



**Norris Water Commission**

**Monday, March 18, 2024, 6:00 P.M.**

- I. Call to Order
- II. Approve the Agenda
- III. Hear the Public
- IV. Minutes
  - M-1: Consideration of Approving February 21, 2024 Regular Meeting Minutes
- V. New Business
  - N-1: Discussion with Candace Vannasdale, a Representative from the Tennessee Board of Utility Regulation (TBOUR)
  - N-2: Cannon & Cannon Agreement
- VI. Old Business
  - O-1: Update on the Status of the Benny Carden Memorials
  - O-2: Update on Activities at the Water Treatment Plant
  - O-3: Update on Activities at the Wastewater Treatment Plant
  - O-4: Update on the Water Distribution System
  - O-5: Update on the Sanitary Sewer Collection System
  - O-6: Update on Cross Connection Management System
  - O-7: Update on the Galvanized Pipe Project
  - O-8: Update on the SB845 Tennessee Board of Utility Regulation
  - O-9: Update on the Wastewater Regionalization Study
  - O-10: Update on the Alternative Water Supply Study
  - O-11: Capital Equipment Updates
  - O-12: Tree Safety
- VII. Reports
  - R-1: Superintendent January Report
  - R-2: January Financial Report
  - R-3: January Unaccounted-for Water Report
- VIII. Adjournment



## NORRIS WATER COMMISSION MEETING MINUTES February 21, 2024

Members Present: Loretta Painter, Will Grinder, Bill Grieve, Chris Mitchell and Charles Nicholson  
Absent:

Secretary/Treasurer: Charles A. Ledford

Water Superintendent: Tony Wilkerson

- I. **Call to Order:** The meeting was called to order by Chuck Nicholson at 6:00 pm.
- II. **Approval of the Agenda** – Loretta Painter mentioned the lack of an agenda item related to tree risk associated with utility infrastructure. She presented her desire the issue be moved from the commission to the city council as a safety issue.
- III. **Hear the Public** – Dennis Day expressed he was in attendance to hear about the Benny Carden Memorial with further comments reserved for the agenda item.
- IV. **Minutes**
  1. **January 22, 2024 NWC Minutes**

A motion was made by Bill Grieve and seconded by Loretta Painter **to approve the January 22, 2024 meeting minutes** as presented.  
The proposal passing on a vote of 5 to 0 as follows:  
Yes: Will Grinder, Loretta Painter, Bill Grieve, Chris Mitchell, Chuck Nicholson
- V. **New Business**
  1. **Discussion with Candace Vannasdale, a Representative from the Tennessee Board of Utility Regulation (TBOUR)**

This discussion was postponed until the March meeting due to scheduling conflicts.
  2. **Capital Equipment and Project Planning Discussion**

City Manager Ledford and Superintendent Wilkerson reviewed the current capital plan and changes being planned for the next fiscal year.
- VI. **Old Business**
  1. **Benny Carden Memorial**

Superintendent Wilkerson notified the commission the planned second plaque is expected to be 16 inches wide and 24 inches long and made of bronze. The price was anticipated to be around \$2,500. The delivery expected to take up to 90 days. Dennis Day inquired about the financing for the memorial. The Superintendent responded that private donations were being used for purchasing while the City's support was focused on in-kind.
  2. **Activities at the Water Treatment Plant**

Superintendent Wilkerson reported the telemetry is being calibrated, but should be done by the next meeting.

3. **Activities at the Wastewater Treatment Plant**  
Superintendent Wilkerson reported tomorrow's meeting with Cannon and Cannon will serve to advance this project in tandem with all other projects.  
  
Concerns about advancing beyond CAP activities before the official grant of the regional study project were discussed.  
  
City Manager Ledford reported a draft of the previously requested letter to TDEC was under consideration and should be mailed in the next few days.
4. **Water Distribution**  
Superintendent Wilkerson and City Manager Ledford presented information within current Norris Code related to costs associated with customer fire suppression systems. Cost and fines for repairs could be charged, but there was nothing associated with water usage.  
  
Mayor Mitchell reported that, after speaking with other communities, he learned that the creation of a fee for fire suppression service was not unusual.
5. **Sanitary Sewer Collection System**  
Superintendent Wilkerson reported on a repair at Pine Road. He pointed out this was within one of the main repair areas identified for the major project.
6. **Cross Connection Management System**  
Superintendent Wilkerson shared that he is having a second employee certified for management of this segment of operations.
7. **Galvanized Pipe Project**  
Superintendent Wilkerson reported that efforts related to this project had been paused while we await a response from the grant application and attendant upcoming training.
8. **SB845 New TN Board of Utility Regulation**  
No comments of action taken on this topic.
9. **Wastewater Regionalization Study**  
Mayor Mitchell reported that the state has yet to send out documents.
10. **Alternative Water Supply Study**  
No comments of action taken on this topic.
11. **Trees**  
As a result of the decision to move this to the next council meeting no further comments or action taken on this topic.
12. **New Security Fencing**  
Superintendent Wilkerson reported he is still fielding estimates for this project. Prompted by questions from Loretta Painter, the Superintendent informed the commission that he had not yet starting fielding pricing for potentially including cameras at the location.

## VII. Reports

1. **Superintendent Report:** The report is herein attached as part of these minutes. Superintendent Wilkerson further reported that both plants had replaced their chlorine injection systems. The old units were obsolete and parts had become a problem to find.
2. **December Financial Report:** The report is herein attached as part of these minutes.

3. **December Unaccounted-for Water Report:** The report is herein attached as part of these minutes.
4. **Bad Debts:** Mayor Mitchell asked about bad debts and the details and timeline for consideration.

VIII. **Adjournment: 7:04 p.m.**, Motion by Bill Grieve and seconded by Loretta Painter to adjourn, All:  
AYE



March 13, 2024

The Honorable Chris Mitchell  
Mayor, City of Norris, TN  
P.O. Box 1090  
20 Chestnut Drive  
Norris, TN 37828

RE: City of Norris, ACWA, and CUB Wastewater Regionalization – ARP Competitive Grant  
Phase I – Regional Wastewater Master Plan  
Proposal for Engineering Services

Mayor Mitchell,

Cannon & Cannon, Inc. (CCI) appreciates the opportunity to prepare this proposal to provide professional engineering services to the City of Norris for design of the Norris, Anderson County Water Authority (ACWA), and Clinton Utilities Board (CUB) Sewer Regionalization Project, as funded by the federal American Rescue Plan Act (ARPA). This project represents a partnership between the three entities to improve wastewater availability, conveyance reliability, and treatment capacity between the three wastewater systems for the benefit of Anderson County's residents. In accordance with project requirements, the following is a summary of our proposed scope of work, fee structure, and project schedule.

We look forward to working with you on this project. Please do not hesitate to contact us with any questions or if you require additional information.

Sincerely,

A handwritten signature in blue ink, appearing to read 'H. E. Daugherty', is written over a faint circular stamp.

Houston E. Daugherty, P.E.  
Chief Executive Officer



## AUTHORIZATION TO PROCEED:

By: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name and Title: \_\_\_\_\_

- Attachments:
- CCI Standard Terms and Conditions (ARPA Funding)
  - State of Tennessee Byrd Anti-Lobbying Amendment Certification
  - State of Tennessee Certification Regarding Debarment, Suspension and Other Responsibility Matters
  - State of Tennessee Iran Divestment Act Certification
  - State of Tennessee Non-Boycott of Israel Certification



## PROJECT UNDERSTANDING

As part of a previous ARP projects, Anderson County chose to use a portion of its non-competitive ARPA funds to complete a utility survey and comprehensive map in order to better understand the existing limits/bottlenecks of the utility systems and determine areas where infrastructure improvements/growth could be targeted. All communities except for Oak Ridge participated in this effort. The results of the survey showed that sewer service is readily available within the incorporated areas but does not exist in most of the surrounding, unincorporated areas of Anderson County.

One area where sewer infrastructure is noticeably lacking is in the eastern part of the county. Currently, ACWA provides sewer service to Andersonville. However, to the northeast of Andersonville, along Andersonville Highway (SR-61), no public sanitary sewer service exists, despite readily available land and nearby access to Norris Lake. Adjacent to Andersonville to the west, the City of Norris (CLIENT) provides sewer service within its City limits, but Norris currently does not accept any sewer from adjacent communities.

As such, ACWA currently sends the majority of its sewer flows to CUB's Wastewater Treatment Plant (WWTP) via more than seventeen miles of 8-inch force main sewer, including several transfer pumping stations. Given this background, the regionalization project looks to provide the eastern Anderson County region, through efforts by Norris, CUB, and ACWA, with a plan to ensure their wastewater systems complement each other and provide the necessary infrastructure for responsible growth well into the future.

The City of Norris (CLIENT) has requested professional engineering services from Cannon & Cannon, Inc. (CCI or CONSULTANT) for the planning and design of various wastewater system improvements as outlined in the ARPA grant application. Considering the extensive nature of the long-term planning and design scope of work for this project, this agreement will provide the initial phase of planning level study evaluation and recommendations for subsequent detailed design phases. As such, the evaluation of initial planning study improvements includes:

1. Analyzing the option of re-routing a portion of ACWA wastewater flows to Norris' plant for treatment instead of to CUB. A portion of ACWA flows that currently are treated by CUB's plant would be removed, providing additional capacity at the CUB plant in the interim. Norris plant capacity would be analyzed to ensure all flows could be treated; and
2. Analyzing the option of abandoning the Norris treatment plant and re-routing all of Norris' wastewater flows to CUB through ACWA's system. Existing ACWA infrastructure would be analyzed and upgrades required to convey the flows would be identified; and
3. Analyzing the option of abandoning the Norris treatment plant and re-routing all of Norris' wastewater flows directly to CUB via force main bypassing ACWA's system completely; and



4. Analyzing the option of building a central “Regional Wastewater Treatment Facility” that collects and treats wastewater from Norris, ACWA, and CUB for eastern Anderson County.

This proposal includes engineering services including development of a regional wastewater master plan report, limited survey, permitting, and project management. Survey services include limited topographical field survey of the Norris WWTP. No easements are anticipated to be needed for this project. CLIENT along with ACWA and CUB have secured a Regionalization Grant from TDEC that is funded by the federal American Rescue Plan Act (ARPA), to pay for the investigation, planning, and design of the proposed project.

Based on this project understanding, the following scope of services is proposed:

## SCOPE OF WORK

### A. TASK 1 – REGIONAL WASTEWATER MASTER PLAN

The CONSULTANT will prepare a regional wastewater master plan that encompasses the following:

- i. Review the application documentation that was submitted to TDEC for grant acceptance;
- ii. Develop an outline for a regional wastewater facility master plan to determine what system information may be required from CLIENT and ACWA and CUB. The scope of work to be included in the master plan by the CONSULTANT includes:
  - Expanding the Norris WWTP and re-routing some or all of ACWA wastewater flows to Norris’ plant for treatment;
  - Abandoning the Norris WWTP and re-routing all of Norris’ wastewater flows to CUB through ACWA’s system;
  - Abandoning the Norris WWTP and re-routing all of Norris’ wastewater flows directly to CUB via new force main, bypassing ACWA’s system completely;
  - Building a central “Regional Wastewater Treatment Facility” that collects and treats wastewater from Norris, ACWA, and CUB for eastern Anderson County.
- iii. Coordinate with CLIENT and ACWA and CUB personnel for information required to complete the master plan report;
- iv. Conduct master plan report kickoff meeting with CLIENT to discuss and confirm objectives;
- v. Perform site visits of the CLIENT’s wastewater treatment plant, CUB wastewater treatment plant, and ACWA lift stations (3 maximum) within the northeast service area;
- vi. Collect and review data logger or similar data output of the 3 existing ACWA lift stations within the study area to evaluate pump run times and calculate approximate flow rates;
- vii. Review 3-years of Monthly Operating Reports (MORs) for the CLIENT’s wastewater treatment plant as well as CUB’s wastewater treatment plant;





- viii. Perform population projections to forecast anticipated population growth for northeast Anderson County. This includes currently unsewered areas to the east of Andersonville out to Norris Lake. Data from economic development institutes, as well as an analysis of developable land, will be reviewed to make recommendations on potential build-out, should wastewater service be extended;
- ix. Determine future wastewater flow projections for a 20-yr planning period within the northeast Anderson County study area. Per capita flow projections will be based on estimated wastewater flows as established by TDEC and utility industry standards;
- x. CONSULTANT will install up to two (2) temporary flow monitors at critical locations along the ACWA sewer system to capture and evaluate wastewater flows. This monitoring period is limited to 3 weeks or less. This data will be used for desktop analysis and, as such, no detailed hydraulic modeling will be performed;
- xi. Perform desktop analysis of existing gravity trunk sewer hydraulic capacities of ACWA trunk sewer starting at Andersonville along Highway 61 to the existing CUB lift station located on Buffalo Rd for a distance of approximately 10,000 LF and 40 manholes. This analysis includes excel based calculations and assumes all pipe inverts are accurate as contained within previously acquired GIS information used as part of the comprehensive Anderson County Utility Map. No hydraulic modeling or modeling software will be performed;
- xii. Perform pump station hydraulic evaluation of the existing ACWA Buffalo Road pump station, including analysis of 17 miles of existing force main connecting the station to the CUB wastewater treatment plant. Evaluation includes determining existing pump capacity and hydraulic capacity of the force main and potential for expandability. No detailed inspection or structural evaluation of the station will be performed;
- xiii. Perform hydraulic calculations for sizing a central lift station and forcemain at the existing Norris wastewater treatment plant to divert all Norris wastewater flows (raw sewage) to ACWA and CUB. This evaluation includes abandonment of the existing Norris wastewater plant. No detailed evaluation of the CUB wastewater treatment plant will be performed. This task is assumed to be performed by others;
- xiv. Once flow projections are finalized, CONSULTANT will review and update information as previously developed under the Norris WWTP Facility Plan (separate project) to account for additional flows under the regionalization alternative in which a portion of ACWA service area wastewater flows generally between Highway 441 thru Andersonville would be diverted to the Norris WWTP;
- xv. Updates to the Norris WWTP Facility Plan include evaluation and re-sizing of:
  - Equalization Tank and Storage;
  - Headworks;
  - New Biological Process Basin(s);
  - Digester Improvements;



- Dewatering Improvements;
- Disinfection Improvements;
- Outfall Pipe\*;
- Other miscellaneous improvements\*.

Note\* - Evaluation of process improvements and/or expansion at the Norris WWTP will be based on existing NPDES permit limits at POD at Buffalo Creek. No evaluation of tertiary treatment, filtration or chemical addition will be performed. No evaluation of new discharge limits or location will be performed. This can be provided as additional services should this alternative be selected by the CLIENT for further evaluation as part of WLA study efforts;

- xvi. Perform hydraulic calculations for sizing a central lift station and forcemain at the confluence of Highway 441 and Andersonville Highway to divert a portion of ACWA wastewater flows to the Norris WWTP;
- xvii. Evaluate site selection (up to 3 sites) for locating a new “Regional Wastewater Treatment Plant” which will collect and treat 100% of the flows from Norris, and a portion of flows from ACWA, and CUB generally confined to the corner of northeast Anderson County. The anticipated service area will be along I-75 and Anderson Highway. A new regional service area of approximately 15,000 acres (to be confirmed) is assumed for this study. Additional tasks associated with this alternative includes:
  - Determine projected wastewater flows within the regional service area;
  - Determine pump station and pipe routing for both influent lines to the new regional plant as well as effluent outfall lines to the new discharge location;
  - Perform desktop analysis of both hydraulic and biological processes needed for the regional plant to understand needed footprint;
  - Determine approximate shared costs and revenue generation of operating the new regional plant for Norris, ACWA, and CUB;
- xviii. Develop 15% concept schematic design of the proposed improvements for each alternative, including approximate location and capacities to be incorporated into report as exhibits;
- xix. Develop a master plan report in accordance with TDEC’s report requirements for ARPA funded projects. The master plan report outline will follow the Interagency Preliminary Engineering Memorandum template format;
- xx. CONSULTANT will also develop an opinion of probable construction cost (OPCC) for each alternative. CONSULTANT’S OPCC shall be based on concept preliminary design (AACE Class 4: Contingency of -10% to +30%);
- xxi. Calculate operation and maintenance costs (O&M) for each alternative to determine life cycle cost and present worth evaluation;
- xxii. Develop schedules for implementation of each alternative for planning and budget forecasting;
- xxiii. Submit the draft master plan report to CLIENT for review and comment;



- xxiv. Attend a meeting with CLIENT to review comments;
- xxv. Chair and present draft findings of the master plan to joint meeting between Norris, ACWA, Clinton and Anderson County;
- xxvi. Solicit input from all parties and incorporate comments into master plan report;
- xxvii. Revise and submit the revised master plan report to the CLIENT for final comments;
- xxviii. Submit the final master plan report to TDEC for review and acceptance; and
- xxix. Finalize the master plan report for subsequent design phases.

## **B. TASK 2 – LIMITED SURVEY**

CONSULTANT will provide limited topographical survey of the Norris WWTP site in order to verify available land area for potential expansion and improvements. This task will include the following:

- i. The property at the Norris WWTP is currently owned by CLIENT, and CONSULTANT has previously performed a boundary survey of the property. Field survey to support design of WWTP improvements will be necessary and include limited planimetric and topographic survey of the CLIENT's property and this new survey will update the data previously obtained as part of previous project. No boundary survey will be performed;
- ii. Planimetric and topographic survey area will be limited to approximately 4 acres generally covering the southeast corner of the existing property where proposed expansion would likely occur;
- iii. CONSULTANT will contact TDOT regarding existing right-of-way along state highway 441 to acquire drawings and/or mapping for evaluation;
- iv. CONSULTANT will contact TN One-Call so existing utilities are located and marked prior to field survey. CLIENT is responsible for marking their known utilities within the area to be surveyed;
- v. Planimetric and topographical survey will include features along the existing surface of the plant site. No measure downs within existing process basins or survey of hydraulic grade lines will be performed, however, it is anticipated these measurements will be performed as part of later tasks associated with detailed design of these improvements should this alternative be selected by the CLIENT. This effort would be considered additional services.

## **C. TASK 3 – GENERAL TDEC PERMIT COORDINATION**

CONSULTANT will provide general permit coordination with TDEC for basic inquires of permitting requirements for all alternatives considered as part of regional master plan report including:

- i. Coordinate and perform basic communication with TDEC regarding permitting efforts and requirements. Communication is limited to general email and phone inquiries. Up to 2 virtual meetings and 1 in-person meeting is also anticipated for this task;
- ii. Determine anticipated permit requirements for new point of discharge (POD) at Buffalo Creek (current POD), Clinch River, and Norris Lake, to understand impacts to treatment



requirements for the Norris wastewater treatment plant. Solicit feedback from TDEC regarding waste load allocation study (WLA) requirements and whether desktop analysis is acceptable or if more detailed model verification and calibration will be required. No WLA study will be performed as part of this initial effort, but can be provided as part of future tasks and phases;

- iii. Coordinate and address comments received from agencies with CLIENT as part of master plan report review and revise as necessary.

#### D. **TASK 4 – PROJECT MANAGEMENT AND ARPA COORDINATION**

The CONSULTANT understands coordination with the grant funding administrator (Community Development Partners, LLC.) will be required throughout the initial phase of the project to ensure the project is meeting ARPA requirements. In addition, coordination with TDEC as part of this initial phase of the project will also be required. As such, the CONSULTANT will provide general project management duties in relation to grant funding requirements for this phase as outlined below:

- i. Initiate project setup and project management software including billing and invoice structure, resource planning and scheduling, and project file structure;
- ii. Perform necessary coordination with the grant administrator including contract setup, monthly reporting and invoicing;
- iii. Coordinate with TDEC as required for project approval including necessary revisions and acceptance of master plan report.

## **INFORMATION PROVIDED BY CLIENT**

CLIENT will do the following at CLIENT's expense and in a timely manner, so as to permit CONSULTANT's services to proceed expeditiously:

- Provide criteria and information as to CLIENT's requirements, including design objectives, space, capacity and performance requirements, expandability, and any budgetary limitations.
- Provide record drawings, GIS data, and locate and mark on ground existing buried water and sanitary sewer utilities at the Norris WWTP.
- Furnish to CONSULTANT data and professional interpretations prepared by, or services of others, including borings, probing and subsurface explorations, hydrographic surveys, laboratory tests and inspections of samples, materials and equipment; environmental assessment and impact statements;



property descriptions, boundary, easement, right-of-way, topographic and utility surveys; and geographic boundaries of wetlands and zoning, deed and other land use restrictions.

## **ADDITIONAL SERVICES**

If authorized in writing by CLIENT, CONSULTANT will furnish or obtain from others Additional Services of the following types which are not included as part of the Basic Services and will be paid for by CLIENT separate of this Work Authorization. The following services along with any services not included in this proposal may require an amended budget:

1. Preparation of applications and supporting documents for grants, loans, or advances in connection with the Project other than those stated herein.
2. Preparation or review of environmental assessments and impact statements including, but not limited to: wetland delineations, archeological surveys, habitat assessments, or similar studies.
3. Preparation or submission of permit or approval applications not specifically referenced herein.
4. Services to make measured drawings of or to investigate existing conditions or facilities other than those stated herein.
5. Services resulting from significant changes in the general scope, extent or character of the Project or its design including, but not limited to, changes in size, complexity, CLIENT's schedule, character of construction or method of financing.
6. Providing models for CLIENT's use.
7. Services during out-of-town travel required of CONSULTANT other than visits to the site or CLIENT's office as required by Section 2.
8. Preparing to serve or serving as a consultant or witness for CLIENT in any litigation, arbitration or other legal or administrative proceeding involving the Project.
9. Services in connection with Work Directive Changes and Change Orders to reflect changes requested by CLIENT if the resulting change in compensation for Basic Services is not commensurate with the Additional Services rendered.
10. Services related to the acquisition of property or the preparation of permanent and temporary easement exhibits except for those described herein.
11. Evaluation or design of improvements to the Clinton Utilities Board wastewater treatment plant.
12. Hydraulic Sewer Modeling using Info Sewer or similar software.
13. Flow monitoring other than what is specified under the Scope of Work.
14. Boundary survey.
15. Planimetric or topographic survey other than what is described under the Scope of Work.
16. Easement negotiation and acquisition.
17. Waste Load Allocation (WLA) study.
18. Detailed design, bidding, or construction phase services.



## PROJECT SCHEDULE

Understanding that schedule is of the essence, both parties understand and agree that full and final approval of this contract is contingent upon associated grant funding allocation being fully executed to the City of Norris by the funding agency. At the time of final funding allocation, this contract becomes fully approved.

Both parties further understand and agree that the CONSULTANT will begin work at risk during time-period between the date of this contract and full execution of grant funding to the CLIENT or for a period of 30-days, whichever comes first. If for any reason the grant funding is not executed, both parties agree to stop work immediately or at 30-days from date of this contract, whichever comes first.

CONSULTANT will proceed with providing services set forth in Section 2 immediately upon receiving written notice to proceed (NTP). Table 1 presents a schedule of calendar days for the submission of deliverables once written authorization is received to begin each phase of the Project:

Table 1 – Schedule of Calendar Days

<b>Project Task</b>	<b>Duration to Complete</b>
Task 1 - Regional Wastewater Master Plan	<ul style="list-style-type: none"> <li>- Submit draft PER to CLIENT for review within 150 calendar days of NTP.</li> <li>- Submit stamped PER to TDEC for review and acceptance with 30 calendar days of receiving CLIENT comments.</li> <li>- TDEC approval estimated to be received approximately 60 calendar days from submittal.</li> </ul>
Task 2 - Limited Survey	<ul style="list-style-type: none"> <li>- Performed simultaneous to Task 1.</li> <li>- Actual survey time is anticipated to be completed within 45 days of NTP.</li> </ul>
Task 3 - General TDEC Permit Coordination	<ul style="list-style-type: none"> <li>- Performed simultaneous to Task 1.</li> <li>- Permitting coordination is anticipated to be completed within 210 days of NTP, depending on TDEC response time.</li> </ul>
Task 4 - Project Management and ARPA Coordination	<ul style="list-style-type: none"> <li>- Performed simultaneous to Task 1.</li> <li>- ARPA coordination is anticipated to be completed within 210 days of NTP, depending on TDEC response time.</li> </ul>

All CLIENT review periods are assumed to be 15 calendar days. It is estimated that all services under this Work Authorization will be completed within approximately 210 calendar days of the NTP.



## FEE STRUCTURE

CCI will invoice Tasks No. 1, 2, 3 and 4 with monthly invoices to be issued in accordance with monthly estimates of the percent completion of the project. The total lump sum fee for these tasks is \$267,000.

## SCHEDULE OF FEES

Task 1 – Regional Wastewater Master Plan Report	\$225,000
Task 2 – Limited Survey	\$8,000
Task 3 – General TDEC Permitting Coordination	\$14,000
Task 4 - Project Management and ARPA Coordination	\$20,000

Additional services that may become necessary beyond the project scope of work will be invoiced on an hourly basis at the then-current CCI standard hourly rates. In the unforeseen event the scope of work significantly changes requiring an amended budget, a revised proposal will be submitted for your approval prior to proceeding.

CCI will start work immediately upon authorization to proceed.

Reference is made to the attached CCI Standard Terms and Conditions to be included as part of this proposal as well as other ARPA attachments.

## **STANDARD TERMS AND CONDITIONS**

**PROJECT:** Norris, ACWA, and CUB Wastewater Regionalization  
ARPA Competitive Grant

**CLIENT:** Mr. Chris Mitchell, Mayor  
City of Norris  
PO Box 1090  
Norris, TN 37828

### **1. ACCESS TO THE SITE / JOBSITE SAFETY:**

Unless otherwise stated, CANNON & CANNON, INCORPORATED, hereinafter referred to as the CONSULTANT will have access to the site for activities necessary for the performance of the services. The CONSULTANT will take precautions to minimize damage resulting from these activities, but has not included in the project fee the cost of restoration of any damage.

The CLIENT understands that the CONSULTANT has not been retained and is not responsible, in any way, for the means, methods, sequence, procedures, techniques, scheduling of construction related activities, nor jobsite safety. The CONSULTANT will not be responsible for any losses or injuries that occur at the Project site.

### **2. INDEMNIFICATIONS:**

If any claim is brought against either the CLIENT or the CONSULTANT by any third party, relating in whole or in part to the negligence of the CLIENT or the CONSULTANT, each party shall indemnify the other against any loss or judgment, including attorneys' fees and costs, to the extent that such loss or expense is caused by the party's negligence.

The CONSULTANT is not obligated to indemnify the CLIENT in any manner whatsoever for the CLIENT'S own negligence.

### **3. INSURANCE:**

The CONSULTANT shall secure and endeavor to maintain such insurance as will protect the CONSULTANT from claims of negligence, bodily injury, death, or property damage which may arise from the performance of services under this Agreement.

### **4. RISK ALLOCATION / LIMITATION OF LIABILITY:**

In recognition of the relative risks, rewards and benefits of the project to both the CLIENT and the CONSULTANT, the risks have been allocated such that the CLIENT agrees that, to the fullest extent permitted by law, the CONSULTANT'S total liability to the CLIENT for any and all injuries, claims, losses, expenses, damages, or claim expenses arising out of this agreement from cause or causes, shall not exceed the amount of the CONSULTANT'S fee or Twenty-Five Thousand (\$25,000) dollars, whichever is greater. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

### **5. OWNERSHIP AND REUSE OF DOCUMENTS:**

All drawings, specifications (i.e., the Contract Documents) and other work products of the CONSULTANT pursuant to this Agreement shall remain property of the CONSULTANT and are instruments of service in respect to the Project only. They are not intended or represented to be suitable for reuse by the CLIENT or others on extensions of the Project or on any other project. Any reuse without written verification or adaptation



by the CONSULTANT for the specific purpose intended will be at the CLIENT'S sole risk and without liability or legal exposure to the CONSULTANT; and the CLIENT shall indemnify and hold harmless the CONSULTANT from all claims, damages, losses and expenses including attorneys' fees arising out of or resulting therefrom. Any such verification or adaptation will entitle the CONSULTANT to further compensation.

**6. OPINIONS OF CONSTRUCTION COST:**

Any opinion of probable construction cost prepared by the CONSULTANT represents the CONSULTANT'S judgment as design professionals and is supplied for general guidance of the CLIENT. Since the CONSULTANT has no control over the construction marketplace, the CONSULTANT does not guarantee the accuracy of such opinions as compared to contractor bids or actual cost to the CLIENT.

**7. DESIGN WITHOUT CONSTRUCTION PHASE SERVICES:**

Where it is understood and agreed to that said Agreement does not include project observation or the review of the Contractor's performance or any construction phase services, the CLIENT shall be responsible at their sole discretion for such services. Further, the CLIENT assumes all responsibility for interpretation of the Contract Documents and for construction observation and/or supervision and waives any claims against the CONSULTANT that may be in any way connected thereto.

In addition, the CLIENT agrees, to the fullest extent permitted by law, to indemnify and hold the CONSULTANT harmless from any loss, claim or cost, including reasonable attorney's fees and costs of defense, arising or resulting from the performance of such services by other persons or entities and from any and all claims arising from modifications, clarifications, interpretations, adjustments or changes made to the Contract documents to reflect changed field or other conditions, except for claims arising from the sole negligence or willful misconduct of the CONSULTANT.

If the CLIENT requests in writing that the CONSULTANT provide any specific construction phase services and if the CONSULTANT agrees in writing to provide such services, then the CONSULTANT shall be compensated for these services as provided for in the Agreement.

**8. OTHER CONDITIONS:**

Not Applicable

**9. ACCESS TO RECORDS:**

The CONSULTANT agrees to provide the CLIENT, and any other funding agencies that have provided funds for the project such as State or Federal Agencies access to any books, documents, papers, and records of the CONSULTANT which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts, or transcriptions. The CONSULTANT also agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

**10. COMPLIANCE WITH FEDERAL LAW, REGULATIONS AND EXECUTIVE ORDERS:**

This is acknowledgement that the Treasury ARP (American Rescue Plan) SLFRF (State and Local Fiscal Recovery Funds) financial assistance will be used to fund all or a portion of this contract. The CONSULTANT will comply with all applicable Federal law, regulations, executive orders, Treasury policies, procedures, and directives.

**11. TERMINATION:**

The obligation to provide further services under this Agreement may be terminated without cause by either party upon seven (7) days written notice. On termination by either the CLIENT or the CONSULTANT, the CLIENT shall pay the CONSULTANT with respect to any services performed to the date of termination (including all reimbursable expenses incurred).

**12. DISPUTES RESOLUTION:**

It is agreed by both parties that all violations or breaches of contract, unsettled claims, counterclaims, disputes or other matters in question arising out of or related to this Agreement shall first be attempted to be resolved by mediation. This provision can be waived by the mutual consent of the parties or by either party if its rights would be irrevocably prejudiced by a delay in initiating arbitration or the right to file a lawsuit.

**13. GOVERNING LAW:**

Unless otherwise specified within this Agreement, this Agreement shall be governed by the Law of the State of Tennessee.

END OF TERMS AND CONDITIONS



## STATE OF TENNESSEE

### BYRD ANTI-LOBBYING AMENDMENT CERTIFICATION

Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an employee of a Member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352.

Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient who in turn will forward the certification(s) to the awarding agency.

#### **APPENDIX A, 44 C.F.R. PART 18 – CERTIFICATION REGARDING LOBBYING – REQUIRED FOR CONTRACTS OVER \$100,000** *Certification for Contracts, Grants, Loans, and Cooperative Agreements*

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

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 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.

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.

The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, 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. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. Chap. 38, Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any.

	06/22/2023
<b>Signature of Authorized Representative</b>	<b>Date</b>
Timothy F. Tucker, P.E. / COO	(865) 670-8555 / ttucker@cannon-cannon.com
<b>Printed Name and Title</b>	<b>Phone Number / Email Address</b>



**STATE OF TENNESSEE**  
**CERTIFICATION REGARDING DEBARMENT, SUSPENSION**  
**AND OTHER RESPONSIBILITY MATTERS**

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

- Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- Have not within a three-year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

	06/22/2023
<b>Signature of Authorized Representative</b>	<b>Date</b>
Timothy F. Tucker, P.E. / COO	(865) 670-8555 / ttucker@cannon-cannon.com
<b>Printed Name</b>	<b>Phone Number / Email Address</b>

I am unable to certify to the above statements. Explanation is attached.



**STATE OF TENNESSEE  
IRAN DIVESTMENT ACT CERTIFICATION**

<b>SUBJECT CONTRACT NUMBER(S):</b>	
<b>CONTRACTOR LEGAL ENTITY NAME:</b>	Cannon & Cannon, Inc.
<b>EDISON SUPPLIER IDENTIFICATION NUMBER:</b>	0000093929

The Iran Divestment Act, Tenn. Code Ann. § 12-12-101 et. seq. requires a person that attempts to contract with the state, including a contract renewal or assumption, to certify at the time the bid is submitted or the contract is entered into, renewed, or assigned, that the person or the assignee is not identified on a list created pursuant to § 12-12-106.

Currently, the list is available online at the following website: <https://www.tn.gov/generalservices/procurement/central-procurement-office--cpo-/library-/public-information-library.html>

The Contractor, identified above, certifies by signature below that it is not included on the list of persons created pursuant to Tenn. Code Ann. § 12-12-106 of the Iran Divestment Act.

---

**CONTRACTOR SIGNATURE**

NOTICE: This certification MUST be signed by an individual with legal capacity to contractually bind the Contractor.

Timothy F. Tucker, P.E. / COO

---

**PRINTED NAME AND TITLE OF SIGNATORY**

06/22/2023

---

**DATE**




**STATE OF TENNESSEE**  
**NON-BOYCOTT OF ISRAEL CERTIFICATION**

The Bidder certifies that it is not currently engaged in, and will not for the duration of the contract engage in, a boycott of Israel as defined by Tenn. Code Ann. § 12-4-119. This provision shall not apply to contracts with a total value of less than two hundred fifty thousand dollars (\$250,000) or to contractors with less than ten (10) employees.

According to the law, a boycott of Israel means engaging in refusals to deal, terminating business activities, or other commercial actions that are intended to limit commercial relations with Israel, or companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel to do business, or persons or entities doing business in Israel, when such actions are taken:

- 1) In compliance with, or adherence to, calls for a boycott of Israel, or
- 2) In a manner that discriminates on the basis of nationality, national origin, religion, or other unreasonable basis, and is not based on a valid business reason. Tenn. Code Ann. § 12-4-119.

	06/22/2023
<b>Signature of Authorized Representative</b>	<b>Date</b>
Timothy F. Tucker, P.E. / COO	(865) 670-8555 / ttucker@cannon-cannon.com
<b>Printed Name</b>	<b>Phone Number / Email Address</b>



## V. Old Business:

**0-1: Benny Carden Memorial:** Supt. Wilkerson has been in contact with the supplier and has received the drawing and is in ordering process.

**0-2: WTP-Telemetry/Tank Project:** Supt. Wilkerson reports We are in process of calibrating parameters in closer. As for wireless On/Off of high service pumps, plan is to have it in place by end of month in Feb 2024 and weather permitting, NWC Team perform a TRIAL RUN.

**0-3: WWTP:** Update on the following Directors Order/ City Council Update, CCI up-date-Open for Discussion

**SEWER Rehab Projects:** *Supt Mr. Wilkerson and City Manager Leford meeting with Cannon & Cannon Engineers on discussion of projects and time line for progress with ARPA funds in the year 2024.*

### **Short Term STP Upgrades: (July 2024)**

2- recirculating pumps	\$5,000.00
1- Mobile building (to house equipment)	\$2,500.00
1- Electric install	\$2,500.00
1- Piping/Fittings	\$1,500.00
1- Baffle Wall-(RTE review/quote)	\$7,000.00-\$10,000.00 reviewed and discussed with Engineers and RTE and design has been reduced BUT still will work as per CAP Plan.

- ***(Letter of REQUEST to TDEC concerning SHORT-TERM Improvements) Update***

Also see #4 Supt Report pertaining to WWTP

**0-4: Distribution System:** See #7 in Supt Report

**0-5: Collection System:** See #9 Supt Report and

- NWC Staff visited 79 residents with Private identified Issues/NWC will need to re-smoke some areas identified
- Customer identified sites-Completed by customers- Response: \_16\_Qty-continuing to communicate with customers
- NWC is reviewing Public Identified issues-NWC side
- 127 Pine Road-8" Sewer Line Repair
- 114 Pine Road-sewer repair
- Sewer backup-After hours-during snow/cold event Sat. Night-XR/AR-72 Pine Road  
Supt Wilkerson reviewed area of stoppage on the City/NWC-Large tree in area creating issue-ROOTS-to dig and repair (**review tree ability to stand**) **Safety of employees**

**0-6: Cross Connection: (RPBP)**

- All completed except STP-blower room

**0-7: Galvanized Pipe replacement/Eliminate Projects**

- **NWC IS -IN PROGRESS**, Final inventory is required to be developed and submitted to TDEC no later than Oct. 16, 2024
- Visual Inspections are being conducted by NWC Team-It definitely will be time consuming and consist of manually hand digging/machine digging some service lines to identify (Sites 65 locations inspected -Up to Date) Oak Road/Ridgeway Road-Completed
- Qty in need of replacement at this time is undetermined. Researching process in progress.- LSLI \$250,000 Grant 80/20 has been submitted-Thank You CDP-Evans Sanders



and the Mayor Chris Mitchell for both of their involvement, and for getting the grant submitted by the deadline, January 16, 2024.

- ***Cannon & Cannon Engineers will be meeting with Supt Wilkerson and City Mgr. Ledford with updates concerning LSLI Grant Updates from EPA.***

**0-8: SB845 TN Board of Utility Regulation**

**0-9: Wastewater Regionalization Study-**( Grant awarded notification \$ 3.3 M with a match of \$177,000) Open for discussion

**0-10: Update Trees Near Fire Hydrants and Lines:** No new updates

**0-11: Reservoir Hill:-**Fence Quote-No New updates and weather permitting , move forward in March 2024.

**0-12: Capitol Equipment Discussion:** Mini – Excavator//Jet Machine **Thank You City Council for the approval of the Purchase of new Bobcat E48-R mini excavator. Thank the City, NWC and the Watershed Board for the TEAM effort of this purchase.** Supt. Wilkerson provided a purchase Order to Bobcat of Knoxville and paper work is being completed by the City staff, providing needed information to proceed and acquire the equipment. We are excited and hope to have soon.!!

**NEW BUSINESS:**

**Shoring Panels: ON ORDER-Core & Main**

**Safety Trailer: 6.5 x 16' trailer ON ORDER-Allstate Trailers**

**Trailer to Haul NEW mini excavator:** Supt Wilkerson and Public Works Dir. Hevel along with Staff are reviewing trailer options. (type, size etc..)

**Vehicle:** Supt Wilkerson is in process of reviewing options of a ¾ ton or 1 ton vehicle to replace the 2005 Chev 4x4 in the Water Department. This vehicle will be utilized to pull the safety trailer and daily use. Possibly a small landscape dump truck.

To: Norris Water Commission Board

From: Tony Wilkerson, Waterworks Superintendent

Date: February 21, 2024

RE: Superintendent Report

1. **Water Pumped MG/Sold/% loss**—See attached  
**Sold to ACWA: Alley 729,000- /Alley Road-362,700/Res. 1,200,600-** - each location
2. **Water Budget**-see financial report see attached in packet
3. **Rainfall** January -6.47\_” 7.19”-YTD Source ok presently-January 2024 rain/snows does help the source.

- **Operations Building:** clean as needed, reviewing lighting options in our Equipment Storage bldg. and ConX containers where pipe fittings etc.. are stored. And having excess to electric 110 outlets in the ConX.
- NWC Team prepared for January 2024 Snow/Cold Event  
Filled oil Heater with oil, extra visual inspections thru out system of meter box lids, extra insulation (for meter boxes), propane torches( frozen pipes) hand warmers for staff, and all PPE needed for these types of events.

*Additional Team member on call to assist and thru out entire weekend plant inspections, (driving conditions)*

- 4 . **WWTP-Non-Compliance-VIOLATIONS**—(3-times /1-9-24/2.14”  
1-24-24 melting snow/rain 6.5”  
1-27-24/2.21” In the month of January 2023-
- 5 -Reports-Monthly to TDEC-(3 monthly-12 hours)
  - a. Dailey Inspections (84 points to inspect) and Operations
    - i. Recorded Dailey on Log Book and Computer
    - ii. Dailey Testing performed
  - b. **WWTP-Training-** January 2024 Xan Ridenour in training at STP
  - c. **Press Sludge-** 2 times this month.
  - d. **Supernatant-** 0 times
  - e. **Pumped Aeration to Digester-** 3 times mth
  - Tons of sludge hauled-9.50
  - Rain:- 5.08” ” at STP not including 6.5” of snowfall

- Ferm Zone-Dailey mixing/logging
- Fill PT-190 /Bleach Barrel (chemical barrels-TP and filamentous protection) Twice
- Drum Assembly-REPLACED solenoid valve
- Xan Ridenour-training at the STP

#### 5. WTP-Water Plant:

- a. -Reports-Monthly-to TDEC completed (5 monthly-12 hrs)
- b. -Dailey Inspections conducted (7 days a week) morning-evening inspection (52 points of inspection each time entered the plant)
- c. Dailey Testing conducted morning /evening
  - i. Record Dailey on Log Book and Computer
- d. – Samples- Bacteriological ,Lagoon and quarterly Samples collected
- e. -Backwashed Filters- 5 this month-Requires 6 hours each BW. (coating)
  - i. -Adam Roberson-is training in the operations of the WTP/Distribution System
- f. Propane-ordered filled container-January 2024
- g. Water Samples Collected: Backwash aluminum and fluoride quarterly
- h. *Chlorine Room*: replaced  $\frac{3}{4}$ " discharge line leaking-replaced 110 outlets -(wire malfunction) -replaced chlorine cylinder-Repaired Heater @ ceiling  
*Chlorinator head assembly*-worked on (Ordered two NEW head assemblies to replace existing set up) Current ones are Enchlor and parts are an issue and malfunctions frequently. The Team has kept
- i. Painting-started painting feed lines within plant and Labeling them

#### 6. Distribution System:

- a. -Read Meters/Rereads-4 day
- b.-Bact Samples-Collected 2-regular
- c.-Spring – checked 4 times this month
- d. -Service Calls- for the month of January 2024 44 Qty
- e. Water Valves Inspection-XR/AR-identifying and inspecting (Starting)
- f. 85 Dale Road-replaced yoke valve
- g. 19 Chestnut Drive-checked -line froze  
Snow/Cold Event Related in January 2024
- h. (Call after hours)Covenant Life Church-alarm-busted water pipes  
Communication Process via phone- with Police Officer Gabe Hackler and Fire Fighter Tyler Keck-Supt Wilkerson appreciates and compliments the action response of these two Team Members
- i. (Call/ Supt responded after hours)Archers Building- water line busted
- j. East Norris Road-leak at facility-NWC responded
- k. Norris Middle School-leak at facility-NWC responded
- l. NWC Team (Supt and 3 Operators)-Leak Detection-OT-Sunday-4 hours before rain event/melting snow

Distribution continued

m. Meter Pits: ACWA (Reservoir Road, Alley Rd x2), TVA and NDSP-READ DAILY

**7. Flushing Program:** NWC Team flushed -Orchard Road, Oak Road-Pine Road

**8. Sewer Collection System:**

- Sewer stoppages-

-127 Pine Road-72 Pine Road: Resolved

Sewer Lift Stations x2- Hickory Trail-checked daily

**Water Works Fund Balance Report**

		2019-20	2020-21	2021-22	2022-23	2023-24	2023-24	2023-24	2023-24	2023-24	2023-24	2023-24	2023-24	2023-24	2023-24	
		ADJ Totals	ADJ Totals	ADJ Actual	ADJ Actual	Budget	Jul Actual	Aug Actual	Sep Actual	Oct Actual	Nov Actual	Dec Actual	Jan Actual	Feb Actual	Actual	
<b>Revenues</b>																
	<i>Water Billing</i>	\$ 455,106	\$ 507,434	\$ 484,052	\$ 521,523	\$ 529,000	\$ 47,818	\$ 47,769	\$ 50,094	\$ 48,348	\$ 48,391	\$ 44,906	\$ 44,905	\$ 47,256	\$ 379,487	71.7%
	<i>Sewer Billing</i>	\$ 420,373	\$ 418,523	\$ 425,397	\$ 493,633	\$ 510,700	\$ 42,896	\$ 42,896	\$ 47,428	\$ 43,532	\$ 43,714	\$ 43,180	\$ 43,179	\$ 43,779	\$ 350,604	68.7%
	<i>Water Works Charges</i>	\$ 46,446	\$ 43,576	\$ 53,837	\$ 22,569	\$ 886,643	\$ 6,162	\$ 744	\$ 1,926	\$ 6,823	\$ 4,755	\$ 3,000	\$ 7,839	\$ 5,781	\$ 37,030	4.2%
	<i>Interest Income</i>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Total Revenues</b>		\$ 921,925	\$ 969,533	\$ 963,286	\$ 1,037,725	\$ 1,926,343	\$ 96,876	\$ 91,409	\$ 99,448	\$ 98,703	\$ 96,860	\$ 91,086	\$ 95,923	\$ 96,816	\$ 767,121	39.8%
<b>Expenses</b>																
	<i>Admin &amp; General</i>	\$ 254,371	\$ 245,123	\$ 186,711	\$ 276,417	\$ 340,645	\$ 24,468	\$ 24,948	\$ 26,691	\$ 61,765	\$ 23,415	\$ 20,229	\$ 32,036	\$ 23,905	\$ 237,457	69.7%
	<i>Customer Billing</i>	\$ 13,996	\$ 11,335	\$ 12,849	\$ 16,453	\$ 23,000	\$ 14,765	\$ 2,383	\$ -	\$ -	\$ 1,821	\$ 2,116	\$ 76	\$ -	\$ 21,161	92.0%
	<i>Wastewater Treatment &amp; Dispo</i>	\$ 172,800	\$ 175,163	\$ 154,499	\$ 196,258	\$ 213,928	\$ 18,587	\$ 31,386	\$ 28,540	\$ 19,620	\$ 14,941	\$ 20,882	\$ 21,926	\$ 14,863	\$ 170,745	79.8%
	<i>Wastewater Collection</i>	\$ 29,325	\$ 34,139	\$ 177,102	\$ 50,248	\$ 886,962	\$ 1,001	\$ 22,999	\$ 4,423	\$ 7,479	\$ 3,502	\$ 22,363	\$ 15,919	\$ 20,520	\$ 98,206	11.1%
	<i>Water Transmission &amp; Dist</i>	\$ 61,579	\$ 95,431	\$ 108,268	\$ 59,283	\$ 184,037	\$ 2,921	\$ 5,379	\$ 12,812	\$ 30,662	\$ 9,409	\$ 12,290	\$ 10,652	\$ 6,882	\$ 91,007	49.5%
	<i>Water Purification</i>	\$ 111,894	\$ 108,789	\$ 122,416	\$ 213,445	\$ 302,532	\$ 17,325	\$ 25,516	\$ 13,526	\$ 13,356	\$ 23,397	\$ 21,810	\$ 18,826	\$ 16,269	\$ 150,025	49.6%
<b>Total Expenses</b>		\$ 643,965	\$ 669,980	\$ 761,845	\$ 812,104	\$ 1,951,104	\$ 79,067	\$ 112,611	\$ 85,992	\$ 132,882	\$ 76,485	\$ 99,690	\$ 99,435	\$ 82,439	\$ 768,601	39.4%
<b>Balance</b>		\$ 277,960	\$ 299,553	\$ 201,441	\$ 225,621	\$ (24,761)	\$ 17,809	\$ (21,202)	\$ 13,456	\$ (34,179)	\$ 20,375	\$ (8,604)	\$ (3,512)	\$ 14,377	\$ (1,480)	
<b>Depreciation</b>		\$ 98,000	\$ 104,004	\$ 107,316	\$ 32,374	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Operating Available Flow</b>		\$ 179,960	\$ 195,549	\$ 94,125	\$ 193,247	\$ (124,761)	\$ 17,809	\$ (21,202)	\$ 13,456	\$ (34,179)	\$ 20,375	\$ (8,604)	\$ (3,512)	\$ 14,377	\$ (1,480)	
<b>Beginning Fund Balance</b>		\$ 728,258	\$ 908,218	\$ 1,103,767	\$ 1,197,892	\$ 1,391,139	\$ 1,391,139	\$ 1,408,948	\$ 1,387,746	\$ 1,401,202	\$ 1,367,023	\$ 1,387,398	\$ 1,378,794	\$ 1,375,282	\$ 1,391,139	
<b>Ending Fund Balance</b>		\$ 908,218	\$ 1,103,767	\$ 1,197,892	\$ 1,391,139	\$ 1,266,378	\$ 1,408,948	\$ 1,387,746	\$ 1,401,202	\$ 1,367,023	\$ 1,387,398	\$ 1,378,794	\$ 1,375,282	\$ 1,389,659	\$ 1,389,659	
<b>Capital Outlays</b>						\$ 1,013,140	\$ 625	\$ 23,635	\$ 9,511	\$ 16,706	\$ 9,250	\$ 11,676	\$ 10,218	\$ 15,548	\$ 97,169	9.6%

**NORRIS WATER COMMISSION Unaccounted for Water Report July2023-June 2024**

MONTH	WATER PUMPED	WATER SOLD/ METERED	METERED FOR CONSUMPTION	FIRE DEPT. USAGE	FLUSHING	Tank Clean/Fill	Water BILL ADJ.	Water LOST	% LOST	# Cust.
			NOT SOLD							
July	8,067,000	6,329,600	653,400	5,000	580,000		31,600	472,400	5.86%	798
August	8,644,000	7,391,800	714,200		505,000		8,900	24,100	0.28%	798
Sept.	7,382,000	6,372,700	576,400		425,000			7,900	0.11%	798
Oct.	7,545,000	6,435,400	775,600		290,000			44,000	0.58%	
Nov.								0	#DIV/0!	
Dec.	7,645,000	5,355,600	593,000		1,010,000			686,400	8.98%	
Jan.	7,798,000	6,165,500	550,700		380,000			701,800	9.00%	
Feb.	6,570,000	5,304,200	560,200		355,000			350,600	5.34%	
March								0	#DIV/0!	
April								0	#DIV/0!	
May								0	#DIV/0!	
June								0	#DIV/0!	
<b>Total</b>	<b>53,651,000</b>	<b>43,354,800</b>	<b>4,423,500</b>	<b>5,000</b>	<b>3,545,000</b>	<b>0</b>	<b>8,900</b>	<b>2,287,200</b>		

A	B	C	D	E	F	G	H	I	J
February	2024								
	West Norris Road-Valve								
	West Circle-Valve			30,000					
	Fire Hydrant/Deadend Flushing			150,000					
	Catholic Church 2"-			75,000					
	Lenior Museum-Fire Line			100,000					
				355,000					

Tony Wilkerson  
Superintendent