To</u>
Residential Inside	22.41	28.30
Sewer Residential Inside	23.14	29.23
Sewer Residential Outside	23.14	29.23
Water Commercial Inside	46.56	64.29

Section Two: That all resolutions and ordinances that are in conflict with the provision of this ordinance is hereby amended.



Stony Odom, Mayor



Leslie Rucker, Interim City Recorder

Passed First Reading: April 5, 2021

Passed Second Reading: May 17, 2021

WATER & SEWER RATE INC. WORKSHEET							
		<u>From</u>	<u>To</u>	<u>\$ Inc.</u>	<u>% Inc.</u>		
Residential Inside	\$	22.41	\$	28.30	\$	5.89	26.30%
Sewer Residential Inside	\$	23.14	\$	29.23	\$	6.09	26.30%
Sewer Residential Outside	\$	23.14	\$	29.23	\$	6.09	26.30%
Water Commercial Inside	\$	46.56	\$	64.29	\$	17.73	38.00%
<i>Please note: Residential Inside Water & Sewer customers will have an increase on the minimum bill of \$11.98</i>							
<u>RATE DESCRIPTION</u>			<u>CUSTOMERS</u>			<u>PROPOSED REV.</u>	
						<u>INC. YEARLY</u>	
Residential Water Customers Inside			595			\$	42,054.60
Residential Sewer Customers Outside			176			\$	12,862.08
Residential Sewer Customers			9			\$	657.72
Water Commercial Inside			11			\$	2,340.36
						\$	<u>57,914.76</u>



JASON E. MUMPOWER
Comptroller

Entity Referred: **Town of Tiptonville**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

The Town indicated in its financial questionnaire, which is included in the supplemental packet, that it currently imposes an automatic 3% increase in water and sewer rates and fees annually. This automatic rate increase has not been sufficient to prevent the Town's financial distress. The Town also included a preliminary engineering report to correct some issues with its sewer system.

Staff Recommendation:

1. The Town shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - a. a review of the debt management policy, including any recommended modifications;
 - b. a review of the capitalization policy, including any recommended modifications;
 - c. creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs;
 - d. a review of all water and sewer fees, including any recommended modifications; and
 - e. a review of the leak adjustment policy, including any recommended modifications.
2. By October 29, 2021, the Town shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
3. By July 1, 2022, the Town shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
4. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the Town.



JASON E. MUMPOWER
Comptroller

Thursday, January 21, 2021

Mayor Cliff Berry, Jr.,
Town of Tiptonville
130 South Court Street
Tiptonville, TN 38079

Dear Mayor Berry,

The Tennessee Comptroller of the Treasury has referred the Town of Tiptonville to the Water & Wastewater Financing Board (hereinafter "Board") for financial distress pursuant to Tennessee Code Annotated § 68-221-1010(a).

Please fill out the enclosed questionnaire and return it and all supporting documentation to our office no later than **April 2, 2021**. Please submit this to either utilities@cot.tn.gov and/or the following mailing address:

TN Comptroller of the Treasury
Attention: John Greer/Ross Colona
Cordell Hull Building
425 Rep. John Lewis Way North
Nashville, TN 37243

If you wish to submit this information via mail, **do not send stapled documents.**

While we recognize that this questionnaire may be difficult to fill out, it is necessary to determine how we can help you achieve long-term financial success. If you are having trouble filling this out, please contact our office for additional assistance. After we receive your information, we will decide whether it is necessary for the City to meet with our staff or go directly before the Board.

If you need further assistance or have any questions, please feel free to contact us at (615) 747-5260 or utilities@cot.tn.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "John Greer".

John Greer
Technical Secretary

Ross Colona
Ross Colona
Financial Analyst

WWFB Financial Questionnaire

The following questionnaire is composed of three sections- a contact information section, a water utility information section, and a wastewater utility information section. If you do not have a water utility, then the corresponding section does not need to be filled out. If you do not have a wastewater utility, then the corresponding section does not need to be filled out.

If you are a utility that has both a water system and a wastewater system, then you may find that some of these questions are redundant in both sections. If this is the case, you do not need to provide duplicate information. It is okay to indicate that the answer is the same in both sections.

The questions will be answered as follows:

- a. Yes or No (circle your answer),
- b. Short answer; or
- c. Provide a response as an attachment to this questionnaire.

You will find a list at the end of Section B and Section C that will detail the manner in which attachments should be sent in.

Section A: Contact Information

Please provide contact information for the utility by responding to the fields below.

Utility Address Information	
Utility Contact Address Line 1:	Tiptonville Water Dept.
Utility Contact Address Line 2:	130 South Court St.
Utility Contact Address City:	Tiptonville
Utility Contact Address State:	Tennessee
Utility Contact Address Zip Code:	38079
Contact Person 1 Information	
Contact Person 1 Title:	Mayor
Contact Person 1 Name:	Cliff Berry, Jr.
Contact Person 1 Email Address:	cliff.berry@tiptonvillecityhall.com
Contact Person 1 Phone Number:	731-253-9922 or 731-499-3365
Contact Person 2 Information	
Contact Person 2 Title:	Water/Sewer Plant
Contact Person 2 Name:	Kent Roberson
Contact Person 2 Email Address:	kent.roberson@tiptonvillecityhall.com
Contact Person 2 Phone Number:	731-442-1567

Section B: Water Utility Information

1. Does your utility offer water? *yes*
- a. If yes, please complete the following section. If no, please proceed to Section C: Wastewater Utility Information.

2. Have you had any rate changes in the previous five years?

Yes or No (Circle your answer)

- a. Please provide a copy of your current rate ordinance/structure and the justification for why the rates are set this way- including any recent rate studies performed for the utility. *Attachment # 1*
- b. Please provide a copy of previous rate ordinances/structures from the previous five years if you answered yes to Question #2. *Attachment # 2*
- c. If you have differing rate classes (inside/outside city limits, residential/commercial/industrial, new developments, etc.), please provide justification as to why these rates are set the way they are. *Attachment # 2*

3. Do you have any current plans for a rate change?

Yes or No (Circle your answer)

- a. If yes, please provide a written answer to the following questions:

- Attachment # 3*
- i. Are you planning for a rate increase or decrease? *increase*
- ii. Are you planning this change across all customer classes or only on a certain customer class? *All customers*
- iii. Has your Board voted on this rate change yet? *yes*
- iv. If your Board has discussed a rate change at recent meetings, please attach a copy of the relevant minutes at which this meeting took place.

4. Have you had any utility fee changes in the previous five years?

Yes or No (Circle your answer)

- Attachment # 4, 5, 6*
- a. Please provide a copy of your current utility fee schedule.
- b. Please provide a copy of previous utility fee schedules if you answered yes to Question #3.
- c. Please provide a written rationale for the charges for tap fees, reconnect fees, etc.

5. Has your debt management policy been reviewed in the last 5 years?

Yes or No (Circle your answer)

- Attachment # 7*
- a. Please provide a copy of your debt management policy. If you do not have a debt management policy, please provide a written rationale for why a debt management policy has not been adopted.

6. Has your capitalization policy been reviewed in the last 5 years?

Yes or No (Circle your answer)

- Attachment # 8*
- a. Please provide a copy of your capitalization policy. If you do not have a capitalization policy, please provide a written rationale for why a capitalization policy has not been adopted.

7. Please provide the most recent 3 months of balance sheets and income statements for your water fund.

Attachment #9

a. If you are a water and wastewater utility and are having difficulty breaking out the accounts, please use percentages or estimate for accounts for the most accurate depiction of the financial status of the utility.

8. Do you have a plan to remedy your financially distressed position for your water fund?

Attachment #10

Yes or No (Circle your answer)

a. If yes, please provide a detailed copy. Attached is a primary plan to remedy the situation and work is now underway.
b. If no, please provide a justification for why not.

9. Who has the authority to set rates and fees?

Answer:

Tiptonville Mayor and Board of Aldermen

a. Is this a board or committee separate from your local legislative body? (City Council, Board of Mayor and Alderman, etc.)

Yes or No (Circle your answer)

b. Please provide a list containing the following information for the aforementioned individuals:

Attachment #11

i. Name

ii. Title

iii. Mailing Address

iv. Phone Number

v. Date of Initial Election or Appointment

vi. Have they fulfilled their initial 12 hour training requirement within the first year of service, if applicable? Yes or No

vii. If so, please provide proof that the training requirement has been satisfied.

10. How many total customers do you currently have?

Answer:

987

a. Please provide a numerical break-down of the totals for each type of customer:

i. Billed 100%

ii. Unbilled 100%

iii. Metered 100%

iv. Unmetered None

v. Breakdown by Rate Class (inside, outside, inside residential, inside commercial, outside residential, outside commercial, etc.)

11. What percentage of your sales do your largest 10 customers account for annually?

(Largest 10 Customer Sales Total / Total Annual Water Sales)

Answer:

65%

12. What percentage of your volume do your largest 10 customers account for annually?

(Gallons of Water sold to Largest 10 Customers / Total Gallons of Water Sold)

Answer:

65% prisons, schools, Housing projects, Nursing Home

13. Do you have a leak adjustment policy? yes

Attachment #13

Yes or No (Circle your answer)

- a. If yes, how many leak adjustments were performed based on your leak adjustment policy in the last 12 months? What is the cost associated with these leaks?

Answer:

no water Adjustments were given (Sewer only)

- b. If yes, please attach a copy of your leak adjustment policy.
c. If no, please move on to the next question.

14. Have you incurred any new debt during the current fiscal year for your water utility, or do you plan on incurring any debt during the current fiscal year for your water utility?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation regarding the debt.
b. If no, please move on to the next question.

15. Have you received any grants or capital contributions during the current fiscal year for your water utility, or do you plan on receiving any grants or capital contributions during the current fiscal year for your water utility?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation regarding these grants or capital contributions.
b. If no, please move on to the following question.

16. Have you applied for any grants that will be received over the next two years?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation regarding these potential grants.
b. If no, please move on to the following question.

17. Are your customers made aware of the rates and fees you have in place annually?

Yes or No (Circle your answer)

- a. If yes, how is this accomplished?
b. If no, please provide a written justification as to why not.

Attachment #17

18. Do you review your capital asset list?

Yes or No (Circle your answer)

- a. If yes, how often is this list reviewed and by whom?
b. If no, please provide a written justification as to why not.
c. Please provide a copy of your capital asset plan, or a justification as to why you do not have one.

Attachment #18

wastewater
Mayor, Clerk, operator
Review at Year End

19. Do you keep a copy of your capital asset list on file?

Yes or No (Circle your answer)

20. Do you produce your own water supply?

Yes or No (Circle your answer)

- a. If yes, what is the cost per thousand gallons to produce?

Answer:

.82 per thousand gallons

- b. If no, please move on to the next question.

21. Do you purchase your water supply?

No

- a. If yes, please provide the following:
 - i. List of entities water is purchased from
 - ii. Rates at which water is purchased at
 - iii. Water purchase contract with these entities, if no contract exists please give an explanation as to why there is no contract.
- b. If no, please move on to the following question.

22. Do you have any wholesale customers?

Yes or No (Circle your answer)

- a. If yes, please provide the contract(s) with these customer(s) or a detailed explanation as to why a contract does not exist and the rate at which water is sold to this customer.
- b. If no, please move on to the following question.

23. Do you have a plan to improve your non-revenue water percentage?

Yes or No (Circle your answer)

Attachment
22

- a. If yes, please provide a detailed explanation as to how this will be improved along with your current non- revenue water percentages by cost and by volume.
- b. If no, please provide a detailed justification as to why the current non-revenue water percentage does not need to be improved along with your current non-revenue water percentages by cost and by volume.

24. Are there any environmental concerns currently or forthcoming that will put a financial burden on the system?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation as to what the concern or issue is and the extent of the financial burden that will be incurred.
- b. If no, please move on to the next question.

25. In regard to your governing body, how frequently do you meet and what is your practice of providing notice of your meetings?

Answer:

Water Attachment List

The previous questions asked for several written explanations and attachments. Below you will find a list of the necessary attachments for questions depending on the answers provided. Please attach the following documents in the order listed with the Water Attachment Number at the top of the corresponding document. You may find that due to some of your answers you may not need to provide an attachment as listed; that is acceptable. **Please do not send in any stapled documents.**

Water Attachment Number, Question Number Asking for Document	Requested Document
Attachment Number: 1 Question Number: Section B, Question #2	Current Rate Ordinance/Structure and Justification
Attachment Number: 2 Question Number: Section B, Question #2	Previous Rate Structure/Ordinance
Attachment Number: 3 Question Number: Section B, Question #3	Rate Change Information
Attachment Number: 4 Question Number: Section B, Question #4	Current Utility Fee Schedule
Attachment Number: 5 Question Number: Section B, Question #4	Previous Utility Fee Schedules
Attachment Number: 6 Question Number: Section B, Question #4	Written Rationale for Utility Fee Justification
Attachment Number: 7 Question Number: Section B, Question #5	Debt Management Policy; or Justification for lack thereof
Attachment Number: 8 Question Number: Section B, Question #6	Capitalization Policy; or Justification for lack thereof
Attachment Number: 9 Question Number: Section B, Question #7	Financial Statements
Attachment Number: 10 Question Number: Section B, Question #8	Financial Distress Remedy Plan; or Justification for lack thereof
Attachment Number: 11 Question Number: Section B, Question #9	Board Training Information
Attachment Number: 12 Question Number: Section B, Question #10	Customer Count Breakdown

Attachment Number: 13 Question Number: Section B, Question #13	Leak Adjustment Policy
Attachment Number: 14 Question Number: Section B, Question #14	Debt Response
Attachment Number: 15 Question Number: Section B, Question #15	Grants/Contributions Response
Attachment Number: 16 Question Number: Section B, Question #16	Future Grants Response
Attachment Number: 17 Question Number: Section B, Question #17	Customer Rate Awareness Response
Attachment Number: 18 Question Number: Section B, Question #19	Capital Asset List Review Response
Attachment Number: 19 Question Number: Section B, Question #21	Water Purchase Information
Attachment Number: 20 Question Number: Section B, Question #22	Wholesale Customer Information
Attachment Number: 22 Question Number: Section B, Question #23	Non-Revenue Water Response
Attachment Number: 23 Question Number: Section B, Question #24	Environmental Concerns Response

Section B
Question #2
(A)

ORDINANCE NO. 2196

AN ORDINANCE OF THE TOWN OF TIPTONVILLE, TENNESSEE, ESTABLISHING A FEE SCHEDULE FOR CUSTOMERS OF THE MUNICIPAL WATER AND WASTEWATER UTILITIES.

WHEREAS, the Tiptonville Board of Mayor and Aldermen has identified the need to periodically adjust municipal utility rates to keep pace with inflation, thus avoiding the need for larger rate hikes associated with the irregular adjustment of utility rates; and

WHEREAS, the Tiptonville Board of Mayor and Alderman has decided that making such adjustments automatically will best keep pace with inflation, said adjustments shall henceforth annually reflect an increase of 3 percent to the Minimum Bill and 3 percent to the Unit Cost per 1,00 gallons. The minimum charge and the cost per 1,000 gallons as set out in the schedule of rates shall be adjusted on an annual basis in an amount equal to a 3 percent increase to the previous year's rate. Said annual adjustment shall be effective January 1st each year;

WHEREAS, the Tiptonville Board of Mayor and Aldermen has decided that the most equitable way to further adjust rates is to pay a unit price for all water and sanitary sewer service provided, minimum bills shall henceforth include 0 gallons of water and 0 gallons of sanitary sewer.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF MAYOR AND ALDERMEN OF THE TOWN OF TIPTONVILLE, TENNESSEE, AS FOLLOWS:

1. Municipal Water Rates. The Tiptonville Board of Mayor and Aldermen hereby adopts the following monthly rate schedules applicable to all customers of the municipal water utility, exclusive of state and local sales taxes, said schedules to henceforth automatically be increased 3 percent on an annual basis:

Water Rates		
Class 22	\$23.07	minimum charge- 0 gallons included
	\$3.61	per 1,000 gallons over 0 gallons
Class 35	\$21.01	minimum charge- 0 gallons included
	\$3.61	per 1,000 gallons over 0 gallons
Class 50	\$64.12	minimum charge- 0 gallons included
	\$4.69	per 1,000 gallons over 0 gallons
Prison	\$3,085.68	minimum charge- 0 gallons included
	\$3.04	per 1,000 gallons over 0 gallons
	\$103.00	user fee for new accounts

2. Municipal Wastewater Rates. The Tiptonville Board of Mayor and Aldermen hereby adopts the following monthly rate schedules applicable to all customers of the municipal wastewater utility, exclusive of state and local taxes, said schedules to henceforth automatically be increased 3 percent on an annual basis:

Sewer Rates		
Class 201 & 202	\$16.17	minimum charge- 0 gallons included
	\$2.58	per 1,000 gallons over 0 gallons
Class 203	\$44.91	minimum charge- 0 gallons included
	\$3.30	per 1,000 gallons over 0 gallons
Class 205	\$44.91	minimum charge- 0 gallons included
	\$3.30	per 1,000 gallons over 0 gallons
Prison	\$2468.54	minimum charge- 0 gallons included
	\$2.43	per 1,000 gallons over 0 gallons
	\$103.00	user fee for new accounts

Effective date. This ordinance shall be in full force and effect from and after its date of passage by the Board of Mayor and Aldermen.

Severability. Should any section, paragraph, sentence, clause, or phrase of this ordinance or its application to any person or circumstance be declared unconstitutional or otherwise invalid for any reason, or should any portion of this ordinance be pre-empted by State or Federal law or regulation, such decision or legislation shall not affect the validity of the remaining portions of this ordinance or its application to other persons or circumstances.

Repealer. All ordinances and parts of ordinances which are inconsistent with the provisions of this ordinance are hereby repealed to the extent of such inconsistency.

PASSED AND APPROVED THIS 30th DAY OF DECEMBER 2019 BY A ROLL CALL VOTE OF THE TIPTONVILLE BOARD OF MAYOR AND ALDERMEN.

X 

 CLIFF BERRY, JR.
 MAYOR

X 

 FRAN HEARN
 CITY RECORDER

CITY OF TIPTONVILLE											
130 SOUTH COURT STREET											
TIPTONVILLE, TN 38079											
PRISON WATER MONTHLY CHARGE REPORT											
BILL DATE	LAST MO. THIS MO.	TOT. GALS	1M GALS	TOTAL	TOTAL	COST OVER TOT GALS	SEWER RISEWER TOTAL	TOTAL DUE			
8/1/2017	390746	401227	10481	1800	9481	\$2,995.81	\$30,964.76	80.00%	\$24,771.81	\$55,736.57	
9/1/2017	401227	411651	10424	1000	9424	\$2,995.81	\$30,796.61	80.00%	\$24,637.29	\$55,433.90	
10/1/2017	411651	422328	10677	1000	9677	\$2,995.81	\$31,542.96	80.00%	\$25,234.37	\$56,777.33	
11/1/2017	422328	431863	9535	1000	8535	\$2,995.81	\$28,174.06	80.00%	\$22,539.25	\$50,713.31	
12/1/2017	431863	440961	9098	1000	8098	\$2,995.81	\$26,884.91	80.00%	\$21,507.93	\$48,392.84	
1/1/2018	440961	450795	9834	1000	8834	\$2,995.81	\$29,056.11	80.00%	\$23,244.89	\$47,633.51	
2/1/2018	450795	459750	8955	1000	7955	\$2,995.81	\$26,463.06	80.00%	\$21,170.45	\$42,301.00	
3/1/2018	459750	467844	8094	1000	7094	\$2,995.81	\$23,923.11	80.00%	\$19,138.49	\$43,061.60	
4/1/2018	467844	477593	9749	1000	8749	\$2,995.81	\$28,805.36	80.00%	\$23,044.29	\$51,849.65	
5/1/2018	477593	486444	8851	1000	7851	\$2,995.81	\$26,156.26	80.00%	\$20,925.01	\$47,081.27	
6/1/2018	486444	496490	10046	1000	9046	\$2,995.81	\$29,681.51	80.00%	\$23,745.21	\$53,426.72	
6/30/2018	496490	507127	10637	1000	9637	\$2,995.81	\$31,424.96	80.00%	\$25,139.97	\$56,564.93	
8/1/2018	507127	517341	10214	1000	9214	\$2,995.81	\$30,177.11	80.00%	\$24,141.69	\$54,318.80	
9/4/2018	517341	528633	11292	1000	10292	\$2,995.81	\$33,357.21	80.00%	\$26,685.77	\$60,042.98	
10/1/2018	528633	537700	9067	1000	8067	\$2,995.81	\$26,793.46	80.00%	\$21,434.77	\$48,228.23	
11/1/2018	537700	547894	10194	1000	9194	\$2,995.81	\$30,118.11	80.00%	\$24,094.49	\$54,212.60	
12/3/2018	547894	557567	9673	1000	8673	\$2,995.81	\$28,581.16	80.00%	\$22,864.93	\$51,446.09	
1/1/2019	557567	566552	8985	1000	7985	\$2,995.81	\$26,551.56	80.00%	\$21,241.25	\$47,792.81	
2/1/2019	566552	574424	7872	1000	6872	\$2,995.81	\$23,268.21	80.00%	\$18,614.57	\$41,882.78	
3/1/2019	574424	581788	7364	1000	6364	\$2,995.81	\$21,769.61	80.00%	\$19,681.29	\$44,282.90	
4/1/2019	581788	590112	8324	1000	7324	\$2,995.81	\$24,601.61	80.00%	\$19,681.29	\$44,282.90	
5/1/2019	590112	599096	8984	1000	7984	\$2,995.81	\$26,548.61	80.00%	\$21,238.89	\$47,787.50	
6/3/2019	599096	608476	9380	1000	8380	\$2,995.81	\$27,716.81	80.00%	\$22,173.45	\$49,890.26	
6/30/2019	608476	616650	8174	1000	7174	\$2,995.81	\$24,159.11	80.00%	\$19,327.29	\$43,486.40	
8/1/2019	616650	626632	9982	1000	8982	\$2,995.81	\$29,492.71	80.00%	\$23,594.17	\$53,086.88	
9/3/2019	626632	635832	9200	1000	8200	\$2,995.81	\$27,185.81	80.00%	\$21,748.65	\$48,934.46	
10/1/2019	635832	643947	8115	1000	7115	\$2,995.81	\$23,985.06	80.00%	\$19,188.05	\$43,173.11	
11/1/2019	643947	652241	8294	1000	7294	\$2,995.81	\$24,513.11	80.00%	\$19,610.49	\$44,123.60	
12/2/2019	652241	661197	8956	1000	7956	\$2,995.81	\$26,466.01	80.00%	\$21,172.81	\$47,638.82	
					0						

80% of
 26,466.01
 = Sewer 21,172.81
 Total 26,466.01
 + 21,172.81
 = 47,638.82

BASE
 2.95
 X 7956
 23,470.20
 + 2,995.81
 = 26,466.01

Section B
Question # 2
(B)

ORDINANCE NO. 2148

AN ORDINANCE OF THE TOWN OF TIPTONVILLE, TENNESSEE, ESTABLISHING A FEE SCHEDULE FOR CUSTOMERS OF THE MUNICIPAL WATER AND WASTEWATER UTILITIES.

WHEREAS, the Tiptonville Board of Mayor and Aldermen has identified the need to periodically adjust municipal utility rates to keep pace with inflation, thus avoiding the need for larger rate hikes associated with the irregular adjustment of utility rates; and

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF MAYOR AND ALDERMEN OF THE TOWN OF TIPTONVILLE, TENNESSEE, AS FOLLOWS:

1. Municipal Water Rates. The Tiptonville Board of Mayor and Aldermen hereby adopts the following monthly rate schedules applicable to all customers of the municipal water utility, exclusive of state and local sales taxes:

RATE CLASSIFICATION	1 ST 2000 GALLONS	OVER 2000 GALLONS PER 1000 GALLONS
101 22	\$22.40	\$3.50
102 35	\$20.40	\$3.50
103 50	\$62.25	\$4.55
FLAT RATE	\$24.50 unmetered	

2. Municipal Wastewater Rates. The Tiptonville Board of Mayor and Aldermen hereby adopts the following monthly rate schedules applicable to all customers of the municipal wastewater utility, exclusive of state and local taxes:

RATE CLASSIFICATION	1 ST 2000 GALLONS	OVER 2000 GALLONS PER 1000 GALLONS
---------------------	------------------------------	---------------------------------------

201	\$15.70	\$2.50
202	\$15.70	\$2.50
203	\$43.60	\$3.20
205	\$43.60	\$3.20
FLAT RATE	\$15.60	

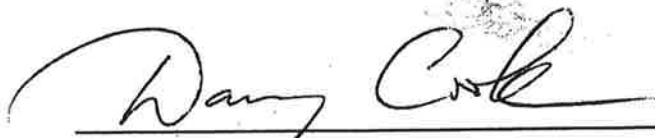
3. **Effective date.** This ordinance shall be in full force and effect from and after its date of passage by the Board of Mayor and Aldermen.

4. **Severability.** Should any section, paragraph, sentence, clause, or phrase of this ordinance or its application to any person or circumstance be declared unconstitutional or otherwise invalid for any reason, or should any portion of this ordinance be pre-empted by State or Federal law or regulation, such decision or legislation shall not affect the validity of the remaining portions of this ordinance or its application to other persons or circumstances.

5. **Repealer.** All ordinances and parts of ordinances which are inconsistent with the provisions of this ordinance are hereby repealed to the extent of such inconsistency.

PASSED AND APPROVED THIS 6th DAY OF September, 2012 BY A ROLL CALL VOTE OF THE TIPTONVILLE BOARD OF MAYOR AND ALDERMEN.

1st Reading 8-14-12
 2nd Reading 9-6-12



 DANNY COOK, MAYOR OF TIPTONVILLE

Section # B
Question #2
(c)

Question #2

C. Water rates are the same
inside/outside city limits

except: There is no sewer
outside of city limits

Section B
Question # 3
(A)

MINUTES
SPECIAL MEETING
CITY OF TIPTONVILLE
CITY BOARD MEETING
DECEMBER 30, 2019

PRESENT: Mayor Cliff Berry

Aldermen and Alderwomen: Montgomery, Parks, Williams, and Woods

ABSENT: Aldermen: Beal and Jackson

A motion was made by Woods with a second by Williams to adopt the 2nd and Final Reading of Ordinance # 2196 (Establishing a Fee Schedule for Customers of the Municipal Water and Wastewater Utilities). Roll call vote: Montgomery, yes; Parks, yes; Williams, yes; and Woods, yes. Motion passed.

A motion was made by Williams with a second by Woods to adjourn the meeting. Roll call vote: Montgomery, yes; Parks, yes; Williams, yes; and Woods, yes. Motion passed.


MAYOR


RECORDER

notation

Reference to Attachment # 1
noting 3% increase in water and
sewer rates on an annual basis

Section B
Question #4

MINUTES
CITY OF TIPTONVILLE
CITY BOARD MEETING
FEBRUARY 9, 2021

PRESENT: MAYOR CLIFF BERRY


ALDERMEN AND ALDERWOMEN: BEAL, JACKSON, MONTGOMERY, PARKS AND
WOODS

ABSENT: ALDERMEN WILLIAMS

A motion was made by Beal with a second by Parks to approve the Minutes of the January 12, 2021 board meeting. Roll call vote: Beal, yes; Jackson, yes; Montgomery, yes; Parks, yes; and Woods, yes. Motion passed.

A motion was made by Parks with a second by Jackson to approve the Treasurer's Report, Water Bill Adjustments and pay Outstanding Bills. Roll call vote: Beal, yes; Jackson, yes; Montgomery, yes; Parks, yes; and Wood, yes. Motion passed.

A motion was made by Parks with a second by Beal to approve ½ of 25% Match for BRIC Grant for Lake County if application by the county is successful. The grant includes the installation of the backup pump for the new pumping station. This grant would benefit Lake County and the City of Tiptonville during Mississippi River highwater and local floods. The total match would be \$112,500 with Tiptonville's share being \$56,250.00. Roll call vote: Beal, yes; Jackson, yes; Montgomery, yes; Parks, yes; and Woods, yes. Motion passed.

 A motion was made by Woods with a second by Montgomery to increase the Water and Sewer Utility Rates effective immediately. Rate increases are as follows:

User Fees	\$110.00
Re-Connection Fees	35.00
Return Check	35.00
Transfer Fees	35.00
Water Tap Fee (City)	350.00
Sewer Tap Fee (City)	550.00
Tap Fee (Rural Water)	2,000.00
Door Hanger Reminder Fee	2.00
Credit/Debit Card Fee	3.00

Roll call vote: Beal, yes; Jackson, yes; Montgomery, yes; Parks, yes; and Woods, yes. Motion passed.

A motion was made by Parks with a second by Woods to adjourn the meeting. Roll call vote: Beal, yes; Jackson, yes; Montgomery, yes; Parks, yes; and Woods, yes. Motion passed.


MAYOR


RECORDER



Section B
Question #4

CITY OF TIPTONVILLE

130 S. Court St.
Tiptonville, TN 38079
(731) 253-9922 Fax (731) 253-9923
Cliff Berry Jr., Mayor

Aldermen:
Jamey Beal
Will Jackson
Mario Montgomery
Daisy Parks
Joe Lee Williams
Sarah J. Woods

Fran Hearn, City Treasurer

(old rates)

Rate Schedule 1-1-21

USER FEE	\$103.00	
RE CONNECT FEE	\$ 25.00	
RETURN CHECK	\$ 30.00	
TRANSFER	\$ 25.00	
TAP FEE (WATER ONLY IN CITY)	\$ 300.00	3/4" PIPE SIZE
TAP FEE (SEWER ONLY IN CITY)	\$ 500.00	3/4" PIPE SIZE
TAP FEE (RURAL WATER)	\$2000.00	

Section B
Question #4
(c.)

#4

(c) Written rationale for the charges for tap fees, reconnect, etc

The board recently raised utility rate fees (2-9-21)
These rates have not been increased in a few
years. Each budget year the board will review
and increase some each year starting with
budget year 21-22.

Section # B
Question # 5

RESOLUTION NO. 65

A RESOLUTION OF THE TOWN OF TIPTONVILLE, TENNESSEE, ESTABLISHING A WRITTEN DEBT MANAGEMENT POLICY.

WHEREAS, the Tiptonville Board of Mayor and Aldermen has determined the need to adopt and implement a modern and consistent policy concerning the incurrence of municipal debt; and

WHEREAS, pursuant to Tennessee Code Annotated § 9-21-151(b)(1), the Tennessee State Funding Board has developed model financial transaction policies which Tennessee municipalities are directed to adopt and enforce.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN OF TIPTONVILLE BOARD OF MAYOR AND ALDERMEN, AS FOLLOWS:

1. **Purpose and goals.** The purpose of this debt policy is to establish a set of parameters by which debt obligations will be undertaken by the Town of TIPTONVILLE, TN. This policy reinforces the commitment of the *Town* and its officials to manage the financial affairs of the Town so as to minimize risk, avoid conflicts of interest and ensure transparency while still meeting the capital needs of the Town. A debt management policy signals to the public and the rating agencies that the Town is using a disciplined and defined approach to financing capital needs and fulfills the requirements of the State of Tennessee regarding the adoption of a debt management policy.

The goal of this policy is to assist decision makers in planning, issuing and managing debt obligations by providing clear direction as to the steps, substance and outcomes desired. In addition, greater stability over the long-term will be generated by the use of consistent guidelines in issuing debt.

2. **Definition of debt.** All obligations of the Town to repay, with or without interest, in installments and/or at a later date, some amount of money utilized for the purchase, construction, or operation of Town resources. This includes but is not limited to notes, bond issues, capital leases, and loans of any type, including loans from another internal fund.

3. **Approval of Debt.** Bond anticipation notes, capital outlay notes, all borrowing from internal funds, grant anticipation notes, and tax and revenue anticipation notes will be submitted to the State of Tennessee Comptroller's Office and the Town Council prior to issuance or entering into the obligation. A plan for refunding debt issues will also be submitted to the Comptroller's Office prior to issuance. Capital or equipment leases may be entered into by the Town Council; however, details on the lease agreement will be forwarded to the Comptroller's Office on the specified form within 45 days.

4. **Transparency.** (a) The Town shall comply with legal requirements for notice and for public meetings related to debt issuance.

(b) All notices shall be posted in the customary and required posting locations, including as required local newspapers, bulletin boards, and websites.

(c) All costs (including principal, interest, issuance, continuing, and one-time) shall be clearly presented and disclosed to the citizens, the Town governing board, and other stakeholders in a timely manner.

(d) The terms and life of each debt issue shall be clearly presented and disclosed to the citizens, the Town Council, and other stakeholders in a timely manner.

(e) A debt service schedule outlining the rate of retirement for the principal amount shall be clearly presented and disclosed to the citizens, the Town governing board, and other stakeholders in a timely manner.

5. **Role of Debt.** (a) Long-term debt shall not be used to finance current operations. Long-term debt may be used for capital purchases or construction identified through the capital improvement, regional development, transportation, or master process or plan. Short-term debt may be used for certain projects and equipment financing as well as for operational borrowing; however, the Town will minimize the use of short-term cash flow borrowings by maintaining adequate working capital and close budget management.

(b) In accordance with Generally Accepted Accounting Principles and state law,

1. The maturity of the underlying debt will not be more than the useful life of the assets purchased or built with the debt, not to exceed 30 years; however, an exception may be made with respect to federally sponsored loans, provided such an exception is consistent with law and accepted practices.

2. Debt issued for operating expenses must be repaid within the same fiscal year of issuance or incurrence.

6. **Types and Limits of Debt.** (a) The Town will seek to limit total outstanding debt obligations such that the annual cost of all debt retirement payments, including loan service fees, does not exceed 20% of annual General Fund revenues, excluding enterprise debt, and revenue debt.

(b) The limitation on total outstanding debt must be reviewed prior to the issuance of any new debt.

(c) The Town's/Town's total outstanding debt obligation will be monitored and reported to the governing board by the Finance Officer at such time as the annual budget is presented to the governing board and prior to the issuance of new debt by the Town. The Finance Officer shall monitor the maturities and terms and conditions of all obligations to ensure compliance. The

Finance Officer shall also report to the governing board any matter that adversely affects the credit or financial integrity of the Town.

(d) The Town is authorized to issue General Obligation bonds, Revenue bonds, TIFs, inter-fund and other short-term loans, anticipatory notes and other debt allowed by law. The Town has determined it currently will not issue private debt (debt from a private individual).

(e) The Town will seek to structure debt with level or declining debt service payments over the life of each individual bond issue or loan.

(f) As a rule, the Town will not backload, use "wrap-around" techniques, balloon payments or other exotic formats to pursue the financing of projects. When refunding opportunities, natural disasters, other non-general fund revenues, or other external factors occur, the Town may utilize non-level debt methods. However, the use of such methods must be thoroughly discussed in a public meeting and the governing body must determine such use is justified and in the best interest of the Town.

(g) The Town may use capital leases to finance short-term projects.

(h) Bonds backed with a general obligations pledge often have lower interest rates than revenue bonds. The Town may use its General Obligation pledge with revenue bond issues when the populations served by the revenue bond projects overlap or significantly are the same as the property tax base of the Town. The Town Council and management are committed to maintaining rates and fee structures of revenue supported debt at levels that will not require a subsidy from the Town's General Fund.

7. **Use of Variable Rate Debt.** (a) The Town recognizes the value of variable rate debt obligations and that cities have greatly benefitted from the use of variable rate debt in the financing of needed infrastructure and capital improvements.

(b) However, the Town also recognizes there are inherent risks associated with the use of variable rate debt and will implement steps to mitigate these risks; including:

1. The Town will annually include in its budget an interest rate assumption for any outstanding variable rate debt that takes market fluctuations affecting the rate of interest into consideration.
2. Prior to entering into any variable rate debt obligation that is backed by insurance and secured by a liquidity provider, the Town governing board shall be informed of the potential affect on rates as well as any additional costs that might be incurred should the insurance fail.
3. Prior to entering into any variable rate debt obligation that is backed by a letter of credit provider, the Town governing board shall be informed of the potential affect on

rates as well as any additional costs that might be incurred should the letter of credit fail.

4. Prior to entering into any variable rate debt obligation, the Town governing board will be informed of any terms, conditions, fees, or other costs associated with the prepayment of variable rate debt obligations.

5. The Town shall consult with persons familiar with the arbitrage rules to determine applicability, legal responsibility, and potential consequences associated with any variable rate debt obligation.

8. **Use of derivatives.** The Town chooses not to use derivative or other exotic financial structures in the management of the Town's debt portfolio. Prior to any reversal of this provision:

(a) A written management report outlining the potential benefits and consequences of utilizing these structures must be submitted to the Town governing board; and

(b) The Town governing board must adopt a specific amendment to this policy concerning the use of derivatives or interest rate agreements that complies with the State Funding Board Guidelines.

9. **Costs of Debt.** (a) All costs associated with the initial issuance or incurrence of debt, management and repayment of debt (including interest, principal, and fees or charges) shall be disclosed prior to action by the Town governing board in accordance with the notice requirements stated above.

(b) In cases of variable interest or non-specified costs, detailed explanation of the assumptions shall be provided along with the complete estimate of total costs anticipated to be incurred as part of the debt issue.

(c) Costs related to the repayment of debt, including liabilities for future years, shall be provided in context of the annual budgets from which such payments will be funded (i.e. General Obligations bonds in context of the General Fund, Revenue bonds in context of the dedicated revenue stream and related expenditures, loans and notes).

10. **Refinancing Outstanding Debt.** The Town will refund debt when it is in the best financial interest of the Town to do so, and the Chief Financial Officer shall have the responsibility to analyze outstanding bond issues for refunding opportunities. The decision to refinance must be explicitly approved by the governing body, and all plans for current or advance refunding of debt must be in

compliance with state laws and regulations. The Chief Financial Officer will consider the following issues when analyzing possible refunding opportunities:

(a) Onerous Restrictions – Debt may be refinanced to eliminate onerous or restrictive covenants contained in existing debt documents, or to take advantage of changing financial conditions or interest rates.

(b) Restructuring for Economic Purposes – The Town will refund debt when it is in the best financial interest of the Town to do so. Such refunding may include restructuring to meet unanticipated revenue expectations, achieve cost savings, mitigate irregular debt service payments, or to release reserve funds. Current refunding opportunities may be considered by the Chief Financial Officer if the refunding generates positive present value savings, and the Chief Financial Officer must establish a minimum present value savings threshold for any refinancing.

(c) Term of Refunding Issues – The Town will refund bonds within the term of the originally issued debt. However, the Chief Financial Officer may consider maturity extension, when necessary to achieve a desired outcome, provided such extension is legally permissible. The Chief Financial Officer may also consider shortening the term of the originally issued debt to realize greater savings. The remaining useful life of the financed facility and the concept of inter-generational equity should guide this decision.

(d) Escrow Structuring – The Town shall utilize the least costly securities available in structuring refunding escrows. Under no circumstances shall an underwriter, agent or financial advisor sell escrow securities to the Town from its own account.

(e) Arbitrage – The Town shall consult with persons familiar with the arbitrage rules to determine applicability, legal responsibility, and potential consequences associated with any refunding.

11. **Professional services.** (a) The Town shall require all professionals engaged in the process of issuing debt to clearly disclose all compensation and consideration received related to services provided in the debt issuance process by both the Town and the lender or conduit issuer, if any. This includes “soft” costs or compensations in lieu of direct payments.

(b) Counsel: The Town shall enter into an engagement letter agreement with each lawyer or law firm representing the Town in a debt transaction; except that no engagement letter is required for any lawyer who is an employee of the Town or lawyer or law firm which is under a general appointment or contract to serve as counsel to the Town. The Town does not need an engagement letter with counsel not representing the Town, such as underwriters’ counsel.

(c) Financial Advisor: Should the Town decide to retain a financial advisor, the Town shall enter into a written agreement with each person or firm serving as financial advisor for debt management and transactions. Whether in a competitive sale or negotiated sale, the financial advisor

shall not be permitted to bid on, privately place or underwrite an issue for which they are or have been providing advisory services for the issuance or broker any other debt transactions for the Town.

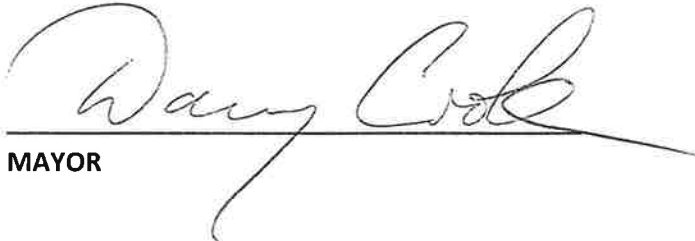
(d) Underwriter: If an underwriter is retained, the Town shall require the Underwriter to clearly identify itself in writing (*e.g., in a response to a request for proposals or in promotional materials provided to an issuer*) as an underwriter and not as a financial advisor from the earliest stages of its relationship with the Town with respect to that issue. The Underwriter must clarify its primary role as a purchaser of securities in an arm's-length commercial transaction and that it has financial and other interests that differ from those of the Entity. The Underwriter in a publicly offered, negotiated sale shall be required to provide pricing information both as to interest rates and to takedown per maturity to the Town governing board in advance of the pricing of the debt.

(e) Conflicts: Professionals involved in a debt transaction hired or compensated by the Town shall be required to disclose to the Town existing client and business relationships between and among the professionals to a transaction (including but not limited to financial advisor, swap advisor, bond counsel, swap counsel, trustee, paying agent, liquidity or credit enhancement provider, underwriter, counterparty, and remarketing agent), as well as conduit issuers, sponsoring organizations and program administrators. This disclosure shall include that information reasonably sufficient to allow the Town to appreciate the significance of the relationships. Professionals who become involved in the debt transaction as a result of a bid submitted in a widely and publicly advertised competitive sale conducted using an industry standard, electronic bidding platform are not subject to this disclosure. No disclosure is required that would violate any rule or regulation of professional conduct.

12. **Review of Policy.** This policy shall be reviewed at least annually by the Town governing board with the approval of the annual budget. Any amendments shall be considered and approved in the same process as the initial adoption of this Policy, with opportunity for public input.

13. **Compliance.** The Town Finance Officer is responsible for ensuring compliance with this policy.

PASSED AND APPROVED THIS 13th DAY OF December, 2011 BY A ROLL CALL VOTE OF THE
TIPTONVILLE BOARD OF MAYOR AND ALDERMEN.


MAYOR

ATTEST: 
Town Recorder

Section B,
Question #6

TOWN OF TIPTONVILLE, TENNESSEE
NOTES TO FINANCIAL STATEMENTS
June 30, 2020

D. Assets, Liabilities and Net Position or Fund Balance

Deposits and Investments

The Town's cash and cash equivalents are considered to be all deposits with financial institutions, including restricted deposits, and highly liquid investments with original maturities of three months or less. State statutes authorize the Town to invest in certificates of deposit, obligations of the U.S. Treasury, agencies and instrumentalities, obligations guaranteed by the U.S. Government or its agencies, repurchase agreements and the state's investment pool.

Receivables and Payables

Activity between funds that are representative of lending/borrowing arrangements outstanding at the end of the fiscal year are referred to as either "due to/from other funds" (i.e., the current portion of interfund loans) or "advances to/from other funds" (i.e., the noncurrent portion of interfund loans).

The Town reports its property taxes receivable net of an allowance for doubtful accounts, which was \$0 at June 30, 2020. The Water and Sewer Fund also uses an allowance for doubtful accounts, which had a balance of \$23,808 at June 30, 2020.

Property taxes are levied and tax bills are mailed on October 1 of each year and attach as an enforceable lien on property as of January 1. Payment due dates run from October 1 through February 28 with a delinquent date of March 1. The Town is permitted by the Municipal Finance Law of the State to levy taxes up to \$2 per \$100 of assessed valuation for general government services. The Town's 2020 property tax rate is \$1.87. The Town bills and collects its own property taxes, and tax revenues are recognized when levied to the extent that they result in current receivables. Delinquent taxes are turned over to Chancery Court. Once turned over to Chancery Court, the taxpayer must pay through the court.

Inventories and Prepaid Items

Inventory records are not maintained on a perpetual basis. The Town takes a physical inventory at fiscal year-end, which is recorded at cost using the first-in/first-out (FIFO) method.

Certain prepayments to vendors reflect costs applicable to future accounting periods and are recorded as prepaid items in both government-wide and fund financial statements.

Restricted Assets

The Town has restricted a portion of net position for State Street Aid in the amount of \$225,938. This amount is restricted for street repairs and maintenance in accordance with state law. When both restricted and unrestricted resources are available for use, it is the government's policy to use restricted resources first, then unrestricted resources as they are needed.

Capital Assets

Capital assets, including property, plant, vehicles, equipment, infrastructure assets (e.g., roads, bridges, sidewalks, and similar items) and construction in progress are reported in the applicable governmental or business-type activities columns in the government-wide financial statements. Capital assets are defined by the Town as assets with an initial, individual cost of more than \$1,500 for equipment, \$20,000 for buildings, and \$6,000 for vehicles. Such assets are recorded at historical cost or estimated historical cost if purchased or constructed. Donated capital assets are recorded at

TOWN OF TIPTONVILLE, TENNESSEE
NOTES TO FINANCIAL STATEMENTS
June 30, 2020

estimated fair market value at the date of donation.

The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend the asset's life are not capitalized. Major outlays for capital assets and improvements are capitalized as projects are constructed. Interest incurred during the construction phase of capital assets of business-type activities is included as part of the capitalized value of the assets constructed. For the year under examination, there were no interest costs capitalized.

Capital assets are depreciated using the straight-line method over the following useful lives:

General infrastructure	15 - 40 years
Buildings	40 years
Water and sewer plant	40 years
Furniture and equipment	7 years

Compensated Absences

The Town provides two weeks of paid vacation annually for employees with at least one year of service. The maximum amount of vacation time that can be accumulated is twenty (20) days. Accumulated sick leave will not be paid at termination of employment.

Long-term Obligations

In the government-wide financial statements and proprietary fund types in the fund financial statements, long-term debt and other long-term obligations are reported as liabilities in the applicable governmental activities, business-type activities, or proprietary fund type statement of net position. Bond premiums and discounts are deferred and amortized over the life of the bonds using the effective interest method. Bonds payable are reported net of the applicable bond premium or discount. Issuance costs are expensed in the year incurred.

In the fund financial statements, governmental fund types recognized bond premiums and discounts, as well as bond issuance costs, during the current period. The face amount of debt issued is reported as other financing sources. Premiums received on debt issuances are reported as other financing sources, while discounts on debt issuances are reported as other financing uses. Issuance costs, whether or not withheld from the actual debt proceeds received, are reported as debt service expenditures.

Deferred Outflows/Inflows of Resources

In addition to assets, the statement of net position will sometimes report a separate section for deferred outflows of resources. This separate financial statement element, deferred outflows of resources, represents a consumption of net position that applies to a future period and so will not be recognized as an outflow of resources (expense/expenditure) until then. The Town currently has no items that qualify for reporting in this category.

In addition to liabilities, the statement of net position will sometimes report a separate section for deferred inflows of resources. This separate financial statement element, deferred inflows of resources, represents an acquisition of net position that applies to a future period and so will not be recognized as an inflow of resources (revenue) until that time. The Town has property taxes reported as receivables in the statement of financial position before the period for which they were

Section # B
Question # 1

Balance Sheet
DECEMBER 31, 2020

413 WATER AND SEWER

Fnd-Funct-Obj-Fnd-Centr-Obj	Sub Cost	Sub	Account Name	Amount
Assets				
413-11211			CASH IN BANK-ACCOUNT NO. 1-CHECKING	870,866.35
413-11310			PETTY CASH	50.00
413-11313			CASH IN BANK ACCT NO.-3-RESTRICTED CHECK	98,326.51
413-11314			CASH IN BANK ACCT NO.-4-RESTRICTED CHECK	26,820.00
413-11316			CASH IN BANK ACCOUNT NO 6-RESTRICTED CHE	250,000.00
413-11318			CASH IN BANK ACCOUNT NO 8-RESTRICTED CHE	255,552.22
413-11319			CASH IN BANK ACCOUNT NO 9-RESTRICTED CHE	55.00
413-13221			ACCOUNTS RECEIVABLE - CUSTOMERS	169,470.21
413-13640			ALLOWANCE FOR DOUBTFUL ACCOUNTS	23,808.12
413-16100			LAND	134,078.00
413-16400			EQUIPMENT	608,183.90
413-16510			CONSTRUCTION IN PROGRESS-CAPITAL PROJECT	511,545.00
413-16621			ALLOWANCE FOR DEP - SEWER PLANT	1,990,607.16
413-16631			ALLOW FOR DEP - WATER & SEWER PLT	4,220,314.67
413-18114			NEW WATER TANK	812,684.71
413-18117			NEW WELL	158,677.65
413-18130			NEW WATER PLANT	3,355,948.35
413-18131			LAND	16,924.00
413-18140			WATER TREATMENT PLANT	927,191.11
413-18164			WATER LINES	1,699,395.57
413-18165			METERS	240,224.36
413-18187			COMMUNICATION EQUIPMENT	51,507.66
413-18223			SEWER LINE IMPROVEMENTS	2,058,216.00
413-18225			METERS	5,128.75
413-18233			STRUCTURES & IMPROVEMENT	1,238,735.40
413-18300			WATER LINES PURCHASED W/GRANT FUNDS	387,486.52
413-18325			WATER TANK PURCHASED W/GRANT FUNDS	137,513.47
413-18350			WATER PLANT RENOVATION - GRANT FUNDS	500,000.00
Total Assets				8,279,850.79
Liabilities, Reserves, And Fund Balances				
413-21419			DUE TO GENERAL FUND - GARBAGE	21,667.34
413-21521			DUE TO STATE DEPT OF REV - SALES TAXES	3,281.12
413-21811			ACCRUED INTEREST W/S	15,474.00
413-21850			CAPITAL LEASES PAYABLE - CURRENT	1,987.78
413-21890			OTHER ACCRUED PAYABLES	5,277.16
413-21910			CUSTOMER DEPOSITS	40,824.18
413-21911			WATER METER REFUNDS	5,437.40
413-23133			REVENUE BONDS PAYABLE - NO 3	1,010,000.00
413-23200			NOTES PAYABLE	1,447,503.44
413-27500			INVESTED IN CAPITAL ASSETS, NET OF DEBT	3,711,836.00
413-28000			UNRESTRICTED NET ASSETS	2,344,043.27
Expenditures Exceed Revenues				316,644.96
Total Liabilities, Reserves, And Fund Balances				8,279,811.93

413 WATER AND SEWER

Sub Cost Sub
Fnd-Funct-Obj -Fnd-Centr-Obj

Account Name
Liabilities, Reserves, And Fund Balances

Amount

Fund Is Out Of Balance

38.86
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* End of Report: TOWN OF TIPTONVILLE *

Statement of Estimated, Realized, And Unrealized Revenue
DECEMBER 31, 2020

413 WATER AND SEWER

	Orig Est Amendments	Total Estimated	Year-To-Date Realized	Percent Realized	Unrealized	Current Revenue
36103 TRANSFER OF SERVICES	1,000.00 0.00	1,000.00	325.00-	32.5	675.00	75.00-
36410 RETURNED CHECKS	500.00 0.00	500.00	85.32-	17.1	414.68	120.00
36990 MISCELLANEOUS	6,000.00 0.00	6,000.00	2,970.01-	49.5	3,029.99	285.00-
37110 METERED WATER SALES	701,000.00 0.00	701,000.00	381,811.74-	54.5	319,188.26	57,975.58-
37142 SALES TO PRISONS	612,000.00 0.00	612,000.00	295,691.32-	48.3	316,308.68	45,549.07-
37143 SALES TO CITY OF RIDGELY (LAB FEES)	3,300.00 0.00	3,300.00	1,650.00-	50.0	1,650.00	275.00-
37144 SALES TO REELFOOT LAKE REGIONAL UTILITY	62,170.00 0.00	62,170.00	31,084.80-	50.0	31,085.20	5,180.80-
37190 OTHER OPERATING REVENUES/OVER OR SHORT	4,200.00 0.00	4,200.00	520.93-	12.4	3,679.07	84.17-
37191 FORFEITED DISCOUNTS AND PENALTIES	22,000.00 0.00	22,000.00	12,031.02-	54.7	9,968.98	2,383.18-
37193 SERVICING CUSTOMER INSTALLATIONS	9,000.00 0.00	9,000.00	5,356.00-	59.5	3,644.00	824.00-
37195 RECONNECT CHARGES	4,000.00 0.00	4,000.00	725.00-	18.1	3,275.00	75.00-
37196 WATER TAP FEES	1,000.00 0.00	1,000.00	0.00	0.0	1,000.00	0.00
37197 LINE EXTENSION CHARGES	1,000.00 0.00	1,000.00	0.00	0.0	1,000.00	0.00
37950 CONTRIBUTIONS	570,000.00 0.00	570,000.00	0.00	0.0	570,000.00	0.00
<hr style="border-top: 1px dashed black;"/>						
Total	1,997,170.00 0.00	1,997,170.00	732,251.14-	36.7	1,264,918.86	112,586.80-

ECR Grant 45,000
CRBG Grant 525,000

Statement of Estimated, Realized, And Unrealized Revenue
DECEMBER 31, 2020

413 WATER AND SEWER

	Orig Est Amendments	Total Estimated	Year-To-Date Realized	Percent Realized	Unrealized	Current Revenue
Total Revenue	1,997,170.00 0.00	1,997,170.00	732,251.14-	36.7	1,264,918.86	112,586.80-
Total Other Sources	0.00 0.00	0.00	0.00	0.0	0.00	0.00
Total WATER AND SEWER	1,997,170.00 0.00	1,997,170.00	732,251.14-	36.7	1,264,918.86	112,586.80-

* End of Report: TOWN OF TIPTONVILLE *

Balance Sheet
JANUARY 31, 2021

413 WATER AND SEWER

Fnd-Funct-Obj	Sub Cost	Sub	Account Name	Amount
			Assets	
413-11211			CASH IN BANK-ACCOUNT NO. 1-CHECKING	919,659.32
413-11310			PETTY CASH	50.00
413-11313			CASH IN BANK ACCT NO.-3-RESTRICTED CHECK	98,326.51
413-11314			CASH IN BANK ACCT NO.-4-RESTRICTED CHECK	26,820.00
413-11316			CASH IN BANK ACCOUNT NO 6-RESTRICTED CHE	250,000.00
413-11318			CASH IN BANK ACCOUNT NO 8-RESTRICTED CHE	255,636.65
413-11319			CASH IN BANK ACCOUNT NO 9-RESTRICTED CHE	40.00
413-13221			ACCOUNTS RECEIVABLE - CUSTOMERS	167,726.97
413-13640			ALLOWANCE FOR DOUBTFUL ACCOUNTS	23,808.12
413-16100			LAND	134,078.00
413-16400			EQUIPMENT	608,183.90
413-16510			CONSTRUCTION IN PROGRESS-CAPITAL PROJECT	511,545.00
413-16621			ALLOWANCE FOR DEP - SEWER PLANT	1,990,607.16
413-16631			ALLOW FOR DEP - WATER & SEWER PLT	4,220,314.67
413-18114			NEW WATER TANK	812,684.71
413-18117			NEW WELL	158,677.65
413-18130			NEW WATER PLANT	3,355,948.35
413-18131			LAND	16,924.00
413-18140			WATER TREATMENT PLANT	927,191.11
413-18164			WATER LINES	1,699,395.57
413-18165			METERS	240,224.36
413-18187			COMMUNICATION EQUIPMENT	51,507.66
413-18223			SEWER LINE IMPROVEMENTS	2,058,216.00
413-18225			METERS	5,128.75
413-18233			STRUCTURES & IMPROVEMENT	1,238,735.40
413-18300			WATER LINES PURCHASED W/GRANT FUNDS	387,486.52
413-18325			WATER TANK PURCHASED W/GRANT FUNDS	137,513.47
413-18350			WATER PLANT RENOVATION - GRANT FUNDS	500,000.00
Total Assets				8,326,969.95
Liabilities, Reserves, And Fund Balances				
413-21419			DUE TO GENERAL FUND - GARBAGE	21,779.68
413-21521			DUE TO STATE DEPT OF REV - SALES TAXES	3,639.95
413-21811			ACCRUED INTEREST W/S	15,474.00
413-21850			CAPITAL LEASES PAYABLE - CURRENT	1,987.78
413-21890			OTHER ACCRUED PAYABLES	5,277.16
413-21910			CUSTOMER DEPOSITS	40,824.18
413-21911			WATER METER REFUNDS	5,437.40
413-23133			REVENUE BONDS PAYABLE - NO 3	1,010,000.00
413-23200			NOTES PAYABLE	1,447,503.44
413-27500			INVESTED IN CAPITAL ASSETS, NET OF DEBT	3,711,836.00
413-28000			UNRESTRICTED NET ASSETS	2,344,043.27
Expenditures Exceed Revenues				269,996.97
Total Liabilities, Reserves, And Fund Balances				8,326,931.09

Balance Sheet
JANUARY 31, 2021

413 WATER AND SEWER Sub Cost Sub
Fnd-Funct-Obj -Fnd-Centr-Obj

Account Name
Liabilities, Reserves, And Fund Balances

Amount

Fund Is Out Of Balance

38.86
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G/L Month: 01 JANUARY
Beginning Fund: 413
Ending Fund: 413

* End of Report: TOWN OF TIPTONVILLE *

Statement of Estimated, Realized, And Unrealized Revenue
 JANUARY 31, 2021

413 WATER AND SEWER	Sub Cost	Sub	Orig Est	Total	Year-To-Date	Percent	Unrealized	Current
Funct-Obj - Fnd-Centr-Obj			Amendments	Estimated	Realized	Realized		Revenue
36103 TRANSFER OF SERVICES			1,000.00 0.00	1,000.00	325.00-	32.5	675.00	0.00
36410 RETURNED CHECKS			500.00 0.00	500.00	265.32-	53.1	234.68	180.00-
36990 MISCELLANEOUS			6,000.00 0.00	6,000.00	3,258.01-	54.3	2,741.99	288.00-
37110 METERED WATER SALES			701,000.00 0.00	701,000.00	446,850.14-	63.7	254,149.86	65,038.40-
37142 SALES TO PRISONS			612,000.00 0.00	612,000.00	335,923.28-	54.9	276,076.72	40,231.96-
37143 SALES TO CITY OF RIDGELY (LAB FEES)			3,300.00 0.00	3,300.00	1,925.00-	58.3	1,375.00	275.00-
37144 SALES TO REELFOOT LAKE REGIONAL UTILITY			62,170.00 0.00	62,170.00	36,265.60-	58.3	25,904.40	5,180.80-
37190 OTHER OPERATING REVENUES/OVER OR SHORT			4,200.00 0.00	4,200.00	605.36-	14.4	3,594.64	84.43-
37191 FORFEITED DISCOUNTS AND PENALTIES			22,000.00 0.00	22,000.00	13,542.42-	61.6	8,457.58	1,511.40-
37193 SERVICING CUSTOMER INSTALLATIONS			9,000.00 0.00	9,000.00	6,495.00-	72.2	2,505.00	1,139.00-
37195 RECONNECT CHARGES			4,000.00 0.00	4,000.00	975.00-	24.4	3,025.00	250.00-
37196 WATER TAP FEES			1,000.00 0.00	1,000.00	0.00	0.0	1,000.00	0.00
37197 LINE EXTENSION CHARGES			1,000.00 0.00	1,000.00	0.00	0.0	1,000.00	0.00
37950 CONTRIBUTIONS			570,000.00 0.00	570,000.00	0.00	0.0	570,000.00	0.00

Total			1,997,170.00 0.00	1,997,170.00	846,430.13-	42.4	1,150,739.87	114,178.99-

Statement of Estimated, Realized, And Unrealized Revenue
 JANUARY 31, 2021

413 WATER AND SEWER

Sub Cost Sub Funct-Obj -Fnd-Centr-Obj	Orig Est Amendments	Total Estimated	Year-To-Date Realized	Percent Realized	Unrealized	Current Revenue
Total Revenue	1,997,170.00 0.00	1,997,170.00	846,430.13-	42.4	1,150,739.87	114,178.99-
Total Other Sources	0.00 0.00	0.00	0.00	0.0	0.00	0.00
Total WATER AND SEWER	1,997,170.00 0.00	1,997,170.00	846,430.13-	42.4	1,150,739.87	114,178.99-

* End of Report: TOWN OF TIPTONVILLE *

Balance Sheet
FEBRUARY 28, 2021

413 WATER AND SEWER

Fnd-Funct-Obj-Fnd-Centr-Obj	Sub Cost Sub	Account Name	Amount
413-11211		CASH IN BANK-ACCOUNT NO. 1-CHECKING	950,256.65
413-11310		PETTY CASH	50.00
413-11313		CASH IN BANK ACCT NO.-3-RESTRICTED CHECK	98,326.51
413-11314		CASH IN BANK ACCT NO.-4-RESTRICTED CHECK	26,820.00
413-11316		CASH IN BANK ACCOUNT NO 6-RESTRICTED CHE	250,000.00
413-11318		CASH IN BANK ACCOUNT NO 8-RESTRICTED CHE	255,636.65
413-11319		CASH IN BANK ACCOUNT NO 9-RESTRICTED CHE	40.00
413-13221		ACCOUNTS RECEIVABLE - CUSTOMERS	169,381.50
413-13640		ALLOWANCE FOR DOUBTFUL ACCOUNTS	23,808.12-
413-16100		LAND	134,078.00
413-16400		EQUIPMENT	608,183.90
413-16510		CONSTRUCTION IN PROGRESS-CAPITAL PROJECT	511,545.00
413-16621		ALLOWANCE FOR DEP - SEWER PLANT	1,990,607.16-
413-16631		ALLOW FOR DEP - WATER & SEWER PLT	4,220,314.67-
413-18114		NEW WATER TANK	812,684.71
413-18117		NEW WELL	158,677.65
413-18130		NEW WATER PLANT	3,355,948.35
413-18131		LAND	16,924.00
413-18140		WATER TREATMENT PLANT	927,191.11
413-18164		WATER LINES	1,699,395.57
413-18165		METERS	240,224.36
413-18187		COMMUNICATION EQUIPMENT	51,507.66
413-18223		SEWER LINE IMPROVEMENTS	2,058,216.00
413-18225		METERS	5,128.75
413-18233		STRUCTURES & IMPROVEMENT	1,238,735.40
413-18300		WATER LINES PURCHASED W/GRANT FUNDS	387,486.52
413-18325		WATER TANK PURCHASED W/GRANT FUNDS	137,513.47
413-18350		WATER PLANT RENOVATION - GRANT FUNDS	500,000.00
Total Assets			8,359,221.81
Liabilities, Reserves, And Fund Balances			
413-21419		DUE TO GENERAL FUND - GARBAGE	21,914.88-
413-21521		DUE TO STATE DEPT OF REV - SALES TAXES	3,507.27-
413-21811		ACCRUED INTEREST W/S	15,474.00-
413-21850		CAPITAL LEASES PAYABLE - CURRENT	1,987.78-
413-21890		OTHER ACCRUED PAYABLES	5,277.16-
413-21910		CUSTOMER DEPOSITS	40,824.18-
413-21911		WATER METER REFUNDS	5,437.40
413-23133		REVENUE BONDS PAYABLE - NO 3	1,010,000.00-
413-23200		NOTES PAYABLE	1,447,503.44-
413-27500		INVESTED IN CAPITAL ASSETS, NET OF DEBT	3,711,836.00-
413-28000		UNRESTRICTED NET ASSETS	2,344,043.27-
Expenditures Exceed Revenues			237,747.63
Total Liabilities, Reserves, And Fund Balances			8,359,182.95-

Balance Sheet
FEBRUARY 28, 2021

413 WATER AND SEWER Sub Cost Sub
Fnd-Funct-Obj - Fnd-Centr-Obj

Account Name
Liabilities, Reserves, And Fund Balances

Amount

Fund Is Out Of Balance

38.86
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* End of Report: TOWN OF TIPTONVILLE *

Statement of Estimated, Realized, And Unrealized Revenue
 FEBRUARY 28, 2021

413 WATER AND SEWER	Sub Cost	Sub	Orig Est	Total	Year-To-Date	Percent	Unrealized	Current
Funct-Obj - Fnd-Centr-Obj			Amendments	Estimated	Realized	Realized		Revenue
36103 TRANSFER OF SERVICES			1,000.00 0.00	1,000.00	490.00-	49.0	510.00	165.00-
36410 RETURNED CHECKS			500.00 0.00	500.00	155.43-	31.1	344.57	109.89
36990 MISCELLANEOUS			6,000.00 0.00	6,000.00	4,333.63-	72.2	1,666.37	1,075.62-
37110 METERED WATER SALES			701,000.00 0.00	701,000.00	509,103.80-	72.6	191,896.20	62,253.66-
37142 SALES TO PRISONS			612,000.00 0.00	612,000.00	376,330.45-	61.5	235,669.55	40,407.17-
37143 SALES TO CITY OF RIDGELY (LAB FEES)			3,300.00 0.00	3,300.00	2,200.00-	66.7	1,100.00	275.00-
37144 SALES TO REELFOOT LAKE REGIONAL UTILITY			62,170.00 0.00	62,170.00	41,446.40-	66.7	20,723.60	5,180.80-
37190 OTHER OPERATING REVENUES/OVER OR SHORT			4,200.00 0.00	4,200.00	605.36-	14.4	3,594.64	0.00
37191 FORFEITED DISCOUNTS AND PENALTIES			22,000.00 0.00	22,000.00	15,262.58-	69.4	6,737.42	1,720.16-
37193 SERVICING CUSTOMER INSTALLATIONS			9,000.00 0.00	9,000.00	7,469.00-	83.0	1,531.00	974.00-
37195 RECONNECT CHARGES			4,000.00 0.00	4,000.00	1,025.00-	25.6	2,975.00	50.00-
37196 WATER TAP FEES			1,000.00 0.00	1,000.00	0.00	0.0	1,000.00	0.00
37197 LINE EXTENSION CHARGES			1,000.00 0.00	1,000.00	0.00	0.0	1,000.00	0.00
37950 CONTRIBUTIONS			570,000.00 0.00	570,000.00	0.00	0.0	570,000.00	0.00

Total			1,997,170.00 0.00	1,997,170.00	958,421.65-	48.0	1,038,748.35	111,991.52-

Statement of Estimated, Realized, And Unrealized Revenue
 FEBRUARY 28, 2021

413 WATER AND SEWER

Sub Cost Sub Funct-Obj - Fnd-Centr-Obj	Orig Est Amendments	Total Estimated	Year-To-Date Realized	Percent Realized	Unrealized	Current Revenue
Total Revenue	1,997,170.00 0.00	1,997,170.00	958,421.65-	48.0	1,038,748.35	111,991.52-
Total Other Sources	0.00 0.00	0.00	0.00	0.0	0.00	0.00
Total WATER AND SEWER	1,997,170.00 0.00	1,997,170.00	958,421.65-	48.0	1,038,748.35	111,991.52-

* End of Report: TOWN OF TIPTONVILLE *

Section B
Question #8

**PRELIMINARY ENGINEERING REPORT
2019 CDBG - SANITARY SEWER REHABILITATION PHASE I
CITY OF TIPTONVILLE
LAKE COUNTY, TN**

FEBRUARY 2019

Cliff Berry, Mayor



Joel B. Spaulding & Company, inc.

CONSULTING ENGINEERS

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**PRELIMINARY ENGINEERING REPORT
SEWER SYSTEM REHABILITATION PHASE I
CITY OF TIPTONVILLE, LAKE COUNTY, TENNESSEE**

I. PROJECT PLANNING

A. Location

The proposed project will be undertaken entirely within the corporate limits of the City of Tiptonville and will benefit the sewerred population.

The City of Tiptonville is situated in Lake County in the northwest corner of Tennessee. The Mississippi River forms the western boundary and part of the northern boundary of the general project area. The terrain is entirely on the bottom land of the Mississippi River. The elevation ranges from 265 to 280 feet next to the river and from 270 to 310 feet in the eastern part of the county.

Lake County contains some of the most fertile and productive soils in the state. The area lies within the Reelfoot-Tiptonville-Adler soil association, which contains some of the most desirable farmland in Lake County. Most of the territory is cultivated, and cotton, corn, and soybeans are the main crops. Most of the prime farmland is within the floodplain and is limited by poor drainage conditions. Farmland takes up about 80 percent of Lake County.

The vicinity east of the project area is rich in recreational resources. Winter and spring bring many visitors to the wooded areas for hunting and fishing. Part of the woodland is owned by the Tennessee Wildlife Resources Agency (TWRA) and welcomes bird watchers, fisherman, and hunters of squirrel, raccoon, deer, and waterfowl. Reelfoot Lake contains a great variety of shore and wading birds, golden and bald eagles, and a vast array of other animals and plants.

Tiptonville is situated squarely in the New Madrid Seismic Zone and experiences frequent earthquakes.

B. Environmental Resources Present

Reelfoot Lake State Park lies northeast of Tiptonville. The Reelfoot Lake National Wildlife Refuge and the Reelfoot Lake State Wildlife Management Area are in the vicinity to the east of the Lake Isom National Wildlife Refuge is about four miles south of Tiptonville.

Being bound on the west and north by the Mississippi River and the east by Reelfoot Lake, much of the surrounding area lies in the flood hazard area as indicated by the FEMA Flood Insurance Rate Maps. Inside Tiptonville the 100-year flood elevation is 294.5 and the 500-year flood elevation is 296.2. Most of Lake County is protected from 100-year floods from the Mississippi River by the adjacent levy system.

During prior Executive Order 12372 Reviews, the State Historic Preservation Officer did not note any historical / archaeological properties in the immediate project area.

C. Population Trends

The 2010 U.S. Census indicates that the City of Tiptonville's population is 4,464 persons, which includes 2,411 inmates incarcerated at the Northwest Correctional Complex. The City proper is a very small, rural west Tennessee town with a population of 2,053. The City's population consists of an aging demographic with few opportunities for employment. The 2010 U.S. Census data indicates that Tiptonville's minority population percentage is 42.6% with the black or African American population making up 40.2% of the overall population. Lake County experienced a negative 1.53% population growth between 2000 and 2010.

D. Community Engagement

The Mayor and Board of Aldermen of the City of Tiptonville meet monthly at City Hall, which is located at 130 South Court Street in Tiptonville on the second Tuesday of each month. All persons are invited to attend these duly advertised meetings, and interested individuals frequently attend. The subject project as well as the listed alternatives have been openly planned and discussed frequently during these meetings regularly since 2018. The public has had full opportunity for involvement and comment. A public hearing to discuss the 2019 CDBG application was held December 6, 2019. Most recently, the proposed project and CDBG application was discussed during the regular meeting of the Tiptonville Board of Aldermen held in February of 2019.

II. EXISTING FACILITIES

A. Location Map

Exhibit "A" attached to this report presents a detailed GIS-based system map of Tiptonville's sewage collection system. Since there are very few surviving design drawings of the Tiptonville sewage collection system, the map was compiled primarily from drawings prepared by Allen & Hoshall in 1967. The 1967 drawings included a sewage collection system map depicting both the proposed sewer improvements and the system as existed at that time (which is about 85% of the current system in use). Of note is that the pipe material used for of both the proposed and the "existing" collectors were not indicated on the 1967 drawings.

The current system map is an Esri ArcMap-based (GIS) digital map. A high resolution (1-inch or less pixel) orthophoto covering 1,065 acres was produced, using an unmanned aerial vehicle, to serve as the base map. A digital surface model featuring 1-foot contours was also produced. The sanitary sewer system map is attached to this report as Exhibit "A."

The map was completed using a combination of techniques, including digitization of the data thought reliable on all available existing paper maps, field locates of manholes and other appurtenances using GPS devices, and performing a few visual inspections of manholes to ascertain the alignment of connected sewer mains and the condition of the manholes.

Tiptonville's storm sewer system was also mapped simultaneously based on the available data.

The map will be used extensively to assess, plan, and implement the rehabilitation and repair of Tiptonville's sewage collection system. Each manhole and pipe have been assigned a strategic number.

The map will be continuously updated, and its associated geodatabases populated as new information becomes available. When warranted, a hydraulic model of the sewage collection system will be implemented.

B. History

No drawings or records have survived providing information about the City's sewage collection system constructed prior to 1967. Based on the few surviving system maps, most of the collection system was in place prior to 1967 and was probably constructed in the late 1940's or early 1950's. The City originally relied upon a facultative lagoon for treatment. In 1967, upgrades were constructed to the collection system as EDA Project Number 04-1-00171.

In 1983, the facultative lagoon was abandoned, and a new aerated lagoon was constructed adjacent to it as part of EPA Project Number C470698-01-0.

C. Condition of the Existing Facilities

1. Collection System

The known condition of Tiptonville's collection system is documented later in this report in Section III, "Need for Project."

Tiptonville's gravity collection system is thought to be comprised of 238 manholes plus the following schedule of pipes, age, material, and condition mostly unknown:

Diameter	Linear Feet	Comments
4" Pipe	955	Around Lake Point Apts.; PVC, probably SDR 35
6" Pipe	3,016	Around Lake Point Apts.; PVC, probably SDR 35
8" Pipe	44,261	5,000 L.F. known to be PVC, probably SDR 35
10" Pipe	15,237	Material and condition unknown
12" Pipe	10,681	3,566 L.F. known to be PVC, probably SDR 35
15" Pipe	917	Around abandoned H.I.S. factory

Additionally, the Northwest Correctional Complex pumps wastewater at 800 GPM to the Tiptonville lagoon via a dedicated 12" force main. The 12" prison force main was also recently extended to the Port of Cates Landing and the Lake County Regional Industrial Park, although there are no users currently discharging sewage at either location.

Tiptonville's collection system is divided into three major drainage basins which drain to either the Elm Street, Cherry Street, or Hays Street lift stations. Exhibit "B" attached to this report depicts the areas inside each drainage basin.

The footage of pipe and number of manholes in each basin appear below:

Pipes Within Elm Street Drainage Basin

4"	0	Linear Feet
6"	139	Linear Feet
8"	22,475	Linear Feet
10"	3,478	Linear Feet
12"	6,728	Linear Feet
15"	917	Linear Feet
Total	33,738	Linear Feet
Manholes	99	Each

Pipes Within Cherry Street Drainage Basin

4"	823	Linear Feet
6"	1,622	Linear Feet
8"	5,353	Linear Feet
10"	11,501	Linear Feet
12"	361	Linear Feet
15"	0	Linear Feet
Total	19,661	Linear Feet
Manholes	61	Each

Pipes Within Hays Street Drainage Basin

4"	131	Linear Feet
6"	1,256	Linear Feet
8"	16,429	Linear Feet
10"	0	Linear Feet
12"	3,592	Linear Feet
15"	0	Linear Feet
Total	21,408	Linear Feet
Manholes	73	Each

2. Lift Stations

Tiptonville's collection system is divided into three major drainage basins which drain to either the Elm Street (900 GPM), Cherry Street (820 GPM), or Hays Street (500 gpm) Lift stations. The force mains from these lift stations discharge individually into the Tiptonville lagoon.

The Lake Street (250 GPM) and Highway 22 Lift Stations are in the Hays Street Lift Station drainage basin. The Keystone Lift Station is in the Cherry Street Lift Station drainage basin.

The City replaced the Cherry Street and Elm Street lift stations during 2017 using USDA Rural Development funds, with flood-proofed, above ground lift stations constructed to survive a 500-year flood event. The lift stations feature emergency generator

connections. Tiptonville acquired a portable generator capable of operating the lift stations in the event of an extended power failure.

The Hays Street, Lake Street, and Highway 22 lift stations were constructed between 2002 and 2003. The Hays Street station has dedicated on-site emergency power generator. The Lake Street lift station has a connector for the portable generator. All are in good repair.

The Keystone Lift Station was constructed in 1968 but remains operable and in fair condition.

3. Lagoon

In recent years, Tiptonville has been pro-active in maintaining their sewage treatment lagoon, largely due to the availability of CDBG funds.

During 2017 and 2018, the lagoon was fully dredged (for the first time) and solids wasted. Concurrently, the lagoon aeration system was updated with all the floating aerators being rebuilt or replaced, the lagoon baffle curtain was replaced, the baffle wall in the chlorine contact chamber was repaired, and a mechanical augur screen was installed at the headworks to capture the heavy trash content present in the waste stream from the Northwest Correctional Complex.

The City's 2.5 MGD sewage treatment lagoon is a regional facility serving much of Lake County and the towns of Hornbeak and Samburg in Obion County. The City serves 820 residential and commercial customers inside its corporate limits, including the 2,300 bed Northwest Correctional Complex. The Tiptonville lagoon also treats sewage from the Reelfoot Lake Regional Utility and Planning District, which serves 595 customers and includes the Town of Samburg, and from the Town of Hornbeak, which serves 80 customers.

Wastewater flows into the plant vary seasonally. Many of the resorts and residences surrounding Reelfoot Lake are inhabited only during outdoor recreational seasons. The Tiptonville municipal system exhibits significant infiltration and inflow during rain events. The seasonal water table surrounding Tiptonville varies with the elevation of the Mississippi River and is very high much of the year. Shallow water frequently covers the low-lying areas for weeks at a time. The Reelfoot Lake Regional Utility and Planning District system is a grinder / low pressure sewer system appearing to be less prone to infiltration and inflow. Flows are steady from the Northwest Correctional Complex and typically range 150 gallons per capita-day.

Tiptonville's lagoon operates under NPDES Permit TN0026409 and discharges into the Mississippi River at Mile 872.5. The Mississippi River is a 303(d) listed river. The permit provides for "relaxed secondary" standards, summarized as having average monthly effluent limitations of 45 mg/L BOD and 100 mg/L suspended solids. All mechanical and electrical facilities at the lagoon have been almost entirely replaced through a series of improvements undertaken between 2008 and 2018.

Tiptonville's sewage lagoon is a diked depression located some distance from the community and oriented so that winds do not carry odors toward residential areas.

D. Financial Status of Existing Facilities

Tiptonville's most recent Audit Report can be seen on the Tennessee Comptroller's website and is included in this application.

1. Current Water and Sewer Rate Schedules as of February 2019

Municipal Water Rates

Rate Classification	1 st 1,000 Gal.	Over 2,000 Gal. (Per 1,000 Gal.)
22 (Residential)	\$22.40	\$3.50
35 (Commercial)	\$20.40	\$3.50
50 (Apts., Ind.)	\$62.25	\$4.55
Flat Rate	\$24.50	-
NW Correctional	\$2,995.81	\$2.95

Municipal Sewer Rates

Rate Classification	1 st 1,000 Gal.	Over 2,000 Gal. (Per 1,000 Gal.)
201	\$15.70	\$2.50
202	\$15.70	\$2.50
203	\$43.60	\$3.20
205	\$43.60	\$3.20
Flat Rate	\$15.60	-
NW Correctional	\$2,396.64	\$2.36
RU&PD Flat Rate	\$5,180.80	-

As of June 30, 2018, there were 1,003 water customers and 789 sewer customers for the entire system.

The objective of the proposed project is to decrease infiltration and inflow into Tiptonville's sewage collection system and thereby reduce power costs and other operational costs.

Since organic growth in Tiptonville's customer base will be modest at best, having experienced a net loss of sewer customers over the last several years, a new focus must be placed on maintaining the existing facilities. New revenues, if any, will likely be inadequate to replace the City's aging infrastructure. Accordingly, maintenance of the infrastructure in place is clearly mandated.

2. Annual Operations and Maintenance Costs

Tiptonville's Audit breaks out the annual operations and maintenance (O&M) cost of the lagoon during FY 2018. The FY 2018 O&M costs, including depreciation, was \$376,593. Of this, the cost of electricity was is \$70,924, or 19% of the overall cost, and 28% of the operating cost before depreciation.

The costs associated with operating the sewage collection system are lumped together with the Water Department expenses. The most significant cost attributable to the sewage collection system is the cost of the electricity necessary to operate Tiptonville's seven sewage lift stations.

3. Other Capital Improvement Projects

Tiptonville constructed the following capital improvements during 2012 to present:

- a. Replacement of 8,000 linear feet of aging cast iron water main with 10 inch and 8-inch PVC main along Lake Street, including replacement of all service assemblies and tie-ins as part of a 2013 CDBG project.
- b. Replacement of remaining water meters with AMR meters and replacement of aging water mains as part of a 2014 CDBG project.
- c. Repair / replacement of aerators at sewage lagoon, dredging of lagoon; replacement of baffle curtain, and modifications /repairs to Chlorine Contact Chamber at lagoon as part of their 2016 CDBG project.
- d. Extension of 12-inch force main and 12-inch water main to Port of Cates Landing as funded by TVA InvestPrep and TNECD Site Development grants.
- e. Replacement of metal building housing the north wing of the water plant using USDA Rural Development (USDA-RD) funds.
- f. Refurbishment of forced draft aerators at water plant (USDA-RD).
- g. Replacement of raw and finished water meters at water plant (USDA-RD).
- h. Obtaining towable emergency standby generator for lift stations and pump stations (USDA-RD).
- i. Obtained sewer inspection camera and sewer jetter (USDA-RD).
- j. Repainting of S.R. 212 elevated water tank (local funds).
- k. Currently underway, the City will drill a new 1,000 GPM well at the water treatment plant during spring of 2019 (TNECD Site Development Grant).

4. Status of Existing Debts and Required Reserve Accounts

Tiptonville is current on all existing debts and has fully funded all required reserve accounts.

E. Water / Waste Audits

An unaudited assessment of unaccounted for water appears in Tiptonville's *Audit Report*. For the year ending on June 30, 2018, Tiptonville's percent unaccounted for water was 20.7%. It is of note that for the year ending on June 30, 2010, Tiptonville's percent unaccounted for water was 60.33%. Clearly, the City's current Superintendent of Utilities, promoted during early 2017, has been actively working to remedy decades of water and sewer system neglect.

Tiptonville has been actively and diligently locating and repairing water leaks, replacing aging meters, and replacing aging service connections to reduce water system losses.

The City is now, in similar fashion, motivated to rid the sewage collection system from as much infiltration and inflow as is practical.

III. NEED FOR PROJECT

A. Health, Sanitation, and Security

The proposed project includes improvements to various elements of the City of Tiptonville's sewage collection system which are known to be deteriorating, mostly due to age, and somewhat due to neglect. Infiltration and inflow entering the system is:

1. Robbing the lift stations of available pumping capacity and adding to pump run times, which in turn increases electricity and maintenance expenses.
2. Similarly, robbing the lagoon of its available treatment capacity and contributing to documented permit violations, specifically in effluent BOD limits.
3. Predictably leading to bypasses and/or overflows at lift stations and manholes across the system.

B. Aging Infrastructure and System Operations and Maintenance

1. Infiltration and Inflow

Tiptonville experiences significant rainfall-derived infiltration and inflow ("RDII") during rain events of any magnitude. The area, immediately adjacent to the Mississippi River, has a seasonally-high water table just a few feet below ground level which adds to the problem. Frequent seismic activity has also probably contributed to deterioration of the system. A summary of the influent flows as reported on Tiptonville's "Monthly Operations Reports" (MORs) appears below. The MORs are included by reference to this report and are being submitted with Tiptonville's CDBG application.

SUMMARY OF INFLUENT FLOWS AT TIPTONVILLE LAGOON					
(THOUSAND GALLONS)					
<u>Month</u>	<u>Minimum</u>	<u>Maximum</u>	<u>Max/Min</u>	<u>Average</u>	<u>Total</u>
May-17	787	2,355	299%	1,093	33,896
Jun-17	744	973	131%	853	25,601
Jul-17	698	1,034	148%	785	24,334
Aug-17	689	933	135%	774	23,990
Sep-17	696	933	134%	785	23,540
Oct-17	613	820	134%	697	21,620
Nov-17	539	1,793	333%	796	23,890
Dec-17	543	1,188	219%	803	24,900
Jan-18	788	1,413	179%	1,055	32,700
Feb-18	749	2,397	320%	1,312	36,750
Mar-18	893	2,043	229%	1,161	35,990
Apr-18	826	1,917	232%	<u>1,068</u>	<u>32,050</u>
		Totals		11,182	339,261
	Average for Year			932	

Since the demand from Tiptonville's customer as is extremely consistent, the high ratios of the Maximum Flows vs. Minimum Flows as reported above are conclusive evidence that the system is plagued with excessive rainfall-derived infiltration and inflow.

Exhibit "C" is a letter dated April 26, 2018 to Tiptonville from the TDEC Jackson Environmental Assistance Center noting that excessive RDII is a problem.

In evaluating the available flow data that documents this problem, the daily influent flow records from the Tiptonville lagoon were obtained. Tiptonville has two flow meters on the headworks at the Tiptonville lagoon. One flow meter measures the sewage flows coming from the Tiptonville collection system and the Northwest Correctional Complex. The second meter measures the sewage flows from the Reelfoot Lake Regional Utility and Planning District and the Hornbeak municipal systems.

The Operator determines daily flows based on daily totalizer readings less the prior day's total reading. While this methodology is sound, the operator is only present to record the flows Monday through Wednesday. Therefore, the influent flow records for Wednesday through Sunday are recorded as the average of the total flow recorded from Wednesday through Sunday, not the daily flow. This renders the flow records inadequate for use in evaluating the correlation between rainfall and daily flow at the plant. Regardless, this is the best data available.

Similarly, the nearest official rain gauge is at Dyersburg, TN, some 35 miles to the south. There is probably a weak correlation between rainfall records at Dyersburg and actual rainfall at Tiptonville, TN. Tiptonville's lagoon operator inconsistently records local rainfall data from time to time on the Monthly Operating Reports (MORs). Regardless, this is best and most reliable data available.

The Northwest Correctional Complex system includes very little gravity sewer on the compound and is also thought less prone to RDII. Accordingly, most of the RDII coming into the Tiptonville lagoon is coming from Tiptonville proper. However, Tiptonville should request access to any gravity flow segments of the Northwest Correctional Complex and perform visual spot check with Corrections personnel to identify any actual or potential sources of RDII and seek TDOC's commitment to remedy them.

The flow meters at the Tiptonville lagoon further indicate that the Reelfoot Lake Regional Utility and Planning District system and/or the City of Hornbeak sewer system contribute to RDII, though to a lesser extent. However, Tiptonville should encourage both parties to assess any actual or potential sources of RDII and seek their commitment to remedy them.

2. Deterioration Resulting from Age Beyond Useful Life

Since no drawings or records have survived that provide information about the parts of the City's gravity sewage collection system constructed prior to 1967, the actual age of the system is unknown. It is believed that the gravity sewers serving the populated core of Tiptonville were probably constructed post-World War II in the late 1940's or early 1950's. Regardless, with only a few known exceptions, the newest pipes and manholes of the collection system are 52 years old, and the older pipes and manholes are approximately 70 years old.

Tiptonville recently acquired a sewer jetter and inspection camera during late summer 2018. Having used the jetter and camera quite a few times since then, the operators report the following:

- a. Most calls are initiated from clogged sewer mains.
- b. Where cast iron mains have been encountered, the mains were difficult to clear with the jetter. The interior of the cast iron mains is so severely corroded that solids snag, accumulate, and become encrusted on the splintered metal.
- c. Where clay pipe has been encountered, the Operator reports that every joint of the clay pipe has separated, and the pipe alignment is "staggered."
- d. Where PVC pipe has been encountered, the Operator reports that the PVC is clearly thin wall pipe and broken in many places.
- e. The Operator reports that both brick and concrete manhole structures have been encountered but did not take notice of their condition.

A manhole recently collapsed on Keystone Street which, when inspected, was found to be in catastrophic failure. The little concrete remaining was found in rubble at the bottom of the manhole. The manhole walls were primarily formed by the surrounding soil. The entire manhole required complete replacement. The original manhole is thought to have been installed in 1968.



Figure 1. Photograph showing the condition of the Keystone St. manhole constructed in 1968.

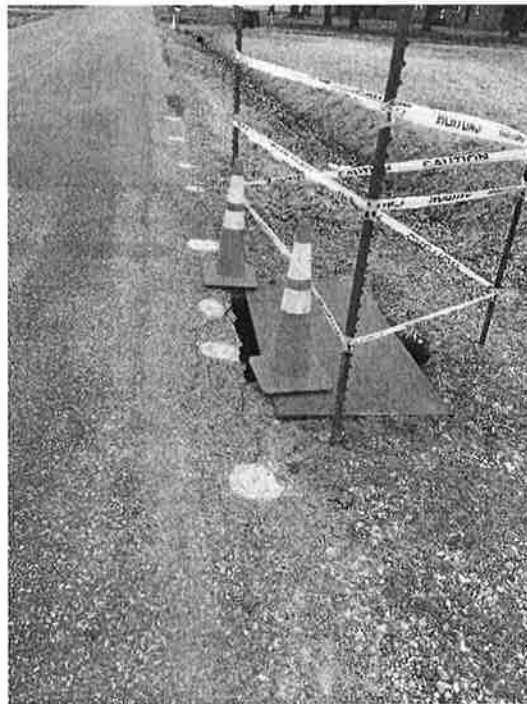


Figure 2. Photograph showing the collapsed Keystone St. manhole constructed in 1968.

The downstream manhole was inspected and found in poor condition as well. It should be noted that most of Tiptonville's manholes were constructed prior to 1968.

3. Evidence of Neglect

The only known smoke tests performed in Tiptonville were undertaken during the Summer of 2015 when 6,900 linear feet of smoke testing was performed. A map showing the area subjected to smoke testing are attached to this report as Exhibit "D-1." The details and recommendations resulting from this work are attached to this report as Exhibit "D-2."

These results are probably indicative of what might be discovered if further smoke testing is undertaken citywide, including:

- a. Several instances of combined sanitary and storm sewer.
- b. Significant instances of "low hanging fruit" (missing cleanout caps, open services where homes have been demolished, etc.).
- c. Several instances of lost manholes, either paved over or buried.

Unfortunately, Tiptonville's work crew during 2015 never followed up on any of the findings of the 2015 smoke tests, and none of the repairs were ever performed, including the "low hanging fruit". *(Since that time, nearly all the City's utility employees have been replaced. Tiptonville's current Superintendent of Utilities has made significant strides in catching up on deferred maintenance, first attacking issues at the lagoon and with the water system, and now ready to face the overwhelming neglect of Tiptonville's sewage collection system.)*

As regards item "c" above, records clearly document that Tiptonville undertook a major street paving project in 1996. At least 27 manholes were scheduled to be raised to street grade as part of the paving project, including three manholes that had previously been paved over. Bids overran, and the Mayor instructed the engineer to take the manhole work out of the paving contract, indicating that the City forces would raise the manholes prior to paving. When the paving crew arrived, the Mayor simply instructed the Contractor to pave over the manholes. The most tragic detail is that the City saved a paltry \$4,000 by not raising the manholes at that time. Numerous water valves were paved over as well. These manholes, and probably many more, have remained paved over and unopened since that time. The table below details the streets where these buried manholes lie:

Road Name	No. of Buried MH
Cherry St. (Church St. to Foster St.)	6
Foster St. (Cherry St. to Algee St.)	1
Algee St. (Church St. to Foster St.)	3
N. Main St. (Church St. to Court St.)	4
Lake St. (Leduke St. to S.R. 78)	11
Leduke St. (Church St. to Lake St.)	2

There are likely numerous other manholes obscured by pavement or simply covered up in other locations across the system.

C. Customer Base and Sewer System Revenue Growth/Decline

Lake County experienced a negative 1.53% population growth between 2000 and 2010. Lake County's per capita and median household incomes are below half of the U.S. averages.

Tiptonville's customer base and associated sewer system revenues are likely to decline as the population ages and the younger persons leave the rural community due to a lack of employment opportunities. Since Lake County is ranked as one of the lowest income counties in the entire United States, system revenues for the major repair or replacement of infrastructure are scarce and dwindling.

Currently, TNECD and others have launched exhaustive efforts to secure an industrial entity to utilize the Port of Cates Landing and/or the adjacent Lake County Regional Industrial Park. Tiptonville is the sole source of water and sewer service available to the Port. This project will support the efficient operation of Tiptonville's sewage system which is necessary to free up treatment capacity in order to accommodate the development of the Port.

If growth is to come to Lake County and Tiptonville, it will be as a result of the success of the Port of Cates Landing in attracting industrial or commercial employers to the region.

IV. ALTERNATIVES CONSIDERED

A. Do Nothing

The City of Tiptonville's sanitary sewer system is aging, requires constant maintenance, and does not operate efficiently. Indications are that many of the pipes and manholes have reached the end of their useful life and are badly in need of repair or replacement. Additionally, the manholes under pavement preclude inspection activities.

If nothing is done, the volumes of rainfall-derived infiltration and inflow will increase, and:

1. The region could suffer negative economic impact if an industrial prospect is lost at the Port of Cates Landing or the adjacent Lake County Regional Industrial Park due to insufficient available sewage treatment capacity at the Tiptonville lagoon.
2. Tiptonville will likely experience more frequent BOD and SS NPDES Permit violations at the lagoon. Tiptonville will be prematurely pressured to expand its sewage treatment lagoon or build a new sewage treatment plant. This will greatly impact sewer rates not only for Tiptonville, but for the Tennessee Department of Corrections, the Reelfoot Lake Regional Utility and Planning District, and the Town of Hornbeak, causing negative economic impact across the entire region.
3. Increasing RDII will soon cause sewage bypasses and overflows, leading to a possible sewer moratorium and probably TDEC enforcement action, including fines and penalties.
4. Chronic failure and the collapse of pipes and manholes is predicted, requiring urgent repairs, probably by outside contractors charging a premium for emergency mobilization.

The “do nothing” alternative presents a distinct risk of both negative economic impacts as well a risk to the health and safety of City residents and personnel, leaving an overwhelming operation and maintenance problem to Tiptonville’s utility department.

B. Comprehensive Sewer System Rehabilitation

Tiptonville is faced with a formidable problem that can only be approached in a systematic manner. In order to solve Tiptonville’s excessive 50.75% annual “Rainfall Derived Infiltration and Inflow” (RDII) problem, Tiptonville must:

1. Locate and identify all assets of the sewer collection system;
2. Inspect the pipes, manholes, and service laterals which comprise the system to determine their condition;
3. Analyze the resulting data, setting priorities for and deciding the most cost-effective repairs and replacements;
4. Implement the most cost-effective solutions for RDII remediation.

V. PROPOSED PROJECT (RECOMMENDED ALTERNATIVE)

A. Repairs Identified by 2015 Smoke Testing

The proposed project will include performing all repairs numbered 3 through 12 as identified in Tiptonville’s 2015 Smoke Test and listed in Exhibit “D-2.”

B. Installation of SCADA Monitored Flow Meters on Influent Force Mains at Lagoon

The proposed project includes the installation of four strap-on flow meters on the incoming force mains at the Tiptonville lagoon to accomplish continuous flow monitoring in Tiptonville’s three major drainage basins plus the Northwest Correctional Complex collection system. Currently the flows from these four force mains combine in a stilling chamber upstream of a Parshall flume, where only the combined flows are recorded.

Since the Elm Street, Cherry Street, Hays Street, and Northwest Correctional Complex lift stations each pump to the Tiptonville lagoon through individually dedicated force mains, monitoring the flows through each of these force mains will accomplish flow monitoring of Tiptonville’s three major drainage basins plus the Northwest Correctional Complex collection system.

Each force main extends vertically from underground to a point above the wall of the stilling chamber before turning down into the chamber. The vertical runs provide a ready location for installation of the proposed strap-on meters.



Figure 3 (2015). Photograph depicting three of the four incoming force mains entering the stilling chamber at the Tiptonville lagoon. Strap-on meters to be installed on vertical runs. Fourth force main not shown (installed in 2017 w/ augur screen).



Figure 4 (2015). Three of the four incoming force mains entering the stilling chamber at the Tiptonville lagoon. Strap-on meters to be installed on vertical runs. Fourth force main not shown (installed in 2017 w/ augur screen).

Additionally, a cellular based SCADA unit will be installed at the lagoon to continuously monitor the four proposed strap-on flow meters as well as the two existing two influent and one existing effluent meter.

Meters the flows from the individual basins in this manner allows the severity of the RDII problem to be evaluated in each of the three drainage basins. The SCADA system will allow Tiptonville's operators to monitor and permanently log flows via cloud-based software accessible from any smart phone or computer. The SCADA software has intuitive graphical user interfaces that allow use by persons without advanced computer skills.

C. Installation of SCADA Monitored Rain Gauge at Lagoon

The SCADA unit described above will also be used to continuously log and monitor a proposed rainfall gauge. The rain gauge will be used to correlate the wastewater flow data recorded from each lift station to rainfall events, giving a good measure of RDII before and after RDII remediation activities.

D. Manhole Excavation, Frame Adjustments to Street Level, and Initial Condition Assessment

Approximately 27 manholes known to be under pavement will be located, excavated, and inspected. Manhole defects will be identified in accordance with the NASSCO Manhole Assessment and Certification program. Additionally, a "zoom" camera will be lowered into each manhole to obtain views of all pipes intersecting each manhole, thereby allowing a visual assessment of each intersecting pipe's diameter, material, and condition. Each manhole frame will be raised to street grade and the surrounding pavement will be restored.

E. Initial Condition Assessment of Manholes at Grade

The remaining 211 at-grade manholes will be inspected. Manhole defects will be identified in accordance with the NASSCO "Manhole Assessment and Certification" program. Additionally, a "zoom" camera will be lowered into each manhole to obtain views of all pipes intersecting each manhole, thereby allowing a visual assessment of each intersecting pipe's diameter, material, and condition.

F. Comprehensive Smoke Testing of Collection System

Tiptonville's prior smoke testing efforts, although limited to 6,900 feet of collector, identified numerous defects, with many being readily remedied at a very low cost. Accordingly, the proposed project includes smoke testing across the remainder of the entire collection system in accordance with NASSCO specifications and smoke testing guidelines, and the Contractor will provide a log identifying the location and nature of all defects using NASSCO data codes and database structure.

G. Repairs Identified by Smoke Testing and Manhole Assessments

As the smoke testing and manhole evaluation progresses, and defects identified, all readily accomplished repairs and replacements will be performed. Specifically, missing or broken

cleanout caps will be replaced, connected roof gutter drains will be disconnected, patio and area drains will be disconnected, and shallow point repairs to mains and service laterals will be repaired where accessible and practical, etc.

H. Closed-Circuit Television Camera Pipe Inspection

Funds for CCTV inspection of 5,000 L.F. of gravity sewers are being budgeted, with funds for an additional 1,500 L.F. of extra heavy cleaning being budgeted as well.

Where warranted as practical, based upon the results of the smoke testing and information derived from the “zoom” camera images, selected segments of the collection system will be subjected to inspection via closed-circuit television camera (“CCTV”) in accordance with NASSCO specifications and guidelines for CCTV Inspection, defect logging and coding, and database structure.

Anecdotal evidence provided by Tiptonville’s utility personnel indicate that, given the age of the system, the use of CCTV for pipe inspection may require more heavy cleaning, deposit cutting, root cutting, and lateral cutting than is practical. Some pipe may be so deteriorated that CCTV may threaten its structural integrity or use. The likely widespread use of “hammer taps” across the older parts of the system, which further hinder CCTV inspection is suspected. Where clay pipe might be encountered, it is expected that the loss of the pipe joint integrity causing joint offsets may deem CCTV unnecessary and impractical.

I. Ranking Pipes and Manholes for Replacement Using a Scoring Protocol

At this point, the defect logs and databases generated by the manhole assessments, smoke testing, and CCTV work will be evaluated in order to prioritize the pipeline renewal/replacements and manhole repair/replacements going forward.

Pipe assessments will be conducted using PACP (Pipe Assessment Certification Program) protocol with data results compiled in an PACP-compliant database. Videos and photographs will be linked to the database.

Information collected during pipe condition assessment will include the type and location of defects including cracks, deposits, collapsed or broken pipes, fractures, joint offsets, material changes, obstacles, root balls, debris, tap break-ins (“hammer taps”), water level in pipe during survey, and sediment depths.

Manholes will be assessed using a pole-mounted video camera and using NASSCO Manhole Assessment Certification Program (MACP) protocol. Information to be collected during the structure condition assessment includes structure diameter, type, location and size of inlet and outlet pipes and their visible condition, frame condition, cover condition, wall condition, sediment depth, and defects, including cracks, missing bricks, holes, missing grout, obstructions, etc.

The overall system prioritization will be based on the condition ratings, professional judgement, and a criticality analysis. The prioritization process will systematically determine whether a pipe or manhole condition warrants repair or replacement within the immediate

CDBG project budget. If not, repair will be programmed as part of an ongoing systematic maintenance program, which is anticipated to extend well beyond the scope of this proposed Phase I CDBG project.

The large volume of data generated by this project will not only be utilized to rank each defect for repair but will also be incorporated into the GIS-based System Map/geodatabase for posterity.

J. Repair/Replace Pipes and/or Manholes with Highest Priority with Remaining Funds

The results of the prioritization process are difficult to predict. Unknown is whether extensive pipeline renewal will be determined the most effective, or if manhole renewal is the best solution. Accordingly, funds are being budgeted for 200 L.F. of pipe replacement using cured-in-place or an alternate form of trenchless sewer main renewal. Additionally, funds are being budgeted for five complete manhole replacements and ten manhole rehabilitations using cementitious, polymeric, or other type lining deemed the most cost effective and appropriate given the conditions.

K. Project Cost Estimate (Engineer's Opinion of Probable Cost)

CONSTRUCTION COST ESTIMATE

Item	Quantity	Unit	Description	Unit Price	Total Price
1	27	Ea.	Locate Manhole Under Pavement, Excavate Pavement, Adjust Manhole Frame to Street Grade, Repair Pavement, Clean Manhole and Perform MACP Level 2 Assessment, Use Zoom Camera to Investigate Intersecting Pipes	\$1,500.00	\$40,500
2	211	Ea.	Clean Manhole and Perform MACP Level 2 Assessment, Use Zoom Camera to Investigate Intersecting Pipes	\$150.00	\$31,650
3	4	Ea.	Furnish and Install Clamp-On Flow Meter on Force Mains on Vertical Runs Where Force Mains Enter Lagoon Headworks	\$5,500.00	\$22,000
4	1	Ea.	SCADA Installation for Flow Metering and Rain Gauge Monitoring at Lagoon	\$11,000.00	\$11,000
5	1	Ea.	SCADA-Connected Rain Gauge at Lagoon	\$1,500.00	\$1,500
6	70,000	L.F.	Sewer Smoke Testing, Incl. Defect Logging	\$1.25	\$87,500
7	40	Ea.	Replace Cleanout Cap	\$30.00	\$1,200
8	45	Ea.	Dig and Point Repair Exist. Service Connection, Incl. Service Line and All Items to Repair the Lateral Connection to the Sewer Main, 0'-10' Deep, 0'-6' Long	\$1,500.00	\$67,500
9	20	Ea.	Dig and Point Repair Exist. Sewer Main, 8"-10" Diameter, 0'-10' Deep, 0'-6' Long	\$4,250.00	\$85,000

Item	Quantity	Unit	Description	Unit Price	Total Price
10	3	Ea.	Disconnect Roof, Patio, or Area Drain	\$1,500.00	\$4,500
11	5,000	L.F.	Cleaning and CCTV Inspection: 8" and 10" Sewer Pipe	\$2.80	\$14,000
12	1,500	L.F.	Additional for Heavy Cleaning	\$1.50	\$2,250
13	5	Ea.	Complete Manhole Replacement	\$5,500.00	\$27,500
14	10	Ea.	Manhole Rehabilitation w/ Liner	\$4,000.00	\$40,000
15	200	S.Y.	Sawcut and Replacement of Asphaltic Pavement	\$75.00	\$15,000
16	100	Ea.	Sawcut and Replacement of Concrete Sidewalks	\$75.00	\$7,500
17	200	LF	Pipe Renewal Using Cured in Place Pipe, 8"-10" Diameter or by Similar Renewal Method	\$42.00	\$8,400
18	30	Ea.	Service Reinstatement Along Renewed Pipe Sections	\$100.00	\$3,000
TOTAL ESTIMATED CONSTRUCTION COST				\$470,000	

PROJECT COST ESTIMATE

1	Construction	\$430,000.00
2	Construction Inspection	\$45,500.00
3	Engineering Design	\$37,668.00
4	Legal Services	\$1,500.00
5	Project Administration	\$31,500.00
6	Environmental Review	\$2,000.00
7	Project Contingency	\$11,832.00
TOTAL ESTIMATED PROJECT COST		\$560,000.00

VI. CONCLUSIONS AND RECOMMENDATIONS

A. Ongoing RDII Remediation Efforts Beyond the Scope of This Project – Phase II and Beyond

Due to the systematic approach that attacking the RDII problem warrants, much of the project budget is utilized for flow monitoring equipment and investigative analysis, leaving lesser funds available for actual pipeline repair and manhole renewal. Accordingly, with a “game plan” in hand wherein remaining defects are identified and prioritized, the City of Tiptonville must commit to continuing their efforts to remedy excessive RDII in the system beyond the scope of this project by doing all that they can with their own forces and seeking additional sources of funds when available. The lasting result of the proposed project will be the ongoing systematic maintenance program, which must extend well beyond the scope of this proposed Phase I CDBG project.

B. Immediate Steps to be Taken by the City

1. Record incoming flows and rainfall at lagoon daily to establish flow benchmarks from which to measure results.
2. Record elapsed runtime hours at all lift stations daily which, when evaluated in conjunction with the rainfall records, will establish the severity of RDII in each of Tiptonville’s three major drainage basins and three sub-basins.
3. Request access to any gravity flow segments of the Northwest Correctional Complex and perform visual spot check with Corrections personnel to identify any actual or potential sources of RDII and seek TDOC's commitment to remedy them.
4. Meet with the Operators of the Reelfoot Lake Regional Utility and Planning District and the Hornbeak Sewer System to assess any actual or potential sources of RDII and seek their commitment to remedy them.

**PRELIMINARY ENGINEERING REPORT
2019 CDBG - SANITARY SEWER REHABILITATION PHASE I
CITY OF TIPTONVILLE
LAKE COUNTY, TN**

FEBRUARY 2019

Cliff Berry, Mayor



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**PRELIMINARY ENGINEERING REPORT
SEWER SYSTEM REHABILITATION PHASE I
CITY OF TIPTONVILLE, LAKE COUNTY, TENNESSEE**

I. PROJECT PLANNING

A. Location

The proposed project will be undertaken entirely within the corporate limits of the City of Tiptonville and will benefit the sewer population.

The City of Tiptonville is situated in Lake County in the northwest corner of Tennessee. The Mississippi River forms the western boundary and part of the northern boundary of the general project area. The terrain is entirely on the bottom land of the Mississippi River. The elevation ranges from 265 to 280 feet next to the river and from 270 to 310 feet in the eastern part of the county.

Lake County contains some of the most fertile and productive soils in the state. The area lies within the Reelfoot-Tiptonville-Adler soil association, which contains some of the most desirable farmland in Lake County. Most of the territory is cultivated, and cotton, corn, and soybeans are the main crops. Most of the prime farmland is within the floodplain and is limited by poor drainage conditions. Farmland takes up about 80 percent of Lake County.

The vicinity east of the project area is rich in recreational resources. Winter and spring bring many visitors to the wooded areas for hunting and fishing. Part of the woodland is owned by the Tennessee Wildlife Resources Agency (TWRA) and welcomes bird watchers, fisherman, and hunters of squirrel, raccoon, deer, and waterfowl. Reelfoot Lake contains a great variety of shore and wading birds, golden and bald eagles, and a vast array of other animals and plants.

Tiptonville is situated squarely in the New Madrid Seismic Zone and experiences frequent earthquakes.

B. Environmental Resources Present

Reelfoot Lake State Park lies northeast of Tiptonville. The Reelfoot Lake National Wildlife Refuge and the Reelfoot Lake State Wildlife Management Area are in the vicinity to the east of the Lake Isom National Wildlife Refuge is about four miles south of Tiptonville.

Being bound on the west and north by the Mississippi River and the east by Reelfoot Lake, much of the surrounding area lies in the flood hazard area as indicated by the FEMA Flood Insurance Rate Maps. Inside Tiptonville the 100-year flood elevation is 294.5 and the 500-year flood elevation is 296.2. Most of Lake County is protected from 100-year floods from the Mississippi River by the adjacent levy system.

During prior Executive Order 12372 Reviews, the State Historic Preservation Officer did not note any historical / archaeological properties in the immediate project area.

C. Population Trends

The 2010 U.S. Census indicates that the City of Tiptonville's population is 4,464 persons, which includes 2,411 inmates incarcerated at the Northwest Correctional Complex. The City proper is a very small, rural west Tennessee town with a population of 2,053. The City's population consists of an aging demographic with few opportunities for employment. The 2010 U.S. Census data indicates that Tiptonville's minority population percentage is 42.6% with the black or African American population making up 40.2% of the overall population. Lake County experienced a negative 1.53% population growth between 2000 and 2010.

D. Community Engagement

The Mayor and Board of Aldermen of the City of Tiptonville meet monthly at City Hall, which is located at 130 South Court Street in Tiptonville on the second Tuesday of each month. All persons are invited to attend these duly advertised meetings, and interested individuals frequently attend. The subject project as well as the listed alternatives have been openly planned and discussed frequently during these meetings regularly since 2018. The public has had full opportunity for involvement and comment. A public hearing to discuss the 2019 CDBG application was held December 6, 2019. Most recently, the proposed project and CDBG application was discussed during the regular meeting of the Tiptonville Board of Aldermen held in February of 2019.

II. EXISTING FACILITIES

A. Location Map

Exhibit "A" attached to this report presents a detailed GIS-based system map of Tiptonville's sewage collection system. Since there are very few surviving design drawings of the Tiptonville sewage collection system, the map was compiled primarily from drawings prepared by Allen & Hoshall in 1967. The 1967 drawings included a sewage collection system map depicting both the proposed sewer improvements and the system as existed at that time (which is about 85% of the current system in use). Of note is that the pipe material used for of both the proposed and the "existing" collectors were not indicated on the 1967 drawings.

The current system map is an Esri ArcMap-based (GIS) digital map. A high resolution (1-inch or less pixel) orthophoto covering 1,065 acres was produced, using an unmanned aerial vehicle, to serve as the base map. A digital surface model featuring 1-foot contours was also produced. The sanitary sewer system map is attached to this report as Exhibit "A."

The map was completed using a combination of techniques, including digitization of the data thought reliable on all available existing paper maps, field locates of manholes and other appurtenances using GPS devices, and performing a few visual inspections of manholes to ascertain the alignment of connected sewer mains and the condition of the manholes.

Tiptonville's storm sewer system was also mapped simultaneously based on the available data.

The map will be used extensively to assess, plan, and implement the rehabilitation and repair of Tiptonville's sewage collection system. Each manhole and pipe have been assigned a strategic number.

The map will be continuously updated, and its associated geodatabases populated as new information becomes available. When warranted, a hydraulic model of the sewage collection system will be implemented.

B. History

No drawings or records have survived providing information about the City's sewage collection system constructed prior to 1967. Based on the few surviving system maps, most of the collection system was in place prior to 1967 and was probably constructed in the late 1940's or early 1950's. The City originally relied upon a facultative lagoon for treatment. In 1967, upgrades were constructed to the collection system as EDA Project Number 04-1-00171.

In 1983, the facultative lagoon was abandoned, and a new aerated lagoon was constructed adjacent to it as part of EPA Project Number C470698-01-0.

C. Condition of the Existing Facilities

1. Collection System

The known condition of Tiptonville's collection system is documented later in this report in Section III, "Need for Project."

Tiptonville's gravity collection system is thought to be comprised of 238 manholes plus the following schedule of pipes, age, material, and condition mostly unknown:

Diameter	Linear Feet	Comments
4" Pipe	955	Around Lake Point Apts.; PVC, probably SDR 35
6" Pipe	3,016	Around Lake Point Apts.; PVC, probably SDR 35
8" Pipe	44,261	5,000 L.F. known to be PVC, probably SDR 35
10" Pipe	15,237	Material and condition unknown
12" Pipe	10,681	3,566 L.F. known to be PVC, probably SDR 35
15" Pipe	917	Around abandoned H.I.S. factory

Additionally, the Northwest Correctional Complex pumps wastewater at 800 GPM to the Tiptonville lagoon via a dedicated 12" force main. The 12" prison force main was also recently extended to the Port of Cates Landing and the Lake County Regional Industrial Park, although there are no users currently discharging sewage at either location.

Tiptonville's collection system is divided into three major drainage basins which drain to either the Elm Street, Cherry Street, or Hays Street lift stations. Exhibit "B" attached to this report depicts the areas inside each drainage basin.

The footage of pipe and number of manholes in each basin appear below:

Pipes Within Elm Street Drainage Basin

4"	0	Linear Feet
6"	139	Linear Feet
8"	22,475	Linear Feet
10"	3,478	Linear Feet
12"	6,728	Linear Feet
15"	917	Linear Feet
Total	33,738	Linear Feet
Manholes	99	Each

Pipes Within Cherry Street Drainage Basin

4"	823	Linear Feet
6"	1,622	Linear Feet
8"	5,353	Linear Feet
10"	11,501	Linear Feet
12"	361	Linear Feet
15"	0	Linear Feet
Total	19,661	Linear Feet
Manholes	61	Each

Pipes Within Hays Street Drainage Basin

4"	131	Linear Feet
6"	1,256	Linear Feet
8"	16,429	Linear Feet
10"	0	Linear Feet
12"	3,592	Linear Feet
15"	0	Linear Feet
Total	21,408	Linear Feet
Manholes	73	Each

2. Lift Stations

Tiptonville's collection system is divided into three major drainage basins which drain to either the Elm Street (900 GPM), Cherry Street (820 GPM), or Hays Street (500 gpm) Lift stations. The force mains from these lift stations discharge individually into the Tiptonville lagoon.

The Lake Street (250 GPM) and Highway 22 Lift Stations are in the Hays Street Lift Station drainage basin. The Keystone Lift Station is in the Cherry Street Lift Station drainage basin.

The City replaced the Cherry Street and Elm Street lift stations during 2017 using USDA Rural Development funds, with flood-proofed, above ground lift stations constructed to survive a 500-year flood event. The lift stations feature emergency generator

connections. Tiptonville acquired a portable generator capable of operating the lift stations in the event of an extended power failure.

The Hays Street, Lake Street, and Highway 22 lift stations were constructed between 2002 and 2003. The Hays Street station has dedicated on-site emergency power generator. The Lake Street lift station has a connector for the portable generator. All are in good repair.

The Keystone Lift Station was constructed in 1968 but remains operable and in fair condition.

3. Lagoon

In recent years, Tiptonville has been pro-active in maintaining their sewage treatment lagoon, largely due to the availability of CDBG funds.

During 2017 and 2018, the lagoon was fully dredged (for the first time) and solids wasted. Concurrently, the lagoon aeration system was updated with all the floating aerators being rebuilt or replaced, the lagoon baffle curtain was replaced, the baffle wall in the chlorine contact chamber was repaired, and a mechanical augur screen was installed at the headworks to capture the heavy trash content present in the waste stream from the Northwest Correctional Complex.

The City's 2.5 MGD sewage treatment lagoon is a regional facility serving much of Lake County and the towns of Hornbeak and Samburg in Obion County. The City serves 820 residential and commercial customers inside its corporate limits, including the 2,300 bed Northwest Correctional Complex. The Tiptonville lagoon also treats sewage from the Reelfoot Lake Regional Utility and Planning District, which serves 595 customers and includes the Town of Samburg, and from the Town of Hornbeak, which serves 80 customers.

Wastewater flows into the plant vary seasonally. Many of the resorts and residences surrounding Reelfoot Lake are inhabited only during outdoor recreational seasons. The Tiptonville municipal system exhibits significant infiltration and inflow during rain events. The seasonal water table surrounding Tiptonville varies with the elevation of the Mississippi River and is very high much of the year. Shallow water frequently covers the low-lying areas for weeks at a time. The Reelfoot Lake Regional Utility and Planning District system is a grinder / low pressure sewer system appearing to be less prone to infiltration and inflow. Flows are steady from the Northwest Correctional Complex and typically range 150 gallons per capita-day.

Tiptonville's lagoon operates under NPDES Permit TN0026409 and discharges into the Mississippi River at Mile 872.5. The Mississippi River is a 303(d) listed river. The permit provides for "relaxed secondary" standards, summarized as having average monthly effluent limitations of 45 mg/L BOD and 100 mg/L suspended solids. All mechanical and electrical facilities at the lagoon have been almost entirely replaced through a series of improvements undertaken between 2008 and 2018.

Tiptonville's sewage lagoon is a diked depression located some distance from the community and oriented so that winds do not carry odors toward residential areas.

D. Financial Status of Existing Facilities

Tiptonville's most recent Audit Report can be seen on the Tennessee Comptroller's website and is included in this application.

1. Current Water and Sewer Rate Schedules as of February 2019

Municipal Water Rates

Rate Classification	1 st 1,000 Gal.	Over 2,000 Gal. (Per 1,000 Gal.)
22 (Residential)	\$22.40	\$3.50
35 (Commercial)	\$20.40	\$3.50
50 (Apts., Ind.)	\$62.25	\$4.55
Flat Rate	\$24.50	-
NW Correctional	\$2,995.81	\$2.95

Municipal Sewer Rates

Rate Classification	1 st 1,000 Gal.	Over 2,000 Gal. (Per 1,000 Gal.)
201	\$15.70	\$2.50
202	\$15.70	\$2.50
203	\$43.60	\$3.20
205	\$43.60	\$3.20
Flat Rate	\$15.60	-
NW Correctional	\$2,396.64	\$2.36
RU&PD Flat Rate	\$5,180.80	-

As of June 30, 2018, there were 1,003 water customers and 789 sewer customers for the entire system.

The objective of the proposed project is to decrease infiltration and inflow into Tiptonville's sewage collection system and thereby reduce power costs and other operational costs.

Since organic growth in Tiptonville's customer base will be modest at best, having experienced a net loss of sewer customers over the last several years, a new focus must be placed on maintaining the existing facilities. New revenues, if any, will likely be inadequate to replace the City's aging infrastructure. Accordingly, maintenance of the infrastructure in place is clearly mandated.

2. Annual Operations and Maintenance Costs

Tiptonville's Audit breaks out the annual operations and maintenance (O&M) cost of the lagoon during FY 2018. The FY 2018 O&M costs, including depreciation, was \$376,593. Of this, the cost of electricity was is \$70,924, or 19% of the overall cost, and 28% of the operating cost before depreciation.

The costs associated with operating the sewage collection system are lumped together with the Water Department expenses. The most significant cost attributable to the sewage collection system is the cost of the electricity necessary to operate Tiptonville's seven sewage lift stations.

3. Other Capital Improvement Projects

Tiptonville constructed the following capital improvements during 2012 to present:

- a. Replacement of 8,000 linear feet of aging cast iron water main with 10 inch and 8-inch PVC main along Lake Street, including replacement of all service assemblies and tie-ins as part of a 2013 CDBG project.
- b. Replacement of remaining water meters with AMR meters and replacement of aging water mains as part of a 2014 CDBG project.
- c. Repair / replacement of aerators at sewage lagoon, dredging of lagoon; replacement of baffle curtain, and modifications /repairs to Chlorine Contact Chamber at lagoon as part of their 2016 CDBG project.
- d. Extension of 12-inch force main and 12-inch water main to Port of Cates Landing as funded by TVA InvestPrep and TNECD Site Development grants.
- e. Replacement of metal building housing the north wing of the water plant using USDA Rural Development (USDA-RD) funds.
- f. Refurbishment of forced draft aerators at water plant (USDA-RD).
- g. Replacement of raw and finished water meters at water plant (USDA-RD).
- h. Obtaining towable emergency standby generator for lift stations and pump stations (USDA-RD).
- i. Obtained sewer inspection camera and sewer jetter (USDA-RD).
- j. Repainting of S.R. 212 elevated water tank (local funds).
- k. Currently underway, the City will drill a new 1,000 GPM well at the water treatment plant during spring of 2019 (TNECD Site Development Grant).

4. Status of Existing Debts and Required Reserve Accounts

Tiptonville is current on all existing debts and has fully funded all required reserve accounts.

E. Water / Waste Audits

An unaudited assessment of unaccounted for water appears in Tiptonville's *Audit Report*. For the year ending on June 30, 2018, Tiptonville's percent unaccounted for water was 20.7%. It is of note that for the year ending on June 30, 2010, Tiptonville's percent unaccounted for water was 60.33%. Clearly, the City's current Superintendent of Utilities, promoted during early 2017, has been actively working to remedy decades of water and sewer system neglect.

Tiptonville has been actively and diligently locating and repairing water leaks, replacing aging meters, and replacing aging service connections to reduce water system losses.

The City is now, in similar fashion, motivated to rid the sewage collection system from as much infiltration and inflow as is practical.

III. NEED FOR PROJECT

A. Health, Sanitation, and Security

The proposed project includes improvements to various elements of the City of Tiptonville's sewage collection system which are known to be deteriorating, mostly due to age, and somewhat due to neglect. Infiltration and inflow entering the system is:

1. Robbing the lift stations of available pumping capacity and adding to pump run times, which in turn increases electricity and maintenance expenses.
2. Similarly, robbing the lagoon of its available treatment capacity and contributing to documented permit violations, specifically in effluent BOD limits.
3. Predictably leading to bypasses and/or overflows at lift stations and manholes across the system.

B. Aging Infrastructure and System Operations and Maintenance

1. Infiltration and Inflow

Tiptonville experiences significant rainfall-derived infiltration and inflow ("RDII") during rain events of any magnitude. The area, immediately adjacent to the Mississippi River, has a seasonally-high water table just a few feet below ground level which adds to the problem. Frequent seismic activity has also probably contributed to deterioration of the system. A summary of the influent flows as reported on Tiptonville's "Monthly Operations Reports" (MORs) appears below. The MORs are included by reference to this report and are being submitted with Tiptonville's CDBG application.

SUMMARY OF INFLUENT FLOWS AT TIPTONVILLE LAGOON					
(THOUSAND GALLONS)					
<u>Month</u>	<u>Minimum</u>	<u>Maximum</u>	<u>Max/Min</u>	<u>Average</u>	<u>Total</u>
May-17	787	2,355	299%	1,093	33,896
Jun-17	744	973	131%	853	25,601
Jul-17	698	1,034	148%	785	24,334
Aug-17	689	933	135%	774	23,990
Sep-17	696	933	134%	785	23,540
Oct-17	613	820	134%	697	21,620
Nov-17	539	1,793	333%	796	23,890
Dec-17	543	1,188	219%	803	24,900
Jan-18	788	1,413	179%	1,055	32,700
Feb-18	749	2,397	320%	1,312	36,750
Mar-18	893	2,043	229%	1,161	35,990
Apr-18	826	1,917	232%	<u>1,068</u>	<u>32,050</u>
		Totals		11,182	339,261
		Average for Year		932	

Since the demand from Tiptonville's customer as is extremely consistent, the high ratios of the Maximum Flows vs. Minimum Flows as reported above are conclusive evidence that the system is plagued with excessive rainfall-derived infiltration and inflow.

Exhibit "C" is a letter dated April 26, 2018 to Tiptonville from the TDEC Jackson Environmental Assistance Center noting that excessive RDII is a problem.

In evaluating the available flow data that documents this problem, the daily influent flow records from the Tiptonville lagoon were obtained. Tiptonville has two flow meters on the headworks at the Tiptonville lagoon. One flow meter measures the sewage flows coming from the Tiptonville collection system and the Northwest Correctional Complex. The second meter measures the sewage flows from the Reelfoot Lake Regional Utility and Planning District and the Hornbeak municipal systems.

The Operator determines daily flows based on daily totalizer readings less the prior day's total reading. While this methodology is sound, the operator is only present to record the flows Monday through Wednesday. Therefore, the influent flow records for Wednesday through Sunday are recorded as the average of the total flow recorded from Wednesday through Sunday, not the daily flow. This renders the flow records inadequate for use in evaluating the correlation between rainfall and daily flow at the plant. Regardless, this is the best data available.

Similarly, the nearest official rain gauge is at Dyersburg, TN, some 35 miles to the south. There is probably a weak correlation between rainfall records at Dyersburg and actual rainfall at Tiptonville, TN. Tiptonville's lagoon operator inconsistently records local rainfall data from time to time on the Monthly Operating Reports (MORs). Regardless, this is best and most reliable data available.

The Northwest Correctional Complex system includes very little gravity sewer on the compound and is also thought less prone to RDII. Accordingly, most of the RDII coming into the Tiptonville lagoon is coming from Tiptonville proper. However, Tiptonville should request access to any gravity flow segments of the Northwest Correctional Complex and perform visual spot check with Corrections personnel to identify any actual or potential sources of RDII and seek TDOC's commitment to remedy them.

The flow meters at the Tiptonville lagoon further indicate that the Reelfoot Lake Regional Utility and Planning District system and/or the City of Hornbeak sewer system contribute to RDII, though to a lesser extent. However, Tiptonville should encourage both parties to assess any actual or potential sources of RDII and seek their commitment to remedy them.

2. Deterioration Resulting from Age Beyond Useful Life

Since no drawings or records have survived that provide information about the parts of the City's gravity sewage collection system constructed prior to 1967, the actual age of the system is unknown. It is believed that the gravity sewers serving the populated core of Tiptonville were probably constructed post-World War II in the late 1940's or early 1950's. Regardless, with only a few known exceptions, the newest pipes and manholes of the collection system are 52 years old, and the older pipes and manholes are approximately 70 years old.

Tiptonville recently acquired a sewer jetter and inspection camera during late summer 2018. Having used the jetter and camera quite a few times since then, the operators report the following:

- a. Most calls are initiated from clogged sewer mains.
- b. Where cast iron mains have been encountered, the mains were difficult to clear with the jetter. The interior of the cast iron mains is so severely corroded that solids snag, accumulate, and become encrusted on the splintered metal.
- c. Where clay pipe has been encountered, the Operator reports that every joint of the clay pipe has separated, and the pipe alignment is "staggered."
- d. Where PVC pipe has been encountered, the Operator reports that the PVC is clearly thin wall pipe and broken in many places.
- e. The Operator reports that both brick and concrete manhole structures have been encountered but did not take notice of their condition.

A manhole recently collapsed on Keystone Street which, when inspected, was found to be in catastrophic failure. The little concrete remaining was found in rubble at the bottom of the manhole. The manhole walls were primarily formed by the surrounding soil. The entire manhole required complete replacement. The original manhole is thought to have been installed in 1968.

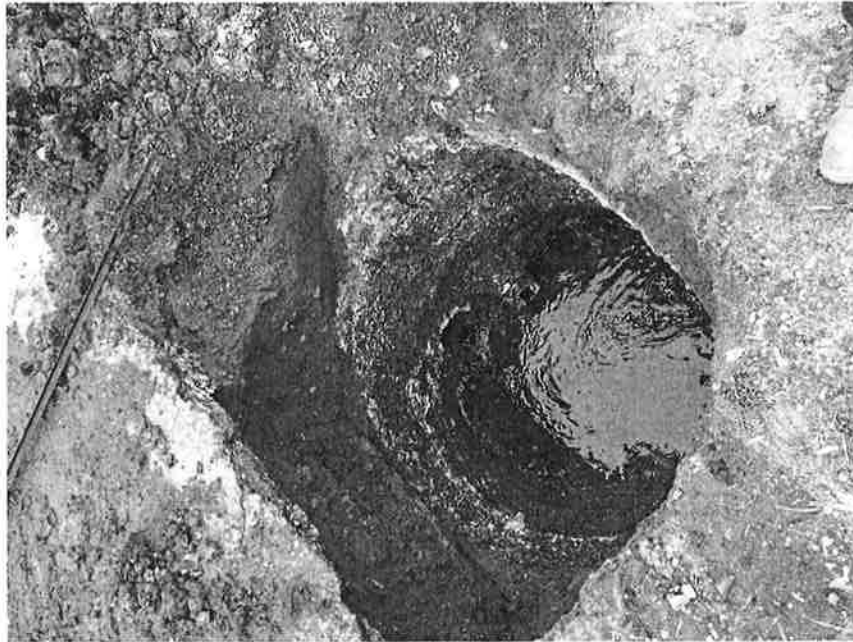


Figure 1. Photograph showing the condition of the Keystone St. manhole constructed in 1968.

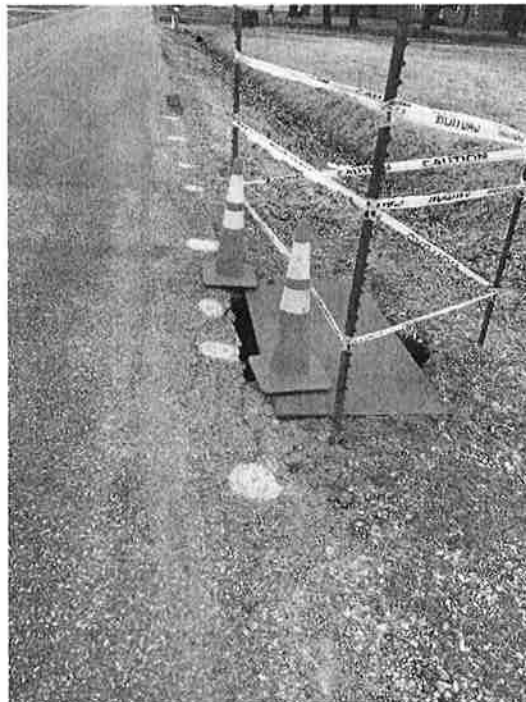


Figure 2. Photograph showing the collapsed Keystone St. manhole constructed in 1968.

The downstream manhole was inspected and found in poor condition as well. It should be noted that most of Tiptonville's manholes were constructed prior to 1968.

3. Evidence of Neglect

The only known smoke tests performed in Tiptonville were undertaken during the Summer of 2015 when 6,900 linear feet of smoke testing was performed. A map showing the area subjected to smoke testing are attached to this report as Exhibit "D-1." The details and recommendations resulting from this work are attached to this report as Exhibit "D-2."

These results are probably indicative of what might be discovered if further smoke testing is undertaken citywide, including:

- a. Several instances of combined sanitary and storm sewer.
- b. Significant instances of "low hanging fruit" (missing cleanout caps, open services where homes have been demolished, etc.).
- c. Several instances of lost manholes, either paved over or buried.

Unfortunately, Tiptonville's work crew during 2015 never followed up on any of the findings of the 2015 smoke tests, and none of the repairs were ever performed, including the "low hanging fruit". *(Since that time, nearly all the City's utility employees have been replaced. Tiptonville's current Superintendent of Utilities has made significant strides in catching up on deferred maintenance, first attacking issues at the lagoon and with the water system, and now ready to face the overwhelming neglect of Tiptonville's sewage collection system.)*

As regards item "c" above, records clearly document that Tiptonville undertook a major street paving project in 1996. At least 27 manholes were scheduled to be raised to street grade as part of the paving project, including three manholes that had previously been paved over. Bids overran, and the Mayor instructed the engineer to take the manhole work out of the paving contract, indicating that the City forces would raise the manholes prior to paving. When the paving crew arrived, the Mayor simply instructed the Contractor to pave over the manholes. The most tragic detail is that the City saved a paltry \$4,000 by not raising the manholes at that time. Numerous water valves were paved over as well. These manholes, and probably many more, have remained paved over and unopened since that time. The table below details the streets where these buried manholes lie:

Road Name	No. of Buried MH
Cherry St. (Church St. to Foster St.)	6
Foster St. (Cherry St. to Algee St.)	1
Algee St. (Church St. to Foster St.)	3
N. Main St. (Church St. to Court St.)	4
Lake St. (Leduke St. to S.R. 78)	11
Leduke St. (Church St. to Lake St.)	2

There are likely numerous other manholes obscured by pavement or simply covered up in other locations across the system.

C. Customer Base and Sewer System Revenue Growth/Decline

Lake County experienced a negative 1.53% population growth between 2000 and 2010. Lake County's per capita and median household incomes are below half of the U.S. averages.

Tiptonville's customer base and associated sewer system revenues are likely to decline as the population ages and the younger persons leave the rural community due to a lack of employment opportunities. Since Lake County is ranked as one of the lowest income counties in the entire United States, system revenues for the major repair or replacement of infrastructure are scarce and dwindling.

Currently, TNECD and others have launched exhaustive efforts to secure an industrial entity to utilize the Port of Cates Landing and/or the adjacent Lake County Regional Industrial Park. Tiptonville is the sole source of water and sewer service available to the Port. This project will support the efficient operation of Tiptonville's sewage system which is necessary to free up treatment capacity in order to accommodate the development of the Port.

If growth is to come to Lake County and Tiptonville, it will be as a result of the success of the Port of Cates Landing in attracting industrial or commercial employers to the region.

IV. ALTERNATIVES CONSIDERED

A. Do Nothing

The City of Tiptonville's sanitary sewer system is aging, requires constant maintenance, and does not operate efficiently. Indications are that many of the pipes and manholes have reached the end of their useful life and are badly in need of repair or replacement. Additionally, the manholes under pavement preclude inspection activities.

If nothing is done, the volumes of rainfall-derived infiltration and inflow will increase, and:

1. The region could suffer negative economic impact if an industrial prospect is lost at the Port of Cates Landing or the adjacent Lake County Regional Industrial Park due to insufficient available sewage treatment capacity at the Tiptonville lagoon.
2. Tiptonville will likely experience more frequent BOD and SS NPDES Permit violations at the lagoon. Tiptonville will be prematurely pressured to expand its sewage treatment lagoon or build a new sewage treatment plant. This will greatly impact sewer rates not only for Tiptonville, but for the Tennessee Department of Corrections, the Reelfoot Lake Regional Utility and Planning District, and the Town of Hornbeak, causing negative economic impact across the entire region.
3. Increasing RDII will soon cause sewage bypasses and overflows, leading to a possible sewer moratorium and probably TDEC enforcement action, including fines and penalties.
4. Chronic failure and the collapse of pipes and manholes is predicted, requiring urgent repairs, probably by outside contractors charging a premium for emergency mobilization.

The “do nothing” alternative presents a distinct risk of both negative economic impacts as well a risk to the health and safety of City residents and personnel, leaving an overwhelming operation and maintenance problem to Tiptonville’s utility department.

B. Comprehensive Sewer System Rehabilitation

Tiptonville is faced with a formidable problem that can only be approached in a systematic manner. In order to solve Tiptonville’s excessive 50.75% annual “Rainfall Derived Infiltration and Inflow” (RDII) problem, Tiptonville must:

1. Locate and identify all assets of the sewer collection system;
2. Inspect the pipes, manholes, and service laterals which comprise the system to determine their condition;
3. Analyze the resulting data, setting priorities for and deciding the most cost-effective repairs and replacements;
4. Implement the most cost-effective solutions for RDII remediation.

V. PROPOSED PROJECT (RECOMMENDED ALTERNATIVE)

A. Repairs Identified by 2015 Smoke Testing

The proposed project will include performing all repairs numbered 3 through 12 as identified in Tiptonville’s 2015 Smoke Test and listed in Exhibit “D-2.”

B. Installation of SCADA Monitored Flow Meters on Influent Force Mains at Lagoon

The proposed project includes the installation of four strap-on flow meters on the incoming force mains at the Tiptonville lagoon to accomplish continuous flow monitoring in Tiptonville’s three major drainage basins plus the Northwest Correctional Complex collection system. Currently the flows from these four force mains combine in a stilling chamber upstream of a Parshall flume, where only the combined flows are recorded.

Since the Elm Street, Cherry Street, Hays Street, and Northwest Correctional Complex lift stations each pump to the Tiptonville lagoon through individually dedicated force mains, monitoring the flows through each of these force mains will accomplish flow monitoring of Tiptonville’s three major drainage basins plus the Northwest Correctional Complex collection system.

Each force main extends vertically from underground to a point above the wall of the stilling chamber before turning down into the chamber. The vertical runs provide a ready location for installation of the proposed strap-on meters.



Figure 3 (2015). Photograph depicting three of the four incoming force mains entering the stilling chamber at the Tiptonville lagoon. Strap-on meters to be installed on vertical runs. Fourth force main not shown (installed in 2017 w/ augur screen).



Figure 4 (2015). Three of the four incoming force mains entering the stilling chamber at the Tiptonville lagoon. Strap-on meters to be installed on vertical runs. Fourth force main not shown (installed in 2017 w/ augur screen).

Additionally, a cellular based SCADA unit will be installed at the lagoon to continuously monitor the four proposed strap-on flow meters as well as the two existing two influent and one existing effluent meter.

Meters the flows from the individual basins in this manner allows the severity of the RDII problem to be evaluated in each of the three drainage basins. The SCADA system will allow Tiptonville's operators to monitor and permanently log flows via cloud-based software accessible from any smart phone or computer. The SCADA software has intuitive graphical user interfaces that allow use by persons without advanced computer skills.

C. Installation of SCADA Monitored Rain Gauge at Lagoon

The SCADA unit described above will also be used to continuously log and monitor a proposed rainfall gauge. The rain gauge will be used to correlate the wastewater flow data recorded from each lift station to rainfall events, giving a good measure of RDII before and after RDII remediation activities.

D. Manhole Excavation, Frame Adjustments to Street Level, and Initial Condition Assessment

Approximately 27 manholes known to be under pavement will be located, excavated, and inspected. Manhole defects will be identified in accordance with the NASSCO Manhole Assessment and Certification program. Additionally, a "zoom" camera will be lowered into each manhole to obtain views of all pipes intersecting each manhole, thereby allowing a visual assessment of each intersecting pipe's diameter, material, and condition. Each manhole frame will be raised to street grade and the surrounding pavement will be restored.

E. Initial Condition Assessment of Manholes at Grade

The remaining 211 at-grade manholes will be inspected. Manhole defects will be identified in accordance with the NASSCO "Manhole Assessment and Certification" program. Additionally, a "zoom" camera will be lowered into each manhole to obtain views of all pipes intersecting each manhole, thereby allowing a visual assessment of each intersecting pipe's diameter, material, and condition.

F. Comprehensive Smoke Testing of Collection System

Tiptonville's prior smoke testing efforts, although limited to 6,900 feet of collector, identified numerous defects, with many being readily remedied at a very low cost. Accordingly, the proposed project includes smoke testing across the remainder of the entire collection system in accordance with NASSCO specifications and smoke testing guidelines, and the Contractor will provide a log identifying the location and nature of all defects using NASSCO data codes and database structure.

G. Repairs Identified by Smoke Testing and Manhole Assessments

As the smoke testing and manhole evaluation progresses, and defects identified, all readily accomplished repairs and replacements will be performed. Specifically, missing or broken

cleanout caps will be replaced, connected roof gutter drains will be disconnected, patio and area drains will be disconnected, and shallow point repairs to mains and service laterals will be repaired where accessible and practical, etc.

H. Closed-Circuit Television Camera Pipe Inspection

Funds for CCTV inspection of 5,000 L.F. of gravity sewers are being budgeted, with funds for an additional 1,500 L.F. of extra heavy cleaning being budgeted as well.

Where warranted as practical, based upon the results of the smoke testing and information derived from the “zoom” camera images, selected segments of the collection system will be subjected to inspection via closed-circuit television camera (“CCTV”) in accordance with NASSCO specifications and guidelines for CCTV Inspection, defect logging and coding, and database structure.

Anecdotal evidence provided by Tiptonville’s utility personnel indicate that, given the age of the system, the use of CCTV for pipe inspection may require more heavy cleaning, deposit cutting, root cutting, and lateral cutting than is practical. Some pipe may be so deteriorated that CCTV may threaten its structural integrity or use. The likely widespread use of “hammer taps” across the older parts of the system, which further hinder CCTV inspection is suspected. Where clay pipe might be encountered, it is expected that the loss of the pipe joint integrity causing joint offsets may deem CCTV unnecessary and impractical.

I. Ranking Pipes and Manholes for Replacement Using a Scoring Protocol

At this point, the defect logs and databases generated by the manhole assessments, smoke testing, and CCTV work will be evaluated in order to prioritize the pipeline renewal/replacements and manhole repair/replacements going forward.

Pipe assessments will be conducted using PACP (Pipe Assessment Certification Program) protocol with data results compiled in an PACP-compliant database. Videos and photographs will be linked to the database.

Information collected during pipe condition assessment will include the type and location of defects including cracks, deposits, collapsed or broken pipes, fractures, joint offsets, material changes, obstacles, root balls, debris, tap break-ins (“hammer taps”), water level in pipe during survey, and sediment depths.

Manholes will be assessed using a pole-mounted video camera and using NASSCO Manhole Assessment Certification Program (MACP) protocol. Information to be collected during the structure condition assessment includes structure diameter, type, location and size of inlet and outlet pipes and their visible condition, frame condition, cover condition, wall condition, sediment depth, and defects, including cracks, missing bricks, holes, missing grout, obstructions, etc.

The overall system prioritization will be based on the condition ratings, professional judgement, and a criticality analysis. The prioritization process will systematically determine whether a pipe or manhole condition warrants repair or replacement within the immediate

CDBG project budget. If not, repair will be programmed as part of an ongoing systematic maintenance program, which is anticipated to extend well beyond the scope of this proposed Phase I CDBG project.

The large volume of data generated by this project will not only be utilized to rank each defect for repair but will also be incorporated into the GIS-based System Map/geodatabase for posterity.

J. Repair/Replace Pipes and/or Manholes with Highest Priority with Remaining Funds

The results of the prioritization process are difficult to predict. Unknown is whether extensive pipeline renewal will be determined the most effective, or if manhole renewal is the best solution. Accordingly, funds are being budgeted for 200 L.F. of pipe replacement using cured-in-place or an alternate form of trenchless sewer main renewal. Additionally, funds are being budgeted for five complete manhole replacements and ten manhole rehabilitations using cementitious, polymeric, or other type lining deemed the most cost effective and appropriate given the conditions.

K. Project Cost Estimate (Engineer's Opinion of Probable Cost)

CONSTRUCTION COST ESTIMATE

Item	Quantity	Unit	Description	Unit Price	Total Price
1	27	Ea.	Locate Manhole Under Pavement, Excavate Pavement, Adjust Manhole Frame to Street Grade, Repair Pavement, Clean Manhole and Perform MACP Level 2 Assessment, Use Zoom Camera to Investigate Intersecting Pipes	\$1,500.00	\$40,500
2	211	Ea.	Clean Manhole and Perform MACP Level 2 Assessment, Use Zoom Camera to Investigate Intersecting Pipes	\$150.00	\$31,650
3	4	Ea.	Furnish and Install Clamp-On Flow Meter on Force Mains on Vertical Runs Where Force Mains Enter Lagoon Headworks	\$5,500.00	\$22,000
4	1	Ea.	SCADA Installation for Flow Metering and Rain Gauge Monitoring at Lagoon	\$11,000.00	\$11,000
5	1	Ea.	SCADA-Connected Rain Gauge at Lagoon	\$1,500.00	\$1,500
6	70,000	L.F.	Sewer Smoke Testing, Incl. Defect Logging	\$1.25	\$87,500
7	40	Ea.	Replace Cleanout Cap	\$30.00	\$1,200
8	45	Ea.	Dig and Point Repair Exist. Service Connection, Incl. Service Line and All Items to Repair the Lateral Connection to the Sewer Main, 0'-10' Deep, 0'-6' Long	\$1,500.00	\$67,500
9	20	Ea.	Dig and Point Repair Exist. Sewer Main, 8"-10" Diameter, 0'-10' Deep, 0'-6' Long	\$4,250.00	\$85,000

Item	Quantity	Unit	Description	Unit Price	Total Price
10	3	Ea.	Disconnect Roof, Patio, or Area Drain	\$1,500.00	\$4,500
11	5,000	L.F.	Cleaning and CCTV Inspection: 8" and 10" Sewer Pipe	\$2.80	\$14,000
12	1,500	L.F.	Additional for Heavy Cleaning	\$1.50	\$2,250
13	5	Ea.	Complete Manhole Replacement	\$5,500.00	\$27,500
14	10	Ea.	Manhole Rehabilitation w/ Liner	\$4,000.00	\$40,000
15	200	S.Y.	Sawcut and Replacement of Asphaltic Pavement	\$75.00	\$15,000
16	100	Ea.	Sawcut and Replacement of Concrete Sidewalks	\$75.00	\$7,500
17	200	LF	Pipe Renewal Using Cured in Place Pipe, 8"-10" Diameter or by Similar Renewal Method	\$42.00	\$8,400
18	30	Ea.	Service Reinstatement Along Renewed Pipe Sections	\$100.00	<u>\$3,000</u>
TOTAL ESTIMATED CONSTRUCTION COST				\$470,000	

PROJECT COST ESTIMATE

1	Construction	\$430,000.00
2	Construction Inspection	\$45,500.00
3	Engineering Design	\$37,668.00
4	Legal Services	\$1,500.00
5	Project Administration	\$31,500.00
6	Environmental Review	\$2,000.00
7	Project Contingency	\$11,832.00
TOTAL ESTIMATED PROJECT COST		\$560,000.00

VI. CONCLUSIONS AND RECOMMENDATIONS

A. Ongoing RDII Remediation Efforts Beyond the Scope of This Project – Phase II and Beyond

Due to the systematic approach that attacking the RDII problem warrants, much of the project budget is utilized for flow monitoring equipment and investigative analysis, leaving lesser funds available for actual pipeline repair and manhole renewal. Accordingly, with a “game plan” in hand wherein remaining defects are identified and prioritized, the City of Tiptonville must commit to continuing their efforts to remedy excessive RDII in the system beyond the scope of this project by doing all that they can with their own forces and seeking additional sources of funds when available. The lasting result of the proposed project will be the ongoing systematic maintenance program, which must extend well beyond the scope of this proposed Phase I CDBG project.

B. Immediate Steps to be Taken by the City

1. Record incoming flows and rainfall at lagoon daily to establish flow benchmarks from which to measure results.
2. Record elapsed runtime hours at all lift stations daily which, when evaluated in conjunction with the rainfall records, will establish the severity of RDII in each of Tiptonville’s three major drainage basins and three sub-basins.
3. Request access to any gravity flow segments of the Northwest Correctional Complex and perform visual spot check with Corrections personnel to identify any actual or potential sources of RDII and seek TDOC’s commitment to remedy them.
4. Meet with the Operators of the Reelfoot Lake Regional Utility and Planning District and the Hornbeak Sewer System to assess any actual or potential sources of RDII and seek their commitment to remedy them.

Section B
Question # 9

MAYOR & BOARD OF ALDERMAN

**MAYOR CLIFF BERRY JR.
218 WALNUT STREET
TIPTONVILLE, TN 38079
731 499-3365**

**DAISY PARKS
409 CEDAR STREET
TIPTONVILLE, TN 38079
731-334-9165**

**SARA JANE WOODS
408 CHERRY STREET
TIPTONVILLE, TN 38079
731 693 4181**

**MARIO MONTGOMERY
130 NORTH MAIN STREET
TIPTONVILLE, TN 38079
731 442 0352**

**WILL JACKSON
390 COLLEGE STREET
TIPTONVILLE, TN 38079**

**JOE LEE WILLIAMS
1205 LAKE DRIVE
TIPTONVILLE, TN 38079
731 431 8606**

**JAMEY BEAL
808 FOSTER STREET
TIPTONVILLE, TN 38079**

Section B
Question # 9

CERTIFICATE OF COMPLETION

Cliff Berry

has completed

Utility Board Member Training - Module A

This course provided 4 hour(s) of CPE, Other.

3/18/2019



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Cliff Berry

has completed

Utility Board Member Training - Module B

This course provided 4 hour(s) of CPE, Financial.

4/22/2019



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Cliff Berry

has completed

Utility Board Member Training - Module C

This course provided 4 hour(s) of CPE, Other.

5/3/2019



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Sarah Tubbs

has completed

Utility Board Member Training - Module A

This course provided 4 hour(s) of CPE, Other.

3/18/2019



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Sarah Woods

has completed

Utility Board Member Training - Module A

This course provided 4 hour(s) of CPE, Other.

3/18/2019



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Sarah Woods

has completed

Utility Board Member Training - Module B

This course provided 4 hour(s) of CPE, Financial.

4/22/2019



Municipal Technical Advisory Service
INSTITUTE *for* PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Sarah Woods

has completed

Utility Board Member Training - Module C

This course provided 4 hour(s) of CPE, Other.

5/3/2019



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Will Jackson

has completed

Utility Board Member Training - Module A

This course provided 2 hour(s) of CPE, Other.

9/17/2020



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Will Jackson

has completed

Utility Board Member Training - Module B

This course provided 4 hour(s) of CPE, Financial.

4/22/2019



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Will Jackson
has completed

Utility Board Member Training - Module C

This course provided 4 hour(s) of CPE, Other.

5/3/2019



Municipal Technical Advisory Service
INSTITUTE *for* PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Joe Lee Williams

has completed

Utility Board Member Training - Module A

This course provided 4 hour(s) of CPE, Other.

3/18/2019



Municipal Technical Advisory Service
INSTITUTE *for* PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Joe Lee Williams

has completed

Utility Board Member Training - Module B

This course provided 4 hour(s) of CPE, Financial.

4/22/2019



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Joe Lee Williams

has completed

Utility Board Member Training - Module C

This course provided 4 hour(s) of CPE, Other.

5/3/2019



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Daisy Parks

has completed

Utility Board Member Training - Module A

This course provided 4 hour(s) of CPE, Other.

3/18/2019



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Daisy Parks

has completed

Utility Board Member Training - Module B

This course provided 4 hour(s) of CPE, Financial.

4/22/2019



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Daisy Parks

has completed

Utility Board Member Training - Module C

This course provided 4 hour(s) of CPE, Other.

5/3/2019



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Mario Montgomery

has completed

Utility Board Member Training - Module A

This course provided 4 hour(s) of CPE, Other.

3/18/2019



Municipal Technical Advisory Service
INSTITUTE FOR PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Mario Montgomery

has completed

Utility Board Training Module B

This course provided 2 hour(s) of CPE.

2/1/2021



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Mario Montgomery

has completed

Utility Board Member Training - Module C

This course provided 4 hour(s) of CPE, Other.

5/3/2019



Municipal Technical Advisory Service
INSTITUTE *for* PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Jaime Beal

has completed

Utility Board Member Training - Module A

This course provided 2 hour(s) of CPE, Other.

9/17/2020



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Jaime Beal
has completed

Utility Board Training Module B

This course provided 2 hour(s) of CPE. .

2/1/2021



Municipal Technical Advisory Service
INSTITUTE *for* PUBLIC SERVICE

CERTIFICATE OF COMPLETION

Jaime Beal

has completed

Utility Board Member Training - Module C

This course provided 2 hour(s) of CPE, Other.

11/19/2020



Municipal Technical Advisory Service
INSTITUTE for PUBLIC SERVICE

Totals By Service By Cust Type

Service	Customer Type	Number of Customers	Consumption	Service	Surcharge	Assistance	Tax	Amount Due
0001 WAT	01 RESIDENTIAL	863	33,907	30,275.07	0.00	0.00	2,908.57	33,183.64
	02 BUSINESS	119	13,374	7,781.80	0.00	0.00	471.44	8,253.24
	03 INDUSTRIAL	4	3,402	1,886.08	0.00	0.00	156.31	2,042.39
	04 CITY GOVT	1	3	23.76	0.00	0.00	0.00	23.76
	Service Total:	987	50,686	39,966.71	0.00	0.00	3,536.32	43,503.03
0002 SEW	01 RESIDENTIAL	677	25,131	16,322.54	0.00	0.00	0.00	16,322.54
	02 BUSINESS	102	11,543	4,871.15	0.00	0.00	0.00	4,871.15
	03 INDUSTRIAL	4	3,402	1,326.76	0.00	0.00	0.00	1,326.76
	04 CITY GOVT	1	3	16.66	0.00	0.00	0.00	16.66
	Service Total:	784	40,079	22,537.11	0.00	0.00	0.00	22,537.11
0003 SAN	01 RESIDENTIAL	674	0	13,992.48	0.00	0.00	0.00	13,992.48
	02 BUSINESS	79	0	5,724.72	0.00	0.00	0.00	5,724.72
	03 INDUSTRIAL	4	0	2,210.44	0.00	0.00	0.00	2,210.44
	Service Total:	757	0	21,927.64	0.00	0.00	0.00	21,927.64
0004 ZMT	02 BUSINESS	1	110	26.33	0.00	0.00	0.00	26.33
	Service Total:	1	110	26.33	0.00	0.00	0.00	26.33
0005 ZMS	02 BUSINESS	1	110	23.34	0.00	0.00	0.00	23.34
	Service Total:	1	110	23.34	0.00	0.00	0.00	23.34
0006 SO	01 RESIDENTIAL	1	0	9.55	0.00	0.00	0.00	9.55
	Service Total:	1	0	9.55	0.00	0.00	0.00	9.55
0008 SEW	01 RESIDENTIAL	1	0	15.70	0.00	0.00	0.00	15.70
	Service Total:	1	0	15.70	0.00	0.00	0.00	15.70
	Report Total:	2,532		84,506.38	0.00	0.00	3,536.32	88,042.70

Section B
Question #10

End of Report: TOWN OF TIPTONVILLE *



~~City Hall~~
File

CITY OF TIPTONVILLE INTERNAL CONTROL MANUAL

June 30, 2016

Water Bill Adjustment
adopted Internal Control Manual

MTAS Finance and Accounting Team

residents who remove the polycart when they move will be billed for the replacement value of the item. A monthly garbage fee will be added to utility bills.

6. Methods of payment
 - a. Payment may be made at the municipal offices by cash, check, debit/credit card, or bank draft.
 - b. The receipted date at city hall will be the official date of payment.
 - c. If payment is received after what is considered to be normal business hours at City Hall, that payment will be treated as having been received on the next business day. For electronic payments, the effective date of payment as per the bank remittance notice is the date used to determine if payment was received prior to normal business hours
7. Collection of Water and Sewer Arrears
 - a. Water and sewer accounts will be considered to be in arrears when all or a portion of the account remains unpaid on the day immediately following that upon which payment thereof was due.
 - b. The following shall be taken when water and sewer accounts are in arrears:
 1. Reminder notices will be sent out once per month for all unpaid balances.
 2. Past due amounts will appear on the next water and sewer bill.
 3. Cut off dates will be the 25th of each month.
8. Reconnection after disconnection of service
 - a. Service will not be reconnected until the account is paid in full.
 - b. A reconnection charge as established by law, from time to time, will apply and must also be paid prior to reconnection.
 - c. Payment must be in cash, certified check, or money order.
9. Writing off water and sewer arrears when deemed uncollectable.
 - a. Where the treasurer or designee ascertains that certain accounts are uncollectable, a list shall be prepared for the city council's consideration no later than June 30 of the year. The council will then direct the treasurer or designee to write off the uncollectable account balances from the records.
10. Adjustments.
 - a. Water and sewer bill adjustments will be applied to sewer only. There will be no adjustments on water/
 - b. Only one (1) adjustment per year for each customer will be allowed.

RESOLUTION NO. 2178
A RESOLUTION TO ADOPT AN INTERNAL CONTROL POLICY FOR
THE CITY OF TIPTONVILLE, TENNESSEE.

WHEREAS, in 2015 and effective June 30, 2016, the Tennessee General Assembly enacted Chapter No. 112 (HB0187/SB0413) which amends T.C.A. 9-18-102 and requires local governments to establish internal controls; and

WHEREAS, the Mayor and Board of Aldermen wishes to provide reasonable assurance that assets are safeguarded against misappropriation and unauthorized use, and that obligations are met timely and all transactions are properly recorded and accounted for, and that accurate and reliable financial reports are prepared; and

WHEREAS, the Mayor and Board of Aldermen have determined that it is in the best interest of the City of Tiptonville to adopt the revised State of Tennessee Office of the Comptroller December 2015 Internal Control and Compliance Manual; and has established its own internal control manual referenced below;

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Board of Aldermen of the City of Tiptonville, Tennessee that the following is hereby approved:

SECTION 1. The City of Tiptonville adopts the revised internal control manual as well as its own internal control manual dated June 30, 2016, that is attached to this **Resolution**.

SECTION 2. This revised Internal Control policy dated June 30, 2016, repeals and replaces any and all previously adopted internal control policy or policies.

SECTION 3. This **Resolution** takes effect immediately upon its passage, the public welfare requiring it.

Approved this 30th day of June, 2016



Mayor

Attest: 

City Recorder

City Recorder

Section B

Question # 15

WATER

15. *Have you received any grants or capital contributions during the current fiscal year for your water utility, or do you plan on receiving any grants or capital contributions during the current fiscal year for your water utility?*

Yes

If yes, please provide a detailed explanation regarding these grants or capital contributions.

The Delta Regional Authority awarded Tiptonville grant TN-54275 during October 2020 for the construction of an elevated water tank and other improvements at the Lake County Industrial Park. The grant amount is \$1,500,000. The project and project budget are detailed in the attached "Attachment 15 WTR Tiptonville DRA Water Grant Info.pdf".



Project Information

Project ID	TN-54275
Entity Type	City Government
Funding Type	TBD
LDD	Northwest Tennessee Development District
Areas Affected by Project:	[Lake TN] [Dyer TN] [Obion TN] [Fulton KY] [Weakley TN] [Pemiscot MO]
Funding Category	BPI
Attachments	10

All Investment Information

Requested DRA Investment	7.8%	\$1,519,000
Other Public Investment	0.0%	\$0
Other Private Investment	92.2%	\$18,000,000
Total Investment	100.0%	\$19,519,000
Investor	Participation Agreement	Investment Amount
Generation Tubular USA, Inc.	<u>Attached</u>	\$18,000,000.00

Project Narrative

Summary	Water Storage Tank and Water System Improvements at the Port of Cates Landing and the Lake County Industrial Complex to support the creation of 100 jobs at Generation Tubular USA
Description	The proposed project includes the construction of a 500,000 gallon elevated water storage tank, tank site acquisition along S.R. 22 immediately west of and adjacent to the Industrial Site, 12" water main extensions necessary to connect the tank to the existing 12" water main and the manufacturer's building, and pump and SCADA system improvements, all of which will increase fire flows to the Industrial Park and Port to approximately 3,500 GPM.



<p>Purpose</p>	<p>The proposed project will insure adequate volumes of potable water for Generation Tubular USA, a new employer creating 100 jobs which is locating at the Lake County Industrial Site. Water will be needed for employee sanitation, including restroom and kitchen facilities as may be provided, and to provide adequate flows to support fire suppression systems enhancing the health and safety of the work environment. The project will also increase the fire suppression flows to the existing Transit Warehouse Building adjacent to the Port. The proposed project could also provide potable and fire suppression water to two additional and very active prospects of the Lake County Industrial Site, Project Cold Front (\$6,000,000 capital investment, 75 jobs) and Project Sonic (2 phases, \$275,000 capital investment and 120 jobs each phase).</p>
<p>Benefits and Outcomes</p>	<p>This project will directly support an \$18,000,000 capital investment and the creation of 100 jobs by Generation Tubular USA at the Lake County Industrial Site and the Port of Cates Landing. The attached "Participation Agreement" supports this assertion. In addition, the benefit will be shared with any future users of the Industrial Site and the Port of Cates Landing, making the complex more attractive for new economic development.</p>
<p>Budget Narrative</p>	<p>Admin & Legal: \$10,000 Legal Fees Necessary for Tank Site Acquisition Land, Structures, R-O-W, Appraisals: \$30,000 Land Acquisition and Appraisal (Tank Site) Architectural (Engineering): \$91,000 Engineering Design Other A/E/ Fees: \$18,000 Tank Site Survey, Geotechnical Work at Tank Site, Permits, Easements, Sub-Consultants, Environmental Assessment by Engineer Project Inspection Fees: \$20,000 Coatings Inspections, Milestone On-Site Inspections Construction: \$1,300,000 See Itemized Construction Cost estimate submitted as attachment Contingencies: \$31,000</p>



Application for Federal Assistance SF-424

8. Applicant Information			
a. Legal Name:		City of Tiptonville	
b. Employer/Taxpayer Identification Number (EIN/TIN):		62-6000423	
c. Organizational DUNS:		964447965	
d. Address:			
Street 1:		130 S. Court Street	
City:		Tiptonville	
County/Parish:		Lake	
State:		TN	
Country:		United States	
Zip / Postal Code:		38079	
f. Name and contact information of person to be contacted on matters involving this application:			
Prefix:	Mrs.	Name:	Fran Hearn
Suffix:	.	Title:	CMFO Tiptonville, TN
Telephone Number:	(731)253-9922	Fax Number:	
Email:	fran.hearn@tiptonvillecityhall.com		

Application for Federal Assistance SF-424

9. Type of Applicant:	City Government
10. Name of Federal Agency:	Delta Regional Authority
11. Catalog of Federal Domestic Assistance Number:	90.201
CFDA Title:	States' Economic Development Assistance Program
14. Areas Affected by Project:	[Lake TN], [Dyer TN], [Obion TN], [Fulton KY], [Weakley TN], [Pemiscot MO],
15. Descriptive Title of Applicant's Project:	Water System Improvements to Serve Generation Tubular at Lake County Industrial Site and Port of Cates Landing

Attach supporting documents as specified in agency instructions.

Authorizing Resolution.pdf
EX-2 Vicinity Map.pdf
EX-1 Detailed SITE PLAN.pdf
SUPPORT LETTERS.pdf



BUDGET INFORMATION - Construction Programs

NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case you will be notified.

COST CLASSIFICATION	a. DRA	b. Other	c. Total Allowable Costs (Columns a - b)
1. Administrative and legal expenses	\$10,000	\$0	\$10,000
2. Land, structures, rights-of-way, appraisals, etc.	\$30,000	\$0	\$30,000
3. Relocation expenses and payments	\$0	\$0	\$0
4. Architectural and engineering fees	\$91,000	\$0	\$91,000
5. Other architectural and engineering fees	\$18,000	\$0	\$18,000
6. Project inspection fees	\$20,000	\$0	\$20,000
7. Site work	\$0	\$0	\$0
8. Demolition and removal	\$0	\$0	\$0
9. Construction	\$1,300,000	\$0	\$1,300,000
10. Equipment	\$0	\$0	\$0
11. Miscellaneous	\$0	\$0	\$0
12. Subtotal	\$0	\$0	\$0
13. Contingencies	\$31,000	\$0	\$31,000
14. Subtotal	\$0	\$0	\$0
15. Project (program) income	\$0	\$0	\$0
16. Total Project Costs	\$1,500,000	\$0	\$1,500,000

Section B

TIPTONVILLE WATER DEPT.
130 SOUTH COURT STREET
TIPTONVILLE, TENNESSEE 38079

Question # 11

SERVICE FROM	SERVICE TO	# DAYS	ACCOUNT NO.
12/01/20	01/04/21	34	001- 00010-01
NET AMOUNT	LATE FEE	GROSS AMOUNT	PAY GROSS AFTER
41.49	3.93	45.42	02/16/21
AT: LUMBER CO BLDG			
SERVICE	PRESENT READING	PREVIOUS READING	USED
WAT			CHARGES
SEW			23.07
TAX			16.17
			2.25

ANNUAL 3% INCREASE
ON WATER & SEWER
EFFECTIVE 01/01/2021

LUMBER CO BLDG
VAUGHN FARMS

PLEASE BRING THIS ENTIRE BILL TO OFFICE
OR MAIL THIS STUB WITH YOUR PAYMENT

FIRST CLASS MAIL
U.S. POSTAGE PAID
TIPTONVILLE, TN 38079
PERMIT NO. 2

VAUGHN FARMS
LBR CO
PO BOX 465
TIPTONVILLE TN 38079

ACCOUNT NO.	NET AMOUNT
001- 00010-01	41.49
DATE OF BILL	LATE FEE
01/28/21	3.93
PAY GROSS AFTER	GROSS AMOUNT
02/16/21	45.42

Notification
on Water Bills

TIPTONVILLE WATER DEPT.
 130 SOUTH COURT STREET
 TIPTONVILLE, TENNESSEE 38079

SERVICE FROM	SERVICE TO	# DAYS	ACCOUNT NO.
01/04/21	02/01/21	28	001- 00010-01
NET AMOUNT	LATE FEE	GROSS AMOUNT	PAY GROSS AFTER
42.74	4.05	46.79	03/15/21
AT: LUMBER CO BLDG			
SERVICE	PRESENT READING	PREVIOUS READING	USED
WAT			CHARGES
SEW			23.76
TAX			16.66
			2.32

EFFECTIVE 2/1/21 A
 \$2 FEE WILL BE ADDED
 FOR DOOR HANGERS

LUMBER CO BLDG
 VAUGHN FARMS

PLEASE BRING THIS ENTIRE BILL TO OFFICE
 OR MAIL THIS STUB WITH YOUR PAYMENT

ACCOUNT NO.	NET AMOUNT
001- 00010-01	42.74
DATE OF BILL	LATE FEE
02/25/21	4.05
PAY GROSS AFTER	GROSS AMOUNT
03/15/21	46.79

VAUGHN FARMS
 LBR CO
 PO BOX 465
 TIPTONVILLE TN 38079

FIRST CLASS MAIL
 U.S. POSTAGE PAID
 TIPTONVILLE, TN 38079
 PERMIT NO. 2

TIPTONVILLE WATER DEPT.
 130 SOUTH COURT STREET
 TIPTONVILLE, TENNESSEE 38079

SERVICE FROM	SERVICE TO	# DAYS	ACCOUNT NO.
01/04/21	02/01/21	28	001- 00015-01
NET AMOUNT	LATE FEE	GROSS AMOUNT	PAY GROSS AFTER
23.75	2.16	25.91	03/15/21
AT: CHURCH STREET			
SERVICE	PRESENT READING	PREVIOUS READING	USED
WAT	16776	16776	CHARGES
SEW			21.64
TAX			2.11

EFFECTIVE 2/1/21 A
 \$2 FEE WILL BE ADDED
 FOR DOOR HANGERS

CHURCH STREET
 VAUGHN FARMS

PLEASE BRING THIS ENTIRE BILL TO OFFICE
 OR MAIL THIS STUB WITH YOUR PAYMENT

ACCOUNT NO.	NET AMOUNT
001- 00015-01	23.75
DATE OF BILL	LATE FEE
02/25/21	2.16
PAY GROSS AFTER	GROSS AMOUNT
03/15/21	25.91

VAUGHN FARMS
 P. O. BOX 465
 TIPTONVILLE TN 38079

FIRST CLASS MAIL
 U.S. POSTAGE PAID
 TIPTONVILLE, TN 38079
 PERMIT NO. 2

*Notification
 on Water Bills*

TIPTONVILLE WATER DEPT.
 130 SOUTH COURT STREET
 TIPTONVILLE, TENNESSEE 38079

SERVICE FROM	SERVICE TO	# DAYS	ACCOUNT NO.
01/05/21	02/02/21	28	001- 00080-01
NET AMOUNT	LATE FEE	GROSS AMOUNT	PAY GROSS AFTER
60.41	5.83	66.24	03/15/21
AT: 1315 CHURCH STREET			
SERVICE	PRESENT READING	PREVIOUS READING	USED
WAT	662	657	5
SEW			5
SAN			20.00
TAX			2.11

EFFECTIVE 2/1/21 A
 \$2 FEE WILL BE ADDED
 FOR DOOR HANGERS

1315 CHURCH STREET
 EAST END LIQUOR STORE

PLEASE BRING THIS ENTIRE BILL TO OFFICE
 OR MAIL THIS STUB WITH YOUR PAYMENT

ACCOUNT NO.	NET AMOUNT
001- 00080-01	60.41
DATE OF BILL	LATE FEE
02/25/21	5.83
PAY GROSS AFTER	GROSS AMOUNT
03/15/21	66.24
Paid by Bank Draft	

EAST END LIQUOR STORE
 1315 CHURCH STREET
 TIPTONVILLE TN 38079

FIRST CLASS MAIL
 U.S. POSTAGE PAID
 TIPTONVILLE, TN 38079
 PERMIT NO. 2

Bank Draft - DO NOT PAY

CITY OF TIPTONVILLE, LAKE COUNTY, TENNESSEE

FISCAL YEAR 2018 TO FISCAL YEAR 2022 CAPITAL IMPROVEMENTS PLAN

Date: June 26, 2018

Prepared by: Bruce Spaulding, P.E.

Objective: To quantify anticipated Capital Improvements Projects necessary to accommodate growth.

Benefits: Provides a tool for planning and decision making in a proactive manner. Can be easily updated as conditions warrant.

EXHIBIT NO. 1 - CAPITAL IMPROVEMENTS PLAN SUMMARY

PROJECT	CAPITAL IMPROVEMENT PROJECT DESCRIPTION	TOTAL COST	FIVE YEAR PROJECTED CAPITAL EXPENDITURE				
			FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
C-417	SCADA System Improvements - WTP, Well #2, Town Tank, Cedar St. PS, Prison Tank	\$45,000 <i>Completed</i>	\$45,000				
C-517	New Well	\$275,000 <i>Completed</i>			\$275,000		
C-118	SCADA System Improvements - New Well, Elm St. LS, Cherry St. LS, Hays St. LS, Lagoon	\$47,000 <i>Completed</i>		\$47,000			
C-218	Prison Tank Recoat (150,000 gal)	\$135,000 <i>Completed</i>	\$135,000				
C-120	Lake Street Lift Station Upgrade	\$115,000			\$115,000		
C-121	Town Tank Recoat (100,000 gal)	\$135,000					\$135,000
C-221	Water Treatment Plant Tank Recoat (500,000 gal)	\$180,000					\$180,000
Various	Miscellaneous Extensions, Deficiency Remediation		\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
TOTAL CAPITAL IMPROVEMENTS COST		\$932,000	\$205,000	\$72,000	\$415,000	\$160,000	\$25,000

ITEM	CASH FLOW ANALYSIS	FIVE YEAR PROJECTED CASH FLOW				
		FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
1	Cash on Hand Unrestricted (End Balance Carried Forward)					
2	Net Income from Base Year Water Sales					
3	Potential CDBG Grant			\$300,000		
4	Capital Improvements Expenditures	(\$205,000)	(\$72,000)	(\$415,000)	(\$160,000)	(\$160,000)
5	Additional Depreciation Resulting from Capital Improvements	\$11,000	\$4,383	\$11,000	\$11,000	\$8,000
6	Additional Operations and Maintenance Expenses Resulting from Capital Improvements					
SURPLUS (DEFICIENCY)		(\$194,000)	(\$67,617)	(\$104,000)	(\$152,000)	(\$152,000)

Joel B. Spaulding & Company, Inc.
 Consulting Engineers
 3322 West End Avenue, Suite 106
 Nashville, Tennessee 37203
 (615) 255-7766 | info@joelbspaulding.com

City of Tiptonville
 130 S. Court Street
 Tiptonville, Tennessee
 (731) 253-9922 | (731) 253-9923 fax



Section B
 Question #19

Book Future Depreciation FYE: 6/30/21

Asset	Property Description	Date In Service	Book Cost	Book Sec 179 Exp	Book Sal Value	Book Prior Depreciation	Book Current Depreciation	Book End Depr	Book Net Book Value	Book Method	Book Period
Group: 16100											
90	LAND	6/30/90	5,000.00	0.00	0.00	0.00	0.00	0.00	5,000.00	Memo	0.00
124	LAND	3/01/95	54,768.00	0.00	0.00	0.00	0.00	0.00	54,768.00	Memo	0.00
130	LAND FOR WATER PUMP HOU	12/28/95	3,633.00	0.00	0.00	0.00	0.00	0.00	3,633.00	Memo	0.00
			63,401.00	0.00	0.00	0.00	0.00	0.00	63,401.00		

Asset	Property Description	Date In Service	Book Cost	Book Sec 179 Exp	Book Sal Value	Book Prior Depreciation	Book Current Depreciation	Book End Depr	Book Net Book Value	Book Method	Book Period
Group: 16400											
16	WELL PUMPS	6/30/84	30,000.00	0.00	0.00	30,000.00	0.00	30,000.00	0.00	S/L	10.00
28	VALVES	12/30/86	64,400.00	0.00	0.00	64,400.00	0.00	64,400.00	0.00	S/L	10.00
39	PIPE CUTTER	6/30/89	186.95	0.00	0.00	186.95	0.00	186.95	0.00	S/L	5.00
55	BACKHOE BUCKET	6/30/89	675.00	0.00	0.00	675.00	0.00	675.00	0.00	S/L	5.00
62	1/2 JACKHAMMER	6/30/89	405.50	0.00	0.00	405.50	0.00	405.50	0.00	S/L	5.00
74	INSTRUMENTATION	6/30/89	44,300.00	0.00	0.00	44,300.00	0.00	44,300.00	0.00	S/L	5.00
75	HOIST	6/30/89	3,600.00	0.00	0.00	3,600.00	0.00	3,600.00	0.00	S/L	5.00
127	16 FT TANDEM TRAILER	8/09/95	600.00	0.00	0.00	600.00	0.00	600.00	0.00	S/L	5.00
131	NIGHT DEPOSIT	3/13/96	2,261.00	0.00	0.00	2,261.00	0.00	2,261.00	0.00	S/L	10.00
145	1991 CHEVY P/U	11/05/97	4,500.00	0.00	0.00	4,500.00	0.00	4,500.00	0.00	S/L	5.00
146	STORAGE BUILDING	6/10/98	3,705.55	0.00	0.00	3,705.55	0.00	3,705.55	0.00	S/L	10.00
152	1.90 GMC TRUCK	9/09/98	7,000.00	0.00	0.00	7,000.00	0.00	7,000.00	0.00	S/L	5.00
153	2.87 GMC TRUCK	9/09/98	7,000.00	0.00	0.00	7,000.00	0.00	7,000.00	0.00	S/L	5.00
159	INTERSTATE TRAILER	12/10/98	6,400.00	0.00	0.00	6,400.00	0.00	6,400.00	0.00	S/L	10.00
160	CASE 580SL BACKHOE LOADE	12/10/98	48,248.43	0.00	0.00	48,248.43	0.00	48,248.43	0.00	S/L	10.00
164	ANTENNA INSTALLATION	5/12/99	850.00	0.00	0.00	850.00	0.00	850.00	0.00	S/L	10.00
167	CRAWLER DOZIER	6/15/99	33,500.00	0.00	0.00	33,500.00	0.00	33,500.00	0.00	S/L	10.00
171	TURBIDIMETER	5/15/01	3,410.00	0.00	0.00	3,410.00	0.00	3,410.00	0.00	S/L	7.00
179	GENERATOR, AIR COMPRESSO	6/06/03	4,290.00	0.00	0.00	4,290.00	0.00	4,290.00	0.00	S/L	5.00
186	COMPUTER SYSTEM	11/15/06	8,400.00	0.00	0.00	8,400.00	0.00	8,400.00	0.00	S/L	7.00
187	1995 GMC SIERRA	9/13/06	9,995.00	0.00	0.00	9,995.00	0.00	9,995.00	0.00	S/L	5.00
192	Compressor Sullair D185Q	8/15/07	7,400.00	0.00	0.00	7,400.00	0.00	7,400.00	0.00	S/L	10.00
193	Stenner Model 85 Pump	2/15/08	2,800.00	0.00	0.00	2,800.00	0.00	2,800.00	0.00	S/L	10.00
196	Chevy Truck	7/30/08	7,500.00	0.00	0.00	7,500.00	0.00	7,500.00	0.00	S/L	5.00
199	60 HP Franklin Motor for Well	9/15/10	8,147.50	0.00	0.00	8,147.50	0.00	8,147.50	0.00	S/L	10.00
201	2007 Dodge 2500 Truck	8/22/12	15,100.00	0.00	0.00	15,100.00	0.00	15,100.00	0.00	S/L	5.00
202	Levee Water Pump & Tubing	5/21/13	25,600.00	0.00	0.00	18,133.33	2,560.00	20,693.33	4,906.67	S/L	10.00
203	ICE MACHINE	10/16/13	2,450.00	0.00	0.00	1,633.33	2,450.00	1,878.33	571.67	S/L	10.00
205	John Deere X530 Tractor & Deck	8/14/14	6,000.00	0.00	0.00	5,071.41	857.14	5,928.55	71.45	S/L	7.00
209	2010 Chevy Silverado Ext Cab	7/14/16	23,500.00	0.00	0.00	18,800.00	4,700.00	23,500.00	0.00	S/L	5.00
210	Drain Line Jetting Machine	9/14/16	14,980.00	0.00	0.00	18,800.00	1,498.00	7,240.33	7,739.67	S/L	10.00
217	Kubota Tractor & attachments	6/17/19	61,000.00	0.00	0.00	6,100.00	6,100.00	12,200.00	48,800.00	S/L	10.00
218	Sewer Jet Camera & tapping kits	9/14/18	9,094.43	0.00	0.00	1,667.31	909.44	2,576.75	6,517.68	S/L	10.00
219	Towable Kohler Generator	12/11/18	76,970.00	0.00	0.00	12,186.92	7,697.00	19,883.92	57,086.08	S/L	10.00
221	Case CX26 Mini-Excavator	7/10/19	8,670.00	0.00	0.00	867.00	867.00	1,734.00	6,936.00	S/L	10.00
			552,939.36	0.00	0.00	394,740.77	25,569.37	420,310.14	132,629.22		

Asset	Property Description	Date In Service	Book Cost	Book Sec 179 Exp	Book Sal Value	Book Prior Depreciation	Book Current Depreciation	Book End Depr	Book Net Book Value	Book Method	Book Period
Group: 18114											
25	WATER TANK	12/30/86	441,000.00	0.00	0.00	441,000.00	0.00	441,000.00	0.00	S/L	25.00

Book Future Depreciation **FYE: 6/30/21**

Asset	Property Description	Date In Service	Book Cost	Book Sec 179 Exp	Book Sal Value	Book Prior Depreciation	Book Current Depreciation	Book End Depr	Book Net Book Value	Book Method	Book Period
Group: 18114 (continued)											
137	WATER TANK - FMHA PROJEC	11/22/96	140,332.71	0.00	0.00	132,380.56	5,613.31	137,993.87	2,338.84	S/L	25.00
180	WELL-2003	6/12/03	25,452.00	0.00	0.00	17,392.20	1,018.08	18,410.28	7,041.72	S/L	25.00
190	Water Tank Repairs	11/12/04	82,900.00	0.00	0.00	82,900.00	0.00	82,900.00	0.00	S/L	10.00
191	Water Tank Repairs	7/14/05	123,000.00	0.00	0.00	123,000.00	0.00	123,000.00	0.00	S/L	10.00
		18114	812,684.71	0.00	0.00	796,672.76	6,631.39	803,304.15	9,380.56		
Group: 18117											
188	WELL UPGRADE	5/14/07	2,875.00	0.00	0.00	1,514.17	115.00	1,629.17	1,245.83	S/L	25.00
189	WELL	11/15/06	70,585.65	0.00	0.00	38,586.87	2,823.43	41,410.30	29,175.35	S/L	25.00
220	USDA Well Project	5/31/20	511,545.00	0.00	0.00	1,705.15	20,461.80	22,166.95	489,378.05	S/L	25.00
		18117	585,005.65	0.00	0.00	41,806.19	23,400.23	65,206.42	519,799.23		
Group: 18130											
38	NEW WATER PLANT	12/30/88	1,336,776.74	0.00	0.00	1,336,776.74	0.00	1,336,776.74	0.00	S/L	25.00
104	NEW WATER PLANT	1/01/92	79,460.13	0.00	0.00	79,460.13	0.00	79,460.13	0.00	S/L	25.00
142	WATER PLANT RENOVATION 5	9/05/97	61,612.47	0.00	0.00	35,170.41	1,540.31	36,710.72	24,901.75	S/L	40.00
173	WATER PLANT IMP	1/30/02	1,525,453.36	0.00	0.00	702,344.08	38,136.33	740,480.41	784,972.95	S/L	40.00
197	Water Plant Repair & Filter Replac	5/01/10	347,820.40	0.00	0.00	141,447.00	13,912.82	155,359.82	192,460.58	S/L	25.00
		18130	3,351,123.10	0.00	0.00	2,295,198.36	53,589.46	2,348,787.82	1,002,333.28		
Group: 18131											
91	LAND	6/30/90	10,000.00	0.00	0.00	0.00	0.00	0.00	10,000.00	Memo	0.00
169	LAND FOR SEWER PROJECT	4/11/01	4,924.00	0.00	0.00	0.00	0.00	0.00	4,924.00	Land	0.00
206	Blm Street Lift Station Land	1/16/15	2,000.00	0.00	0.00	0.00	0.00	0.00	2,000.00	Land	0.00
		18131	16,924.00	0.00	0.00	0.00	0.00	0.00	16,924.00		
Group: 18140											
194	Water Treatment Plant modification	7/31/08	318,440.60	0.00	0.00	94,868.82	7,961.02	102,829.84	215,610.76	S/L	40.00
195	Effluent Pump Replacement	6/30/09	181,431.00	0.00	0.00	79,829.64	7,257.24	87,086.88	94,344.12	S/L	25.00
215	USDA Water Plant Improvements	12/31/17	352,680.68	0.00	0.00	35,268.07	14,107.23	49,375.30	303,305.38	S/L	25.00
		18140	852,552.28	0.00	0.00	209,966.53	29,325.49	239,292.02	613,260.26		
Group: 18164											
5	WATER LINES	6/30/73	200,348.45	0.00	0.00	200,348.45	0.00	200,348.45	0.00	S/L	25.00
138	WATER LINES - FMHA PROJEC	11/22/96	395,430.52	0.00	0.00	233,139.18	9,885.76	243,024.94	152,405.58	S/L	40.00
204	CDBG Water Project	8/01/13	566,407.55	0.00	0.00	97,941.31	14,160.19	112,101.50	454,306.05	S/L	40.00
207	CDBG Water Project 2014	12/01/15	513,741.65	0.00	0.00	58,866.23	12,843.54	71,709.77	442,031.88	S/L	40.00
208	Reefoot Chamber Line Extension	12/01/15	18,456.50	0.00	0.00	2,114.80	461.41	2,576.21	15,880.29	S/L	40.00

Book Future Depreciation

FYE: 6/30/21

Asset	Property Description	Date In Service	Book Cost	Book Sec 179 Exp	Book Sal Value	Book Prior Depreciation	Book Current Depreciation	Book End Depr	Book Net Book Value	Book Method	Book Period
Group: 18164 (continued)											
18164			1,694,384.67	0.00	0.00	592,409.97	37,350.90	629,760.87	1,064,623.80		
Group: 18165											
1	WATER LINES AND METERS	7/01/68	114,468.38	0.00	0.00	114,468.38	0.00	114,468.38	0.00	S/L	40.00
83	STORAGE BUILDING	9/22/89	439.00	0.00	0.00	439.00	0.00	439.00	0.00	S/L	10.00
200	METERS	12/31/11	113,942.28	0.00	0.00	64,567.28	7,596.15	72,163.43	41,778.85	S/L	15.00
211	Meters	2/07/17	11,375.00	0.00	0.00	2,590.96	758.33	3,349.29	8,025.71	S/L	15.00
18165			240,224.66	0.00	0.00	182,065.62	8,354.48	190,420.10	49,804.56		
Group: 18187											
222	SCADA Communication Control	5/31/20	51,507.66	0.00	0.00	429.23	5,150.77	5,580.00	45,927.66	S/L	10.00
18187			51,507.66	0.00	0.00	429.23	5,150.77	5,580.00	45,927.66		
Group: 18223											
112	SEWER LINES & IMPROVEMEN	12/31/92	13,743.15	0.00	0.00	13,743.15	0.00	13,743.15	0.00	S/L	25.00
115	SEWER LINES	6/30/93	3,267.60	0.00	0.00	3,267.60	0.00	3,267.60	0.00	S/L	25.00
122	LAGOON IMPROVEMENTS	12/30/94	29,107.80	0.00	0.00	29,107.80	0.00	29,107.80	0.00	S/L	25.00
126	LAGOON IMPROVEMENTS	7/01/95	8,372.20	0.00	0.00	8,372.20	0.00	8,372.20	0.00	S/L	25.00
134	GRAVITY SEWERLINE	9/25/96	36,000.00	0.00	0.00	21,375.00	900.00	22,275.00	13,725.00	S/L	40.00
182	SEWER PROJECT COMPLETED	2/20/04	810,384.40	0.00	0.00	330,906.96	20,259.61	351,166.57	459,217.83	S/L	40.00
184	SEWER PROJECT - REDO SEWE	12/31/05	835,513.46	0.00	0.00	302,873.68	20,887.84	323,761.52	511,751.94	S/L	40.00
185	SEWER SYSTEM IMPROVEMEN	3/31/07	46,673.00	0.00	0.00	15,460.50	1,166.83	16,627.33	30,045.67	S/L	40.00
198	Sewer Plant Improv & 6 Areators	12/18/10	249,840.50	0.00	0.00	59,337.10	6,246.01	65,583.11	184,257.39	S/L	40.00
214	Sewer Force Line Improv (Match fe	12/31/17	25,313.89	0.00	0.00	2,531.40	1,012.56	3,543.96	21,769.93	S/L	25.00
18223			2,058,216.00	0.00	0.00	786,975.39	50,472.85	837,448.24	1,220,767.76		
Group: 18225											
223	Lagoon Flow Meters	1/15/20	5,128.75	0.00	0.00	170.96	341.92	512.88	4,615.87	S/L	15.00
18225			5,128.75	0.00	0.00	170.96	341.92	512.88	4,615.87		
Group: 18233											
212	USDA Sewer Improvements	4/01/17	791,895.25	0.00	0.00	64,341.49	19,797.38	84,138.87	707,756.38	S/L	40.00
213	CDBG Lagoon Dredging & Improv	4/10/18	377,694.35	0.00	0.00	33,992.48	15,107.77	49,100.25	328,594.10	S/L	25.00
216	CDBG Lagoon Improvements	2/25/19	69,145.80	0.00	0.00	3,687.77	2,765.83	6,453.60	62,692.20	S/L	25.00
18233			1,238,735.40	0.00	0.00	102,021.74	37,670.98	139,692.72	1,099,042.68		
Group: 18300											
139	WATER LINES FMHA PROJECT	11/22/96	387,486.52	0.00	0.00	228,455.53	9,687.16	238,142.69	149,343.83	S/L	40.00

Book Future Depreciation FYE: 6/30/21

Asset	Property Description	Date In Service	Book Cost	Book Sec 179 Exp	Book Sal Value	Book Prior Depreciation	Book Current Depreciation	Book End Depr	Book Net Book Value	Book Method	Book Period
Group: 18300 (continued)											
		18300	387,486.52	0.00	0.00	228,455.53	9,687.16	238,142.69	149,343.83		
Group: 18325											
140	WATER TANK FMHA PROJECT	11/22/96	137,513.47	0.00	0.00	81,075.73	3,437.84	84,513.57	52,999.90	S/L	40.00
		18325	137,513.47	0.00	0.00	81,075.73	3,437.84	84,513.57	52,999.90		
Group: 18350											
143	WATER PLANT RENOVATION 5	9/05/97	500,000.00	0.00	0.00	285,416.67	12,500.00	297,916.67	202,083.33	S/L	40.00
		18350	500,000.00	0.00	0.00	285,416.67	12,500.00	297,916.67	202,083.33		
	Grand Total		<u>12,547,827.23</u>	<u>0.00</u>	<u>0.00</u>	<u>5,997,405.45</u>	<u>303,482.84</u>	<u>6,300,888.29</u>	<u>6,246,938.94</u>		

Book Asset Detail 7/01/19 - 6/30/20

Asset Id	Property Description	Date In Service	Book Cost	Book Sec Exp	Book Sal Value	Book Prior Depreciation	Book Current Depreciation	Book End Depr	Book Net Value	Book Method	Book Period
Group: 16100											
90	LAND	6/30/90	5,000.00	0.00	0.00	0.00	0.00	0.00	5,000.00	Memo	0.00
124	LAND	3/01/95	54,768.00	0.00	0.00	0.00	0.00	0.00	54,768.00	Memo	0.00
130	LAND FOR WATER PUMP HOUS	12/28/95	3,633.00	0.00	0.00	0.00	0.00	0.00	3,633.00	Memo	0.00
			16100	0.00	0.00	0.00	0.00	0.00	63,401.00		
Group: 16400											
15 d	SECURITY SYSTEM	12/30/83	1,147.00	0.00	0.00	1,147.00	0.00	1,147.00	0.00	S/L	10.00
16	WELL PUMPS	6/30/84	30,000.00	0.00	0.00	30,000.00	0.00	30,000.00	0.00	S/L	10.00
17 d	FILING CABINET	6/30/84	52.50	0.00	0.00	52.50	0.00	52.50	0.00	S/L	10.00
28	VAI VES	12/30/86	64,400.00	0.00	0.00	64,400.00	0.00	64,400.00	0.00	S/L	10.00
39	PIPE CUTTER	6/30/89	186.95	0.00	0.00	186.95	0.00	186.95	0.00	S/L	5.00
52 d	CASE BACKHOE	6/30/89	23,000.00	0.00	0.00	23,000.00	0.00	23,000.00	0.00	S/L	5.00
55	BACKHOE BUCKET	6/30/89	675.00	0.00	0.00	675.00	0.00	675.00	0.00	S/L	5.00
62	1/2 JACKHAMMER	6/30/89	405.50	0.00	0.00	405.50	0.00	405.50	0.00	S/L	5.00
65 d	CHAIN HOIST	6/30/89	145.04	0.00	0.00	145.04	0.00	145.04	0.00	S/L	5.00
74	INSTRUMENTATION	6/30/89	44,300.00	0.00	0.00	44,300.00	0.00	44,300.00	0.00	S/L	5.00
75	HOIST	6/30/89	3,600.00	0.00	0.00	3,600.00	0.00	3,600.00	0.00	S/L	5.00
118 d	TRACTOR & BACKHOE	9/16/94	4,650.00	0.00	0.00	4,650.00	0.00	4,650.00	0.00	S/L	5.00
127	16 FT TANDEM TRAILER	8/09/95	600.00	0.00	0.00	600.00	0.00	600.00	0.00	S/L	5.00
128 d	1987 GMC TRUCK	10/26/95	5,800.00	0.00	0.00	5,800.00	0.00	5,800.00	0.00	S/L	5.00
131	NIGHT DEPOSIT	3/13/96	2,261.00	0.00	0.00	2,261.00	0.00	2,261.00	0.00	S/L	10.00
145	1991 CHEVY P/U	11/05/97	4,500.00	0.00	0.00	4,500.00	0.00	4,500.00	0.00	S/L	5.00
146	STORAGE BUILDING	6/10/98	3,705.55	0.00	0.00	3,705.55	0.00	3,705.55	0.00	S/L	10.00
152	1.90 GMC TRUCK	9/09/98	7,000.00	0.00	0.00	7,000.00	0.00	7,000.00	0.00	S/L	5.00
153	2.87 GMC TRUCK	9/09/98	7,000.00	0.00	0.00	7,000.00	0.00	7,000.00	0.00	S/L	5.00
154 d	3.84 FORD TRUCK	9/09/98	7,000.00	0.00	0.00	7,000.00	0.00	7,000.00	0.00	S/L	5.00
159	INTERSTATE TRAILER	12/10/98	6,400.00	0.00	0.00	6,400.00	0.00	6,400.00	0.00	S/L	10.00
160	CASE 580SL BACKHOE LOADE	12/10/98	48,248.43	0.00	0.00	48,248.43	0.00	48,248.43	0.00	S/L	10.00
164	ANTENNA INSTALLATION	5/12/99	850.00	0.00	0.00	850.00	0.00	850.00	0.00	S/L	10.00
167	CRAWLER DOZIER	6/15/99	33,500.00	0.00	0.00	33,500.00	0.00	33,500.00	0.00	S/L	10.00
170 d	1993 GMC GREEN P/U	7/15/00	3,900.00	0.00	0.00	3,900.00	0.00	3,900.00	0.00	S/L	5.00
171	TURBIDIMETER	5/15/01	3,410.00	0.00	0.00	3,410.00	0.00	3,410.00	0.00	S/L	7.00
177 d	1989 FORD F350	8/27/02	4,000.00	0.00	0.00	4,000.00	0.00	4,000.00	0.00	S/L	5.00
179	GENERATOR, AIR COMPRESSO	6/06/03	4,290.00	0.00	0.00	4,290.00	0.00	4,290.00	0.00	S/L	7.00
183 d	1999 FORD RANGER	9/14/05	5,550.00	0.00	0.00	5,550.00	0.00	5,550.00	0.00	S/L	5.00
186	COMPUTER SYSTEM	11/15/06	8,400.00	0.00	0.00	8,400.00	0.00	8,400.00	0.00	S/L	5.00
187	1995 GMC SIERRA	9/13/06	9,995.00	0.00	0.00	9,995.00	0.00	9,995.00	0.00	S/L	5.00
192	Compressor Sullair D185Q	8/15/07	7,400.00	0.00	0.00	7,400.00	0.00	7,400.00	0.00	S/L	10.00
193	Stenner Model 85 Pump	2/15/08	2,800.00	0.00	0.00	2,800.00	0.00	2,800.00	0.00	S/L	10.00
196	Chevy Truck	7/30/08	7,500.00	0.00	0.00	7,500.00	0.00	7,500.00	0.00	S/L	5.00
199	60 HP Franklin Motor for Well	9/15/10	8,147.50	0.00	0.00	7,196.96	814.75	8,011.71	135.79	S/L	10.00
201	2007 Dodge 2500 Truck	8/22/12	15,100.00	0.00	0.00	15,100.00	0.00	15,100.00	0.00	S/L	5.00
202	Levee Water Pump & Tubing	5/21/13	25,600.00	0.00	0.00	15,573.33	2,566.67	18,133.33	7,466.67	S/L	10.00
203	ICE MACHINE	10/16/13	2,450.00	0.00	0.00	1,388.33	245.00	1,633.33	816.67	S/L	10.00
205	John Deere X530 Tractor & Deck	8/14/14	6,000.00	0.00	0.00	4,214.27	5,071.41	928.59	928.59	S/L	7.00
209	2010 Chevy Silverado Ext Cab	7/14/16	23,500.00	0.00	0.00	14,100.00	4,700.00	18,800.00	4,700.00	S/L	5.00
210	Drain Lime Jetting Machine	9/14/16	14,980.00	0.00	0.00	4,244.33	1,498.00	5,742.33	9,237.67	S/L	10.00

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Asset Id	Property Description	Date In Service	Book Cost	Book Sec 179 Exp	Book Sal Value	Book Prior Depreciation	Book Current Depreciation	Book End Depr	Book Net Value	Book Method	Book Period
Group: 16400 (continued)											
217	Kubota Tractor & attachments	6/17/19	61,000.00	0.00	0.00	0.00	6,100.00	6,100.00	54,900.00	S/L	10.00
218	Sewer let Camera & tapping kits	9/14/18	9,094.43	0.00	0.00	757.87	909.44	1,667.31	7,427.12	S/L	10.00
219	Towable Kohler Generator	12/11/18	76,970.00	0.00	0.00	4,489.92	7,697.00	12,186.92	64,783.08	S/L	10.00
221	Case CX26 Mini-Excavator	7/10/19	8,670.00	0.00c	0.00	0.00	867.00	867.00	7,803.00	S/L	10.00
			16400								
			608,183.90	0.00c	0.00	423,736.98	26,248.33	449,985.31	158,198.59		
			55,244.54	0.00	0.00	55,244.54	0.00	55,244.54	0.00		
			Net 16400								
			552,939.36	0.00c	0.00	368,492.44	26,248.33	394,740.77	158,198.59		
Group: 18114											
25	WATER TANK	12/30/86	441,000.00	0.00	0.00	441,000.00	0.00	441,000.00	0.00	S/L	25.00
137	WATER TANK - FMHA PROJECT	11/22/96	140,332.71	0.00	0.00	126,767.25	5,613.31	132,380.56	7,952.15	S/L	25.00
180	WELL-2003	6/12/03	25,452.00	0.00	0.00	16,374.12	1,018.08	17,392.20	8,059.80	S/L	25.00
190	Water Tank Repairs	11/12/04	82,900.00	0.00	0.00	82,900.00	0.00	82,900.00	0.00	S/L	10.00
191	Water Tank Repairs	7/14/05	123,000.00	0.00	0.00	123,000.00	0.00	123,000.00	0.00	S/L	10.00
			18114								
			812,684.71	0.00c	0.00	790,041.37	6,631.39	796,672.76	16,011.95		
Group: 18117											
33	WELL - 1988	12/30/87	85,217.00	0.00	0.00	85,217.00	0.00	85,217.00	0.00	S/L	25.00
188	WELL UPGRADE	5/14/07	2,875.00	0.00	0.00	1,399.17	115.00	1,514.17	1,360.83	S/L	25.00
189	WELL	11/15/06	70,585.65	0.00	0.00	35,763.44	2,823.43	38,586.87	31,998.78	S/L	25.00
220	USDA Well Project	5/31/20	511,545.00	0.00c	0.00	0.00	1,705.15	1,705.15	509,839.85	S/L	25.00
			18117								
			670,222.65	0.00c	0.00	122,379.61	4,643.58	127,023.19	543,199.46		
			85,217.00	0.00	0.00	85,217.00	0.00	85,217.00	0.00		
			Net 18117								
			585,005.65	0.00c	0.00	37,162.61	4,643.58	41,806.19	543,199.46		
Group: 18130											
35	NEW WATER PLANT	6/30/88	4,825.25	0.00	0.00	4,825.25	0.00	4,825.25	0.00	S/L	25.00
38	NEW WATER PLANT	12/30/88	1,336,776.74	0.00	0.00	1,336,776.74	0.00	1,336,776.74	0.00	S/L	25.00
104	NEW WATER PLANT	1/01/92	79,460.13	0.00	0.00	79,460.13	0.00	79,460.13	0.00	S/L	25.00
142	WATER PLANT RENOVATION	9/05/97	61,612.47	0.00	0.00	33,630.10	1,540.31	35,170.41	26,442.06	S/L	40.00
173	WATER PLANT IMP	1/30/02	1,525,453.36	0.00	0.00	664,207.75	38,136.33	702,344.08	823,109.28	S/L	40.00
197	Water Plant Repaint & Filter Replac	5/01/10	347,820.40	0.00	0.00	127,534.18	13,912.82	141,447.00	206,373.40	S/L	25.00
			18130								
			3,355,948.35	0.00c	0.00	2,246,434.15	53,589.46	2,300,023.61	1,055,924.74		
			4,825.25	0.00	0.00	4,825.25	0.00	4,825.25	0.00		
			Net 18130								
			3,351,123.10	0.00c	0.00	2,241,608.90	53,589.46	2,295,198.36	1,055,924.74		
Group: 18131											
91	LAND	6/30/90	10,000.00	0.00	0.00	0.00	0.00	0.00	10,000.00	Memo	0.00
169	LAND FOR SEWER PROJECT	4/11/01	4,924.00	0.00	0.00	0.00	0.00	0.00	4,924.00	Land	0.00
206	Elm Street Lift Station Land	1/16/15	2,000.00	0.00	0.00	0.00	0.00	0.00	2,000.00	Land	0.00

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Asset Id	Property Description	Date In Service	Book Cost	Book Sec 179 Exp	Book Sal Value	Book Prior Depreciation	Book Current Depreciation	Book End Depr	Book Net Value	Book Method	Book Period
Group: 18131 (continued)											
18131			16,924.00	0.00c	0.00	0.00	0.00	0.00	16,924.00		
Group: 18140											
11 d	FENCE - WATER PLANT	12/30/81	336.39	0.00	0.00	336.39	0.00	336.39	0.00	S/L	15.00
29 d	WATER TANK REPAIR	6/30/87	49,062.44	0.00	0.00	49,062.44	0.00	49,062.44	0.00	S/L	25.00
168 d	NEW PUMPS, MOTORS - NORTH	7/19/99	25,240.55	0.00	0.00	25,240.55	0.00	25,240.55	0.00	S/L	10.00
194	Water Treatment Plant modification	7/31/08	318,440.60	0.00	0.00	86,907.80	7,961.02	94,868.82	223,571.78	S/L	40.00
195	Effluent Pump Replacement	6/30/09	181,431.00	0.00	0.00	72,572.40	7,257.24	79,829.64	101,601.36	S/L	25.00
215	USDA Water Plant Improvements	12/31/17	352,680.68	0.00	0.00	21,160.84	14,107.23	35,268.07	317,412.61	S/L	25.00
			18140	0.00c	0.00	255,280.42	29,325.49	284,605.91	642,585.75		
			*Less: Dispositions and Transfers	0.00	0.00	74,639.38	0.00	74,639.38	0.00		
			Net 18140	0.00c	0.00	180,641.04	29,325.49	209,966.53	642,585.75		
Group: 18164											
5	WATER LINES	6/30/73	200,348.45	0.00	0.00	200,348.45	0.00	200,348.45	0.00	S/L	25.00
23 d	WATER LINE IMPROVEMENTS	6/30/86	2,663.85	0.00	0.00	2,663.85	0.00	2,663.85	0.00	S/L	25.00
32 d	WELL & PUMP	6/30/87	2,347.05	0.00	0.00	2,347.05	0.00	2,347.05	0.00	S/L	5.00
138	WATER LINES - FMHA PROJEC	11/22/96	395,430.52	0.00	0.00	223,253.42	9,885.76	233,139.18	162,291.34	S/L	40.00
204	CDBG Water Project	8/01/13	566,407.55	0.00	0.00	83,781.12	14,160.19	97,941.31	468,466.24	S/L	40.00
207	CDBG Water Project 2014	12/01/15	513,741.65	0.00	0.00	46,022.69	12,843.54	58,866.23	454,875.42	S/L	40.00
208	Reefoot Chamber Line Extension	12/01/15	18,456.50	0.00	0.00	1,653.39	461.41	2,114.80	16,341.70	S/L	40.00
			18164	0.00c	0.00	560,069.97	37,350.90	597,420.87	1,101,974.70		
			*Less: Dispositions and Transfers	0.00	0.00	5,010.90	0.00	5,010.90	0.00		
			Net 18164	0.00c	0.00	555,059.07	37,350.90	592,409.97	1,101,974.70		
Group: 18165											
1	WATER LINES AND METERS	7/01/68	114,468.38	0.00	0.00	114,468.38	0.00	114,468.38	0.00	S/L	40.00
83	STORAGE BUILDING	9/22/89	439.00	0.00	0.00	439.00	0.00	439.00	0.00	S/L	10.00
200	METERS	12/31/11	113,942.28	0.00	0.00	56,971.13	7,596.15	64,567.28	49,375.00	S/L	15.00
211	Meters	2/07/17	11,375.00	0.00	0.00	1,832.63	758.33	2,590.96	8,784.04	S/L	15.00
			18165	0.00c	0.00	173,711.14	8,354.48	182,065.62	58,159.04		
Group: 18187											
222	SCADA Communication Control	5/31/20	51,507.66	0.00c	0.00	0.00	429.23	429.23	51,078.43	S/L	10.00
			18187	0.00c	0.00	0.00	429.23	429.23	51,078.43		
Group: 18223											
112	SEWER LINES & IMPROVEMEN	12/31/92	13,743.15	0.00	0.00	13,743.15	0.00	13,743.15	0.00	S/L	25.00
115	SEWER LINES	6/30/93	3,267.60	0.00	0.00	3,267.60	0.00	3,267.60	0.00	S/L	25.00

Book Asset Detail 7/01/19 - 6/30/20

Asset ID	Property Description	Date In Service	Book Cost	Book Sec 179 Exp	Book Sal Value	Book Prior Depreciation	Book Current Depreciation	Book End Depr	Book Net Value	Book Method	Book Period
Group: 18223 (continued)											
122	LAGOON IMPROVEMENTS	12/30/94	29,107.80	0.00	0.00	28,525.60	582.20	29,107.80	0.00	S/L	25.00
126	LAGOON IMPROVEMENTS	7/01/95	8,372.20	0.00	0.00	8,037.36	334.84	8,372.20	0.00	S/L	25.00
134	GRAVITY SEWERLINE	9/25/96	36,000.00	0.00	0.00	20,475.00	900.00	21,375.00	14,625.00	S/L	40.00
182	SEWER PROJECT COMPLETED	2/20/04	810,384.40	0.00	0.00	310,647.35	20,259.61	330,906.96	479,477.44	S/L	40.00
184	SEWER PROJECT - REDO SEWE	12/31/05	833,513.46	0.00	0.00	281,985.84	20,887.84	302,873.68	532,639.78	S/L	40.00
185	SEWER SYSTEM IMPROVEMEN	3/31/07	46,673.00	0.00	0.00	14,293.67	1,166.83	15,460.50	31,212.50	S/L	40.00
198	Sewer Plant Improv & 6 Areators	12/18/10	249,840.50	0.00	0.00	53,091.09	6,246.01	59,337.10	190,503.40	S/L	40.00
214	Sewer Force Line Improv (Match fo	12/31/17	25,313.89	0.00	0.00	1,518.84	1,012.56	2,531.40	22,782.49	S/L	25.00
			18223	0.00c	0.00	735,585.50	51,389.89	786,975.39	1,271,240.61		
Group: 18225											
223	Lagoon Flow Meters	1/15/20	5,128.75	0.00c	0.00	0.00	170.96	170.96	4,957.79	S/L	15.00
			18225	0.00c	0.00	0.00	170.96	170.96	4,957.79		
Group: 18233											
212	USDA Sewer Improvements	4/01/17	791,895.25	0.00	0.00	44,544.11	19,797.38	64,341.49	727,553.76	S/L	40.00
213	CDBG Lagoon Dredging & Impov	4/10/18	377,694.35	0.00	0.00	18,884.71	15,107.77	33,992.48	343,701.87	S/L	25.00
216	CDBG Lagoon Improvements	2/25/19	69,145.80	0.00	0.00	921.94	2,765.83	3,687.77	65,458.03	S/L	25.00
			18233	0.00c	0.00	64,350.76	37,670.98	102,021.74	1,136,713.66		
Group: 18300											
139	WATER LINES FMHA PROJECT	11/22/96	387,486.52	0.00	0.00	218,768.37	9,687.16	228,455.53	159,030.99	S/L	40.00
			18300	0.00c	0.00	218,768.37	9,687.16	228,455.53	159,030.99		
Group: 18325											
140	WATER TANK FMHA PROJECT	11/22/96	137,513.47	0.00	0.00	77,637.89	3,437.84	81,075.73	56,437.74	S/L	40.00
			18325	0.00c	0.00	77,637.89	3,437.84	81,075.73	56,437.74		
Group: 18350											
143	WATER PLANT RENOVATION S	9/05/97	500,000.00	0.00	0.00	272,916.67	12,500.00	285,416.67	214,583.33	S/L	40.00
			18350	0.00c	0.00	272,916.67	12,500.00	285,416.67	214,583.33		
			Grand Total			12,772,764.30	224,937.07	12,547,827.23	6,550,421.78		
			Less: Dispositions and Transfers			224,937.07	0.00	224,937.07	0.00		
			Net Grand Total			12,547,827.23	0.00c	12,322,890.16	6,550,421.78		

23. ~~Do you have a plan to improve your non-revenue water percentage?~~

^{Yes}
Question # 23

If yes, please provide a detailed explanation as to how this will be improved along with your current non-revenue water percentages by cost and by volume.

1. The finished water produced at the water plant and supplied to the distribution system is 100% metered. Meters are calibrated semi-annually.
2. Finished water meter data, pump run times, and tank levels are recorded continuously via SCADA, and monitored continuously for anomalies indicating leaks.
3. Leaks are hunted and repaired as soon as anomalies are noted.
4. Customer billing records are computerized.
5. Meters are read via AMR.
6. Nearly all of Tiptonville's meters are either ten years old or less, with some of the older meters scheduled for replacement in the near short term.
7. All accounts including the municipal water plant, sewer plant, and city parks are metered and billed.

See "Attachment 23 WTR Tiptonville AWWA Water Loss Schedule.pdf"

TOWN OF TIPTONVILLE, TENNESSEE
UNAUDITED WATER LOSS SCHEDULE - AWWA REPORTING MODEL
 For the Year Ended June 30, 2020

AWWA Free Water Audit Software:
Reporting Worksheet

WAS v9.0
 American Water Works Association
 Copyright © 2014. All Rights Reserved.

Water Audit Report for: **Tiptonville Water System (0000700)**

Reporting Year: **2020** 7/2019 - 6/2020

Please enter data in the white cells below. Where available, metered values should be used; if metered values are unavailable please estimate a value. Indicate your confidence in the accuracy of the input data by grading each component (n/a or 1-10) using the drop-down list to the left of the input cell. Hover the mouse over the cell to obtain a description of the grades

All volumes to be entered as: MILLION GALLONS (US) PER YEAR

WATER SUPPLIED

----- Enter grading in column 'E' and 'J' ----->

Volume from own sources:	9	198.997	MG/Yr
Water imported:	n/a	0.000	MG/Yr
Water exported:	n/a	0.000	MG/Yr

WATER SUPPLIED: 195.574 MG/Yr

Master Meter and Supply Error Adjustments

Pcnt: 7 Value: MG/Yr

Pcnt: Value: MG/Yr

Pcnt: Value: MG/Yr

Enter negative % or value for under-registration
Enter positive % or value for over-registration

AUTHORIZED CONSUMPTION

Billed metered:	9	175.211	MG/Yr
Billed unmetered:	n/a	0.000	MG/Yr
Unbilled metered:	n/a	0.000	MG/Yr
Unbilled unmetered:	9	2.445	MG/Yr

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

AUTHORIZED CONSUMPTION: 177.656 MG/Yr

Click here: for help using option buttons below

Pcnt: 1.25% Value: MG/Yr

Use buttons to select percentage of water supplied
OR
value

Pcnt: 0.25% Value: MG/Yr

Pcnt: 1.50% Value: MG/Yr

Pcnt: 0.25% Value: MG/Yr

WATER LOSSES (Water Supplied - Authorized Consumption)

17.919 MG/Yr

Apparent Losses

Unauthorized consumption:	2	0.489	MG/Yr
---------------------------	---	-------	-------

Default option selected for unauthorized consumption - a grading of 5 is applied but not displayed

Customer metering inaccuracies:	7	2.668	MG/Yr
Systematic data handling errors:	7	0.438	MG/Yr

Default option selected for Systematic data handling errors - a grading of 5 is applied but not displayed

Apparent Losses: 3.595 MG/Yr

Real Losses (Current Annual Real Losses or CARL)

Real Losses = Water Losses - Apparent Losses:

14.324 MG/Yr

WATER LOSSES: 17.919 MG/Yr

NON-REVENUE WATER

NON-REVENUE WATER: **20.363** MG/Yr

= Water Losses + Unbilled Metered + Unbilled Unmetered

SYSTEM DATA

Length of mains:	7	50.0	miles
Number of active AND inactive service connections:	7	1,028	
Service connection density:	9	21	conn./mile main

Are customer meters typically located at the curbstops or property line? Yes

Average length of customer service line: (length of service line, beyond the property boundary, that is the responsibility of the utility)

Average length of customer service line has been set to zero and a data grading score of 10 has been applied

Average operating pressure: 50.0 psi

COST DATA

Total annual cost of operating water system:	9	\$1,428,596	\$/Year
Customer retail unit cost (applied to Apparent Losses):	9	\$5.95	\$/1000 gallons (US)
Variable production cost (applied to Real Losses):	9	\$1,068.97	\$/Million gallons <input type="checkbox"/> Use Customer Retail Unit Cost to value real losses

WATER AUDIT DATA VALIDITY SCORE:

*** YOUR SCORE IS: 82 out of 100 ***

A weighted scale for the components of consumption and water loss is included in the calculation of the Water Audit Data Validity Score

PRIORITY AREAS FOR ATTENTION:

Based on the information provided, audit accuracy can be improved by addressing the following components:

- 1: Volume from own sources
- 2: Unauthorized consumption
- 3: Systematic data handling errors

See independent auditor's report.
- 47 -

TOWN OF TIPTONVILLE, TENNESSEE

UNAUDITED WATER LOSS SCHEDULE - AWWA REPORTING MODEL

For the Year Ended June 30, 2020



AWWA Free Water Audit Software:
System Attributes and Performance Indicators

WAS v5.0
American Water Works Association
Copyright © 2014. All Rights Reserved

Water Audit Report for: Tiptonville Water System (0000700)
Reporting Year: 2020 7/2019 - 6/2020

*** YOUR WATER AUDIT DATA VALIDITY SCORE IS: 82 out of 100 ***

System Attributes:

Apparent Losses:	3.595	MG/Yr
+ Real Losses:	14.324	MG/Yr
= Water Losses:	17.919	MG/Yr
Unavoidable Annual Real Losses (UARL):	See limits in definition MG/Yr	
Annual cost of Apparent Losses:	\$21,391	
Annual cost of Real Losses:	\$15,312	

Valued at **Variable Production Cost**

Return to Reporting Worksheet to change this assumption

Performance Indicators:

Financial:	Non-revenue water as percent by volume of Water Supplied:	10.4%	
	Non-revenue water as percent by cost of operating system:	2.8%	Real Losses valued at Variable Production Cost
Operational Efficiency:	Apparent Losses per service connection per day:	9.58	gallons/connection/day
	Real Losses per service connection per day:	N/A	gallons/connection/day
	Real Losses per length of main per day*:	784.86	gallons/mile/day
	Real Losses per service connection per day per psi pressure:	N/A	gallons/connection/day/psi
	From Above, Real Losses = Current Annual Real Losses (CARL):	14.32	million gallons/year
	Infrastructure Leakage Index (ILI) [CARL/UARL]:		

* This performance indicator applies for systems with a low service connection density of less than 32 service connections/mile of pipeline

Section B: Wastewater Utility Information

1. Does your utility offer wastewater?
 - a. If yes, please complete the following section.
2. Have you had any rate changes in the previous five years?
 Yes or No (Circle your answer)
 - a. Please provide a copy of your current rate ordinance/structure and the justification for why the rates are set this way- including any recent rate studies performed for the utility.
 - b. Please provide a copy of previous rate ordinances/structures from the previous five years if you answered yes to Question #2.
 - c. If you have differing rate classes (inside/outside city limits, residential/commercial/industrial, new developments, etc.), please provide justification as to why these rates are set the way they are.
3. Do you have any current plans for a rate change?
 Yes or No (Circle your answer)
 - a. If yes, please provide a written answer to the following questions:
 - i. Are you planning for a rate increase or decrease?
 - ii. Are you planning this change across all customer classes or only on a certain customer class?
 - iii. Has your Board voted on this rate change yet?
 - iv. If your Board has discussed a rate change at recent meetings, please attach a copy of the relevant minutes at which this meeting took place.
4. Have you had any utility fee changes in the previous five years?
 Yes or No (Circle your answer)
 - a. Please provide a copy of your current utility fee schedule.
 - b. Please provide a copy of previous utility fee schedules if you answered yes to Question #3.
 - c. Please provide a written rationale for the charges for tap fees, reconnect fees, etc.
5. Has your debt management policy been reviewed in the last 5 years?
 Yes or No (Circle your answer)
 - a. Please provide a copy of your debt management policy. If you do not have a debt management policy, please provide a written rationale for why a debt management policy has not been adopted.
6. Has your capitalization policy been reviewed in the last 5 years?
 Yes or No (Circle your answer)
 - a. Please provide a copy of your capitalization policy. If you do not have a capitalization policy, please provide a written rationale for why a capitalization policy has not been adopted.

(Water)
Attachment
1 + 2

Water
Attachment
3

Water
Attachment
4 + 5, 6

Water
Attachment # 7

Water
Attachment
8

7. Please provide the most recent 3 months of balance sheets and income statements for your utility.

Water Attachment #9

a. If you are a water and wastewater utility and are having difficulty breaking out the accounts, please use percentages or estimate for accounts for the most accurate depiction of the financial status of the utility.

8. Do you have a plan to remedy your financially distressed position for your wastewater fund?

Water Attachment #10

Yes or No (Circle your answer)

- a. If yes, please provide a detailed copy.
- b. If no, please provide a justification for why no.

9. Who has the authority to set rates and fees?

Answer:

Tiptonville Mayor & Board

a. Is this a board or committee separate from your local legislative body? (City Council, Board of Mayor and Alderman, etc.)

Yes or No (Circle your answer)

b. Please provide a list containing the following information for the aforementioned individuals:

Water Attachment #11

- i. Name
- ii. Title
- iii. Mailing Address
- iv. Phone Number
- v. Date of Initial Election or Appointment
- vi. Have they fulfilled their initial 12 hour training requirement within the first year of service, if applicable? Yes or No
- vii. If so, please provide proof that the training requirement has been satisfied.

10. How many total customers do you currently have?

Answer:

784

a. Please provide a numerical break-down of the totals for each type of customer:

- i. Billed 100%
- ii. Unbilled 100%
- iii. Metered 100%
- iv. Unmetered None
- v. Breakdown by Rate Class (inside, outside, inside residential, inside commercial, outside residential, outside commercial, etc.)

11. What percentage of your sales do your largest 10 customers account for annually? (Largest 10 Customer Revenues Total / Total Annual Wastewater Revenue)

Answer:

65%

12. What percentage of your volume do you largest 10 customers account for annually? (Wastewater Revenue for Largest 10 Customers / Total Wastewater Revenue)

Answer:

65% Prisons, Schools, Housing Projects, Nursing Home

13. Do you adjust wastewater bills for customers with water leaks?

Yes or No (Circle your answer)

- a. If yes, how many leak adjustments were performed based on your leak adjustment policy in the last 12 months? What is the cost associated with these leaks?

Answer: See Attachment #13 (Water) \$ 2,310.70 2020 yr.

- a. If yes, please attach a copy of your adjustment policy.
- b. If no, please move on to the next question.

14. Have you incurred any new debt during the current fiscal year for your wastewater utility, or do you plan on incurring any debt during the current fiscal year for your water utility?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation regarding the debt.
- b. If no, please move on to the next question.

Sewer Attachment #15

15. Have you received any grants or capital contributions during the current fiscal year for your wastewater utility, or do you plan on receiving any grants or capital contributions during the current fiscal year for your water utility?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation regarding these grants or capital contributions.
- b. If no, please move on to the following question.

Sewer Attachment #15

16. Have you applied for any grants that will be received over the next two years?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation regarding these potential grants.
- b. If no, please move on to the following question.

Water Attachment #19

17. Are your customers made aware of the rates and fees you have in place annually?

Yes or No (Circle your answer)

- a. If yes, how is this accomplished?
- b. If no, please provide a written justification as to why not.

Water Attachment #18

18. Do you review your capital asset list?

Yes or No (Circle your answer)

- a. If yes, how often is this list reviewed and by whom?
- b. If no, please provide a written justification as to why not.

19. Do you keep a copy of your capital asset list on file?

Yes or No (Circle your answer)

20. Excluding any customers on wells, are **all** of your customers billed based on water usage?

Yes or No (Circle your answer) 76% Other 80% Prison

- a. If yes, who supplies the usage data, and are there multiple water suppliers for your customers?

Answer: City supplies data
no multiple suppliers

- b. If no, but **some** of your customers are billed based on water usage, then answer the above question regarding usage data, but also provide a written explanation on how these customers are billed that are not billed based on water usage.
- c. If no, and **none** of your customers are based on water usage, then provide a written explanation on how these customers are billed.

21. Do you have any customers on wells?

Yes or No (Circle your answer)

- a. If yes, how are these customers billed?

Answer:

- b. If no, please move on to the following question.

22. Do you have any wastewater customers you classify as wholesale?

Yes or No (Circle your answer)

- a. If yes, please provide the contract(s) with these customer(s) or a detailed explanation as to why a contract does not exist and the rate at which wastewater is treated for this customer?
- b. If no, please move on to the following question.

23. Do you treat your own wastewater?

Yes or No (Circle your answer)

- a. If yes, please provide the following:
 - i. Cost to treat per thousand gallons. *\$1.12 per thousand*
 - ii. The design capacity of your treatment facility and the percentage of the design capacity currently being used. *under 700,000 gallons per day*
 - iii. The average operating capacity of your treatment facility. *100%*
- b. If no, please provide the following:
 - i. List of entities wastewater is treated by
 - ii. Rates at which wastewater is treated by entity
 - iii. Wastewater treatment contract with these entities, if no contract exists please give an explanation as to why there is no contract.

24. Do you have a plan to improve your infiltration and inflow (I&I)?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation as to how this will be improved along with your current I&I data.
- b. If no, please provide a detailed justification as to why the current I&I does not need to be improved along with your current I&I data.

Attachment #22

25. Are there any environmental concerns currently or forthcoming that will put a financial burden on the system?

Yes or No (Circle your answer)

- a. If yes, please provide a detailed explanation as to what the concern or issue is and the extent of the financial burden that will be incurred.
- b. If no, please move on to the next question.

26. In regard to your governing body, how frequently do you meet and what is your practice of providing notice of your meetings?

Answer: Meet once a month on the 2nd Tues. @ 6:00 p.m.

27. Do you have a sewer use ordinance?

Yes or No (Circle your answer)

- a. If yes, please provide a copy and description of how this is enforced.
- b. If no, please provide a justification for the lack thereof.

Sewer
Attachment
24

Totals By Service By Cust Type

Service	Customer Type	Number of Customers	Consumption	Service	Surcharge	Assistance	Tax	Amount Due
0001 WAT	01 RESIDENTIAL	863	33,907	30,275.07	0.00	0.00	2,908.57	33,183.64
	02 BUSINESS	119	13,374	7,781.80	0.00	0.00	471.44	8,253.24
	03 INDUSTRIAL	4	3,402	1,886.08	0.00	0.00	156.31	2,042.39
	04 CITY GOVT	1	3	23.76	0.00	0.00	0.00	23.76
	Service Total:	987	50,686	39,966.71	0.00	0.00	3,536.32	43,503.03
0002 SEW	01 RESIDENTIAL	677	25,131	16,322.54	0.00	0.00	0.00	16,322.54
	02 BUSINESS	102	11,543	4,871.15	0.00	0.00	0.00	4,871.15
	03 INDUSTRIAL	4	3,402	1,326.76	0.00	0.00	0.00	1,326.76
	04 CITY GOVT	1	3	16.66	0.00	0.00	0.00	16.66
	Service Total:	784	40,079	22,537.11	0.00	0.00	0.00	22,537.11
0003 SAN	01 RESIDENTIAL	674	0	13,992.48	0.00	0.00	0.00	13,992.48
	02 BUSINESS	79	0	5,724.72	0.00	0.00	0.00	5,724.72
	03 INDUSTRIAL	4	0	2,210.44	0.00	0.00	0.00	2,210.44
	Service Total:	757	0	21,927.64	0.00	0.00	0.00	21,927.64
0004 2MT	02 BUSINESS	1	110	26.33	0.00	0.00	0.00	26.33
	Service Total:	1	110	26.33	0.00	0.00	0.00	26.33
0005 2MS	02 BUSINESS	1	110	23.34	0.00	0.00	0.00	23.34
	Service Total:	1	110	23.34	0.00	0.00	0.00	23.34
0006 SO	01 RESIDENTIAL	1	0	9.55	0.00	0.00	0.00	9.55
	Service Total:	1	0	9.55	0.00	0.00	0.00	9.55
0008 SEW	01 RESIDENTIAL	1	0	15.70	0.00	0.00	0.00	15.70
	Service Total:	1	0	15.70	0.00	0.00	0.00	15.70
	Report Total:	2,532		84,506.38	0.00	0.00	3,536.32	88,042.70

* End of Report: TOWN OF TIPTONVILLE *

Section @
Question #10

Section C
Question #15
Question #16

SEWER

15. Have you received any grants or capital contributions during the current fiscal year for your wastewater utility, or do you plan on receiving any grants or capital contributions during the current fiscal year for your water utility?

Yes

If yes, please provide a detailed explanation regarding these grants or capital contributions.

Tiptonville was awarded a \$525,000 CDBG Grant during FY 2019 for Comprehensive Sewer System Rehabilitation Phase I.

Tiptonville was also awarded a \$45,000 Rural Development Infrastructure Planning Grant during FY 2019 for Sewer System Rehab Planning and Inspections.

Both grants are detailed in the attached "Attachment 15 SWR Tiptonville CDBG and RDI Sewer Grant Info.pdf".

16. Have you applied for any grants that will be received over the next two years?

Yes

If yes, please provide a detailed explanation regarding these potential grants.

Tiptonville has an application pending with the U.S. Dept of Commerce Economic Development Administration requesting funds for the construction of sewer system improvements necessary to 1) provide sanitary sewer service to Generation Tubular, a new manufacturing facility to be constructed in the northwest corner of the Lake County Industrial Park near Tiptonville, TN, and 2) provide sewer service to the Port of Cates Landing, which Generation Tubular will utilize for its operations.

The primary and immediate beneficiary of the proposed project is Generation Tubular USA, Inc., which will construct a new pipe manufacturing plant creating 100 jobs with a private investment of \$18,000,000 at the Lake County Industrial Site. Generation Tubular USA, Inc. will also utilize the Port of Cates Landing facility. Other active prospects which could benefit from the proposed sewer improvements include Project Cold Front, representing a \$6,000,000 capital investment creating 75 jobs, and Project Sonic, representing a Phase 1 investment of \$275,000,000 creating 120 jobs, with that being doubled in a second phase.

Tiptonville requested 100% grant funding from EDA in the amount of \$625,000.



Purchase Order

Dispatch via Print

Econ & Community Dev

312 ROSA L PARKS AVE
WM R SNODGRASS TN TOWER
NASHVILLE TN 37243-0405
United States

Supplier: 0000001583
City of Tiptonville
DBA: City of Tiptonville
City Hall
130 S Court St
Tiptonville TN 38079-1304

Purchase Order 33001-0000013519	Date 09/30/2019	Revision	Page 1
Payment Terms Net 30	Freight Terms FOB DESTINATION	Ship Via BEST	
Buyer Julia Blair	Phone 615-253-1900	Currency USD	

Ship To: 0000018523
312 ROSA L. PARKS AVE
27TH FLOOR
NASHVILLE TN 37243
United States

Attention: Not Specified

Bill To: 312 ROSA L PARKS AVE
WM R SNODGRASS TN TOWER
NASHVILLE TN 37243-0405
United States

Tax Exempt? Y **Tax Exempt ID:** 62-6001445

Replenishment Option: Standard

Line-Sch	Item/Description	Mfg ID	Quantity	UOM	PO Price	Extended Amt	Due Date
1- 1	Federal Programs: Community Development Block Grant		1.00	DO	525,000.00	525,000.00	01/09/2020

Schedule Total 525,000.00

Contract ID: 000000000000000000061902

Contract Line: 1 **Category Line:** 0 **Release:** 68

Item Total 525,000.00

Total PO Amount 525,000.00

Authorized Signature



GOVERNMENTAL GRANT CONTRACT

(cost reimbursement grant contract with a federal or Tennessee local governmental entity or their agents and instrumentalities)

Begin Date September 30, 2019	End Date September 29, 2022	Agency Tracking # 33004-22620	Edison ID 13519
Grantee Legal Entity Name City of Tiptonville			Edison Vendor ID 1583

Subrecipient or Contractor <input checked="" type="checkbox"/> Subrecipient <input type="checkbox"/> Contractor	CFDA # 14.228 Grantee's fiscal year end 06/30
--	--

Service Caption (one line only)
Community Development Block Grant - Sewer System Improvements

Funding —					
FY	State	Federal	Interdepartmental	Other	TOTAL Grant Contract Amount
2019		\$525,000.00			\$525,000.00
TOTAL:		\$525,000.00			\$525,000.00

Grantee Selection Process Summary

Competitive Selection

Non-competitive Selection

Grantees under the Federal Programs: Community Development Block Grant Program and Appalachian Regional Commission are selected based upon criteria set forth in the Delegated Grant Authority for this program.

Budget Officer Confirmation: There is a balance in the appropriation from which obligations hereunder are required to be paid that is not already encumbered to pay other obligations.

CPO USE - GG

Jerrin L. Johnson 1/7/2020

Speed Chart (optional)	Account Code (optional)
-------------------------------	--------------------------------

61902

ATTACHMENT B

GRANT BUDGET			
GRANT CONTRACT #:			
GRANTEE: <u>City of Tiptonville</u>			
GRANTEE CONTACT: <u>Cliff Berry, Mayor, fran.hearn@tiptonvillecityhall.com</u>			
PROGRAM AREA:			
The Grant Budget line-item amounts below shall be applicable only to expenses incurred during the following applicable period:			
BEGIN: September 30, 2019		END: September 29, 2022	
EXPENSE OBJECT LINE-ITEM CATEGORY ¹	GRANT CONTRACT	GRANTEE MATCH	TOTAL PROJECT
Construction	\$402,800.00	\$25,711.00	\$428,511.00
Construction Inspection	\$42,300.00	\$2,700.00	\$45,000.00
Engineering Design	\$35,408.00	\$2,260.00	\$37,668.00
Engineering (other than design) ²	0.00	0.00	0.00
Legal Services	\$1,410.00	\$90.00	\$1,500.00
Appraisals	0.00	0.00	0.00
Acquisition of Real Property	0.00	0.00	0.00
Relocation (payments and assistance to persons, businesses, non-profit organizations, including movement to other temporary or permanent sites)	0.00	0.00	0.00
Housing Rehabilitation (loans and grants for single-unit, privately-owned homes)	0.00	0.00	0.00
Housing Inspection	0.00	0.00	0.00
Clearance and Demolition	0.00	0.00	0.00
Grant/Project Administration	\$28,610.00	\$1,890.00	\$31,500.00
Tap Fees (for "low and moderate income" beneficiaries)	0.00	0.00	0.00
Environmental Review	\$1,880.00	\$120.00	\$2,000.00
Capital Purchase ²	0.00	0.00	0.00
Other Non-Personnel ²	0.00	0.00	0.00
Other Professional Fees ²	0.00	0.00	0.00
Project Contingency (for potential project costs exceeding the total budget amount in line items above)	\$11,592.00	\$740.00	\$12,332.00
GRAND TOTAL	\$525,000.00	\$33,511.00	\$558,511.00

¹ Each expense object line-item shall be defined by the Department of Finance and Administration Policy 03, *Uniform Reporting Requirements and Cost Allocation Plans for Subrecipients of Federal and State Grant Monies, Appendix A*. (posted on the Internet at: <http://www.state.tn.us/finance/act/documents/policy3.pdf>).

² Applicable detail follows this page if line-item is funded.

**SEWER SYSTEM REHABILITATION PHASE I
CITY OF TIPTONVILLE, LAKE COUNTY, TENNESSEE
CONSTRUCTION COST ESTIMATE**

Item	Quantity	Unit	Description	Unit Price	Total Price
1	27	Ea.	Locate Manhole Under Pavement, Excavate Pavement, Adjust Manhole Frame to Street Grade, Repair Pavement, Clean Manhole and Perform MACP Level 2 Assessment, Use Zoom Camera to Investigate Intersecting Pipes	\$1,500.00	\$40,500
2	211	Ea.	Clean Manhole and Perform MACP Level 2 Assessment, Use Zoom Camera to Investigate Intersecting Pipes	\$150.00	\$31,650
3	4	Ea.	Furnish and Install Clamp-On Flow Meter on Force Mains on Vertical Runs Where Force Mains Enter Lagoon Headworks	\$5,500.00	\$22,000
4	1	Ea.	SCADA Installation for Flow Metering and Rain Gauge Monitoring at Lagoon	\$11,000.00	\$11,000
5	1	Ea.	SCADA-Connected Rain Gauge at Lagoon	\$1,500.00	\$1,500
6	70,000	L.F.	Sewer Smoke Testing, Incl. Defect Logging	\$1.25	\$87,500
7	40	Ea.	Replace Cleanout Cap	\$30.00	\$1,200
8	45	Ea.	Dig and Point Repair Exist. Service Connection, Incl. Service Line and All Items to Repair the Lateral Connection to the Sewer Main, 0'-10' Deep, 0'-6' Long	\$1,500.00	\$67,500
9	20	Ea.	Dig and Point Repair Exist. Sewer Main, 8"-10" Diameter, 0'-10' Deep, 0'-6' Long	\$4,250.00	\$85,000
Item	Quantity	Unit	Description	Unit Price	Total Price
10	3	Ea.	Disconnect Roof, Patio, or Area Drain	\$1,500.00	\$4,500
11	5,000	L.F.	Cleaning and CCTV Inspection: 8" and 10" Sewer Pipe	\$2.80	\$14,000
12	1,500	L.F.	Additional for Heavy Cleaning	\$1.50	\$2,250
13	5	Ea.	Complete Manhole Replacement	\$5,500.00	\$27,500
14	200	S.Y.	Sawcut and Replacement of Asphaltic Pavement	\$75.00	\$15,000
15	100	Ea.	Sawcut and Replacement of Concrete Sidewalks	\$75.00	\$7,500
16	200	LF	Pipe Renewal Using Cured in Place Pipe, 8"-10" Diameter or by Similar Renewal Method	\$42.00	\$8,400
17	30	Ea.	Service Reinstatement Along Renewed Pipe Sections	\$100.00	\$3,000
TOTAL ESTIMATED CONSTRUCTION COST				\$430,000	

PROJECT COST ESTIMATE

1	Construction	\$430,000.00
2	Construction Inspection	\$45,500.00
3	Engineering Design	\$37,668.00
4	Legal Services	\$1,500.00
5	Project Administration	\$31,500.00
6	Environmental Review	\$2,000.00
7	Project Contingency	\$11,832.00
TOTAL ESTIMATED PROJECT COST		\$560,000.00

Section C
Question #21

ORDINANCE NO. 2169

TOWN OF TIPTONVILLE, TENNESSEE

AN ORDINANCE TO ENACT SUPPLEMENTAL SEWER USE REGULATIONS, AND
ADD CHAPTER 4 TO TITLE 18 OF THE TIPTONVILLE MUNICIPAL CODE

WHEREAS, the operation of a waste water treatment facility by the Town of Tiptonville necessitates the adoption of supplemental regulations to protect public health and the environment, to reduce the interference with the operation of the facility, to prevent the introduction of substances into the facility which are incompatible with the facility, to assist in the maintenance and longevity of the facility, and to protect the general public.

THEREFORE, BE IT ORDAINED BY THE BOARD OF THE TOWN OF TIPTONVILLE, TENNESSEE, AS FOLLOWS:

18-401. Discharge Regulations.

(a) A user of the WWF may not contribute the following substances to the sewer system:

(1) Any liquids, solids, or gases which by reason of their nature or quantity are, or may be, sufficient either alone or by interaction with other substances to cause fire or explosion or be injurious in any other way to the WWF or to the operation of the WWF. Prohibited flammable materials including, but not limited to, waste streams with closed cup flash point of less than 140° F or 60° C using the test methods specified in 40 CFR 261.21. Prohibited materials include, but are not limited to, gasoline, diesel, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromate, carbides, hydrides and sulfides and other flammable substances.

(2) Any wastewater having a pH less than 5.5 or higher than 9.5 or wastewater having any other corrosive property capable of causing damage or hazard to structures, equipment, and/or personnel of the WWF.

(3) Solid or viscous substances which may cause obstruction to the flow in a sewer or other interference with the operation of the wastewater treatment facilities including, but not limited to: grease, garbage with particles greater than one-half inch (1/2") in any dimension, waste from animal slaughter, ashes, cinders, sand, spent lime, stone or marble dust, metal, glass, straw, shavings, grass clippings, rags, spent grains, spent hops, waste paper, wood, plastics, mud, glass grinding, polishing wastes, or nonwoven fabric wipes whether labeled "flushable" or not.

(4) Any pollutants, including oxygen demanding pollutants (BOD, etc.) released at a flow rate and/or pollutant concentration which will cause interference to the WWF.

(5) Any wastewater having a temperature which will inhibit biological activity in the WWF treatment plant resulting in interference, but in no case wastewater with a temperature at the introduction into the WWF which exceeds 40° C (104° F) unless approved by the State of Tennessee.

(6) Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin or synthetic oil in amounts that will cause interference or pass through.

(7) Pollutants which result in the presence of toxic gases, vapors, or fumes within the WWF in a quantity that may cause acute worker health and safety problems.

(8) Any wastewater containing any toxic pollutants, chemical elements, or compounds in sufficient quantity, either singly or by interaction with other pollutants, to injure or interfere with any wastewater treatment process, constitute a hazard to humans, including wastewater plant and collection system operators, or animals, create a toxic effect in the receiving waters of the WWF, or to exceed the limitation set forth in a categorical pretreatment standard. A toxic pollutant shall include but not be limited to any pollutant identified pursuant to Section 307(a) of the Act.

(9) Any trucked or hauled pollutants.

(10) Any substance which may cause the WWF's effluent or any other product of the WWF such as residues, sludges, or scums, to be unsuitable for reclamation and reuse or to interfere with the reclamation process. In no case, shall a substance discharged to the WWF cause the WWF to be in non-compliance with sludge use or disposal criteria, 40 CFR 503, guidelines, or regulations developed under Section 405 of the Act; any criteria, guidelines, or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act, the Clean Air Act, the Toxic Substances Act, or state criteria applicable to the sludge management method being used.

(11) Any substance which will cause the WWF to violate its state operating permit or any applicable state or federal law or regulations or the receiving water quality standards.

(12) Any wastewater causing discoloration of the wastewater treatment plant effluent to the extent that the receiving stream water quality requirements would be violated, such as, but not

limited to, dye wastes and vegetable tanning solutions.

(13) Any waters or wastes causing an unusual volume of flow or concentration of waste constituting "slug" as defined herein.

(14) Any waters containing any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the city in compliance with applicable state or federal regulations.

(15) Any wastewater which causes a hazard to human life or creates a public nuisance.

(16) Any waters or wastes containing animal or vegetable fats, wax, grease, or oil, whether emulsified or not, which cause accumulations of solidified fat in pipes, lift stations and pumping equipment, or interfere at the treatment plant.

(17) Detergents, surfactants, surface-acting agents or other substances which may cause excessive foaming at the WWF or pass through of foam.

(18) Wastewater causing, alone or in conjunction with other sources, the WWF to fail toxicity tests.

(19) Any storm water, surface water, groundwater, roof runoff, subsurface drainage, uncontaminated cooling water, or unpolluted industrial process waters to any sanitary sewer. Storm water and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as storm sewers, or to a natural outlet approved by the superintendent and the Tennessee Department of Environment and Conservation. Industrial cooling water or unpolluted process waters may be discharged on approval of the city and the Tennessee Department of Environment and Conservation, to a storm sewer or natural outlet.

(20) Water from the process of commercial car washing regardless of the style or type of that car washing process without an engineering capacity evaluation and written permission from the city.

(b) In addition to the general and specific prohibitions listed in this section, users may be subject to additional restrictions to their wastewater discharge in order to protect the WWF from interference or protect the receiving soils and/or groundwater from pass through contamination.

Chapter 3 Fat, Oil, and Grease Regulations

18-402. Control of fat, oil, and grease. The city encourages all users of the sanitary sewer system to take voluntary steps to reduce the amount of fat, oil, and grease that is poured, drained, or washed down drains into the sanitary sewer system.

18-403. Definitions. Unless the context specifically indicates otherwise, the following terms and phrases, as used in this title, shall have the meanings hereinafter designated:

“Additives” means products that contain solvents, emulsifiers, surfactants, caustics, acids, enzymes and bacteria. They may be inorganic or organic in origin.

“Best Management Practices” or “BMP” means actions or schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to implement the requirements of this ordinance.

“Fat, Oil, and Grease” or “FOG” means the organic polar or non-polar compounds derived from animal and/or plant sources. If lab testing is required to quantify the amount of FOG, the Hexane Extractable Material test is to be used or an equivalent 40 CFR 136 approved method.

“Food Service Establishment” or “FSE” means any establishment, business or facility engaged in preparing, serving or making food available for consumption. Single family residences are not a FSE, however, multi-residential facilities may be considered a FSE at the discretion of the manager. FSEs are classified as follows:

Class 1: Delis-engaged in the sale of cold-cut and microwaved sandwiches/subs with no frying or grilling on site, ice cream shops and beverage bars as defined by the North American Industrial Classification System (NAICS) 722515 or mobile food vendors as defined by NACIS 722330. Bed and breakfast establishments as defined by NACIS 72119.

Class 2: Limited-service restaurants (a.k.a. fast food facilities) as defined by NACIS 722513, except fast food with food line that is heavily fried and a history of FOG discharges that interfere with the sanitary sewer system, and catering as defined by NACIS 722320.

Class 3: Full service restaurants as defined by NACIS 722110.

Class 4: Buffet and cafeteria facilities as defined by NACIS 72212.

Class 5: Institutions (schools, hospitals, prisons, etc.), as defined by NACIS

"Grease, Brown" means fats, oils, and grease that are discharged to the grease control equipment.

"Grease, Yellow" means fats, oils, and grease that have not been in contact with or contaminated from other sources such as water, wastewater, solid waste and can be readily recycled.

"Grease Control Equipment" or "GCE" means a device for separating and retaining wastewater FOG prior to the wastewater exiting the FSE property and entering into the sanitary sewer system. GCE includes grease traps and grease interceptors or other devices.

"Grease Interceptor" means an interceptor whose rated flow exceeds 50 gallons per minute (gpm) and is located outside the building.

"Grease Trap" means an interceptor whose rated flow is 50 gpm or less and is typically located inside the building.

"Grease Recycle Container" means a container used for the storage of yellow grease for recycling.

"Interceptor" means a device designed and installed to separate and retain for removal, by automatic or manual means, deleterious, hazardous or undesirable matter from normal wastes, while permitting normal sewage or waste to discharge into the drainage system by gravity flow.

"Interference" means a discharge that, alone or in conjunction with a discharge or discharges from other sources, inhibits or disrupts the sanitary sewer collection operation, the treatment processes or operations, or the sludge processes, use or disposal, or exceeds the design capacity of the treatment works or collection system.

"Manager" means the designated representative of the Town of Tiptonville.

"Tee" (influent & effluent) means a T-shaped pipe attached to the horizontal influent and effluent pipes of a grease interceptor and extending downward into the trap to depths specified by design which on the influent side forces influent flow into the center of the trap and prevents floating FOG from escaping the effluent pipe.

"Water, black" means wastewater containing human waste from sanitary fixtures such as toilets or urinals.

"Water, gray" means all other wastewater other than black water.

"Wastewater Facility" or "WWF" means any and all of the following: the collection/transmission system, treatment plan, and the reuse or disposal system, which is operated by the Town of Tiptonville. This definition includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial waste of a liquid nature. It also includes sewers, pipes, and other conveyances if they convey wastewater to a WWF treatment plan.

"Biochemical Oxygen Demand" or "BOD" means the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure for five (5) days

at 20 centigrade expressed in terms of weight and concentration (milligrams per liter (mg/l)).

18-404. Discharge of fat, oil, and grease. No user shall contribute or cause to be contributed, directly or indirectly, any pollutant or wastewater which will interfere with the operation and performance of the WWF. Prohibited discharges include any waters or wastes containing fats, wax, grease, or oil, whether emulsified or not, in excess of one hundred (100) mg/l or containing substances which may solidify or become viscous at temperature between thirty-two degrees (32°) and one hundred fifty (150°) F (0 to 65° C).

18-405. Interference with sanitary sewer system operations. Any user who discharges animal or vegetable fat, oil, or grease in the volume or form which interferes with the operation of the sanitary sewer system may be subject to enforcement actions as specified herein and may be billed for cleanup charges incurred by the city when that user's discharge causes operation and maintenance problems in the sanitary sewer system such as blockages, backups, overflows, and interruption of service, excessive FOG accumulation in lift stations and pipes, and other FOG related problems that are tracked to that user's discharge.

18-406. Control of fat, oil, and grease.

(a) All existing and new FSE shall effectively control the discharge of FOG into the sanitary sewer system. A Class 1 FSE may do this through the use of restaurant best management practices such as those published by the National Restaurant Association. If best management practices fail to prevent sanitary sewer system interferences, Class 1 FSE shall install and maintain grease control equipment as set forth below.

(b) All new Class 2, 3, 4, and 5 FSE shall install grease control equipment in sizes specified in Sec. 18-306 and properly maintain that equipment in such a way to prevent interference with the sanitary sewer system.

(c) Existing FSE that do not meet these minimum sizes may continue to use existing GCE and best management practices if the discharge from the FSE is not interfering with the sanitary sewer system and the manager gives written permission stating that the current GCE and practices are preventing interference with the sanitary sewer system. Upon written notice from the manager that the existing GCE or BMP's are inadequate to protect the sanitary sewer system from interference, the FSE shall have thirty (30) days to install additional GCE to prevent FOG interference with the sanitary sewer system.

(d) All FSE and GCE shall maintain records of the cleaning and maintenance of that equipment. Records shall minimally include the date of cleaning or maintenance, company or person conducting the cleaning or maintenance, and the amount of grease and water removed from the equipment. A grease waste hauler completed manifest will meet this requirement.

(e) Yellow grease such as fryer oil, shall not be discharged into the GCE or into storm water conveyances. The use of yellow grease recycling containers is encouraged.

(f) Owners of commercial property will be held responsible for wastewater discharges from FSE leaseholders on this property.

(g) All FSE shall provide access to the city for the purpose of inspection of GCE, kitchen equipment and practices, and any cleaning and drain remediation products which relate to the wastewater and FOG discharge.

18-407. Grease control equipment, minimum size.

(a) The minimum acceptable GCE by FSE Class is as follows:

Class 1: 20 gallon per minute/40 pound grease trap

Class 2: 500 gallon grease interceptor

Class 3: 1,000 gallon grease interceptor

Class 4: 1,500 gallon grease interceptor

Class 5: 2,000 gallon grease interceptor

(b) A FSE that is found by the manager to be interfering with the sanitary sewer system may be directed to install GCE that is larger than the minimum size and take other steps to stop that interference.

(c) Existing FSE that do not meet these minimum sizes may continue to use existing GCE and best management practices if the discharge from the FSE is not interfering with the sanitary sewer system and the manager gives written permission stating that the current GCE and practices are preventing interference with the sanitary sewer system. Upon written notice from the manager that the existing GCE or BMP are inadequate to protect the sanitary sewer system from interference, the FSE shall have sixty (60) days to install additional GCE to prevent FOG interference with the sanitary sewer system.

(d) A FSE that discharges the water from a dishwashing machine through a grease interceptor shall install a GCE which is larger than the minimum to allow for cooling of the discharge and thereby prevent discharge of FOG into the sanitary sewer system.

(e) Grease Traps. These small, under-the-counter units shall be installed according to the drawings provided by the manager and shall include a vented flow restrictor prior to the trap. Failure to follow this requirement will render the trap ineffective and the FSE shall be instructed to install a large external grease interceptor.

18-408. Installation of grease control equipment. Customers are responsible for installation of grease control equipment (GCE) in accordance with the following:

(1) Grease traps shall be installed according to the requirements in Section 18-407(e).

(2) Grease interceptors shall be substantially similar to sample drawings available from the city.

- (3) Tanks must be water tight and be protected from rainwater inflow and infiltration.
- (4) Two access manholes with a minimum of 24" diameter shall be provided, one directly over the influent pipe and tee and one directly over the effluent pipe and tee.
- (5) Influent and effluent pipes shall be 4" or larger, PVC Schedule 40 or stronger.
- (6) Influent and effluent pipes shall be equipped with tee fittings properly positioned so that the influent flow shall be directed downward to a tee that terminates 24 inches below the water surface, with the effluent Tee blocking all surface grease and terminate 12" above the bottom of the unit.
- (7) The tank shall be constructed to have two compartments. Two thirds of the volume shall be in the influent side and one third on the effluent side. A solid baffle wall shall extend from the bottom to within 6" of the top and shall be equipped with a 6" elbow installed in the baffle wall with drawing flow from the influent side of the unit at a depth of 12" from the bottom.
- (8) Manhole covers shall be of materials and strength to withstand expected surface loads, and secured to prevent accidental entry.
- (9) Interceptors shall be located for effective cleaning and not blocked by structures or landscaping.
- (10) Interceptor sizes greater than 2,500 gallons shall be served by two tanks installed in series.

18-409. Maintenance of grease control equipment. Customers are responsible for maintenance of the grease control equipment as follows:

- (1) Grease traps should be cleaned once every thirty days, or more often, when the combined depth of FOG and solids exceed 50% of the trap. Users shall maintain a manifest or other documentation of the history of cleaning with the legible signature of the responsible user representative.
- (2) Grease interceptors shall be pumped when the layer of FOG and settled solids combined reaches 25% of the tank depth.
- (3) When grease interceptors are pumped, the entire contents, FOG layer, settled solids and water shall be fully removed. No water may be returned to the tank.
- (4) Interceptors shall be inspected for deterioration and damage by the user or waste grease hauler each time the unit is cleaned.
- (5) Deteriorated or damaged tanks shall be repaired or replaced within sixty (60) days of such deterioration or damage being noticed.

18-410. Use of additives. The use of additives is prohibited except under the following conditions:

Additives may be used to clean FSE drain lines but only in such quantities that will not cause FOG to be discharged from the GCE to the sanitary sewer or cause temporary breakdown of the FOG that will later re-congeal in the downstream sewer pipes.

If a product used can be proven to contain 100% live bacteria, with no other additives, a request for permission to use the product shall be made to the manager. The request must be submitted in writing with a full disclosure Material Safety Data sheet and a certified statement

from the manufacturer.

18-411. Implementation. The manager is authorized to adopt reasonable operating policies to facilitate the implementation of this ordinance over a period not to exceed six months from final passage. These policies may include but are not limited to FSE inspections, GCE sizing and maintenance, FSE wastewater discharge testing and monitoring, approval or disapproval of GCE servicing vendors (grease waste haulers), permitting of FSE, and other operating policies needed to protect the sanitary sewer system from interference from FOG.

18-412. Permitting. The city is authorized to issue FSE permits as a way of implementing this ordinance, and may further require the permitting or certification of GCE service and pumping vendors.

18-413. Legal action. If any person discharges sewage, industrial wastes or other wastes into the city's wastewater disposal system contrary to the provisions of this title, federal or state pretreatment requirements, or any order of the city or manager, the manager may commence an action for appropriate legal and equitable relief in the chancery court of the county.

18-414. Declaration of public nuisance. Discharges of wastewater in any manner in violation of this ordinance is hereby declared a public nuisance and shall be corrected or abated as directed by the manager. Any person creating a public nuisance shall be subject to the provisions of the city codes or ordinances governing such nuisance.

18-415. Correction of violation; collection of costs. In order to enforce the provisions of this article, the manager is authorized to correct any violation hereof. The cost of such correction shall be added to any sewer service charge payable by the person violating the article or the owner or tenant of the property upon which the violation occurred, and the manager shall have such remedies for the collection of such costs as it has for the collection of sewer service charges.

18-416. Damage to facilities. When a discharge of wastes causes an obstruction, damage, or any other physical or operational impairment to WWF, the city shall assess a charge against the user for the work required to clean or repair the facility and add such charge to the user's sewer service charge.

18-417. Civil liabilities. Any person or user who intentionally or negligently violates any provision of this ordinance or any conditions set forth in permit duly issued, or who discharges wastewater which causes pollution or violates any cease and desist order, prohibitions, effluent limitation, national standard or performance, pretreatment or toxicity standard, shall be liable civilly. The city shall sue for such damage in any court of competent

jurisdiction. In determining the damages, the court shall take into consideration all relevant circumstances, including, but not limited to, the extend of harm caused by the violation, the nature and persistence of the violation, the length of time over which the violation occurs, and the correcting action, if any.

18-418. Civil penalties. Any user who is found to have violated an order of the manager or who willfully or negligently failed to comply with any provision of this article, and the order, rules, regulations and permits issued hereunder, shall be guilty of an offence and subject to a fine. Each day or part of a day during which a violation shall occur or continue shall be deemed a separate and distinct offence.

18-419. Termination of water service for noncompliance with certain sections. As an additional method of enforcing the provisions of this ordinance, the manager shall have the right to seek the discontinuation of water service to any customer who is in violation; provided, however, that before discontinuance of water service, a ten (10) day notice shall be given the customer; and provided, further, that water service shall be resumed upon satisfactory showing being made to the manager that arrangements have been made for compliance with the provisions of this ordinance.

18-420. Provisions supplemental. The provisions of this chapter are supplemental to and do not repeal any other ordinance, rule or regulation concerning the subject matter hereof.


This ordinance shall take effect following its final passage, the public welfare requiring it.

Passed First Reading: 7-14-15

Passed Second Reading: 8-11-15



Reid Yates, Mayor



Fran Hearn, City Recorder

24. Do you have a plan to improve your infiltration and inflow (I&I)?

Question # 24

Yes

If yes, please provide a detailed explanation as to how this will be improved along with your current I&I data.

1. Infiltration and Inflow

Tiptonville experiences significant rainfall-derived infiltration and inflow ("RDII") during rain events of any magnitude. The area, immediately adjacent to the Mississippi River, has a seasonally-high water table just a few feet below ground level which adds to the problem. Frequent seismic activity has also probably contributed to deterioration of the system. A summary of the influent flows as reported on Tiptonville's "Monthly Operations Reports" (MORs) appears below.

SUMMARY OF INFLUENT FLOWS AT TIPTONVILLE LAGOON					
(THOUSAND GALLONS)					
Month	Minimum	Maximum	Max/Min	Average	Total
May-17	787	2,355	299%	1,093	33,896
Jun-17	744	973	131%	853	25,601
Jul-17	698	1,034	148%	785	24,334
Aug-17	689	933	135%	774	23,990
Sep-17	696	933	134%	785	23,540
Oct-17	613	820	134%	697	21,620
Nov-17	539	1,793	333%	796	23,890
Dec-17	543	1,188	219%	803	24,900
Jan-18	788	1,413	179%	1,055	32,700
Feb-18	749	2,397	320%	1,312	36,750
Mar-18	893	2,043	229%	1,161	35,990
Apr-18	826	1,917	232%	1,068	32,050
		Totals		11,182	339,261
	Average for Year			932	

Since the demand from Tiptonville's customer as is extremely consistent, the high ratios of the Maximum Flows vs. Minimum Flows as reported above are conclusive evidence that the system is plagued with excessive rainfall-derived infiltration and inflow.

2. CDBG and RDIP Funds (described in Question 15) will be used for the following I/I Improvements:

A. Repairs Identified by 2015 Smoke Testing

The proposed project will include performing all repairs numbered 3 through 12 as identified in Tiptonville's 2015 Smoke Test.

B. Installation of SCADA Monitored Flow Meters on Influent Force Mains at Lagoon

The proposed project includes the installation of four strap-on flow meters on the incoming force mains at the Tiptonville lagoon to accomplish continuous flow monitoring in Tiptonville's three major drainage basins plus the Northwest Correctional Complex collection system. Currently the flows from these four force mains combine in a stilling chamber upstream of a Parshall flume, where only the combined flows are recorded.

C. Installation of SCADA Monitored Rain Gauge at Lagoon

The SCADA unit described above will also be used to continuously log and monitor a proposed rainfall gauge. The rain gauge will be used to correlate the wastewater flow data recorded from each lift station to rainfall events, giving a good measure of RDII before and after RDII remediation activities.

D. Manhole Excavation, Frame Adjustments to Street Level, and Initial Condition Assessment

Approximately 118 manholes known to be under pavement will be located, excavated, and inspected. Manhole defects will be identified in accordance with the NASSCO Manhole Assessment and Certification program. Additionally, a “zoom” camera will be lowered into each manhole to obtain views of all pipes intersecting each manhole, thereby allowing a visual assessment of each intersecting pipe’s diameter, material, and condition. Each manhole frame will be raised to street grade and the surrounding pavement will be restored.

E. Initial Condition Assessment of Manholes at Grade

The remaining 123 at-grade manholes will be inspected. Manhole defects will be identified in accordance with the NASSCO “Manhole Assessment and Certification” program. Additionally, a “zoom” camera will be lowered into each manhole to obtain views of all pipes intersecting each manhole, thereby allowing a visual assessment of each intersecting pipe’s diameter, material, and condition.

F. Comprehensive Smoke Testing of Collection System

Tiptonville’s prior smoke testing efforts, although limited to 6,900 feet of collector, identified numerous defects, with many being readily remedied at a very low cost. Accordingly, the proposed project includes smoke testing across the remainder of the entire collection system in accordance with NASSCO specifications and smoke testing guidelines, and the Contractor will provide a log identifying the location and nature of all defects using NASSCO data codes and database structure.

G. Repairs Identified by Smoke Testing and Manhole Assessments

As the smoke testing and manhole evaluation progresses, and defects identified, all readily accomplished repairs and replacements will be performed. Specifically, missing or broken cleanout caps will be replaced, connected roof gutter drains will be disconnected, patio and area drains will be disconnected, and shallow point repairs to mains and service laterals will be repaired where accessible and practical, etc.

H. Closed-Circuit Television Camera Pipe Inspection

Funds for CCTV inspection of 5,000 L.F. of gravity sewers are being budgeted, with funds for an additional 1,500 L.F. of extra heavy cleaning being budgeted as well.

Where warranted as practical, based upon the results of the smoke testing and information derived from the “zoom” camera images, selected segments of the collection system will be subjected to inspection via closed-circuit television camera (“CCTV”) in accordance with NASSCO specifications and guidelines for CCTV Inspection, defect logging and coding, and database structure.

I. Ranking Pipes and Manholes for Replacement Using a Scoring Protocol

At this point, the defect logs and databases generated by the manhole assessments, smoke testing, and CCTV work will be evaluated in order to prioritize the pipeline renewal/replacements and manhole repair/replacements going forward. Pipe assessments will be conducted using PACP (Pipe Assessment Certification Program) protocol with data results compiled in an PACP-compliant database. Videos and photographs will be linked to the database.

J. Repair/Replace Pipes and/or Manholes with Highest Priority with Remaining Funds

The results of the prioritization process are difficult to predict. Unknown is whether extensive pipeline renewal will be determined the most effective, or if manhole renewal is the best solution. Accordingly, funds are being budgeted for 200 L.F. of pipe replacement using cured-in-place or an alternate form of trenchless sewer main renewal. Additionally, funds are being budgeted for five complete manhole replacements and ten manhole rehabilitations using cementitious, polymeric, or other type lining deemed the most cost effective and appropriate given the conditions.



JASON E. MUMPOWER
Comptroller

Entity Referred: **Town of Atoka**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

The Town contracted with TAUD to complete the directives from the Board's December 2020 order. TAUD later requested an extension from April 1, 2021 to July 31, 2021 to complete the work. Staff granted the extension, but due to unforeseen staffing issues, TAUD still needs more time. Staff is without authority to grant another extension. Because the delay has not been caused by any noncompliance by the Town, Staff recommends that the Board provide a final extension for its directives to be met. Extending the deadline to December 3, 2021, will provide ample time for TAUD to finish the report and for the Town to begin implementing the resulting recommendations.

Staff Recommendation:

Order the following:

Paragraph 4 of the Board's December 3, 2020, order is amended to the following:

By December 3, 2021, the Town shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

BEFORE THE TENNESSEE WATER AND WASTEWATER FINANCING BOARD

IN THE MATTER OF:

TOWN OF ATOKA

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**TENN. CODE ANN. § 68-221-1010
-FINANCIAL DISTRESS**

ORDER

On November 19, 2020, the Tennessee Water and Wastewater Financing Board (“the Board”) reviewed the financially distressed status of the Town of Atoka (“the Town”) pursuant to Tenn. Code Ann. § 68-221-1010. Board staff informed the Board that the Town currently charges different connection, tap, service, and activation fees for customers outside the Town versus those living inside the Town’s boundaries; however, Staff is unable to determine whether this discrepancy is justifiable.

Vice Chairman Moss expressed concern that although the Town is currently purchasing water at an inexpensive rate, it is still considering building a new water treatment plant despite its financial distress. Vice Chairman Moss recommended that the Board have the Town justify building a new water plant over continuing to purchase its water.

Therefore, based on Staff’s statements and recommendations, Vice Chairman Moss’s concerns, and all supporting documentation, the Board hereby orders the following:

1. The Town shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:

- a. a review of the capitalization policy, including any recommended modifications;
 - b. creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs;
 - c. a review of all water and sewer fees, including any recommended modifications;
 - d. a justification for the differing fee classes, or if no justification is possible, recommendations for an appropriate fee structure;
 - e. a justification for the differing tap fees, or if no justification is possible, recommendations for an appropriate tap fee structure;
 - f. a review of the leak adjustment policy, including any recommended modifications; and
 - g. a cost justification for the Town starting a water treatment plant as opposed to continuing to buy water.
2. By December 31, 2020, the Town shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
 3. By December 31, 2020, the Town shall send Board staff proof that all members of the utility system's governing body have complied with the training requirements set out in Tenn. Code Ann. § 7-34-115(j).
 4. By April 1, 2021, the Town shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

5. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a show of good cause by the Town.

ENTERED this 30th day of December, 2020.

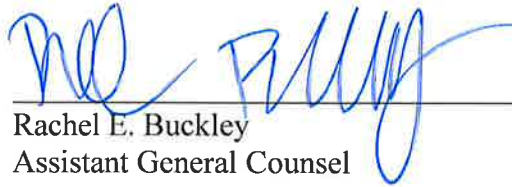


BETSY KNOTTS, Chair
Water and Wastewater Financing Board

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing has been served via certified mail return receipt requested to the following on this 30th day of December, 2020:

Mayor W. Daryl Walker
Ms. Debbie Pickard, City Recorder
Town of Atoka
334 Atoka Munford Ave.
Atoka, TN 38004



Rachel E. Buckley
Assistant General Counsel



JASON E. MUMPOWER
Comptroller

Entity Referred: **Town of Bruceton**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

The Town contracted with TAUD to complete the directives from the Board’s December 2020 order. TAUD later requested an extension from April 1, 2021 to July 31, 2021 to complete the work. Staff granted the extension, but due to unforeseen staffing issues, TAUD still needs more time. Staff is without authority to grant another extension. Because the delay has not been caused by any noncompliance by the Town, Staff recommends that the Board provide a final extension for its directives to be met. Extending the deadline to December 3, 2021, will provide ample time for TAUD to finish the report and for the Town to begin implementing the resulting recommendations.

Staff Recommendation:

Order the following:

Paragraph 4 of the Board’s December 3, 2020, order is amended to the following:

By December 3, 2021, the Town shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

BEFORE THE TENNESSEE WATER AND WASTEWATER FINANCING BOARD

IN THE MATTER OF:

TOWN OF BRUCETON

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**TENN. CODE ANN. § 68-221-1010
-FINANCIAL DISTRESS**

ORDER

On November 19, 2020, the Tennessee Water and Wastewater Financing Board (“the Board”) reviewed the financially distressed status of the Town of Bruceton (“the Town”) pursuant to Tenn. Code Ann. § 68-221-1010. Board staff explained that in its questionnaire, the Town indicated that it is financially distressed because its auditor misreported its pension information, but Staff was unable to verify the accuracy of this contention. The Town’s largest ten customers use 40% of the water, but only account for about 17% of the revenue. The Town has three unbilled water and twelve unbilled sewer customers but has provided no additional justification for this practice.

Member Adams expressed concern regarding the Town’s water loss and recommended the Board have the Town seek assistance in developing a corrective action plan to address that issue.

Therefore, based on Staff’s statements and recommendations and all supporting documentation, the Board hereby orders the following:

1. The Town shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:

- a. a justification for the differing rate classes, or if no justification is possible, recommendations for an appropriate rate structure;
 - b. a review of all water and sewer fees, including any recommended modifications;
 - c. a justification for the differing fee classes, or if no justification is possible, recommendations for an appropriate fee structure;
 - d. a review of unbilled customers, including any recommended modifications;
 - e. creation of a capitalization policy;
 - f. creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs;
 - g. a review of the leak adjustment policy, including any recommended modifications; and
 - h. creation of a corrective action plan for the Town's water loss.
2. By December 31, 2020, the Town shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
 3. By December 31, 2020, the Town shall send Board staff proof that all members of the utility system's governing body have complied with the training requirements set out in Tenn. Code Ann. § 7-34-115(j).
 4. By April 1, 2021, the Town shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

5. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the Town.

ENTERED this 3rd day of December, 2020.

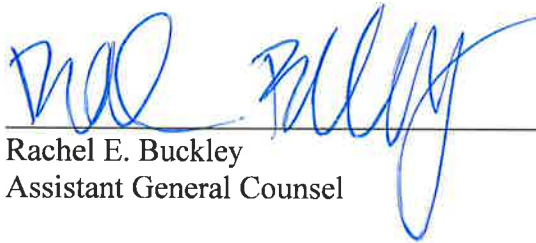


BETSY KNOTTTS, Chair
Water and Wastewater Financing Board

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing has been served via certified mail return receipt requested to the following on this 3rd day of December, 2020:

Mayor Robert T. Keeton, III
Ms. Annie M. Hand, City Recorder
Town of Bruceton
209 Cheatham St.
Bruceton, TN 38317



Rachel E. Buckley
Assistant General Counsel



JASON E. MUMPOWER
Comptroller

Entity Referred: **City of Collinwood**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water**

Staff Summary:

The City contracted with TAUD to complete the directives from the Board's December 2020 order. TAUD later requested an extension from April 1, 2021 to July 31, 2021 to complete the work. Staff granted the extension, but due to unforeseen staffing issues, TAUD still needs more time. Staff is without authority to grant another extension. Because the delay has not been caused by any noncompliance by the City, Staff recommends that the Board provide a final extension for its directives to be met. Extending the deadline to December 3, 2021, will provide ample time for TAUD to finish the report and for the City to begin implementing the resulting recommendations.

Staff Recommendation:

Order the following:

Paragraph 4 of the Board's December 3, 2020, order is amended to the following:

By December 3, 2021, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

BEFORE THE TENNESSEE WATER AND WASTEWATER FINANCING BOARD

IN THE MATTER OF:

CITY OF COLLINWOOD

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**TENN. CODE ANN. § 68-221-1010
-FINANCIAL DISTRESS**

ORDER

On November 19, 2020, the Tennessee Water and Wastewater Financing Board (“the Board”) reviewed the financially distressed status of the City of Collinwood (“the City”) pursuant to Tenn. Code Ann. § 68-221-1010. Board staff explained that the City has not adjusted its rates in five years and currently has no plan to do so. The City has never adopted a rate ordinance.

Staff also indicated that as part of an effort to divest Wayne County of its water system, Wayne County has offered Collinwood a lucrative deal in which Collinwood would take over one of Wayne County’s water lines. Collinwood currently already supplies water to that line. Collinwood has refused to take over the line, even though such a takeover would result in a gain of \$14,000 per year according to the engineer’s report.

Therefore, based on Staff’s statements and recommendations and all supporting documentation, the Board hereby orders the following:

1. The City shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a water and sewer rate study that includes the following:
 - a. a review of the capitalization policy, including any recommended modifications;

- b. a review of the debt management policy, including any recommended modifications;
 - c. a justification for the differing rate classes, or if no justification is possible, recommendations for an appropriate rate structure;
 - d. a review of all water and sewer fees, including any recommended modifications;
 - e. a review of the cost to produce 1,000 gallons of water;
 - f. creation of a rate ordinance;
 - g. creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs;
 - h. creation of a written leak adjustment policy; and
 - i. a justification for the City's refusal to accept the water line from Wayne County.
2. By December 31, 2020, the City shall send Board staff a copy of the contract between the City and the qualified expert who is to perform the tasks in paragraph 1.
3. By December 31, 2020, the City shall send Board staff proof that all members of the utility system's governing body have complied with the training requirements set out in Tenn. Code Ann. § 7-34-115(j).
4. By April 1, 2021, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

5. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the City.

ENTERED this 3rd day of December, 2020.

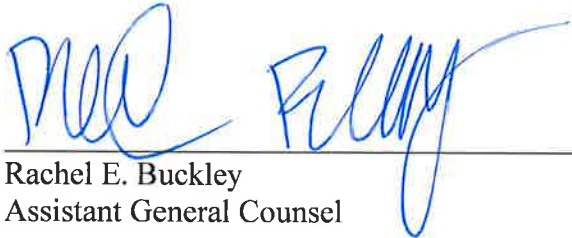


BETSY KNOTTS, Chair
Water and Wastewater Financing Board

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing has been served via U.S. mail to the following on this 3rd day of December, 2020:

Mayor James G. Brown
Ms. Cynthia Kephart, City Recorder
City of Collinwood
P.O. Box 98
Collinwood, TN 38450



Rachel E. Buckley
Assistant General Counsel



JASON E. MUMPOWER
Comptroller

Entity Referred: **City of Erin**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

The City contracted with TAUD to complete the directives from the Board's December 2020 order. TAUD later requested an extension from April 1, 2021 to June 30, 2021 to complete the work. Staff granted the extension, but due to unforeseen staffing issues, TAUD still needs more time. Staff is without authority to grant another extension. Because the delay has not been caused by any noncompliance by the City, Staff recommends that the Board provide a final extension for its directives to be met. Extending the deadline to December 3, 2021, will provide ample time for TAUD to finish the report and for the City to begin implementing the resulting recommendations.

Staff Recommendation:

Order the following:

Paragraph 3 of the Board's December 3, 2020, order is amended to the following:

By December 3, 2021, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

BEFORE THE TENNESSEE WATER AND WASTEWATER FINANCING BOARD

IN THE MATTER OF:

CITY OF ERIN

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**TENN. CODE ANN. § 68-221-1010
-FINANCIAL DISTRESS**

ORDER

On November 19, 2020, the Tennessee Water and Wastewater Financing Board (“the Board”) reviewed the financially distressed status of the City of Erin (“the City”) pursuant to Tenn. Code Ann. § 68-221-1010. Board staff informed the Board that the City has been proactive and has already contracted with the Tennessee Association of Utility Districts (“TAUD”) for a rate study. Member Adams expressed concern regarding the City’s water loss and recommended the Board order the City to have TAUD include in its rate study a corrective action plan to address the City’s water loss.

Therefore, based on Staff’s statements and recommendations, the recommendations by Member Adams, and all supporting documentation, the Board hereby orders the following:

1. By December 31, 2020, the City shall send Board staff proof that all members of the utility system’s governing body have complied with the training requirements set out in Tenn. Code Ann. § 7-34-115(j).
2. The City shall have TAUD include in its rate study a corrective action plan to address the City’s water loss.

3. By April 1, 2021, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
4. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the City.

ENTERED this 3rd day of December, 2020.

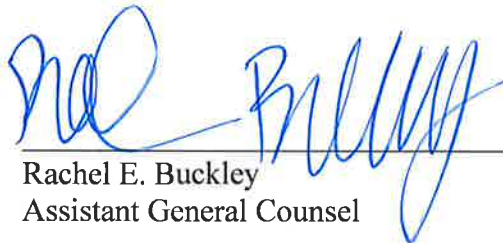


BETSY KNOTTS, Chair
Water and Wastewater Financing Board

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing has been served via U.S. mail to the following on this 3rd day of December, 2020:

Mayor Paul Bailey
Ms. Angela Neilson, City Recorder
City of Erin
P.O. Box 270
Erin, TN 37061



Rachel E. Buckley
Assistant General Counsel



JASON E. MUMPOWER
Comptroller

Entity Referred: **Lincoln County**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

The County contracted with TAUD to complete the directives from the Board's December 2020 order. TAUD later requested an extension from April 1, 2021 to July 31, 2021 to complete the work. Staff granted the extension, but due to unforeseen staffing issues, TAUD still needs more time. Staff is without authority to grant another extension. Because the delay has not been caused by any noncompliance by the County, Staff recommends that the Board provide a final extension for its directives to be met. Extending the deadline to December 3, 2021, will provide ample time for TAUD to finish the report and for the County to begin implementing the resulting recommendations.

Staff Recommendation:

Order the following:

Paragraph 4 of the Board's December 3, 2020, order is amended to the following:

By December 3, 2021, the County shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

BEFORE THE TENNESSEE WATER AND WASTEWATER FINANCING BOARD

IN THE MATTER OF:

**LINCOLN COUNTY BOARD OF
PUBLIC UTILITIES**

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**TENN. CODE ANN. § 68-221-1010
-FINANCIAL DISTRESS**

ORDER

On November 19, 2020, the Tennessee Water and Wastewater Financing Board (“the Board”) reviewed the financially distressed status of the Lincoln County Board of Public Utilities (the “BPU”) pursuant to Tenn. Code Ann. § 68-221-1010. Board staff explained that Lincoln County (“the County”) gave the sewer system to BPU less than two years ago, during which time, BPU has done extensive work to improve the system’s financial position.

However, BPU’s superintendent informed Staff that shortly before the County gave BPU the sewer system, the Lincoln County Commission entered into a contract with Fayetteville Public Utilities (“FPU”) that requires a capacity charge for the use of FPU’s collection mains and wastewater treatment plant. This capacity charge is based on 100,000 gallons per day of usage and increases by 50,000 gallons per day every July until it reaches 700,000 gallons per day. The current capacity charge is set at 200,000 gallons per day, but according to BPU’s superintendent, the sewer system operates below 10,000 gallons per day when school is in session.

Therefore, based on Staff’s statements and recommendations and all supporting documentation, the Board hereby orders the following:

1. The BPU shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - a. a review of all water and sewer fees, including any recommended modifications;
 - b. a review of unbilled customers, including any recommended modifications;
 - c. a review of the capitalization policy, including any recommended modifications;
 - d. a creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs; and
 - e. a review of the leak adjustment policy, including any recommended modifications.
2. By December 31, 2020, the BPU shall send Board staff a copy of the contract between the BPU and the qualified expert who is to perform the tasks in paragraph 1.
3. By December 31, 2020, the BPU shall send Board staff proof that all members of the utility system's governing body have complied with the training requirements set out in Tenn. Code Ann. § 7-34-115(j).
4. By April 1, 2021, the BPU shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
5. The BPU shall consult with legal counsel on its options regarding terminating the contract with FPU or renegotiating said contract.

6. By January 31, 2021, the BPU shall provide an update from counsel regarding the BPU's exercise of its viable legal options and remedies pursuant paragraph 5.
7. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the BPU.

ENTERED this 3rd day of December, 2020.

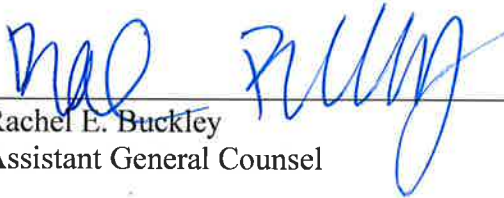


BETSY KNOTTS, Chair
Water and Wastewater Financing Board

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing has been served via certified mail return receipt requested to the following on this 3rd day of December, 2020:

Chris Merz, Superintendent
Lincoln County Board of Public Utilities
2863 Huntsville Highway
Fayetteville, TN 37334-6681



Rachel E. Buckley
Assistant General Counsel



JASON E. MUMPOWER
Comptroller

Entity Referred: **City of Puryear**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

The City contracted with TAUD to complete the directives from the Board's December 2020 order. TAUD later requested an extension from April 1, 2021 to July 31, 2021 to complete the work. Staff granted the extension, but due to unforeseen staffing issues, TAUD still needs more time. Staff is without authority to grant another extension. Because the delay has not been caused by any noncompliance by the City, Staff recommends that the Board provide a final extension for its directives to be met. Extending the deadline to December 3, 2021, will provide ample time for TAUD to finish the report and for the City to begin implementing the resulting recommendations.

Staff Recommendation:

Order the following:

Paragraph 4 of the Board's September 18, 2020, order is amended to the following:

By December 3, 2021, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

BEFORE THE TENNESSEE WATER AND WASTEWATER FINANCING BOARD

IN THE MATTER OF:

CITY OF PURYEAR

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**TENN. CODE ANN. § 68-221-1010
-FINANCIAL DISTRESS**

ORDER

On August 27, 2020, the Tennessee Water and Wastewater Financing Board (“the Board”) reviewed the financially distressed status of the City of Puryear (“the City”) pursuant to Tenn. Code Ann. § 68-221-1010. Board staff informed the Board that the City has proposed to raise rates by \$10 monthly per customer. However, Staff is unable to determine whether this increase would sufficiently remedy the City’s financial distress. Therefore, based on Staff’s statements and recommendations and all supporting documentation, the Board hereby orders the following:

1. The City shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - a. a justification for the differing rates for customers outside the City as opposed to those inside the City, or if no justification is possible, a recommendation involving a singular rate for the two types of customers;
 - b. the creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs;
 - c. a determination of the cost of producing 1,000 gallons of water, and of treating 1,000 gallons of wastewater;

- d. a review of the new customer contract to include recommended modifications if needed;
 - e. a review of tap fees to include recommended modifications if needed; and
 - f. a plan to reduce non-revenue water.
2. By October 31, 2020, the City or qualified expert shall send Board staff a copy of the contract between the City and the qualified expert who is to perform the tasks in paragraph 1.
3. By December 31, 2020, the City or qualified expert shall send Board staff proof that all board members have complied with the training requirements set out in Tenn. Code Ann. § 7-34-115(j).
4. By February 28, 2021, the City or qualified expert shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
5. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the City or qualified expert.

ENTERED this 17th day of September, 2020.

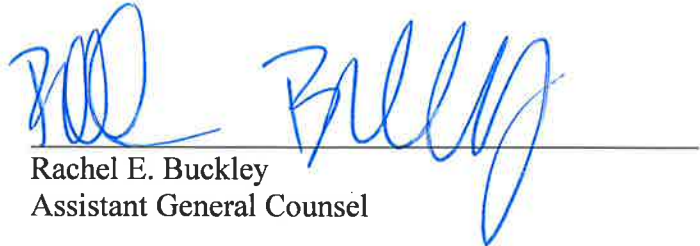


BETSY KNOTTS, Chair
Water and Wastewater Financing Board

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing has been served via U.S. mail to the following on this 18th day of September, 2020:

Mayor David Varner
Ms. Verla Smith, City Recorder
City of Puryear
P.O. Box 278
Puryear, TN 38251-0278



Rachel E. Buckley
Assistant General Counsel



JASON E. MUMPOWER
Comptroller

Entity Referred: **City of Rutledge**

Referral Reason: **Negative Change in Net Position**

Utility Type Referred: **Water and Sewer**

Staff Summary:

The City contracted with TAUD to complete the directives from the Board's December 2020 order. TAUD later requested an extension from April 1, 2021 to July 31, 2021 to complete the work. Staff granted the extension, but due to unforeseen staffing issues, TAUD still needs more time. Staff is without authority to grant another extension. Because the delay has not been caused by any noncompliance by the City, Staff recommends that the Board provide a final extension for its directives to be met. Extending the deadline to December 3, 2021, will provide ample time for TAUD to finish the report and for the City to begin implementing the resulting recommendations.

Staff Recommendation:

Order the following:

Paragraph 4 of the Board's December 3, 2020, order is amended to the following:

By December 3, 2021, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

BEFORE THE TENNESSEE WATER AND WASTEWATER FINANCING BOARD

IN THE MATTER OF:

CITY OF RUTLEDGE

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**TENN. CODE ANN. § 68-221-1010
-FINANCIAL DISTRESS**

ORDER

On November 19, 2020, the Tennessee Water and Wastewater Financing Board (“the Board”) reviewed the financially distressed status of the City of Rutledge (“the City”) pursuant to Tenn. Code Ann. § 68-221-1010. Board staff informed the Board that the City had voted to increase rates across all customer classes by approximately 10%. However, Staff is unable to determine whether this increase is sufficient to address the City’s financial difficulties or if it is justifiable.

Therefore, based on Staff’s statements and recommendations and all supporting documentation, the Board hereby orders the following:

1. The City shall have the Tennessee Association of Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - a. creation of a capitalization policy;
 - b. a review of all utility fees, including any recommended modifications;
 - c. a review of the new customer contract, including any recommended modifications;

- d. a review of the capital asset list, including any recommended modifications; and
 - e. creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs.
2. By December 31, 2020, the City shall send Board staff a copy of the contract between the City and the qualified expert who is to perform the tasks in paragraph 1.
3. By December 31, 2020, the City shall send Board staff proof that all members of the utility system's governing body have complied with the training requirements set out in Tenn. Code Ann. § 7-34-115(j).
4. By April 1, 2021, the City shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
5. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the City.

ENTERED this 31st day of December, 2020.

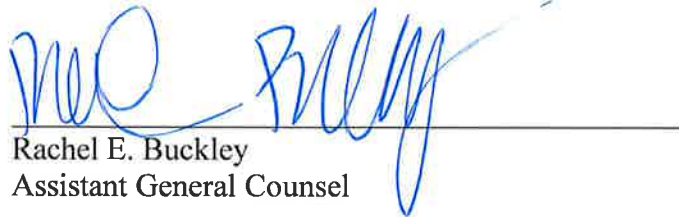


BETSY KNOTTS, Chair
Water and Wastewater Financing Board

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing has been served via certified mail return receipt requested to the following on this 31st day of December, 2020:

Mayor Fred Sykes
Ms. Stacy Harbin, City Recorder
City of Rutledge
8655 Rutledge Pike
Rutledge, TN 37861



Rachel E. Buckley
Assistant General Counsel



JASON E. MUMPOWER
Comptroller

Entity Referred: **Town of Trimble**
Referral Reason: **Negative Change in Net Position**
Utility Type Referred: **Water and Sewer**

Staff Summary:

The Town contracted with TAUD to complete the directives from the Board's December 2020 order. TAUD later requested an extension from February 28, 2021 to July 31, 2021 to complete the work. Staff granted the extension, but due to unforeseen staffing issues, TAUD still needs more time. Staff is without authority to grant another extension. Because the delay has not been caused by any noncompliance by the Town, Staff recommends that the Board provide a final extension for its directives to be met. Extending the deadline to December 3, 2021, will provide ample time for TAUD to finish the report and for the Town to begin implementing the resulting recommendations.

Staff Recommendation:

Order the following:

Paragraph 3 of the Board's September 18, 2020, order is amended to the following:

By December 3, 2021, the Town shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

BEFORE THE TENNESSEE WATER AND WASTEWATER FINANCING BOARD

IN THE MATTER OF:

TOWN OF TRIMBLE

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**TENN. CODE ANN. § 68-221-1010
-FINANCIAL DISTRESS**

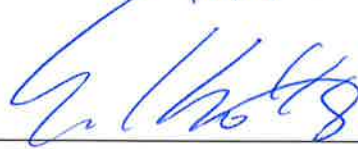
ORDER

On August 27, 2020, the Tennessee Water and Wastewater Financing Board (“the Board”) reviewed the financially distressed status of the Town of Trimble (“the Town”) pursuant to Tenn. Code Ann. § 68-221-1010. Board staff informed the Board that the Town raised its water rates by 20% in 2019, but did not raise its sewer rates. Staff is unable to determine whether this rate increase is sufficient to remedy the Town’s financial distress. Therefore, based on Staff’s statements and recommendations and all supporting documentation, the Board hereby orders the following:

1. The Town shall have the Tennessee Association Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - a. the creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs;
 - b. a review of the new customer contract, to include recommended modifications if needed;
 - c. a review of tap fees, to include recommended modifications if needed; and
 - d. a review of the leak adjustment policy, to include recommended modifications if needed.

2. By October 31, 2020, the Town or qualified expert shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
3. By February 28, 2021, the Town or qualified expert shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
4. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the Town or qualified expert.

ENTERED this 17th day of September, 2020.

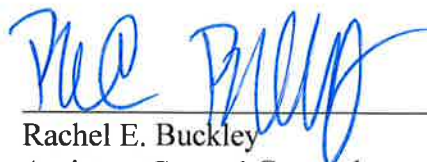


BETSY KNOTTS, Chair
Water and Wastewater Financing Board

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing has been served via certified mail return receipt requested to the following on this 18th day of September, 2020:

Mayor Jon McFarland
Ms. Christy Belonio, City Recorder
Town of Trimble
P.O. Box 215
Trimble, TN 38259



Rachel E. Buckley
Assistant General Counsel



JASON E. MUMPOWER
Comptroller

Entity Referred: **Town of Vanleer**

Referral Reason: **Negative Change in Net Position**

Utility Type Referred: **Water**

Staff Summary:

The Town contracted with TAUD to complete the directives from the Board's December 2020 order. TAUD later requested an extension from April 1, 2021 to July 31, 2021 to complete the work. Staff granted the extension, but due to unforeseen staffing issues, TAUD still needs more time. Staff is without authority to grant another extension. Because the delay has not been caused by any noncompliance by the Town, Staff recommends that the Board provide a final extension for its directives to be met. Extending the deadline to December 3, 2021, will provide ample time for TAUD to finish the report and for the Town to begin implementing the resulting recommendations.

Staff Recommendation:

Order the following:

Paragraph 4 of the Board's September 18, 2020, order is amended to the following:

By December 3, 2021, the Town shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.

BEFORE THE TENNESSEE WATER AND WASTEWATER FINANCING BOARD

IN THE MATTER OF:

TOWN OF VANLEER

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**TENN. CODE ANN. § 68-221-1010
-FINANCIAL DISTRESS**

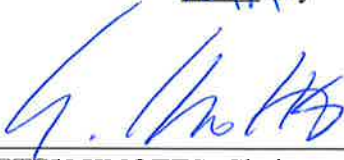
ORDER

On August 27, 2020, the Tennessee Water and Wastewater Financing Board (“the Board”) reviewed the financially distressed status of the Town of Vanleer (“the Town”) pursuant to Tenn. Code Ann. § 68-221-1010. Member Adams recused himself from the discussion and vote due to a conflict of interest. Board staff informed the Board that the Town raised its rates in 2019, but Staff is unable to determine whether those increases will sufficiently remedy the Town’s financial distress. Therefore, based on Staff’s statements and recommendations and all supporting documentation, the Board hereby orders the following:

1. The Town shall have the Tennessee Association Utility Districts, or another qualified expert as approved by Board staff, perform a rate study that includes the following:
 - a. a justification for the differing rates for customers outside the Town as opposed to those inside the Town, or if no justification is possible, a recommendation involving a singular rate for the two types of customers;
 - b. the creation of a five-year capital asset budget to be taken from the current capital asset list and to include future anticipated needs;
 - c. a determination of the cost of producing 1,000 gallons of water, and of treating 1,000 gallons of wastewater;

- d. a review of the new customer contract, to include recommended modifications if needed;
 - e. a review of the debt management policy, to include recommended modifications if needed;
 - f. a determination regarding whether a leak adjustment policy is necessary;
 - g. the creation of a capitalization policy; and
 - h. a review of tap fees, to include recommended modifications if needed.
2. By October 31, 2020, the Town or qualified expert shall send Board staff a copy of the contract between the Town and the qualified expert who is to perform the tasks in paragraph 1.
 3. By December 31, 2020, the Town or qualified expert shall send Board staff proof that all board members have complied with the training requirements set out in Tenn. Code Ann. § 7-34-115(j).
 4. By February 28, 2021, the Town or qualified expert shall provide Board staff with the completed rate study, and either proof of implementation of the resulting recommendations or a proposed plan of implementation.
 5. Board staff is given the authority to grant one extension of up to six months of the foregoing deadlines upon a showing of good cause by the Town or qualified expert.

ENTERED this 18th day of September, 2020.

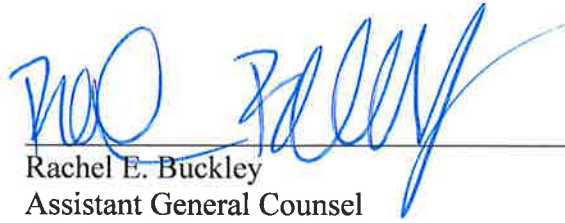


BETSY KNOTTS, Chair
Water and Wastewater Financing Board

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing has been served via U.S. mail to the following on this 10th day of September, 2020:

Mayor Jason Weaver
Mr. Michael Powell, Town Treasurer
Town of Vanleer
P.O. Box 97
Vanleer, TN 37181-0097



Rachel E. Buckley
Assistant General Counsel



JASON E. MUMPOWER
Comptroller

2022 WWFB Suggested Meeting Dates

March 24, 2022

August 18, 2022

November 17, 2022