HISTORIC TOWN OF EATONVILLE, FLORIDA
COUNCIL WORKSHOP AGENDA

Tuesday, September 03, 2024, at 6:30 PM

Town Hall - 307 E Kennedy Blvd

Please note that the HTML versions of the agenda and agenda packet may not reflect changes or amendments made to the agenda.

I. CALL TO ORDER

II. CITIZEN PARTICIPATION (Three minutes strictly enforced)

III. COUNCIL DISCUSSION

1. Discussion of the Drinking Water System Asset Management and Fiscal Sustainability (AMFS) plan for the Town of Eatonville **(Public Works)**
2. Discussion of the Wastewater System Asset Management and Fiscal Sustainability (AMFS) plan for the Town of Eatonville **(Public Works)**

IV. COMMENTS

3. Staff Comments

V. ADJOURNMENT

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****PUBLIC NOTICE****

This is a Public Meeting, and the public is invited to attend. This Agenda is subject to change. Please be advised that one (1) or more Members of any of the Town's Advisory Boards/Committees may attend this Meeting and may participate in discussions. Any person who desires to appeal any decision made at this meeting will need a verbatim record of the proceedings and for this purpose may need to ensure that a verbatim record of the proceedings is made which includes the testimony and evidence upon which the appeal is to be based – per Section 286.0105 Florida Statutes. Persons with disabilities needing assistance to participate in any of these proceedings should contact the Town of Eatonville at (407) 623-8910 "at least 48 hours prior to the meeting, a written request by a physically handicapped person to attend the meeting, directed to the chairperson or director of such board, commission, agency, or authority" - per Section 286.26

HISTORIC TOWN OF EATONVILLE, FLORIDA

TOWN COUNCIL WORKSHOP

SEPTEMBER 3, 2024, AT 6:30 PM

Cover Sheet

***NOTE** Please do not change the formatting of this document (font style, size, paragraph spacing etc.)*

ITEM TITLE: Discussion of the Drinking Water System Asset Management and Fiscal Sustainability (AMFS) plan for the Town of Eatonville **(Public Works)**

TOWN COUNCIL ACTION:

PROCLAMATIONS, AWARDS, AND PRESENTATIONS		**Department:** PUBLIC WORKS DEPARTMENT
INTRODUCTIONS		**Exhibits:** • Town of Eatonville Drinking Water System Asset Management Plan prepared by the Florida Rural Water Association in partnership with Florida Department of Environmental Protection and Clean Water State Revolving Fund Program. 8/21/2024
CONSENT AGENDA		
COUNCIL DISCUSSION	YES	
ADMINISTRATIVE		

REQUEST: Request is for the Town Council to discuss the Florida Rural Water Association will present to the Town Council the Drinking Water Asset Management Plan. This is the first of two requirements to receive the $14.5 M Drinking Water funding from the FDEP. We are requesting adoption of this plan by resolution.

SUMMARY: This report outlines the critical assets that require Capital funding to operate as designed and within regulatory compliance. The report gives a detailed description of needed improvements. This plan adoption is a prerequisite for the SRF Drinking Water funding.

RECOMMENDATION: Recommendation is for the Town Council to discuss and consider the adoption of the Asset Management Plan.

FISCAL & EFFICIENCY DATA: N/A

RESOLUTION NO. 2024-24

A RESOLUTION OF THE TOWN OF EATONVILLE, APPROVING THE TOWN OF EATONVILLE DRINKING WATER SYSTEM UPDATED UTILITY ASSET MANAGEMENT AND FISCAL SUSTAINABILITY PLAN; AUTHORIZING THE PUBLIC WORKS DIRECTOR TO TAKE ALL ACTIONS NECESSARY TO EFFECTUATE THE INTENT OF THIS RESOLUTION; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Florida Statutes provide for financial assistance to local government agencies to finance construction of the utility system improvements; and

WHEREAS, the Florida Department of Environmental Protection State Revolving Fund (SRF) has designated the Town of Eatonville Water System Improvements identified in the Asset Management and Fiscal Sustainability Plan Update, as potentially eligible for available funding; and

WHEREAS, as a condition of obtaining funding from the SRF, the Utility is required to implement an Asset Management and Fiscal Sustainability Plan for the Drinking Water System's Utility Improvements; and

WHEREAS, the Council of The Town of Eatonville has determined that approval of the attached Asset Management and Fiscal Sustainability Plan Update for the proposed improvements, in order to obtain necessary funding in accordance with SRF guidelines, is in the best interest of the Utility.

NOW, THEREFORE, BE IT RESOLVED BY TOWN OF EATONVILLE COUNCIL THE FOLLOWING:

SECTION 1. That the Council hereby approves the Town of Eatonville Drinking Water Asset Management and Fiscal Sustainability Plan Update, attached hereto and incorporated by reference as a part of this Resolution.

SECTION 2. That the Asset Management Team is authorized to take all actions necessary to effectuate the intent of this Resolution and to implement the Updated Asset Management and Fiscal Sustainability Plan in accordance with applicable Florida law and Council direction in order to obtain funding from the SRF.

SECTION 3. That the Utility will annually evaluate existing rates to determine the need for any increase and will increase rates in accordance with the financial recommendation found in the Updated Asset Management and Fiscal Sustainability Plan or in proportion to the Utility's needs as determined by the Council in its discretion.

SECTION 4: CONFLICTS: All Resolutions or parts of Resolutions in conflict with any other Resolution or any of the provisions of the Resolution is hereby repealed.

SECTION 5: SEVERABILITY: If any section or portion of a section of this Resolution is found to be invalid, unlawful or unconstitutional, it shall be held to invalidate or impair the validity, force or effect of any other section or part of this Resolution.

SECTION 6: EFFECTIVE DATE: This Resolution will take effect immediately upon its passage and adoption.

PASSED AND ADOPTED on this 3rd day of September 2024.

TOWN OF EATONVILLE

_____
Mayor

ATTEST:

_____
Town Clerk

APPROVED AS TO FORM:

_____
Town of Eatonville Attorney

FLORIDA RURAL WATER ASSOCIATION

2970 WELLINGTON CIRCLE • TALLAHASSEE, FL 32309-7813
(850) 668-2746

Angie Gardner
Mayor, Town of Eatonville
307 East Kennedy Street
Eatonville, Florida 32751
Date: 8/21/2024

Re: Draft Drinking Water Fiscal Sustainability Analysis & Asset Management Plan Update – Town of Eatonville Orange County, PWS ID# 3480327

Mrs. Gardner,

The Florida Rural Water Association is pleased to submit the following updated Drinking Water System Asset Management and Fiscal Sustainability Plan (AMFSP) to the Town of Eatonville. FRWA prepared this Plan for the Town in partnership with the FDEP Drinking Water State Revolving Fund (DWSRF) Program to identify your drinking water system's most urgent and critical needs.

Please review the proposed updated AMFSP thoroughly. We look forward to receiving your comments and discussing your Drinking water utility assets' sustainability. We wish to finalize the report and present findings to the Council in a workshop setting followed by a presentation at a regular meeting for adoption and implementation.

This report assesses the current conditions of your drinking water fixed capital assets (water treatment plant, distribution system, etc.) and more importantly provides recommendations, procedures, and tools to assist with long-range asset protection and drinking water utility reinvestment. FRWA will be available to support AMFSP recommendations and implementation. The following report is considered a living document with tools for your use and must be updated at least annually (recommended quarterly updates) by utility staff. We provide electronic copies for your use and future modification. FRWA is available to assist in updating and revising the AMFSP.

As a valued FRWA member, it is our goal to help make the most effective and efficient use of your limited resources. This tool is an unbiased, impartial, independent review and is solely intended for achievement of drinking water system fiscal sustainability and maintaining your valuable utility assets. Florida Rural Water Association has enjoyed serving you and wishes your system the best in all its future endeavors.

Sincerely,
Patrick Dangelo
FRWA Utility Asset Management

Copy: Eric V Myers, FDEP, DW State Revolving Fund
Gary Williams, FRWA Executive Director

EMAIL
frwa@frwa.net

WEBSITE
www.frwa.net

Town of Eatonville
Asset Management and Fiscal Sustainability Plan Update

Drinking Water System
Asset Management and Fiscal Sustainability Plan
Fiscal Year 2024 Update
Prepared for:

TOWN OF EATONVILLE
EATONVILLE, FLORIDA
PWS ID: 3480327

Prepared by:

FLORIDA RURAL WATER ASSOCIATION
Asset Management Program
Date: 08/21/2024

In partnership with
Florida Department of Environmental Protection &
Drinking Water State Revolving Fund Program

Contents

Executive Summary

Asset Management Plan Review

The Town of Eatonville and Florida Rural Water Association (FRWA) worked together over the past several months to update the Town's 2018 Asset Management and Fiscal Sustainability Plan. The asset management plan evaluation and update included these key areas:

- An inventory of assets and their location.
- An evaluation of asset condition, performance, level of service, current value and remaining useful life (Life Cycle Costing).
- Risk(s) assumed by waiting to repair, upgrade or replace critical equipment.
- Plans for maintaining, repairing, and replacing critical assets.
- Plans for funding, scheduling, and implementing the Plan.

Asset Management involves a collaborative effort among several essential stakeholders (field operations, engineering, finance, regulatory, customers, and others). It takes all stakeholders to bring about an effective Asset Management Plan that will provide the residents of the Town with high quality water and reliable service at an affordable cost.

Project Purpose

The following report is intended to be an Update to the Asset Management and Fiscal Sustainability Plan adopted in 2018. The update is unbiased and provides recommendations for managing system assets. The Town of Eatonville is a valuable member of FRWA and as always, FRWA is available to help with further implementation of your AMFSP.

Process

A systematic process was used in this update of the Town's Asset Management Plan. The following data was gathered on the system for initial review and analysis:

- Most recent Financial Audit and Comprehensive Annual Financial Report (CAFR)
- Most recent System Capital and Operating Budgets
- Current FDEP Drinking Water System Sanitary Surveys
- Water volume pumped and sold during the last 12 months.
- Number of water meters; grouped by size if available.
- Monthly Operating Report (MORs) for the past 12 months
- Current Rate Ordinance showing rates, connection fee, late fee, etc.
- Capital Improvement Plan (CIP)

From this current Water System data, FRWA Staff identified critical assets to evaluate in the field which includes the major system elements and processes; (production, treatment, distribution, storage, and metering).

Asset Conditions Summary

FRWA collected and assessed most of the drinking water system assets and entered the information into Diamond Maps. While this will give a very good representation of the condition of the Town's Drinking Water System, it is imperative that the Town collect and assess any remaining components as part of the Implementation of your AMP. To determine asset condition FRWA considers the assets age, performance, structural stability and whether it would be better to rehab or replace the asset.

Overall, the Town's drinking water system is in average condition, but is in need of improvements and upgrades that focus on capacity, demand, modernization and the overall reliability of the system. A proactive Operations and Maintenance Plan along with the dedication and desire of the staff to maintain and deliver good potable drinking water to the residents and visitors will show in the overall condition of the System.

Critical Assets and Priority Action List:

The Table below contains a listing of the Town of Eatonville 's Critical Assets and Processes that were found to need Capital and/or Operational funding to operate as designed and within Regulatory Compliance. Please see Section 4 for a detailed description of the asset improvements listed below.

Town of Eatonville				
Critical Assets List				
Name	Installed	Design Life	Condition	Consequence of Failure
Hydrants - 6	Varies	50	Failed	Moderate
Hydrants - 5	Varies	50	Very Poor	Moderate
Hydrants - 8	Varies	50	Poor	Moderate
Hydrant Valves - 6	Varies	25	Poor	Moderate
System Valves - 5	Varies	25	Very Poor	Moderate
System Valves - 35	Varies	25	Poor	Moderate

Based on the list of Critical Assets and Processes that were found to need Capital and/or Operational funding and the State requirements for participation in the State Revolving Fund Program (SRF), a Priority Action List was developed to help prioritize action items and establish target dates for timely completion. The Priority Action List is found on the following page.

Priority Action List

Town of Eatonville PRIORITY ACTION LIST				
Action Item	**Target Date(s)**	**Cost Type**	**Cost**	**Responsible Party or Parties**
1. Pass Resolution Adopting AMFS Plan and Rate Schedule Update	Within 60 to 90 Days from Receipt of Final Plan	Administrative	No Cost	Town Council and Chief Administrative Officer
2. Train Staff and Begin Using AMFS Tools (Diamond Maps or similar).	90 Days after Adoption	Administrative	Annual Cost - $600 + local provider charge Training – No Cost *	Chief Administrative Officer or Designee
3. Follow all Recommendations from RevPlan model created	Within 60 to 90 Days from Receipt	Administrative	No Cost	Town Council, Chief Administrative Officer, and Clerk
4. Train Staff and Begin Using RevPlan.	90 Days after Adoption	Administrative	No Cost *	Chief Administrative Officer or Designee
5. Develop Valve Exercising and Replacement Program	Within 6 Months after Adoption	Planning	No Cost *	Public Works Director or Designee
6. Develop Hydrant Flushing, Flow Testing and Maintenance Program	Within 6 months after Adoption	Planning	No Cost *	Public Works Director or Designee
7. Explore Financial Assistance Options	On-going beginning FY 2025	Administrative	No Cost	Chief Administrative Officer and Finance Staff
8. Engage a Registered Engineer To Review, Plan, Design, Permit, and Construct Capital Projects (Water Improvement Projects)	On-going beginning FY 2025	Capital	Professional Service and Construction Cost based on Project Scope	Chief Administrative Officer and Public Works Director
9. Document Water Line Condition and Develop Replacement Strategy	On-going beginning FY 2025	Planning	No Cost	Public Works Director or Designee

Town of Eatonville PRIORITY ACTION LIST				
Action Item	**Target Date(s)**	**Cost Type**	**Cost**	**Responsible Party or Parties**
10. Continue with Scheduled Improvements to Drinking Water System Outlined in 3 phases (New WTP and equipment, Distribution Piping)	On-Going FY 2024	DEO Grant	Estimated $13,782,000	Chief Administrative Officer, Department Director, and Engineer
11. Repair/Replace Hydrant in Failed Condition; Replace Hydrants in Very Poor Condition; Repair Hydrants in Poor Condition; and begin Replacing 3 Hydrant/Valve Assembly Annually	Failed in FY 2025 Very Poor/Poor in FY 2026-2029 and On-going beginning in FY 2029	Capital	Failed - $33,000; Very Poor - $7,000; Poor - $26,000; and Annual Replacement (3) - $14,100 per year	Department Director or Designee
12. Replace Valves in Failed Condition; Repair/ Repair/Replace Valves in Poor Condition; Begin Replacing 14 Valves Annually with Collars; and Raise Valves to Match Ground Level with Concrete Collar	Failed in FY 2025 Poor in FY 2026-2029 and On-going beginning in FY 2029	Capital	Failed - $18,000; Poor - $50,300; and Annual Replacement (14) - $16,800 per year	Department Director or Designee
13. Consider Alternative Rate Structure	Within 1 Year after Adoption	Planning	No Cost *	Chief Administrative Officer and Finance Staff
14. Develop Operation and Maintenance Program and Procedures	Within 1 Year after Adoption	Planning	No Cost *	Department Director or Designee
15. Determine Level of Service (LOS) Attributes, Goals, Targets, and Metrics and Prepare LOS Agreement	Within 1 Year after Adoption	Planning	No Cost *	Council, Chief Administrative Officer, Staff and Public
16. Develop Change Out/Repair and Replacement Program for Critical Assets	Within 1 Year after Adoption	Planning	No Cost *	Department Director or Designee

Town of Eatonville PRIORITY ACTION LIST				
Action Item	**Target Date(s)**	**Cost Type**	**Cost**	**Responsible Party or Parties**
17. Locate, Clean Out and Evaluate Buried or Unlocated Valves Shown on System Maps	On-Going beginning in FY 2025	Operational	No Cost *	Department Director or Designee
18. Update Water System Mapping	On-going	Administrative	No Cost	Department Director or Designee
19. Provide Additional Staff Training Opportunities	On-going	Administrative	Cost May Vary *	Chief Administrative Officer and Department Director
20. Implement Annual Asset Replacement Program	Annually	Operational	Cost will Vary Based on Asset Replacement Program and Strategy	Chief Administrative Officer, Department Director, and Staff
21. Conduct Rate Sufficiency Study and Adjust Rate Structure as Needed with RevPlan	Annually	Planning	No Cost *	Chief Administrative Officer and Finance Staff
22. Revise AMFS Plan and RevPlan Model	Annually	Administrative	No Cost *	Council, Chief Administrative Officer, Staff
23. Conduct Energy Audit and update there after	Every 2 to 3 Years	Administrative	No Cost *	Chief Administrative Officer or Designee

Introduction

Eatonville, Florida, holds the distinction of being one of the oldest incorporated African American towns in the United States. Its history is rich and deeply tied to the post-Reconstruction era, providing a unique and significant chapter in African American heritage.

Early Beginnings

- **Founding**: Eatonville was founded in 1887 by a group of formerly enslaved African Americans. It was named after Josiah Eaton, one of the landowners who sold his property to the founders.
- **Incorporation**: The town was officially incorporated on August 15, 1887, making it one of the first self-governing all-black municipalities in the United States.

Key Figures

- **Joe Clark**: Joe Clark, one of the town's founders, played a pivotal role in the establishment of Eatonville. He became its first mayor and was a prominent figure in the community.
- **Lewis Lawrence**: Another influential figure, Lawrence, was instrumental in acquiring the land and promoting the

town's growth.

Development

- **Education and Religion**: The community placed a high value on education and religious life. The first school in Eatonville was established in 1889, and several churches were built, which served as important social and cultural centers.
- **Economy**: Early economic activities included agriculture, citrus farming, and various trades. Residents worked hard to build a self-sufficient and thriving community.

Zora Neale Hurston

- **Literary Significance**: Eatonville gained national attention through the works of Zora Neale Hurston, a celebrated African-American author and anthropologist. Hurston spent much of her childhood in Eatonville, which served as the setting for many of her stories and novels, including the acclaimed "Their Eyes Were Watching God."

Modern Era

- **Cultural Preservation**: Eatonville has made efforts to preserve its rich cultural heritage. The Zora Neale Hurston Festival of the Arts and Humanities, held annually, celebrates the town's history and Hurston's legacy.
- **Historic Landmarks**: Several historic buildings and sites in Eatonville have been preserved, contributing to its status as a place of cultural and historical importance.

Sources;

Hobbs, T. (2001). *Eatonville, Florida: A History*. University Press of Florida.
Boyd, V. (2020). "Eatonville, Florida: History and Heritage." Florida Historical Society.
Morris, A. (2017). "The Significance of Eatonville in Zora Neale Hurston's Life and Work." *The Southern Quarterly*, Vol. 55, No. 3.

In 2018 FRWA assisted in the development of an Asset Management Plan with Eatonville covering a wide range of needs. Now six years later, some needs were met while some priorities have changed. As with all Asset Management Plans as the System changes so do the needs, therefore so should the plan. Asset Management is not a project; it's a never- ending process that has to be continually refined and expanded. Having the tools to track the assets performance, maintenance schedules and any unscheduled repairs within the system is considered implementation of the AMFSP. Once tracked, you can start seeing the characteristics of an asset that's beginning to fail, its need for preventive maintenance and the ability of the system to avoid a critical failure. Updating the AMFSP no less than annually is critical, semi-annually is recommended.

Asset Management Requirements

In accordance with FDEP Rule 62-503.700(7), F.A.C., State Revolving Fund (SRF) recipients are encouraged to implement an Asset Management Plan (AMP) to promote utility system long-term sustainability. To be accepted for the financing rate adjustment and to be eligible for reimbursement, an asset management plan must:

1. Be adopted by resolution.;
2. Have written procedures in place to implement the plan.
3. Be implemented in a timely manner.

An Asset Management Plan is a tactical plan for managing an organization's infrastructure and assets to deliver an agreed upon standard of service at the best appropriate cost.

Desired level of service = this is what utilities want their assets to provide.
Best appropriate cost = this is the lowest life cycle cost (but it's not necessarily without cost)

Basically, we want to provide safe, reliable service while thinking about what the costs will be for those services. Essentially, we're thinking more like a business.

Asset management best practices aim to improve utility operations. Utilities will become more familiar with these

approaches as an asset management program is implemented. A good starting point for any size syste Questions" framework. This framework walks you through all the major activities associated with asset management and can be implemented at the level of sophistication reasonable for a given system.

The 5 core questions of an asset management framework are:

1. What Is the Current State of the Utility's Assets?
2. What Is the Utility's Required Sustained Level of Service?
3. Which Assets Are Critical to Sustained Performance?
4. What Are the Utility's Best "Minimum Life-Cycle Cost" CIP and O&M Strategies?
5. What Is the Utility's Best Long-term Financing Strategy?

This Asset Management Plan outlines the current state of drinking water infrastructure in the Town of Eatonville. It identifies the current practices and strategies that are in place to manage drinking water infrastructure and makes recommendations where they can be further refined.

Asset Management Plan Implementation

Implementing and maintaining an active Asset Management Plan will provide numerous benefits to the Utility and its Customers, such as:

- Prolonging asset life and aiding in rehabilitation/repair/replacement decisions.
- Increased operational efficiencies.
- Informed operational and management decisions.
- Increased knowledge of asset criticality.
- Meeting consumer demands with a focus on system sustainability and improved communication.
- Setting rates based on sound operational and financial planning.
- Budgeting by focusing on activities critical to sustained performance.
- Meeting system service expectations and regulatory requirements.
- Improving responses to emergencies.
- Improving security and safety of assets.
- Capital improvement projects that meet the true needs of the system and community.
- Provides an impartial unbiased report to help explain rate sufficiency to the community.

In developing the update to this plan, FRWA personnel collected information on the vast majority of the Town's drinking water system assets. The information has been entered into or updated in Diamond Maps; a cloud based geographical information system (GIS). FRWA, in partnership with FDEP, has contracted with Diamond Maps to develop Asset Management software specifically for small systems at an affordable cost. The software is easy to use, as it is set up for small communities and for water/wastewater systems. The Town has already begun utilizing Diamond Maps and should continue updating assets as they are replaced or added.

Having an asset management tool to keep data current is essential for tracking the utility's assets into the future, to assist with planning and funding for asset rehabilitation or replacement, to schedule and track asset maintenance by issuing work orders and assigning tasks to personnel who will perform the work and update in the system.

In order to determine Fiscal Sustainability, FRWA uses an online financial tracking and revenue sufficiency-modeling tool, RevPlan. RevPlan is designed to enhance asset and financial management for small/medium Florida water and wastewater utilities. It provides a free-to-member online tool to achieve financial resiliency, and to maintain utility assets for long-term sustainability.

By inputting your accurate budgetary, O&M, CIP, existing asset and funding information, this tool assists the user in identifying any rate adjustments and/or external funding necessary to meet the utility finance requirements, and the impact rate increases/borrowing may have on customers.

Additionally, RevPlan is programmed to populate asset information directly from Diamond Maps.

FRWA personnel will train system staff in how to update Revplan going forward. As with Diamond Maps, annual updates to Revplan can serve as a part of implementation.
Implementing an asset management plan involves several key steps, each critical to ensuring the long-term sustainability and efficiency of water and wastewater systems. Financial planning is then essential to integrating asset management into the budgeting process to ensure adequate funding for maintenance, renewal, and replacement. Additionally, continuous monitoring and updating of the asset management plan are crucial to accommodate changes in asset conditions, regulatory requirements, and organizational priorities. Since the original plan was developed in 2018, the following projects/items have been completed:

- Rehabilitation of Elevated Storage Tank Inside and Outside
- Meter Change out Program.
- Ground Storage Tank Inspection (no deficiencies noted)
- Valve exercise and inspection.
- Diamond Maps subscription
- Hydrant Flow Testing
- New Scada System

Items not completed from the previous asset management plan have been included in the 3 phase Potable Water System Recommendations currently planned for. The demolition or renovation of the former fluoride building is the only item that has not been included.

Town of Eatonville Information

Population:

- The population of Eatonville was approximately 2,265 in the 2024 census, showing steady growth since the most recent census.

Median Household Income:

- The estimated median household income in Eatonville for 2022 was $30,176. This figure provides insights into the economic standing of local residents and helps understand the community's overall prosperity (Neilsberg) (World Population Review).

Per Capita Income:

- Eatonville reported a per capita income of $18,550 in 2022. This metric indicates the average income per person in the town, offering a glimpse into individual earning levels (Census Reporter).

Cost of Living Index:

- Eatonville's cost of living index was 88.7 as of March 2022. This value, below the national average of 100, suggests that living in Eatonville is relatively more affordable than the U.S. average, contributing to its appeal as a residential area (Neilsberg) (World Population Review).

Poverty Rate:

- In 2022, Eatonville's poverty rate stood at 32.1%. While this figure is higher than the state average, it also highlights opportunities for community growth and economic development to enhance the quality of life for all residents (Census Reporter) (Neilsberg).

Elected Officials

Name	Title
Angie Gardner	Mayor
Theodore Washington	Vice Mayor
Wanda Randolph	Council Member
Rodney Daniels	Council Member
Tarus Mack	Council Member

Staffing

Listed below are the Staff for the Public Works Department. FRWA appreciates the help from all the staff that helped with the update to the AMFSP.

Name	Title
Demetris Pressley	Chief Administrative Officer
Valerie W. Mundy P.E.	Department Director
Sidney Silas	Public Works Field Supervisor
Tynisha Dunnell	Public Works Admin Assistant
Mark Haynes	Public Works Service Worker II
Timothy Pitts	Public Works Service Worker II
Jimmy Johnson	Public Works Service Worker I
Robert Bush	Public Works Service Worker I
Youth Thompson	Public Works Service Worker I

Mission Statement

The mission of the Town of Eatonville, Florida is to deliver municipal services which meet the vital health, safety and general welfare needs of the residents and which sustain and improve their quality of life. As we work to achieve this mission, we will employ fiscal discipline, continuous improvement, first-rate customer service, and straight forward communications. In this work we will tolerate no mediocrity.

Goals

- Reaffirm the ethical foundation of our government.
- Maintain a sound and effective management process.
- Set realistic expectations regarding services, and continuously improve organizational performance until Eatonville becomes the flagship among Florida's cities.
- Make the financial capacity of the Town sustainable.
- Assure that appointed Town leadership is capable and strong.

As goals have been set for each of the departments it is important that the goals be refined over time as needs change and aspects of the goals are met. It is important to make sure that the goals set have measurable action items. Examples could be or include;

- Increase billing collection rate to 98%.
- Reduce unaccounted for Water and Wastewater to 15%
- Annually evaluate 100% of the Drinking Water System and Components

Vision & Values

Vision:
The Town of Eatonville will set the standard of excellent for a small-sized American town; recognized nationally as the "Oldest Black Incorporated Municipality in America" and that is striving to provide high quality, cost-effective services.

Values:
- Financial Accountability: We will provide responsible.
- Communication: We will communicate effectively with our citizens, our customers, and the community at large.
- Integrity: We will be transparent, truthful and honor our commitments
- Quality: we will aspire to the highest level of excellence in our product and services.
- Quality: we will aspire to the highest level of excellence in our product and services.
- Diversity: We will maintain a sustainable workforce that reflects our community.
- Teamwork: We will work cooperatively to build and maintain productive working relationships.

Drinking Water System

Eatonville, Florida, like many small municipalities, has a drinking water system designed to provide safe and reliable water to its residents. Here's an overview of Eatonville's drinking water system and the equipment associated with it:

Water Supply Sources
- **Groundwater Wells**: Eatonville primarily relies on 2 groundwater wells as its source of drinking water. These wells draw water from underground aquifers, which are natural sources of fresh water. Currently the wells utilize two (2) 40hp Demming XH10 pumps that are rated at 500 gpm.

Water Treatment Plant
- **Pump Stations**: Water is pumped from the groundwater wells to the treatment plant using two (2) 40hp Demming XH10 pumps that are rated at 500 gpm.

- **Disinfection**: The water undergoes disinfection to kill harmful bacteria and pathogens. This is done using sodium hypochlorite (Chlorine), which ensures that the water remains safe for consumption as it travels through the distribution system.
- **Chemical Treatment**: Additional chemicals, such as fluoride (for dental health) were once added but no longer utilized.

Storage and Distribution
- **Water Storage Tanks**: Treated water is stored in an elevated storage tank or ground storage tank both with a 200,000 gallon capacity. These tanks ensure a stable water supply and maintain pressure in the distribution system utilizing three (3) high service pumps. Two of the pumps are 40 hp Gould's installed in 1981 and one (1) is a 50 hp installed in 2000.
- **Distribution Pipes**: A network of underground pipes made of materials like PVC, Asbestos Cement. ductile iron, or cast iron distributes the treated water to homes and businesses. This network includes main pipes, service lines, and household connections.
- **Valves and Hydrants**: The system includes 141 various valves (gate valves, check valves) to control water flow and 68 hydrants for firefighting purposes.

Monitoring and Maintenance
- **SCADA Systems**: Supervisory Control and Data Acquisition (SCADA) systems are used to monitor and control the water treatment and distribution processes in real-time. This technology helps operators manage the system efficiently and respond quickly to issues.
- **Regular Testing**: The water is regularly tested for contaminants to ensure it meets state and federal quality standards.

Testing includes checking for microbial, chemical, and physical parameters.

Emergency Preparedness

- **Backup Generators**: Backup generators are in place to ensure the water system remains operational during power outages.
- **Emergency Plans**: The town has emergency response plans to address potential issues such as contamination events or major system failures. Please contact FRWA source water team if updates are needed to the well head protection or source water protection plans.

Eatonville's drinking water system, with its combination of wells, treatment processes, storage facilities, and distribution infrastructure, is designed to provide safe and reliable water to its residents while adhering to regulatory standards.

Current Asset Conditions

FRWA collected and assessed the majority of the drinking water system assets and entered the information into Diamond Maps. While this will give a good representation of the condition of the Town's drinking water assets, it is imperative that the system collect and assess any remaining components as part of the Implementation of your AMP.

To determine asset condition FRWA considers the asset's age, performance, structural stability and would it be better to rehab or replace the asset. The AMP should be updated no less than annually (recommended bi-annually). This will allow the Town to track asset performance within the system and also monitor rates to ensure fiscal sustainability.

Wells

The Town relies on two groundwater wells for its drinking water supply. Both wells, identified as Well #1-East (AAI5812) and Well #2-West (AAI5809), were drilled in 2005 using the rotary method, reaching a depth of 601 feet each. The wells have a static water level of approximately 43 to 45 feet, with a test yield of 1,650 gallons per minute (gpm).

Well #1 has an actual yield of 990 gpm, while the actual yield for Well #2 is unspecified. Both wells feature 18-inch black steel casings extending 62 to 80 feet outside the casing and are equipped with vertical turbine pumps manufactured by Deming, each rated at 500 gpm with 40 horsepower motors.

The wells are protected with security measures, sanitary seals, above-ground check valves, and well vent protection. Well #1 additionally has a Generac generator as a power supply, although the piping associated with both wells is noted to be corroded.

Storage Tanks

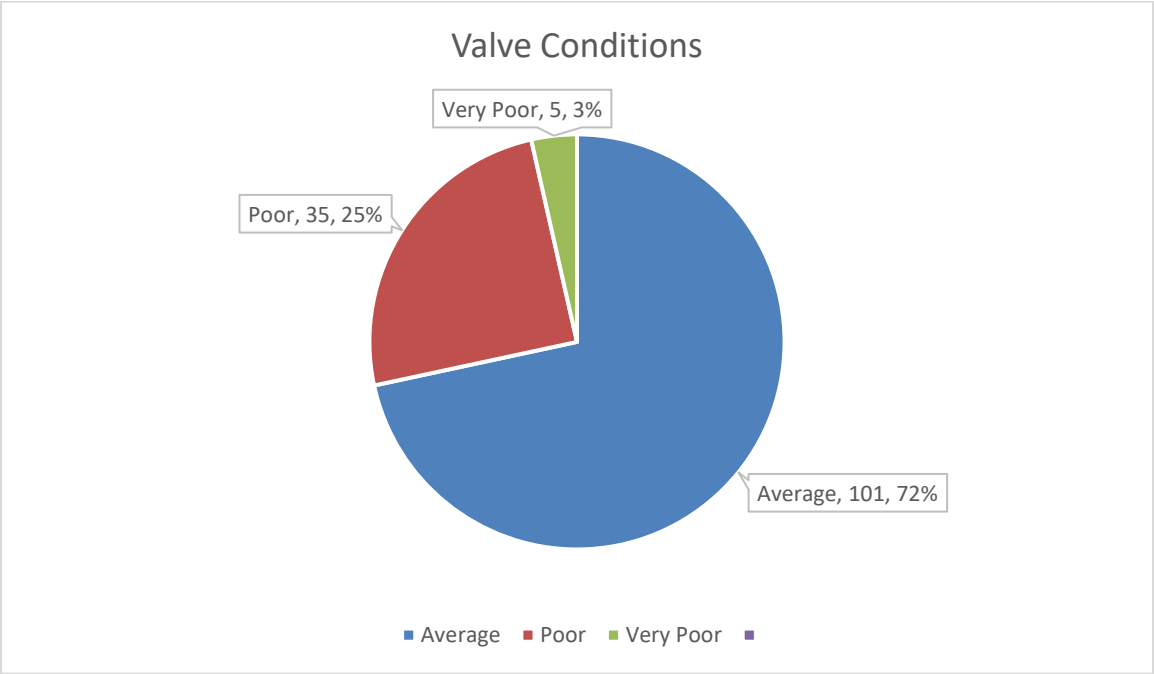
The Town utilizes two storage tanks for its water supply: a 200,000-gallon ground storage tank and a 200,000-gallon elevated storage tank. The ground storage tank, situated at the plant site on Mosely Avenue, was recently inspected and found to have no deficiencies. The elevated storage tank, currently in use and located offsite south of West Kennedy Blvd near Mustard Seed Lane, has recently undergone a comprehensive refurbishment. This refurbishment included cleaning, sandblasting, and complete recoating of both the interior and exterior surfaces. Both tanks are now well-maintained and operational, ensuring the town's water storage needs are met effectively.

Distribution System

System Valves:

During the initial AMP and update, staff from FRWA and outside contractors located, mapped, and evaluated the known 109 system valves in the initial 2018 assessment. The most recent assessment done by outside contractors assessed 141 valves. The following information was found:

- 101 valves were in average or better condition.
- 35 were in poor condition.
- 5 were in very poor condition.



Please note that of the 35 poor condition valves, 27 were 2" wheel handle valves and were unable to be assessed. For planning purposes, they are given a poor rating until they are evaluated by the system or replaced.

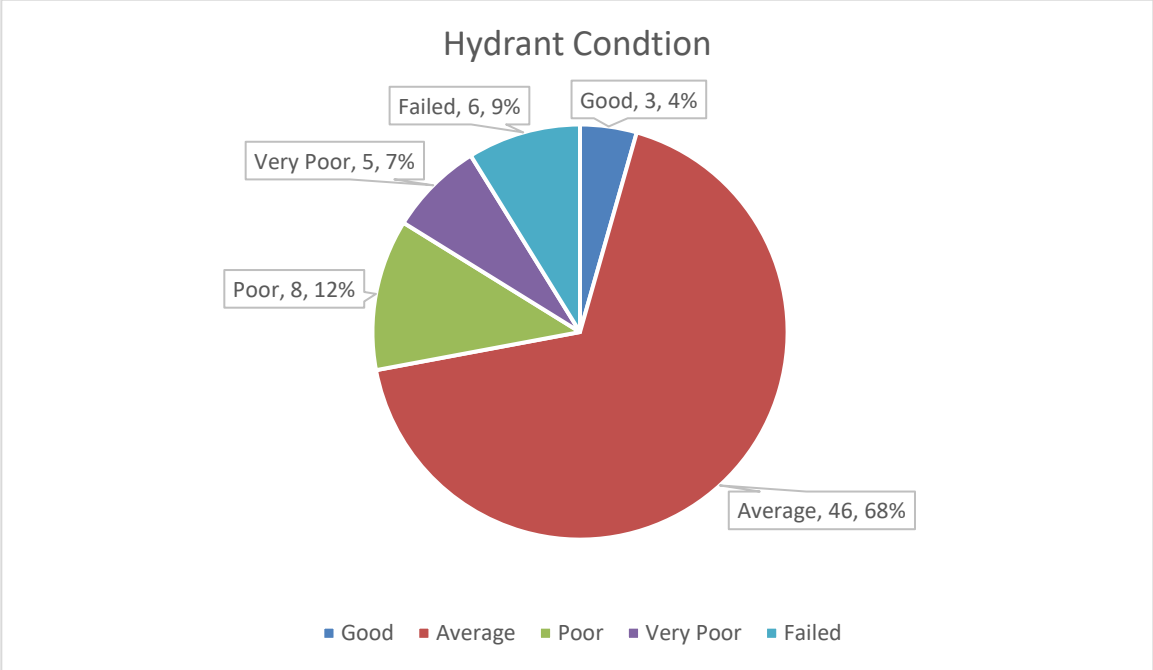
Asset Name	Field Comment	Condition	Latitude	Longitude
Lemon St	VALVE LEAKS WHILE OPERATING	Very Poor	28.61761451	-81.38006911
Lemon St	VALVE LEAKS WHILE OPERATING	Very Poor	28.61761375	-81.38009701
Gabriel	COULD NOT LOCATE	Poor	28.6184712	-81.3839763
Eaton/Calhoun 1	VALVE LOCATED IN METER BOX	Poor	28.6202193	-81.379343
deacon jones	COULD NOT LOCATE	Poor	28.6203252	-81.3939455
s college 1	ONLY 7 TURNS	Very Poor	28.6176588	-81.3815612
lime 1	COULD NOT LOCATE	Poor	28.6162887	-81.3776057
lime/people 3	COULD NOT LOCATE	Poor	28.6163167	-81.376924
west 1	COULD NOT LOCATE	Poor	28.6181972	-81.3777362
Ruffell/Calhoun 1	BOX OFF SET	Poor	28.6149978	-81.3796522
Ruffell west 2	VALVE IS HARD TO OPERATE	Very Poor	28.6150323	-81.3776448
Ruffell/west 3	VALVE IS HARD TO OPERATE	Very Poor	28.6151887	-81.3776755
Jonotey 2	VALVE IS HARD TO OPERATE	Very Poor	28.6123893	-81.376165

Cost estimates and valve assessments should be updated once upcoming projects are completed.
Estimated cost to replace 14 poor and very poor valves: $16,000.

Fire Hydrants and Hydrant Valves:

FRWA assessed 68 hydrants and hydrant valves and entered the updated information into Diamond Maps. Of these hydrants and valves associated with them the following was determined.

- 3 were found to be in Good condition.
- 46 were found to be in Average condition.
- 8 were found to be in Poor condition.
- 5 were found to be in Very Poor condition.
- 6 were found to be in Failed condition.



Asset Name	Condition	Condition Comment	Map Latitude	Map Longitude
100 Eaton St.	Failed	Seized unable to operate	28.6205135	-81.3837997
2061 Eaton	Failed	Very stiff to turn, possibly seized	28.6209228	-81.3858412
W Kennedy/Bethune	Failed	Stem coupling broke, hydrant free spins	28.618549	-81.391315

200 s lake destiny	Failed	Both nozzles seized, unable to assess	28.6171568	-81.3886857
500 s lake destiny	Failed	Seized	28.61332	-81.3881495
535 Berthann	Failed	Seized	28.6125437	-81.3761535
142 Lincoln	Poor	Stiff to turn, tree roots growing into base of hydrant	28.621127	-81.3923355
100 Bethune	Poor	Very stiff to operate, below minimum 18inche grade	28.6200513	-81.3913292
403 e Kennedy	Poor	Very stiff to operate but did open, bonnet is cracked	28.6185997	-81.3793543
535 Samual St.	Poor	leaning more than 20 degree angle	28.6173307	-81.3951563
606 w Kennedy	Poor	leaning more than 20 degree angle	28.6184715	-81.3962507
Kennedy/Wymore	Poor	Leaning more than 15° should be relocated when replaced due to bad location.	28.6184485	-81.3860285
263 Amador	Poor	Very stiff to operate but did open	28.6146075	-81.3926115
S Lake Destiny Dr.	Poor	Only front outlet opens, all others seized	28.6199035	-81.3872312
350 S Lake Destiny	Very Poor	Very stiff to operate, outlet seized up right side	28.6145822	-81.3884658
318 Campus View	Very Poor	Very stiff to operate, opened only slightly. May work if exercised	28.613897	-81.3937733

435 Sunny view	Very Poor	Very stiff to operate	28.6130612	-81.392514
Greensends St.	Very Poor	Very stiff to operate, stem feels like it will snap if opened. Crunching sound heard when attempting to operate	28.6119245	-81.3915127
108 S Calhoun	Very Poor	Hydrant turns on but all caps are seized	28.6168107	-81.3796481

Failed Hydrants (6) should be scheduled for replacement in FY25 and FY26, replacing 3 per year would have an estimated cost of approximately $10,500. An additional amount may be needed if the hydrant valve is not in place or needs replacement. **Estimated cost: $21,000.**

Hydrants in poor to very poor (13) should be repaired when applicable. Estimated costs for repairs will vary depending on issues found in data collection and the price of parts. $500 has been set aside for each of the repairs and should be planned for FY26 or sooner. **Estimated cost: $6,500.**

Hydrant Valves

Of the 68 hydrants only 32 were observed to have isolation valves. Having an isolation valve is critical to ensure the proper operation and maintenance needed for the hydrant. Failure to have an isolation valve at each hydrant can lead to widespread outages in the case the hydrant is damaged or malfunctions. In part from outages, excessive water loss can lead to other issues that include, heavy usage of pumps at well and storage tanks, flooding of immediate area, road and property damage, and system wide outages due to low water levels in storage tanks. The addition of a hydrant valve should be accompanied by each new installation of hydrants being replaced or added into the system.

Name	Condition	Condition Comment	Map Latitude	Map Longitude
wwValvInFac-2	Poor	Buried	28.6159572	-81.3886468
wwValvInFac-12	Poor	Buried	28.6202193	-81.379343
wwValvInFac-26	Poor	Buried	28.6163936	-81.3950998
wwValvInFac-27	Poor	Buried	28.6182741	-81.4005381
wwValvInFac-28	Poor	Lid missing, box offset, debris in box	28.6183023	-81.3991008
wwValvInFac-30	Poor	Lid missing, box full of debris	28.6176559	-81.3815628

Water Meters

In the past year, the Town has completed a comprehensive meter change-out program, replacing all meters with new digital read meters throughout the system. The system currently maintains 783 water meters for residential and commercial use. While guidelines for meter replacement vary by manufacturer, industry standards suggest replacement every 10 to 20 years or after 1,000,000 gallons of usage. Older meters tend to slow down over time, leading to higher levels of unaccounted-for water and lost revenue. Previously, it was recommended that the system begin allocating funds for meter replacement.

Water meters are a vital component of the system's revenue stream, and inaccurate meters can result in substantial financial losses. Ensuring that meters are functioning correctly and replacing old or broken meters annually is an industry standard and best management practice. Regular testing of large meters (two inches and above) or those installed at high-use locations is also advised. Meters that do not meet AWWA standards should be repaired or replaced to maintain accuracy and prevent revenue loss.

The figures mentioned below are based on the recent meter replacement project, which incorporated newer technology for remote meter readings. Actual costs will vary depending on the chosen vendor and technology to best suit the system's needs once the new meters have reached the end of the manufacturer's recommended age or usage.

Estimated cost to replace all meters in the system (approximately 783 meters at $500 per meter): $391,500.

Operations and Maintenance

O&M consists of preventive and emergency-reactive maintenance. In this section, the strategy for O&M varies by the asset, criticality, condition, and operating history. All assets have a certain risk associated with them. This risk must be used as the basis for establishing a maintenance program to make sure that the utility addresses the highest risk assets. In addition, the maintenance program should address the level of service performance objectives to ensure that the utility is running at a level acceptable to the customer. Unexpected incidents could require changing the maintenance schedule for some assets. This is because corrective action must be taken in response to unexpected incidents, including those found during routine inspections and O&M activities. Utility staff will record condition assessments when maintenance is performed and during scheduled inspections. As an asset is repaired or replaced, its condition will improve and therefore reduce the overall risk of asset failure. The maintenance strategy should be revisited annually.

The conditions found during the assessments of the Drinking Water System Assets shows that the Town of Eatonville has a proactive O&M Plan in place. The only recommendation would be to implement Diamond Maps so the repairs and maintenance can be more easily tracked.

Capital Improvement Plan

The utility staff and management typically know of potential assets that need to be repaired or rehabilitated. Reminders in the Diamond Maps task calendar let the staff members know when the condition of an asset begins to decline according to the manufacturer's life cycle recommendations. Because the anticipated needs of the utility will change each year, the CIP is updated annually to reflect those changes.

The Town has begun initial planning for major upgrades to the water system. The Eatonville Potable Water System Recommendations project aims to enhance the town's water system to meet current and future demands. The project includes multiple phases encompassing design, construction, and system improvements.

Project Overview

The Town of Eatonville is embarking on a comprehensive upgrade of its potable water system to meet current and future demands. This project involves significant enhancements to the existing water treatment and distribution infrastructure, ensuring reliable and safe water supply for the community. Listed below is a summary of the 3 phase approach that was designed for the Town by CPH Engineering Firm. Funding for these projects are from Grants procured through CDBG and SRF programs.

Key Objectives

1. **Capacity Increase**: Upsize the water treatment plant (WTP) and related infrastructure to handle higher water demands.
2. **Fire Flow Reliability**: Improve the reliability of fire flow by upsizing critical water lines.
3. **Future Demand Preparedness**: Design and construct new wells to meet demands beyond 2025.
4. **System Modernization**: Replace aging infrastructure with modern, efficient equipment and systems.

Project Phases

Phase 1: Preliminary Engineering and Design (2024)

- **Design/Construct New High Service Pump (HSP) Building**: Includes new HSPs, chemical feed systems, and a diesel generator.
- **Refurbishment of Existing WTP**: Upgrade existing facilities to meet modern standards and increase capacity.
- **Upsize Water Main Pipe**: Increase main pipe size to at least 16 inches from WTP to Kennedy Blvd.

Phase 2: Construction and Testing (2025-2026)

- **Well Pump and Motor Upgrades**: Increase existing well pumping capacity from 1,000 gpm to 2,300 gpm and conduct yield step drawdown tests.
- **Modify Consumptive Use Permit (CUP)**: Ensure future potable water demands are met.
- **Design/Construct/Test New Lower Floridan Aquifer (LFA) Well**: To meet demands beyond 2025.

Phase 3: System Expansion and Enhancements (2026-2027)

- **Expand Distribution Network**: Include new water mains to improve distribution efficiency and reliability.
- **Fire Flow Enhancements**: Upsize lines in key areas to ensure adequate fire protection across the town.
- **Exploration of Alternative Water Supply (AWS) Opportunities**: Provide additional 0.2-mgd capacity through emergency interconnects or similar solutions.

Timeline

- **2024**: Engineering and preliminary design.
- **2025**: Begin construction of new facilities and well testing.
- **2026**: Continue construction and begin system expansions.
- **2027**: Complete enhancements and finalize the AWS opportunities.

Expected Outcomes

- Enhanced water treatment capacity to meet current and future demands.
- Improved fire flow reliability and overall system resilience.
- Modernized infrastructure to support long-term sustainability of the town's water supply.

This project represents a critical investment in Eatonville’s infrastructure, ensuring a reliable and safe water supply for all residents and businesses.

Listed below is a Capital Improvement Plan (CIP) taken out of RevPlan, which can serve as a foundation for creating a more comprehensive CIP. This plan is instrumental in systematically scheduling the replacement of assets as they approach the end of their useful life. By utilizing RevPlan, you can efficiently prioritize and add projects to the CIP, ensuring that once current projects are completed or new issues arise, they are seamlessly integrated into the overall plan. This proactive approach helps in maintaining the integrity and functionality of the infrastructure, ensuring long-term sustainability and optimal performance of assets.

Eatonville
Eatonville 24
Fiscal Year: 2024
CIP Schedule

Description	Funding Source	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Water Asset Management Reserve	Water Revenues	$0	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000
Wastewater Collection	Wastewater Revenues	$0	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800
Water Tower	Water Revenues	$76,700	$83,600	$83,600	$83,600	$83,600	$18,500	$11,600	$11,600	$11,600	$11,600
Piping from Lake Weston to S. Keller	Grant	$122,000	$810,000	$0	$0	$0	$0	$0	$0	$0	$0
Abandon AC pipe to WTP	Grant	$264,000	$1,755,000	$0	$0	$0	$0	$0	$0	$0	$0
Upsize WTP to 16"	Grant	$0	$0	$213,000	$0	$0	$0	$0	$0	$0	$0
Modify CUP	Grant	$0	$0	$75,000	$0	$0	$0	$0	$0	$0	$0
Well Drowdown	Grant	$0	$0	$50,000	$0	$0	$0	$0	$0	$0	$0
Upsize Well Pumps and Motors	Grant	$0	$0	$150,000	$0	$0	$0	$0	$0	$0	$0
Construct 0.5MG GST	Grant	$0	$0	$150,000	$1,000,000	$0	$0	$0	$0	$0	$0
WTP Ops BLDG	Grant	$25,000	$25,000	$0	$600,000	$4,000,000	$0	$0	$0	$0	$0
Increase Main line Dimensions	Grant	$0	$0	$198,000	$1,320,000	$0	$0	$0	$0	$0	$0
LFA Well to AWS	Grant	$0	$0	$0	$0	$0	$400,000	$400,000	$400,000	$400,000	$400,000
Maitland Interconnect	Grant	$0	$0	$0	$0	$0	$25,000	$0	$0	$0	$0
Replace non-pvc 6" mains	Grant	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000
Vereen LS	Grant	$94,000	$332,500	$332,500	$0	$0	$0	$0	$0	$0	$0
Lake Lovely Rehab	Grant	$222,000	$1,669,000	$1,669,000	$0	$0	$0	$0	$0	$0	$0
Eastern Service Area Rehab	Grant	$0	$854,000	$4,268,000	$4,268,000	$4,268,000	$0	$0	$0	$0	$0
Pre-Eval New WTP	Grant	$0	$0	$0	$0	$130,000	$0	$0	$0	$0	$0

	Funding Source	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
	Water Revenues	$76,700	$93,600	$93,600	$93,600	$93,600	$28,500	$21,600	$21,600	$21,600	$21,600
	Wastewater Revenues	$0	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800
	Grant	$827,000	$5,545,500	$7,205,500	$7,288,000	$8,498,000	$525,000	$500,000	$500,000	$500,000	$500,000
	Total	$903,700	$5,692,900	$7,352,900	$7,435,400	$8,645,400	$607,300	$575,400	$575,400	$575,400	$575,400

Financial

The Town's funding comes from the sale of water and collection of wastewater along with other fees and taxes. The revenue from water sales funds the operational expenses and capital improvements. The Town currently serves approximately 783 customers within the Town's service area.

The following table shows the asset replacement costs for Eatonville's Drinking Water System.

Total Replacement Cost of System	
Drinking Water	$6,909,450.55
Percent of Assets Needing Replacement	
Drinking Water	1.8%
Cost of Replacing All Assets Needing Replacement	
Drinking Water	$ 124,076.17
Annual Replacement Cost of System	
Drinking Water	$ 114,204.11

Please note that the $6.9 million dollar replacement cost of the water system documented above, along with the annual replacement cost of $114,204 for the system is low. These figures do not include certain assets such as large equipment, vehicles, and some property improvements normally associated with maintaining a utility system.

The Town of Eatonville's current Drinking Water Rates and the revenue generated from those rates are as follows:

Base Charge Revenues	Meter Sizes	Base Charge	Number of Connections	Revenue
Drinking Water				
Residential				
Base Charges Inside City				
	5/8-inch	$8.75	662.00	$69,510.00
Commercial				
Base Charges Inside City				
	5/8-inch	$14.63	121.00	$21,242.76
Water 08				
Base Charges Inside City				
	5/8-inch	$72.01	1.00	$864.12
Water 64				
Base Charges Inside City				
	5/8-inch	$576.22	2.00	$13,829.28
Water 80				
Base Charges Inside City				
	5/8-inch	$720.29	2.00	$17,286.96
Subtotal				$122,733.12

Usage Charge Revenues	Gallon Range	Rate per Thousand Gallons	Monthly Water Sold (kgal)	Annual Revenue
Drinking Water				
Residential				
Usage Charges Inside City				
Block 1	0 to 1,000 gallons	$0.00	662.00	$0.00
Block 2	1,001 to 10,000 gallons	$1.70	1,887.25	$38,499.90
Block 3	10,001 gallons or more	$2.89	0.00	$0.00
Commercial				
Usage Charges Inside City				
Block 1	0 to 3,000 gallons	$0.00	363.00	$0.00
Block 2	3,001 to 10,000 gallons	$1.90	847.00	$19,311.60
Block 3	10,001 gallons or more	$2.74	2,086.42	$68,601.38
Water 08				
Usage Charges Inside City				
Block 1	0 to 3,000 gallons	$0.00	3.00	$0.00
Block 2	3,001 gallons or more	$1.90	25.00	$570.00
Water 64				
Usage Charges Inside City				
Block 1	0 to 3,000 gallons	$0.00	6.00	$0.00
Block 2	3,001 to 10,000 gallons	$1.76	14.00	$295.68
Block 3	10,001 gallons or more	$2.38	146.58	$4,186.42
Water 80				
Usage Charges Inside City				
Block 1	0 to 3,000 gallons	$0.00	6.00	$0.00
Block 2	3,001 to 10,000 gallons	$1.76	14.00	$295.68
Block 3	10,001 gallons or more	$2.38	220.50	$6,297.48
Subtotal				$138,058.14
Combined Revenue				
Drinking Water				
Base Charge Revenue				$122,733.12
Usage Charge Revenue				$138,058.14
Other Revenue				$87,473.00
Total				$348,264.26

Reserves

Reserve balances for utility systems are essential funds allocated for specific financial needs, projects, tasks, or legal obligations. These reserves play a critical role in managing current and future challenges, such as demand fluctuations, water supply costs, significant capital needs, asset replacements, natural disasters, and potential liabilities from infrastructure failures due to aging. Utilities must establish formal financial policies for reserves, defining how balances are set, their purposes, and how to determine their adequacy. Once established, these reserve targets should be reviewed annually during the budgeting process.

In the absence of a stated reserve policy from the system, FRWA's financial model increases the annual unrestricted reserve funding to cover 270 days of the current year's operation and maintenance budget. While there is no universal approach to building reserves, FRWA advises utilities not to fall below 90 days and encourages them to aim for reserves equivalent to or exceeding 270 days. Maintaining sufficient cash reserves is crucial for a utility's long-term financial health and resilience. Each utility has unique circumstances that should inform the selection of reserve types and policies that best meet its needs and goals.

FRWA recommends maintaining a reserve amount equivalent to 270 days of operational expenses. The town should target $787,009 in unrestricted funds to address the challenges mentioned above. According to the Revplan Model completed, the unrestricted reserve amount was $504,747. This amount gives the Town approximately 173 days cash on hand.

Rate Recommendation

Based on the preliminary financial sufficiency model developed by RevPlan, the annual asset investment requirement, the need to build cash reserves, and the water production reports and billing information, FRWA recommends that the System pursue the proposed rate increases presented below. A workshop is scheduled with the Finance Team with FRWA to discuss further details of these suggestions. In addition, FRWA encourages the System to review RevPlan, growth projections and Consumer Price Index (CPI) changes at least annually to determine if additional rate increases are needed as well as to pursue aggressively alternative revenue funding sources for the future capital projects identified in the Capital Improvements Plan.

Proposed Rate Adjustments										
	Fiscal Year									
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2032
Base Charge Adjustments										
Water	**0%**	**194%**	**1%**	**1%**	**1%**	**1%**	**1%**	**1%**	**1%**	**1%**
Usage Charge Adjustments										
Water	**0%**	**194%**	**1%**	**1%**	**1%**	**1%**	**1%**	**1%**	**1%**	**1%**

Raising water rates has become a necessary measure for the Town considering the substantial financial loss of $233,600 incurred last year. This deficit highlights the growing gap between the current rates and the actual costs of maintaining and operating the water system. Without an adjustment in rates, the town risks further financial instability, which could compromise essential services, delay critical infrastructure upgrades, and lead to increased future costs. By adjusting the rates now, the town can ensure the long-term sustainability of its Drinking Water services, safeguard public health, and maintain compliance with environmental regulations.

Listed Below is the Drinking Water Revenue Requirement information taken from RevPlan showing the need to strengthen the utilities position and revenue amounts.

Eatonville
Eatonville 24
Fiscal Year: 2024
Water Revenue Requirements

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Revenue Requirements:										
Operating Expenses	$505,100	$520,300	$535,900	$552,000	$568,500	$585,600	$603,200	$621,300	$639,900	$659,100
Debt Service	$0	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800
Other Expenses/Transfers	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Capital Expenditures	$76,700	$93,600	$93,600	$93,600	$93,600	$28,500	$21,600	$21,600	$21,600	$21,600
Gross Revenue Requirements	$581,900	$691,700	$707,300	$723,300	$739,900	$691,900	$702,600	$720,700	$739,300	$758,500
Less: Other Revenue	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500
Net Revenue Requirements	$494,400	$604,200	$619,800	$635,900	$652,400	$604,400	$615,100	$633,200	$651,800	$671,000
Existing Rate Sufficiency:										
Revenue from Existing Rates	$260,800	$260,800	$260,800	$260,800	$260,800	$260,800	$260,800	$260,800	$260,800	$260,800
Revenue Surplus/(Deficiency)	-$233,600	-$343,400	-$359,000	-$375,100	-$391,600	-$343,600	-$354,300	-$372,400	-$391,000	-$410,200

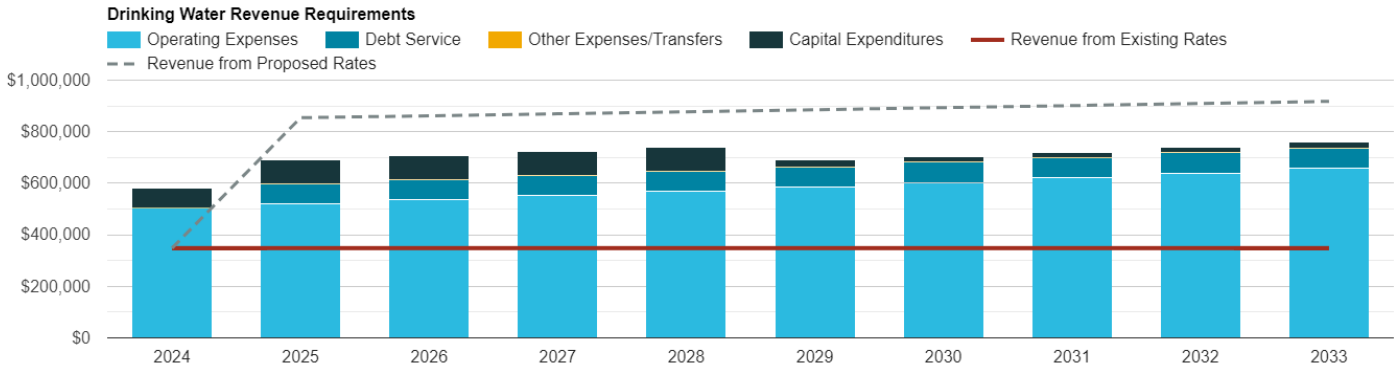
When considering rate increases, they must be established to satisfy the following:

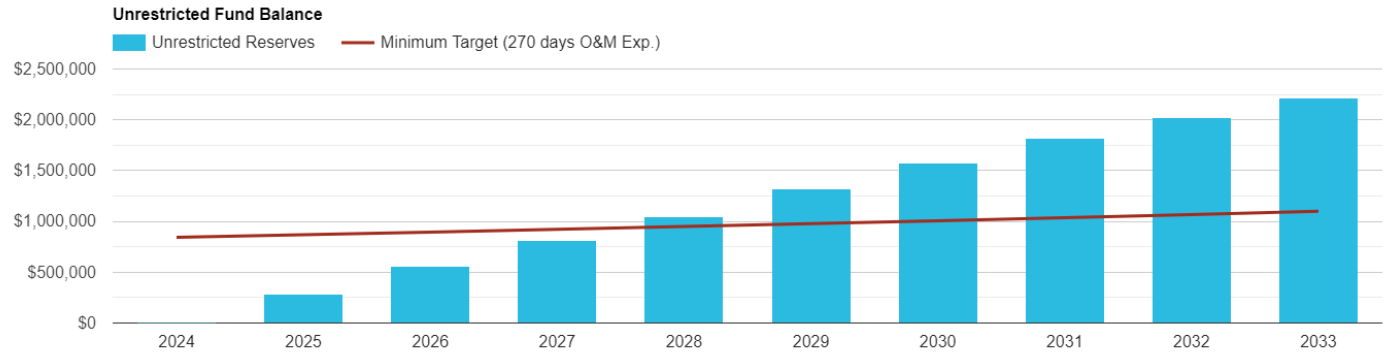
- The existing operational expenses;
- The existing debt service requirements;
- The annual replacement costs for the system and future capital improvement costs;
- The future debt needed to adequately replace and sustain the assets of the system;
- The annual reserve requirements; and,
- The need to preserve the existing amount of funds in retained earnings.

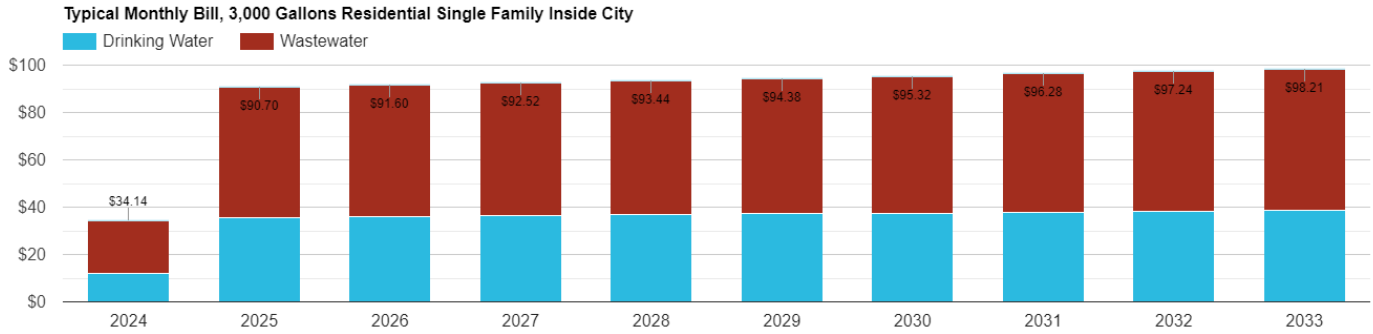
The proposed rate sufficiency from increases listed above will ensure the Town meets all the criteria necessary to satisfy the system's needs and ensure future obligations can be fulfilled.

Eatonville
Eatonville 24
Fiscal Year: 2024
Water Revenue Requirements

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Proposed Rate Sufficiency:										
Revenue from Proposed Rates	$260,800	$766,700	$774,400	$782,100	$790,000	$797,900	$805,800	$813,900	$822,000	$830,300
Increase in Revenue	$0	$505,900	$513,600	$521,300	$529,200	$537,100	$545,000	$553,100	$561,200	$569,500
Cumulative %										
All Customer Classes										
Base Charges	0.00%	194.00%	196.94%	199.91%	202.91%	205.94%	209.00%	212.09%	215.21%	218.36%
Usage Charges	0.00%	194.00%	196.94%	199.91%	202.91%	205.94%	209.00%	212.09%	215.21%	218.36%
Current Year %										
All Customer Classes										
Base Charges	0.00%	194.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Usage Charges	0.00%	194.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Revenue Surplus/(Deficiency)	-$233,600	$162,500	$154,600	$146,300	$137,500	$193,500	$190,700	$180,700	$170,200	$159,200







The RevPlan model information is located in appendix c and a new model should be created every year to make sure that the system's needs are being met.

Energy Management

Energy costs often make up twenty-five to thirty percent of a utility's total operation and maintenance costs. They also represent the largest controllable cost of providing water and wastewater services. EPA's "Ensuring a Sustainable Future: An Energy Management Guidebook for Wastewater and Water Utilities" provides details to support utilities in energy management and cost reduction by using the steps described in this guidebook. The Guidebook takes utilities through a series of steps to analyze their current energy usage, use energy audits to identify ways to improve efficiency and measure the effectiveness of energy projects.

Energy Conservation and Cost Savings

The Town should ensure all assets, not just those connected to a power source, are evaluated for energy efficiency. It is

highly recommended that staff conduct an energy assessment or audit. The following are common energy management initiatives the utility should implement going forward:

1. Load management
2. Replace weather-stripping and insulation on buildings.
3. Installation of insulated metal roofing over energy inefficient shingle roofing
4. On-demand water heaters
5. Variable frequency driven pumps and electrical equipment
6. Energy efficient infrastructure
7. LED lighting
8. Meg electric motors
9. MCC electrical lug thermal investigation
10. Flag underperforming assets for rehabilitation or replacement.

The above 10 energy saving initiatives are just a start and most can be accomplished in-house. A more comprehensive energy audit, conducted by an energy consultant/professional, is recommended to evaluate how much energy is consumed system-wide and identify measures that can be taken to utilize energy more efficiently.

With the cost of electricity rising, the reduction of energy use should be a priority for water providers. A key deliverable of an energy audit is a thorough analysis of the effect of overdesign on energy efficiency. Plants are designed to perform at maximum flow and loading conditions. Unfortunately, most plants are not efficient at average conditions. Aging infrastructure is another source of inefficient usage of energy in WTPs across the country. The justification for addressing aging infrastructure related energy waste is also included in the energy audit process.

Energy Audit Approach

An energy audit is intended to evaluate how much energy is consumed and identify measures that can be taken to utilize energy more efficiently. The primary goal is reducing power consumption and costs through physical and operational changes.

Each system will have unique opportunities to reduce energy use or cost depending on system specific changes and opportunities within the power provider's rate schedules. For example, an audit of an individual water treatment plant (WTP) will attempt to pinpoint wasted or unneeded facility energy consumption. It is recommended to perform an energy audit every two to three years to analyze a return on investment.

A water system energy audit approach checklist, similar to the one below, can be a useful tool to identify areas of potential concern and to develop a plan of action to resolve them. FRWA offers free Energy Assessments to our members and SRF recipients that are participating in the AMPFS program. Please contact your local Circuit Rider or FRWA team member to update.

Minimum Equipment Information to Gather	Additional Equipment Information to Gather	Conditions to Consider
• Pump style • Number of pump stages • Pump and motor speed(s) • Pump rated head (name plate) • Motor rated power and voltage (name plate) • Full load amps • Rated and actual pump discharge • Operation schedules	• Pump manufacturer's pump curves • Actual pump curve • Power factor • Load profile • Analysis of variable frequency drives (vfd's) if present • Pipe sizes • Water level (source) • Motor current • Pump suction pressure • Discharge pressure	• Maintenance records • Consistently throttled values • Excessive noise or vibrations • Buildup of sand and/or grit • Evidence of wear or cavitation on pump, impellers, or pump bearings. • Out-of-alignment conditions • Significant flow rate/ pressure variations • Active by-pass piping • Restrictions in pipes or pumps • Restrictive/leaking pump shaft packing

Listed below are the details that were found inside of the energy assessment that was completed for the Town of Eatonville. Unfortunately, the Town did not provide billing information to FRWA, so actual annual savings may differ from estimates.

An investment of $16,000 in variable frequency drives (VFDs), depending upon the highly variable cost of procuring the needed equipment, could potentially save the Town of Eatonville $12,156 annually against its drinking water treatment system total expenditures as detailed in the table below:

Cost Summary

Purchase Item	Estimated Cost	Estimated Annual Savings	Estimated Payback Period (years)	Estimated VFD HP	Service Life (years)
VFD for Well #1	$5,000	$2,685	1.9	40	20
VFD for Well #2	$5,000	$2,685	1.9	40	20
VFD for HSP #3	$6,000	$6,786	0.9	50	20
Total		**$16,000**		**$12,156**	

Conclusions

It has been a pleasure to work with Town staff and Associates. The creation of this Asset Management Plan Update would not have been possible without their corporation and hard work. Our conclusions are based on our observations during the data collection procedure, discussions with staff, reports from regulatory inspection data, and our experience related to similar assets.

Water Treatment and Well Fields

- Continue with scheduled upgrades and improvements in Phase 2 and 3 of Potable Water System

Recommendations with procured grants through CDBG and SRF programs.

Distribution System

- Continue with the Water Main Expansion / Replacement in Phase 1 and 3 of Potable Water System Recommendations
- Continue with the Tank Maintenance and annual Inspections as required by DEP.
- Repair / Replace 14 Poor and Very Poor Valves
- Replace 6 Failed Hydrants
- Repair / Replace 13 Poor and Very Poor Hydrants
- Locate and evaluate hydrant and system valves that were not able to be located and assessed.

General

- Adopt and Implement findings from rate study.
- An AM and GIS program should be implemented to maintain assets efficiently and effectively.
- Staff training on maintenance, safety, and use of the AM/GIS tool must be completed. (Diamond Maps can do this for you)
- Continue with the current O&M Plan
- Continue with the current Capital Improvement Plan
- Rates must be monitored to ensure adequate funding for operations and system improvements.
- Energy Management is recommended as well. Even small changes in energy use can result in large savings.
- **The Updated Asset Management Plan should be adopted by resolution.** This demonstrates the utility's commitment to the plan.

Funding Sources for Water and Wastewater Systems

The following table shows common funding sources, including web links and contact information. All municipal systems should be making the effort to secure funding, which can be in the form of low or no interest loans, grants, or a combination of both.

Agency/Program	Website	Contact
FDEP Drinking Water State Revolving Fund Program (DWSRF)	https://floridadep.gov/wra/srf/content/dwsrf-program	Eric Meyers eric.v.meyers@FloridaDEP.gov 850-245-2991
FDEP Clean Water State Revolving Fund Loan Program (CWSRF)	https://floridadep.gov/wra/srf/content/cwsrf-program	Mike Chase Michael.Chase@FloridaDEP.gov 850-245-2969
USDA Rural Development- Water and Wastewater Direct Loans and Grants	https://www.rd.usda.gov/programs-services/rural-economic-development-loan-grant-program https://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program	Jeanie Isler jeanie.isler@fl.usda.gov 352-338-3440
Economic Development Administration- Public Works and Economic Adjustment Assistance Programs	https://www.eda.gov/resources/economic-development-directory/states/fl.htm https://www.grants.gov/web/grants/view-opportunity.html?oppId=294771	Greg Vaday gvaday@eda.gov 404-730-3009
National Rural Water Association- Revolving Loan Fund	https://nrwa.org/initiatives/revolving-loan-fund/	Gary Williams Gary.Williams@frwa.net 850-668-2746
Florida Department of Economic Opportunity- Florida Small Cities Community Development Block Grant Program	http://www.floridajobs.org/community-planning-and-development/assistance-for-governments-and-organizations/florida-small-cities-community-development-block-grant-program	Roger Doherty roger.doherty@deo.myflorida.com 850-717-8417
Northwest Florida Water Management System - Cooperative Funding Initiative (CFI)	https://www.nwfwater.com/Water-Resources/Funding-Programs	Christina Coger Christina.Coger@nwfwater.com 850-539-5999

Closing

This Updated Asset Management and Fiscal Sustainability plan is presented to the Town of Eatonville for consideration and final adoption. Its creation would not be possible without the cooperation of the Utility staff and the Florida Department of Environmental Protection State Revolving Fund (FDEP-SRF).

As a valued FRWA member, it is our goal to help make the most effective and efficient use of your limited resources. The Updated Asset Management and Fiscal Sustainability Plan is an unbiased, impartial, independent review and is solely intended for achievement of drinking water fiscal sustainability and maintaining your valuable utility assets. The Florida Rural Water Association has enjoyed serving you and will happily assist The Town of Eatonville with any future projects to ensure your Asset Management Plan is a success.

Appendix A: Example Resolution

RESOLUTION NO. 2024-_____

A RESOLUTION OF THE TOWN OF EATONVILLE, APPROVING THE UPDATED TOWN OF EATONVILLE DRINKING WATER SYSTEM UTILITY ASSET MANAGEMENT AND FISCAL SUSTAINABILITY PLAN; AUTHORIZING THE CHIEF ADMINISTRATIVE OFFICER AND DEPARTMENT DIRECTOR TO TAKE ALL ACTIONS NECESSARY TO EFFECTUATE THE INTENT OF THIS RESOLUTION; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Florida Statutes provide for financial assistance to local government agencies to finance construction of the utility system improvements; and

WHEREAS, the Florida Department of Environmental Protection State Revolving Fund (SRF) has designated the Town of Eatonville Water System Improvements identified in the Asset Management and Fiscal Sustainability Plan Update, as potentially eligible for available funding; and

WHEREAS, as a condition of obtaining funding from the SRF, the Utility is required to implement an Asset Management and Fiscal Sustainability Plan for the Drinking Water System's Utility Improvements; and

WHEREAS, the Council of The Town of Eatonville has determined that approval of the attached Asset Management and Fiscal Sustainability Plan Update for the proposed improvements, in order to obtain necessary funding in accordance with SRF guidelines, is in the best interest of the Utility.

NOW, THEREFORE, BE IT RESOLVED BY TOWN OF EATONVILLE COUNCIL THE FOLLOWING:

Section 1. That the Council hereby approves the Updated Town of Eatonville Drinking Water Asset Management and Fiscal Sustainability Plan Update, attached hereto and incorporated by reference as a part of this Resolution.

Section 2. That the Chief Administrative Officer and Department Director are authorized to take all actions necessary to effectuate the intent of this Resolution and to implement the Updated Asset Management and Fiscal Sustainability Plan in accordance with applicable Florida law and Council direction in order to obtain funding from the SRF.

Section 3. That the Utility will annually evaluate existing rates to determine the need for any increase and will increase rates in accordance with the financial recommendation found in the Updated Asset Management and Fiscal Sustainability Plan or in proportion to the Utility's needs as determined by the Council in its discretion.

Section 4. That this Resolution shall become effective immediately upon its adoption.

PASSED AND ADOPTED on this_____day of_____, 2024.

TOWN OF EATONVILLE

_____
Mayor

ATTEST:

_____
Town Clerk

APPROVED AS TO FORM:

_____
Town of Eatonville Attorney

Appendix B: Master Asset List

System Valves									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wwValvInFac-1	500 s lake destiny	1986	25	Average	2030	Low Priority	28.61329	-81.3881	1200
wwValvInFac-4	campus view 5	1986	25	Average	2030	Low Priority	28.61256	-81.3938	1200
wwValvInFac-5	college st	1978	25	Average	2030	Low Priority	28.61872	-81.3818	1200
wwValvInFac-6	college st 2	1978	25	Average	2030	Low Priority	28.61877	-81.3818	1200
wwValvInFac-7	lemon/mosely	1997	25	Poor	2030	Low Priority	28.61765	-81.3806	400
wwValvInFac-8	s college 1	1997	25	Very Poor	2030	Low Priority	28.61766	-81.3816	1200
wwValvInFac-9	s college 2	1997	25	Poor	2030	Low Priority	28.61766	-81.3814	400
wwValvInFac-10	s college 3	1997	25	Average	2030	Low Priority	28.61763	-81.3814	1200
wwValvInFac-11	college/orange 1	1997	25	Poor	2030	Low Priority	28.61699	-81.3814	400
wwValvInFac-12	college/orange 2	1997	25	Average	2030	Low Priority	28.61697	-81.3814	1200
wwValvInFac-13	college	1997	25	Average	2030	Low Priority	28.61646	-81.3814	1200
wwValvInFac-14	college 2	1997	25	Very Poor	2030	Low Priority	28.61643	-81.3814	1200
wwValvInFac-15	college/lime	1997	25	Poor	2030	Low Priority	28.6161	-81.3814	1200
wwValvInFac-17	clark 1	1978	25	Poor	2030	Low Priority	28.61947	-81.3805	400
wwValvInFac-19	gabrial	1978	25	Poor	2030	Low Priority	28.61847	-81.384	1200
wwValvInFac-20	katherine	1986	25	Average	2030	Low Priority	28.61553	-81.3955	1200
wwValvInFac-21	katherine 2	1986	25	Very Poor	2030	Low Priority	28.6155	-81.3961	1200
wwValvInFac-22	campus view	1986	25	Average	2030	Low Priority	28.61459	-81.3938	1200
wwValvInFac-23	campus view 2	1986	25	Average	2030	Low Priority	28.61373	-81.3938	1200
wwValvInFac-24	campus view 3	1986	25	Average	2030	Low Priority	28.61342	-81.3938	1200
wwValvInFac-25	campus view 4	1986	25	Average	2030	Low Priority	28.61318	-81.3938	1200
wwValvInFac-26	sunnyview	1986	25	Average	2030	Low Priority	28.61318	-81.3936	1200
wwValvInFac-27	carver/samuel 1	1986	25	Very Poor	2030	Low Priority	28.61637	-81.3952	1200
wwValvInFac-28	carver/samuel 2	1986	25	Very Poor	2030	Low Priority	28.61635	-81.3952	1200
wwValvInFac-29	carver/samuel 3	1986	25	Average	2030	Low Priority	28.61634	-81.3952	1200
wwValvInFac-30	samuel/hungerford 1	1986	25	Very Poor	2030	Low Priority	28.61725	-81.3952	1200
wwValvInFac-31	samuel/hungerford 2	1986	25	Average	2030	Low Priority	28.61724	-81.3952	1200
wwValvInFac-32	samuel/hungerford 3	1986	25	Average	2030	Low Priority	28.6172	-81.3952	1200
wwValvInFac-33	park pl	1986	25	Poor	2030	Low Priority	28.6199	-81.3912	400
wwValvInFac-34	lincoln 2	1986	25	Very Poor	2030	Low Priority	28.61962	-81.3923	1200
wwValvInFac-35	clark/college	1978	25	Poor	2030	Low Priority	28.61955	-81.3818	1200
wwValvInFac-36	orange/mosely	1997	25	Average	2030	Medium/High Priority	28.61696	-81.3805	800
wwValvInFac-37	ruffell/mosely	1997	25	Poor	2030	Medium/High Priority	28.61496	-81.3804	1200
wwValvInFac-38	kennedy/lincoln	1986	25	Poor	2030	Medium/High Priority	28.61855	-81.3923	1200

System Valves									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wwValvInFac-39	kennedy/washington	1986	25	Average	2030	Low Priority	28.61857	-81.3931	1200
wwValvInFac-40	kennedy/deacon jones	1986	25	Average	2030	Low Priority	28.61859	-81.3939	1200
wwValvInFac-41	kennedy/samuel	1986	25	Average	2030	Low Priority	28.61847	-81.3952	1200
wwValvInFac-42	kennedy/campus view	1986	25	Average	2030	Low Priority	28.61847	-81.3944	1200
wwValvInFac-43	kennedy/bethune	1986	25	Poor	2030	Medium/High Priority	28.61852	-81.3915	1200
wwValvInFac-44	s lake destiny drive	1986	25	Average	2030	Low Priority	28.61775	-81.3886	1200
wwValvInFac-45	s lake destiny 2	1986	25	Average	2030	Low Priority	28.61836	-81.3886	1200
wwValvInFac-46	s lake destiny 3	1986	25	Average	2030	Low Priority	28.61835	-81.3887	1200
wwValvInFac-47	s lake destiny 2	1986	25	Average	2030	Low Priority	28.61835	-81.3887	1200
wwValvInFac-48	997 w kennedy	1986	25	Average	2030	Low Priority	28.61866	-81.4063	1200
wwValvInFac-50	2061 eaton	1986	25	Average	2030	Low Priority	28.62094	-81.3859	1200
wwValvInFac-51	wymore 1	1986	25	Average	2030	Low Priority	28.62095	-81.3859	1200
wwValvInFac-52	s calhoun	1997	25	Average	2030	Low Priority	28.61806	-81.3796	1200
wwValvInFac-53	eaton 1	1978	25	Average	2030	Low Priority	28.62055	-81.382	1200
wwValvInFac-54	eaton 2	1978	25	Average	2030	Low Priority	28.62054	-81.382	1200
wwValvInFac-55	bethune	1986	25	Failed	2030	Low Priority	28.62006	-81.3914	1200
wwValvInFac-57	washington ave	1978	25	Average	2030	Medium/High Priority	28.62031	-81.3931	1200
wwValvInFac-58	deacon jones	2013	25	Poor	2030	Medium Priority	28.62033	-81.3939	1200
wwValvInFac-59	eaton	1978	25	Average	2030	Low Priority	28.62045	-81.3819	1200
wwValvInFac-60	eaton 2	1978	25	Average	2030	Low Priority	28.62041	-81.3819	1200
wwValvInFac-61	eaton 5	1978	25	Average	2030	Low Priority	28.62043	-81.3818	1200
wwValvInFac-62	eaton	1978	25	Average	2030	Low Priority	28.62063	-81.3819	1200
wwValvInFac-63	mulberry/eaton 1	1978	25	Average	2030	Low Priority	28.62036	-81.3802	1200
wwValvInFac-64	mulberry/eaton 2	1978	25	Average	2030	Low Priority	28.62035	-81.3803	1200
wwValvInFac-65	west 1	1997	25	Average	2030	Low Priority	28.6174	-81.3778	1200
wwValvInFac-66	west 2	1997	25	Average	2030	Low Priority	28.61739	-81.3778	1200
wwValvInFac-67	lime 1	1997	25	Poor	2030	Low Priority	28.61629	-81.3776	1200
wwValvInFac-68	lime 2	1997	25	Very Poor	2030	Low Priority	28.6163	-81.3776	1200
wwValvInFac-69	west 3	1997	25	Very Poor	2030	Low Priority	28.61634	-81.3777	1200
wwValvInFac-70	west 4	1997	25	Average	2030	Low Priority	28.61632	-81.3777	1200
wwValvInFac-71	lime/people	1997	25	Average	2030	Low Priority	28.6163	-81.377	1200
wwValvInFac-72	lime/people 2	1997	25	Average	2030	Low Priority	28.61628	-81.3769	1200
wwValvInFac-73	lime/people 3	1997	25	Poor	2030	Low Priority	28.61632	-81.3769	1200
wwValvInFac-74	lime/taylor	1997	25	Poor	2030	Low Priority	28.61634	-81.3762	400
wwValvInFac-75	lime/taylor 2	1997	25	Average	2030	Low Priority	28.61635	-81.3762	1200
wwValvInFac-76	clark/calhoun	1978	25	Very Poor	2030	Low Priority	28.61947	-81.3793	1200
wwValvInFac-77	clark/west	1978	25	Average	2030	Low Priority	28.61949	-81.3778	1200
wwValvInFac-78	clark/east	1978	25	Average	2030	Low Priority	28.61948	-81.3759	1200
wwValvInFac-79	clark/east 2	1978	25	Average	2030	Low Priority	28.61951	-81.3759	1200

System Valves									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wwValvInFac-80	eaton/east	1978	25	Average	2030	Medium/High Priority	28.62037	-81.3757	1600
wwValvInFac-81	eaton/east 2	1978	25	Average	2030	Medium/High Priority	28.62032	-81.3758	800
wwValvInFac-82	eaton/west	1978	25	Average	2030	Low Priority	28.62028	-81.3778	1200
wwValvInFac-83	eaton/calhoun 1	1978	25	Poor	2030	Low Priority	28.62022	-81.3793	1200
wwValvInFac-84	eaton/calhoun 2	1978	25	Poor	2030	Low Priority	28.62027	-81.3794	1200
wwValvInFac-85	kennedy/east	1997	25	Poor	2030	Low Priority	28.61821	-81.3757	1200
wwValvInFac-86	kennedy/east 2	1978	25	Average	2030	Low Priority	28.61862	-81.3757	1200
wwValvInFac-87	kennedy/east 3	1978	25	Average	2030	Low Priority	28.6186	-81.3758	1200
wwValvInFac-88	orange/calhoun	1997	25	Average	2030	Low Priority	28.61694	-81.3796	1200
wwValvInFac-89	kennedy/taylor	1997	25	Poor	2030	Low Priority	28.61847	-81.3764	1200
wwValvInFac-90	west 1	1997	25	Poor	2030	Low Priority	28.6182	-81.3777	1200
wwValvInFac-91	west 2	1997	25	Average	2030	Low Priority	28.61837	-81.3777	1200
wwValvInFac-92	kennedy/west	1997	25	Poor	2030	Low Priority	28.61845	-81.3777	1200
wwValvInFac-93	kennedy/west 2	1978	25	Average	2030	Low Priority	28.61857	-81.3778	1200
wwValvInFac-94	elizabeth/lime	1997	25	Very Poor	2030	Low Priority	28.61638	-81.3788	1200
wwValvInFac-95	elizabeth/lime 2	1997	25	Average	2030	Low Priority	28.61636	-81.3786	1200
wwValvInFac-96	calhoun/lemon	1997	25	Average	2030	Low Priority	28.61753	-81.3796	1200
wwValvInFac-97	ruffell	1997	25	Average	2030	Medium/High Priority	28.61496	-81.3796	1600
wwValvInFac-98	ruffell/calhoun 1	1997	25	Very Poor	2030	Low Priority	28.615	-81.3797	1200
wwValvInFac-99	ruffell/calhoun 2	1997	25	Average	2030	Medium/High Priority	28.61496	-81.3796	1200
wwValvInFac-100	west/ruffell 1	1997	25	Average	2030	Low Priority	28.61496	-81.3776	1200
wwValvInFac-101	ruffell west 2	1997	25	Very Poor	2030	Low Priority	28.61503	-81.3776	1200
wwValvInFac-102	ruffell/west 3	1997	25	Very Poor	2030	Low Priority	28.61519	-81.3777	1200
wwValvInFac-103	ruffell/west 4	1997	25	Average	2030	Low Priority	28.6152	-81.3777	1200
wwValvInFac-104	ruffell/west 5	1997	25	Poor	2030	Low Priority	28.61522	-81.3776	1200
wwValvInFac-105	people/ruffell	1997	25	Poor	2030	Low Priority	28.61522	-81.3769	1200
wwValvInFac-106	ruffell/taylor	1997	25	Poor	2030	Low Priority	28.61523	-81.3763	1200
wwValvInFac-107	west/wigham	1997	25	Average	2030	Low Priority	28.61445	-81.3777	1200
wwValvInFac-108	west/wigham 2	1997	25	Average	2030	Low Priority	28.61439	-81.3776	1200
wwValvInFac-109	west/vereen 1	1997	25	Average	2030	Low Priority	28.61381	-81.3776	1200
wwValvInFac-110	west/vereen 2	1997	25	Very Poor	2030	Low Priority	28.6138	-81.3776	1200
wwValvInFac-111	west/ vereen 3	1997	25	Poor	2030	Low Priority	28.61384	-81.3776	1200

System Valves									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wwValvInFac-112	jonetey 1	1997	25	Poor	2030	Low Priority	28.61246	-81.3762	1200
wwValvInFac-113	jonetey 2	1997	25	Very Poor	2030	Low Priority	28.61239	-81.3762	1200
wwValvInFac-114	kennedy/calhoun	1978	25	Average	2030	Low Priority	28.61856	-81.3793	1200

Pumps									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wPump-17	HSP 1	1981	25	Average	2030	Low Priority	28.61812	-81.3804	5000
wPump-18	Well 2 pump	2006	25	Average	2030	Low Priority	28.61381	-81.3796	12000
wPump-19	Well 1 pump	2006	25	Average	2035	Medium/High Priority	28.61378	-81.3789	12000
wPump-20	HSP 2	1981	25	Average	2035	Low Priority	28.61813	-81.3804	5000
wPump-21	HSP 3	2000	25	Average	2035	Low Priority	28.61812	-81.3803	5000
wPump-22	Chlorine Pump1	2015	15	Average	2030	Low Priority	28.61806	-81.3804	700
wPump-23	Chlorine Pump2	2015	15	Average	2030	Low Priority	28.61806	-81.3804	700

Electrical Equipment									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wInC-13	Scada	2006	20	Good	2036	Medium Priority	28.61814	-81.3804	4500
wInC-14	Scada	2007	25	Average	2035	Medium/High Priority	28.61378	-81.3788	4500
wElec-29	well 2 disconnect	2006	25	Average	2030	Medium Priority	28.61382	-81.3795	500
wElec-30	Control panel	2007	25	Average	2035	Medium/High Priority	28.61378	-81.3789	5000
wElec-31	ATS	2007	25	Average	2035	Medium/High Priority	28.61378	-81.3789	5000
wElec-32	Well Generator	2007	30	Good	2043	Medium Priority	28.61375	-81.3789	30000
wElec-33	HSP2 Controls	2018	20	Good	2036	Medium Priority	28.61809	-81.3804	5000
wElec-34	HSP1 Control	2018	20	Good	2036	Medium Priority	28.61808	-81.3804	5000
wElec-35	HSP3 Control	2002	20	Average	2032	Medium/High Priority	28.61809	-81.3803	5000
wElec-36	WTP Generator	2003	30	Average	2037	Medium/High Priority	28.61812	-81.3803	75000
wElec-37	ATS	2018	25	Average	2035	Medium/High Priority	28.61809	-81.3804	10000
wElec-38	Power Supply	2006	25	Average	2035	Medium/High Priority	28.6181	-81.3804	15000

Motors									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wMotor-10	Well 2 Motor	2007	25	Average	2030	Medium Priority	28.61382	-81.3796	7500
wMotor-11	Well 1 Motor	2007	25	Average	2035	Medium/High Priority	28.61378	-81.3789	7500
wMotor-12	HSP 1 Motor	2002	25	Average	2035	Medium Priority	28.61813	-81.3804	7500
wMotor-13	HSP 2 Motor	2002	25	Average	2035	Medium Priority	28.61811	-81.3804	5000
wMotor-14	HSP 3 Motor	2000	25	Average	2035	Medium Priority	28.61813	-81.3803	5000

Treatment Equipment									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wTreatEquip-5	Chlorine Tank 1	2015	25	Average	2035	Low Priority	28.61807	-81.3804	500
wTreatEquip-6	Chlorine Tank 2	2015	25	Average	2035	Low Priority	28.61807	-81.3804	500
wTreatEquip-7	Aerator	2002	25	Average	2035	Medium Priority	28.61795	-81.3803	25000

Facility Valves									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wFacilVavle-10	hsp #1 inlet	2005	25	Very Poor	2020	Medium/High Priority	0	0	1600
wFacilVavle-11	hsp #1 check	2007	25	Poor	2025	Medium/High Priority	0	0	1600
wFacilVavle-12	hsp #1 discharge	2005	25	Average	2030	Medium Priority	0	0	1600
wFacilVavle-13	hsp #2 inlet	2007	25	Very Poor	2020	Medium/High Priority	0	0	1600
wFacilVavle-14	hsp #2 check	2007	25	Poor	2025	Medium/High Priority	0	0	1600
wFacilVavle-15	hsp #2 discharge	2006	25	Excellent	2040	Low Priority	0	0	1600
wFacilVavle-16	hsp #3 inlet	1999	25	Average	2030	Medium Priority	0	0	1600
wFacilVavle-17	hsp #3 check	2015	25	Excellent	2040	Low Priority	0	0	1600
wFacilVavle-18	hsp #3 discharge	2007	25	Average	2030	Medium Priority	0	0	1600
wFacilVavle-19	valve to gst	2007	25	Average	2030	Medium Priority	0	0	1600
wEquip-12	Eye Wash/Shower	2006	15	Poor	2027	Medium/High Priority	28.61795	-81.3804	900

Fire Hydrants									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wHyd-1	538 West Kennedy	1986	50	Average	2042	Medium/High Priority	28.61844	-81.3952	3500
wHyd-2	112 Deacon Jones	2013	50	Average	2042	Medium/High Priority	28.62037	-81.3939	3500
wHyd-3	108 Washington St	1978	50	Average	2038	Low Priority	28.62034	-81.3931	3500
wHyd-4	117 Lincoln	2013	50	Average	2042	Medium/High Priority	28.62034	-81.3923	3500
wHyd-5	142 lincoln	1976	50	Poor	2032	Medium/High Priority	28.62113	-81.3923	3500
wHyd-6	100 bethune	1976	50	Poor	2032	Medium/High Priority	28.62005	-81.3913	3500
wHyd-7	403 e kennedy	1978	50	Poor	2032	Medium/High Priority	28.6186	-81.3794	3500
wHyd-8	calhoun/eaton	1975	50	Average	2035	Low Priority	28.62021	-81.3793	3500
wHyd-9	130 eaton st	2021	50	Good	2052	Medium Priority	28.62048	-81.382	3500
wHyd-10	100 eaton st	1977	50	Failed	2017	High Priority	28.62051	-81.3838	3500
wHyd-11	belair/wymore	1991	50	Average	2041	Low Priority	28.62035	-81.3858	3500
wHyd-12	116 mulberry	1995	50	Average	2042	Medium/High Priority	28.62094	-81.3802	3500
wHyd-13	2061 eaton	1973	50	Failed	2023	Low Priority	28.62092	-81.3858	3500
wHyd-14	535 Samual st	1986	50	Poor	2032	Medium/High Priority	28.61733	-81.3952	3500
wHyd-15	535 Carver Blvd	1986	50	Average	2036	Low Priority	28.6164	-81.3951	3500
wHyd-16	72 Hungerford Blvd	1986	50	Average	2036	Low Priority	28.61718	-81.3943	3500
wHyd-17	443 West Kennedy/Deacon Jones	1988	50	Average	2038	Low Priority	28.61862	-81.394	3500
wHyd-18	2 Washington St/433 Kennedy	1991	50	Average	2041	Low Priority	28.61869	-81.3931	3500
wHyd-19	606 w Kennedy	1976	50	Poor	2032	Medium/High Priority	28.61847	-81.3963	3500
wHyd-20	26 bethune	1989	50	Average	2039	Low Priority	28.61928	-81.3915	3500
wHyd-21	W Kennedy/Bethune	1991	50	Failed	2017	High Priority	28.61855	-81.3913	3500
wHyd-22	307 Clark St	1977	50	Average	2027	Low Priority	28.61948	-81.3805	3500
wHyd-23	152 johnson st	1978	50	Average	2028	Low Priority	28.6194	-81.3829	3500
wHyd-24	25 gabriel	1976	50	Average	2042	Medium/High Priority	28.61887	-81.384	3500
wHyd-25	kennedy/wymore	1982	50	Poor	2032	Medium/High Priority	28.61845	-81.386	3500

Fire Hydrants									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wHyd-26	college/lemon	2006	50	Average	2056	Low Priority	28.61766	-81.3815	3500
wHyd-27	275 college	1975	50	Average	2025	Low Priority	28.61648	-81.3814	3500
wHyd-28	163 ruffell	1991	50	Average	2041	Low Priority	28.61498	-81.3812	3500
wHyd-29	200 s lake destiny	1999	50	Failed	2017	High Priority	28.61716	-81.3887	3500
wHyd-30	199 s lake destiny	2006	50	Good	2056	Low Priority	28.61702	-81.3885	3500
wHyd-31	251 s lake destiny	1997	50	Average	2042	Medium/High Priority	28.61644	-81.3885	3500
wHyd-32	380 s lake destiny	1999	50	Average	2042	Medium/High Priority	28.61595	-81.3886	3500
wHyd-33	350 s lake destiny	1983	50	Very Poor	2022	Medium/High Priority	28.61458	-81.3885	3500
wHyd-34	500 s lake destiny	1983	50	Failed	2017	High Priority	28.61332	-81.3881	3500
wHyd-35	555 s lake destiny	1988	50	Average	2042	Medium/High Priority	28.6118	-81.3879	3500
wHyd-36	318 campus view	1988	50	Very Poor	2022	Medium/High Priority	28.6139	-81.3938	3500
wHyd-37	263 amador	1983	50	Poor	2032	Medium/High Priority	28.61461	-81.3926	3500
wHyd-38	435 sunnyview	1985	50	Very Poor	2022	Medium/High Priority	28.61306	-81.3925	3500
wHyd-39	greensends st	1977	50	Very Poor	2022	Medium/High Priority	28.61192	-81.3915	3500
wHyd-40	414 campus view	1986	50	Average	2042	Medium/High Priority	28.61254	-81.3938	3500
wHyd-41	526 katherine ave	1986	50	Average	2036	Low Priority	28.6155	-81.3953	3500
wHyd-42	660 w kennedy blvd	1976	50	Average	2042	Medium/High Priority	28.61715	-81.397	3500
wHyd-43	12 mustard seed	2017	50	Average	2042	Medium/High Priority	28.61755	-81.3982	3500
wHyd-44	mustard seed	2011	50	Average	2042	Medium/High Priority	28.61678	-81.3981	3500
wHyd-45	800 w kennedy (east)	1982	50	Average	2032	Low Priority	28.6183	-81.3991	3500
wHyd-46	100 w kennedy	1973	50	Average	2033	Low Priority	28.61826	-81.3876	3500
wHyd-47	200 e kennedy	1991	50	Average	2041	Low Priority	28.61824	-81.3819	3500
wHyd-48	15 clark	1992	50	Average	2042	Medium/High Priority	28.61956	-81.385	3500
wHyd-49	s lake destiny dr	1980	50	Poor	2032	Medium/High Priority	28.6199	-81.3872	3500
wHyd-50	West/E Kennedy	2006	50	Average	2042	Medium/High Priority	28.61884	-81.3778	3500
wHyd-51	Clark/East	1976	50	Average	2042	Medium/High Priority	28.6195	-81.3759	3500

Fire Hydrants									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wHyd-52	516 Eaton	1978	50	Average	2042	Medium/High Priority	28.62029	-81.3771	3500
wHyd-53	549 e kennedy	1991	50	Average	2041	Low Priority	28.61862	-81.3758	3500
wHyd-54	220 s calhoun	1978	50	Average	2042	Medium/High Priority	28.61501	-81.3797	3500
wHyd-55	108 s calhoun	1978	50	Very Poor	2022	Medium/High Priority	28.61681	-81.3796	3500
wHyd-56	200 ruffell st	1973	50	Average	2023	Low Priority	28.61499	-81.3778	3500
wHyd-57	500 west ave	1995	50	Average	2045	Low Priority	28.61445	-81.3776	3500
wHyd-58	503 west ave	1976	50	Average	2042	Medium/High Priority	28.61384	-81.3776	3500
wHyd-59	535 berthann	1979	50	Failed	2017	High Priority	28.61254	-81.3762	3500
wHyd-60	525 west ave	1991	50	Average	2041	Low Priority	28.61632	-81.3776	3500
wHyd-61	140 west ave	1978	50	Average	2042	Medium/High Priority	28.6174	-81.3778	3500
wHyd-62	543 lime	2021	50	Good	2052	Medium Priority	28.61636	-81.3762	3500
wHyd-63	1101 w kennedy	1986	50	Average	2036	Low Priority	28.61856	-81.4068	3500
wHyd-64	997 w kennedy	1980	50	Average	2042	Medium/High Priority	28.61865	-81.4063	3500
wHyd-65	995/997 w kennedy	1987	50	Average	2042	Medium/High Priority	28.61865	-81.4047	3500
wHyd-66	995 w kennedy	1988	50	Average	2042	Medium/High Priority	28.61863	-81.403	3500
wHyd-67	800 w kennedy (west)	1982	50	Average	2032	Low Priority	28.61829	-81.4005	3500
wHyd-68	403 e kennedy	1992	50	Average	2042	Medium/High Priority	28.61802	-81.3795	3500

Wells									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wWell-1	Well 2-A	2005	50	Average	2042	Medium/High Priority	28.61379	-81.3796	500000
wWell-2	Well 1-A	2005	50	Average	2042	Low Priority	28.61377	-81.3789	500000

Control Valves									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wControlValve-1	Well 1 ARV	2007	25	Average	2035	Medium Priority	28.61378	-81.3789	650
wControlValve-2	Well 1 Check	2006	25	Average	2035	Medium Priority	28.61378	-81.3789	1200

Control Valves									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wControlValve-3	ARV Well 2	2007	25	Average	2035	Medium Priority	28.6138	-81.3795	650
wControlValve-4	Well 2 Check	2007	20	Average	2032	Medium/High Priority	28.6138	-81.3795	1200

Buildings and Storage Tanks									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
BLDG1	wtp	2006	50	Average	2046	Medium/High Priority	28.61815	-81.3804	86250
BLDG2	fluoride building (abandoned?)	2000	25	Average	2034	Medium/High Priority	28.61795	-81.3804	1
wStorTank-1	ground storage tank	2006	50	Average	2042	Medium Priority	28.61798	-81.3803	500000
wStorTank-2	elevated storage tank	2006	50	Good	2052	Low Priority	28.61797	-81.3802	1
wStorTank-3	elevated tank 2	1970	50	Good	2052	Medium Priority	28.61708	-81.3973	1000000

Utility Meters								
Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Well 1 flow meter	2006	15	Average	2030	Medium Priority	28.61378	-81.379	1200
well 2 flow meter	2016	15	Average	2024	Medium/High Priority	28.6138	-81.3795	1200
WTP Meter	2009	15	Average	2030	Medium Priority	28.61809	-81.3803	2500

Water Mains										
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Length	Replacement Cost
wMain-1	Distribution Water Main	1970	100	Average	2042	Medium/High Priority	28.62155	-81.3926	783.7	39969
wMain-2	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.62008	-81.3938	1091.2	55651
wMain-3	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61855	-81.3911	2109.1	103178
wMain-4	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.62007	-81.3931	1090.4	55610
wMain-5	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.62006	-81.3922	1087.3	55452
wMain-6	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.62004	-81.3914	1089	55539

Water Mains										
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Length	Replacement Cost
wMain-7	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61992	-81.3911	162.8	8303
wMain-8	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.6192	-81.3909	325.3	16590
wMain-9	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.6202	-81.3842	633.3	32298
wMain-10	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.62061	-81.3819	1348.1	72012
wMain-11	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.62043	-81.3817	824.2	42417
wMain-12	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.62056	-81.3838	35.6	1816
wMain-13	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61588	-81.3943	1078.2	57146
wMain-14	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61552	-81.3975	1107.7	57253
wMain-15	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61719	-81.3952	321.9	36516
wMain-16	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61846	-81.3955	1558.9	106678
wMain-17	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61758	-81.3981	705	35955
wMain-18	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61583	-81.3978	760.4	21548
wMain-19	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61837	-81.3991	54.3	2769
wMain-20	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61459	-81.3939	1589.1	78637
wMain-21	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61394	-81.3925	1012.6	51643
wMain-22	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61315	-81.3926	1121.3	56228
wMain-23	Distribution Water Main	1970	100	Average	2042	Medium/High Priority	28.6118	-81.3905	1253.5	85238
wMain-24	Water DIstribution Main	1970	100	Average	2042	Medium/High Priority	28.61193	-81.3919	350.7	18197

Water Mains										
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Length	Replacement Cost
wMain-25	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61388	-81.3885	1626.5	110602
wMain-26	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61833	-81.3893	2253.4	151157
wMain-27	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61653	-81.3885	843.4	57576
wMain-28	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61843	-81.386	1291.2	65851
wMain-29	Water DIstribution Main	1970	100	Average	2042	Medium/High Priority	28.6197	-81.3872	904.8	46145
wMain-30	Water DIstribution Main	1970	100	Average	2042	Medium/High Priority	28.61819	-81.3825	1692	87154
wMain-31	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61766	-81.3815	1243.5	64923
wMain-32	Water DIstribution Main	1970	100	Average	2042	Medium/High Priority	28.61496	-81.3804	548.2	28137
wMain-34	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61695	-81.38	575.7	19574
wMain-35	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61605	-81.38	563.2	9612
wMain-36	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61551	-81.3804	402	20808
wMain-37	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61651	-81.3804	327.3	5564
wMain-38	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.6206	-81.384	2546.7	129882
wMain-39	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61959	-81.3854	275.5	14051
wMain-40	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61845	-81.3812	1396.7	71232
wMain-41	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61942	-81.3799	1949.7	99435
wMain-42	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.62035	-81.3819	349.1	17804

Water Mains										
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Length	Replacement Cost
wMain-43	Water DIstribution Main	1970	100	Average	2042	Medium/High Priority	28.61892	-81.3818	383.2	19543
wMain-44	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.62035	-81.3828	827.2	42187
wMain-45	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61762	-81.3797	584.1	52964
wMain-46	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61844	-81.4025	2832	144432
wMain-47	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61853	-81.403	65.2	3325
wMain-48	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61854	-81.4047	76.9	3922
wMain-49	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61854	-81.4063	78.4	3998
wMain-50	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61849	-81.4068	43.7	2229
wMain-51	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61837	-81.4005	57.2	2917
wMain-52	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61636	-81.3786	609.6	21512
wMain-53	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61628	-81.3777	707	36057
wMain-54	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61751	-81.379	589.8	20427
wMain-55	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61722	-81.3786	414.5	14498
wMain-56	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61633	-81.3767	662.4	22522
wMain-57	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.62035	-81.3793	295.2	26959
wMain-58	Water DIstribution Main	1970	100	Average	2042	Medium/High Priority	28.61946	-81.3793	653.1	33308
wMain-59	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61943	-81.3778	623.9	31819

Water Mains										
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Length	Replacement Cost
wMain-60	Water DIstribution Main	1970	100	Average	2042	Medium/High Priority	28.62027	-81.3791	165.2	8425
wMain-61	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.62032	-81.3764	1007.3	68496
wMain-62	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61992	-81.3757	307.6	10458
wMain-63	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61358	-81.3776	691.6	35272
wMain-64	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61404	-81.3758	1443.6	74297
wMain-65	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61177	-81.3758	697.7	36689
wMain-66	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61247	-81.3758	228.3	11643
wMain-67	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.6163	-81.3756	39.9	1357
wMain-68	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61717	-81.377	992.9	50638
wMain-69	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61823	-81.377	186.9	9532
wMain-70	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61739	-81.3773	228.3	3881
wMain-71	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61741	-81.3764	789.6	40270
wMain-72	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61859	-81.3777	1270	64770
wMain-73	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61949	-81.3767	992.7	50628
wMain-74	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61522	-81.3766	432.2	21701
wMain-75	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61578	-81.3763	402.4	20074
wMain-76	Water DIstribution Main	1970	100	Average	2042	Medium/High Priority	28.61768	-81.3777	574.1	29279

Water Mains										
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Length	Replacement Cost
wMain-77	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61496	-81.3786	619	52615
wMain-78	Water DIstribution Main	1970	100	Average	2042	Medium/High Priority	28.61309	-81.3766	646.5	32972
wMain-79	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61625	-81.3796	1318.2	67228
wMain-80	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61848	-81.3767	656.5	33482
wMain-81	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61742	-81.3756	788.9	40234
wMain-82	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61722	-81.3952	471.1	36516
wMain-83	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61714	-81.3952	33.2	36516
wMain-84	Water Distribution Main	1970	100	Average	2042	Medium/High Priority	28.61686	-81.3961	721.2	36516

Hydrant Valves									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wwValvInFac-1	45	1983	25	Average	2034	Medium Priority	28.61329	-81.3881	1200
wwValvInFac-2	43	1983	25	Poor	2029	Medium/High Priority	28.61596	-81.3886	1200
wwValvInFac-3	40	1999	25	Average	2034	Medium Priority	28.61716	-81.3887	1200
wwValvInFac-4	55	1986	25	Average	2034	Medium Priority	28.61256	-81.3938	1200
wwValvInFac-6	29	1975	25	Average	2034	Medium Priority	28.61646	-81.3814	1200
wwValvInFac-7	24	1978	25	Average	2034	Medium Priority	28.6194	-81.3829	1200
wwValvInFac-8	17	1978	25	Average	2034	Medium Priority	28.6195	-81.3805	1200
wwValvInFac-9	48	1986	25	Average	2034	Medium Priority	28.61866	-81.4063	1200
wwValvInFac-11	65	1973	25	Average	2034	Medium Priority	28.62094	-81.3859	1200
wwValvInFac-12	16	1975	25	Poor	2029	Medium/High Priority	28.62022	-81.3793	1200
wwValvInFac-13	12	1976	25	Average	2034	Medium Priority	28.62006	-81.3914	1200
wwValvInFac-14	10	2013	25	Average	2034	Medium Priority	28.62033	-81.3923	1200

Hydrant Valves									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
wwValvInFac-15	6	2013	25	Average	2034	Medium Priority	28.62033	-81.3939	1200
wwValvInFac-16	38	1978	25	Average	2034	Medium Priority	28.6174	-81.3778	1200
wwValvInFac-17	37	1991	25	Average	2034	Medium Priority	28.61629	-81.3776	1200
wwValvInFac-18	39	2021	25	Average	2037	Medium Priority	28.61635	-81.3762	1200
wwValvInFac-19	19	1975	25	Average	2034	Medium Priority	28.61951	-81.3759	1200
wwValvInFac-20	23	1991	25	Average	2034	Medium Priority	28.6186	-81.3758	1200
wwValvInFac-22	35	1975	25	Average	2034	Medium Priority	28.61384	-81.3776	1200
wwValvInFac-23		1978	25	Average		Low Priority	28.62026	-81.3771	1200
wwValvInFac-24		2021	25	Average	2037	Medium Priority	28.62049	-81.382	1200
wwValvInFac-25		19991	25	Average	2037	Medium Priority	28.62035	-81.3859	1200
wwValvInFac-26		1986	25	Poor	2032	Medium/High Priority	28.61639	-81.3951	1200
wwValvInFac-27		1982	25	Poor	2032	Medium/High Priority	28.61827	-81.4005	1200
wwValvInFac-28		1983	25	Poor	2032	Medium/High Priority	28.6183	-81.3991	1200
wwValvInFac-29		2017	25	Average	2037	Medium Priority	28.61749	-81.3982	1200
wwValvInFac-30		2006	25	Poor	2032	Medium/High Priority	28.61766	-81.3816	1200
wwValvInFac-31		1991	25	Average	2037	Medium Priority	28.61495	-81.3812	1200
wwValvInFac-32		1978	25	Average	2037	Medium Priority	28.61499	-81.3796	1200
wwValvInFac-33		1978	25	Average	2037	Medium Priority	28.61681	-81.3796	1200
wwValvInFac-34		1978	25	Average	2037	Medium Priority	28.61495	-81.3779	1200
wwValvInFac-35	116 mulberry	1978	25	Average	2029	Medium/High Priority	28.62094	-81.3802	1200

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	511	2010	25	Average	2035	Low Priority	28.61683	-81.3783	150
Water Meter	149	2010	25	Average	2035	Low Priority	28.61842	-81.3965	150
Water Meter	150	2010	25	Average	2035	Low Priority	28.61841	-81.3961	150
Water Meter	151	2010	25	Average	2035	Low Priority	28.61811	-81.3953	150
Water Meter	152	2010	25	Average	2035	Low Priority	28.61807	-81.3951	150
Water Meter	153	2010	25	Average	2035	Low Priority	28.61786	-81.3951	150
Water Meter	154	2010	25	Average	2035	Low Priority	28.61744	-81.3951	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	155	2010	25	Average	2035	Low Priority	28.61741	-81.3951	150
Water Meter	156	2010	25	Average	2035	Low Priority	28.61716	-81.3951	150
Water Meter	157	2010	25	Average	2035	Low Priority	28.61677	-81.3953	150
Water Meter	158	2010	25	Average	2035	Low Priority	28.61692	-81.3953	150
Water Meter	159	2010	25	Average	2035	Low Priority	28.61724	-81.3953	150
Water Meter	160	2010	25	Average	2035	Low Priority	28.61753	-81.3952	150
Water Meter	177	2010	25	Average	2035	Low Priority	28.61771	-81.3953	150
Water Meter	162	2010	25	Average	2035	Low Priority	28.61811	-81.3953	150
Water Meter	148	2010	25	Average	2035	Low Priority	28.61643	-81.3946	150
Water Meter	164	2010	25	Average	2035	Low Priority	28.61641	-81.3948	150
Water Meter	165	2010	25	Average	2035	Low Priority	28.61651	-81.3953	150
Water Meter	166	2010	25	Average	2035	Low Priority	28.61639	-81.3955	150
Water Meter	167	2010	25	Average	2035	Low Priority	28.61624	-81.3955	150
Water Meter	168	2010	25	Average	2035	Low Priority	28.61625	-81.3952	150
Water Meter	169	2010	25	Average	2035	Low Priority	28.61624	-81.3949	150
Water Meter	170	2010	25	Average	2035	Low Priority	28.61562	-81.3945	150
Water Meter	171	2010	25	Average	2035	Low Priority	28.61563	-81.3945	150
Water Meter	172	2010	25	Average	2035	Low Priority	28.61562	-81.3948	150
Water Meter	173	2010	25	Average	2035	Low Priority	28.61563	-81.3949	150
Water Meter	174	2010	25	Average	2035	Low Priority	28.6156	-81.3952	150
Water Meter	175	2010	25	Average	2035	Low Priority	28.61562	-81.3952	150
Water Meter	134	2010	25	Average	2035	Low Priority	28.61561	-81.3956	150
Water Meter	163	2010	25	Average	2035	Low Priority	28.61561	-81.3956	150
Water Meter	161	2010	25	Average	2035	Low Priority	28.61561	-81.396	150
Water Meter	120	2010	25	Average	2035	Low Priority	28.61561	-81.396	150
Water Meter	121	2010	25	Average	2035	Low Priority	28.6156	-81.3963	150
Water Meter	122	2010	25	Average	2035	Low Priority	28.61561	-81.3963	150
Water Meter	123	2010	25	Average	2035	Low Priority	28.61561	-81.3967	150
Water Meter	124	2010	25	Average	2035	Low Priority	28.6156	-81.3967	150
Water Meter	125	2010	25	Average	2035	Low Priority	28.6156	-81.3971	150
Water Meter	126	2010	25	Average	2035	Low Priority	28.6156	-81.3971	150
Water Meter	127	2010	25	Average	2035	Low Priority	28.61568	-81.3974	150
Water Meter	128	2010	25	Average	2035	Low Priority	28.6157	-81.3975	150
Water Meter	129	2010	25	Average	2035	Low Priority	28.61562	-81.3976	150
Water Meter	130	2010	25	Average	2035	Low Priority	28.6155	-81.3975	150
Water Meter	131	2010	25	Average	2035	Low Priority	28.61546	-81.3975	150
Water Meter	147	2010	25	Average	2035	Low Priority	28.61545	-81.3974	150
Water Meter	133	2010	25	Average	2035	Low Priority	28.61548	-81.3972	150
Water Meter	119	2010	25	Average	2035	Low Priority	28.61547	-81.397	150
Water Meter	135	2010	25	Average	2035	Low Priority	28.61547	-81.3969	150
Water Meter	136	2010	25	Average	2035	Low Priority	28.61548	-81.3966	150
Water Meter	137	2010	25	Average	2035	Low Priority	28.61549	-81.3965	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	138	2010	25	Average	2035	Low Priority	28.61548	-81.3963	150
Water Meter	139	2010	25	Average	2035	Low Priority	28.61549	-81.3961	150
Water Meter	140	2010	25	Average	2035	Low Priority	28.61549	-81.396	150
Water Meter	141	2010	25	Average	2035	Low Priority	28.61549	-81.3957	150
Water Meter	142	2010	25	Average	2035	Low Priority	28.6155	-81.3955	150
Water Meter	143	2010	25	Average	2035	Low Priority	28.61549	-81.3953	150
Water Meter	144	2010	25	Average	2035	Low Priority	28.61549	-81.3951	150
Water Meter	145	2010	25	Average	2035	Low Priority	28.6155	-81.3949	150
Water Meter	191	2010	25	Average	2035	Low Priority	28.6155	-81.3947	150
Water Meter	132	2010	25	Average	2035	Low Priority	28.61549	-81.3946	150
Water Meter	176	2010	25	Average	2035	Low Priority	28.6155	-81.3944	150
Water Meter	208	2010	25	Average	2035	Low Priority	28.61665	-81.3943	150
Water Meter	209	2010	25	Average	2035	Low Priority	28.61739	-81.3943	150
Water Meter	210	2010	25	Average	2035	Low Priority	28.61763	-81.3943	150
Water Meter	211	2010	25	Average	2035	Low Priority	28.61793	-81.3943	150
Water Meter	212	2010	25	Average	2035	Low Priority	28.61797	-81.3943	150
Water Meter	213	2010	25	Average	2035	Low Priority	28.61842	-81.3947	150
Water Meter	214	2010	25	Average	2035	Low Priority	28.61842	-81.3945	150
Water Meter	215	2010	25	Average	2035	Low Priority	28.61431	-81.3938	150
Water Meter	216	2010	25	Average	2035	Low Priority	28.61429	-81.3938	150
Water Meter	217	2010	25	Average	2035	Low Priority	28.61398	-81.3938	150
Water Meter	218	2010	25	Average	2035	Low Priority	28.61396	-81.3938	150
Water Meter	219	2010	25	Average	2035	Low Priority	28.6138	-81.3932	150
Water Meter	235	2010	25	Average	2035	Low Priority	28.61381	-81.3931	150
Water Meter	221	2010	25	Average	2035	Low Priority	28.61381	-81.3928	150
Water Meter	207	2010	25	Average	2035	Low Priority	28.61381	-81.3928	150
Water Meter	223	2010	25	Average	2035	Low Priority	28.61388	-81.3925	150
Water Meter	224	2010	25	Average	2035	Low Priority	28.61389	-81.3925	150
Water Meter	225	2010	25	Average	2035	Low Priority	28.6141	-81.3925	150
Water Meter	226	2010	25	Average	2035	Low Priority	28.61411	-81.3925	150
Water Meter	227	2010	25	Average	2035	Low Priority	28.61442	-81.3925	150
Water Meter	228	2010	25	Average	2035	Low Priority	28.61443	-81.3925	150
Water Meter	229	2010	25	Average	2035	Low Priority	28.6146	-81.3926	150
Water Meter	230	2010	25	Average	2035	Low Priority	28.61461	-81.3926	150
Water Meter	231	2010	25	Average	2035	Low Priority	28.61462	-81.3929	150
Water Meter	232	2010	25	Average	2035	Low Priority	28.61462	-81.3929	150
Water Meter	233	2010	25	Average	2035	Low Priority	28.61462	-81.3932	150
Water Meter	234	2010	25	Average	2035	Low Priority	28.61462	-81.3932	150
Water Meter	193	2010	25	Average	2035	Low Priority	28.61461	-81.3936	150
Water Meter	222	2010	25	Average	2035	Low Priority	28.61461	-81.3936	150
Water Meter	220	2010	25	Average	2035	Low Priority	28.61449	-81.3933	150
Water Meter	179	2010	25	Average	2035	Low Priority	28.61449	-81.3932	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	180	2010	25	Average	2035	Low Priority	28.61449	-81.3929	150
Water Meter	181	2010	25	Average	2035	Low Priority	28.61449	-81.3929	150
Water Meter	182	2010	25	Average	2035	Low Priority	28.61393	-81.3929	150
Water Meter	183	2010	25	Average	2035	Low Priority	28.61393	-81.3929	150
Water Meter	184	2010	25	Average	2035	Low Priority	28.61393	-81.3932	150
Water Meter	185	2010	25	Average	2035	Low Priority	28.61393	-81.3932	150
Water Meter	186	2010	25	Average	2035	Low Priority	28.61419	-81.3937	150
Water Meter	187	2010	25	Average	2035	Low Priority	28.61422	-81.3937	150
Water Meter	188	2010	25	Average	2035	Low Priority	28.61398	-81.3938	150
Water Meter	189	2010	25	Average	2035	Low Priority	28.61397	-81.3938	150
Water Meter	190	2010	25	Average	2035	Low Priority	28.61365	-81.3938	150
Water Meter	206	2010	25	Average	2035	Low Priority	28.61364	-81.3938	150
Water Meter	192	2010	25	Average	2035	Low Priority	28.6133	-81.3938	150
Water Meter	178	2010	25	Average	2035	Low Priority	28.6133	-81.3938	150
Water Meter	194	2010	25	Average	2035	Low Priority	28.61299	-81.3938	150
Water Meter	195	2010	25	Average	2035	Low Priority	28.61297	-81.3938	150
Water Meter	196	2010	25	Average	2035	Low Priority	28.61265	-81.3938	150
Water Meter	197	2010	25	Average	2035	Low Priority	28.61265	-81.3938	150
Water Meter	198	2010	25	Average	2035	Low Priority	28.61232	-81.3938	150
Water Meter	199	2010	25	Average	2035	Low Priority	28.61231	-81.3938	150
Water Meter	200	2010	25	Average	2035	Low Priority	28.612	-81.3938	150
Water Meter	201	2010	25	Average	2035	Low Priority	28.61198	-81.3937	150
Water Meter	202	2010	25	Average	2035	Low Priority	28.61182	-81.3936	150
Water Meter	203	2010	25	Average	2035	Low Priority	28.61182	-81.3936	150
Water Meter	204	2010	25	Average	2035	Low Priority	28.61181	-81.3934	150
Water Meter	205	2010	25	Average	2035	Low Priority	28.61181	-81.3934	150
Water Meter	118	2010	25	Average	2035	Low Priority	28.61179	-81.393	150
Water Meter	117	2010	25	Average	2035	Low Priority	28.61179	-81.393	150
Water Meter	146	2010	25	Average	2035	Low Priority	28.6118	-81.3927	150
Water Meter	106	2010	25	Average	2035	Low Priority	28.61191	-81.393	150
Water Meter	107	2010	25	Average	2035	Low Priority	28.61191	-81.393	150
Water Meter	108	2010	25	Average	2035	Low Priority	28.61191	-81.3934	150
Water Meter	109	2010	25	Average	2035	Low Priority	28.61191	-81.3934	150
Water Meter	110	2010	25	Average	2035	Low Priority	28.61235	-81.3936	150
Water Meter	105	2010	25	Average	2035	Low Priority	28.61242	-81.3936	150
Water Meter	111	2010	25	Average	2035	Low Priority	28.61269	-81.3937	150
Water Meter	112	2010	25	Average	2035	Low Priority	28.61318	-81.3933	150
Water Meter	113	2010	25	Average	2035	Low Priority	28.61318	-81.3933	150
Water Meter	114	2010	25	Average	2035	Low Priority	28.61358	-81.3936	150
Water Meter	115	2010	25	Average	2035	Low Priority	28.61359	-81.3936	150
Water Meter	330	2010	25	Average	2035	Low Priority	28.61428	-81.3909	150
Water Meter	331	2010	25	Average	2035	Low Priority	28.61306	-81.3934	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	332	2010	25	Average	2035	Low Priority	28.61306	-81.3931	150
Water Meter	333	2010	25	Average	2035	Low Priority	28.61306	-81.393	150
Water Meter	334	2010	25	Average	2035	Low Priority	28.61279	-81.3926	150
Water Meter	335	2010	25	Average	2035	Low Priority	28.61258	-81.3927	150
Water Meter	336	2010	25	Average	2035	Low Priority	28.61259	-81.3927	150
Water Meter	337	2010	25	Average	2035	Low Priority	28.61241	-81.3927	150
Water Meter	349	2010	25	Average	2035	Low Priority	28.61241	-81.3927	150
Water Meter	339	2010	25	Average	2035	Low Priority	28.6122	-81.3926	150
Water Meter	329	2010	25	Average	2035	Low Priority	28.61211	-81.3925	150
Water Meter	341	2010	25	Average	2035	Low Priority	28.61222	-81.3925	150
Water Meter	342	2010	25	Average	2035	Low Priority	28.61244	-81.3925	150
Water Meter	343	2010	25	Average	2035	Low Priority	28.61245	-81.3925	150
Water Meter	344	2010	25	Average	2035	Low Priority	28.61275	-81.3925	150
Water Meter	345	2010	25	Average	2035	Low Priority	28.61276	-81.3925	150
Water Meter	346	2010	25	Average	2035	Low Priority	28.61317	-81.3926	150
Water Meter	347	2010	25	Average	2035	Low Priority	28.61318	-81.3926	150
Water Meter	348	2010	25	Average	2035	Low Priority	28.61318	-81.3929	150
Water Meter	319	2010	25	Average	2035	Low Priority	28.61318	-81.393	150
Water Meter	317	2010	25	Average	2035	Low Priority	28.61319	-81.3933	150
Water Meter	338	2010	25	Average	2035	Low Priority	28.61179	-81.3927	150
Water Meter	310	2010	25	Average	2035	Low Priority	28.61179	-81.3926	150
Water Meter	311	2010	25	Average	2035	Low Priority	28.61181	-81.3923	150
Water Meter	312	2010	25	Average	2035	Low Priority	28.61181	-81.3923	150
Water Meter	313	2010	25	Average	2035	Low Priority	28.6118	-81.3919	150
Water Meter	314	2010	25	Average	2035	Low Priority	28.6118	-81.3918	150
Water Meter	315	2010	25	Average	2035	Low Priority	28.6118	-81.3915	150
Water Meter	316	2010	25	Average	2035	Low Priority	28.6118	-81.3915	150
Water Meter	328	2010	25	Average	2035	Low Priority	28.6118	-81.3912	150
Water Meter	318	2010	25	Average	2035	Low Priority	28.61181	-81.3911	150
Water Meter	308	2010	25	Average	2035	Low Priority	28.61181	-81.3908	150
Water Meter	320	2010	25	Average	2035	Low Priority	28.61181	-81.3908	150
Water Meter	321	2010	25	Average	2035	Low Priority	28.61176	-81.3905	150
Water Meter	322	2010	25	Average	2035	Low Priority	28.61176	-81.3905	150
Water Meter	323	2010	25	Average	2035	Low Priority	28.61194	-81.3904	150
Water Meter	324	2010	25	Average	2035	Low Priority	28.61199	-81.3904	150
Water Meter	325	2010	25	Average	2035	Low Priority	28.612	-81.3905	150
Water Meter	326	2010	25	Average	2035	Low Priority	28.61195	-81.3908	150
Water Meter	327	2010	25	Average	2035	Low Priority	28.61195	-81.3908	150
Water Meter	359	2010	25	Average	2035	Low Priority	28.61195	-81.3912	150
Water Meter	391	2010	25	Average	2035	Low Priority	28.61195	-81.3912	150
Water Meter	340	2010	25	Average	2035	Low Priority	28.61194	-81.3915	150
Water Meter	37	2010	25	Average	2035	Low Priority	28.61194	-81.3915	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	374	2010	25	Average	2035	Low Priority	28.61194	-81.3919	150
Water Meter	375	2010	25	Average	2035	Low Priority	28.61194	-81.3919	150
Water Meter	357	2010	25	Average	2035	Low Priority	28.61947	-81.3803	150
Water Meter	358	2010	25	Average	2035	Low Priority	28.61948	-81.3806	150
Water Meter	370	2010	25	Average	2035	Low Priority	28.61949	-81.381	150
Water Meter	360	2010	25	Average	2035	Low Priority	28.61949	-81.3812	150
Water Meter	350	2010	25	Average	2035	Low Priority	28.61951	-81.3814	150
Water Meter	362	2010	25	Average	2035	Low Priority	28.61953	-81.3818	150
Water Meter	363	2010	25	Average	2035	Low Priority	28.6194	-81.3816	150
Water Meter	364	2010	25	Average	2035	Low Priority	28.61941	-81.3814	150
Water Meter	365	2010	25	Average	2035	Low Priority	28.61938	-81.3813	150
Water Meter	366	2010	25	Average	2035	Low Priority	28.61939	-81.3811	150
Water Meter	367	2010	25	Average	2035	Low Priority	28.61939	-81.3811	150
Water Meter	368	2010	25	Average	2035	Low Priority	28.61939	-81.3808	150
Water Meter	369	2010	25	Average	2035	Low Priority	28.61939	-81.3805	150
Water Meter	372	2010	25	Average	2035	Low Priority	28.61939	-81.3802	150
Water Meter	291	2010	25	Average	2035	Low Priority	28.61957	-81.3822	150
Water Meter	288	2010	25	Average	2035	Low Priority	28.61957	-81.3824	150
Water Meter	287	2010	25	Average	2035	Low Priority	28.61957	-81.3833	150
Water Meter	286	2010	25	Average	2035	Low Priority	28.61957	-81.3835	150
Water Meter	285	2010	25	Average	2035	Low Priority	28.61957	-81.3837	150
Water Meter	284	2010	25	Average	2035	Low Priority	28.61944	-81.3837	150
Water Meter	283	2010	25	Average	2035	Low Priority	28.61943	-81.3835	150
Water Meter	282	2010	25	Average	2035	Low Priority	28.61943	-81.383	150
Water Meter	272	2010	25	Average	2035	Low Priority	28.61968	-81.3854	150
Water Meter	280	2010	25	Average	2035	Low Priority	28.61986	-81.3858	150
Water Meter	289	2010	25	Average	2035	Low Priority	28.61956	-81.3858	150
Water Meter	241	2010	25	Average	2035	Low Priority	28.61994	-81.3828	150
Water Meter	236	2010	25	Average	2035	Low Priority	28.61984	-81.3828	150
Water Meter	239	2010	25	Average	2035	Low Priority	28.61962	-81.3828	150
Water Meter	238	2010	25	Average	2035	Low Priority	28.61888	-81.3828	150
Water Meter	261	2010	25	Average	2035	Low Priority	28.61901	-81.383	150
Water Meter	263	2010	25	Average	2035	Low Priority	28.61957	-81.3829	150
Water Meter	448	2010	25	Average	2035	Low Priority	28.61938	-81.3828	150
Water Meter	425	2010	25	Average	2035	Low Priority	28.6191	-81.3838	150
Water Meter	443	2010	25	Average	2035	Low Priority	28.61942	-81.3821	150
Water Meter	421	2010	25	Average	2035	Low Priority	28.61857	-81.3807	150
Water Meter	420	2010	25	Average	2035	Low Priority	28.61851	-81.3811	150
Water Meter	427	2010	25	Average	2035	Low Priority	28.6185	-81.3813	150
Water Meter	431	2010	25	Average	2035	Low Priority	28.6184	-81.3823	150
Water Meter	432	2010	25	Average	2035	Low Priority	28.61841	-81.3821	150
Water Meter	433	2010	25	Average	2035	Low Priority	28.61841	-81.3821	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	434	2010	25	Average	2035	Low Priority	28.61863	-81.3838	150
Water Meter	435	2010	25	Average	2035	Low Priority	28.61885	-81.384	150
Water Meter	441	2010	25	Average	2035	Low Priority	28.61911	-81.3841	150
Water Meter	436	2010	25	Average	2035	Low Priority	28.61895	-81.3858	150
Water Meter	428	2010	25	Average	2035	Low Priority	28.61851	-81.3856	150
Water Meter	437	2010	25	Average	2035	Low Priority	28.61887	-81.382	150
Water Meter	438	2010	25	Average	2035	Low Priority	28.61889	-81.382	150
Water Meter	92	2010	25	Average	2035	Low Priority	28.61905	-81.3913	150
Water Meter	96	2010	25	Average	2035	Low Priority	28.61915	-81.3912	150
Water Meter	104	2010	25	Average	2035	Low Priority	28.61914	-81.3909	150
Water Meter	94	2010	25	Average	2035	Low Priority	28.61915	-81.3908	150
Water Meter	93	2010	25	Average	2035	Low Priority	28.61914	-81.3905	150
Water Meter	87	2010	25	Average	2035	Low Priority	28.6192	-81.39	150
Water Meter	65	2010	25	Average	2035	Low Priority	28.61929	-81.3902	150
Water Meter	54	2010	25	Average	2035	Low Priority	28.61929	-81.3903	150
Water Meter	55	2010	25	Average	2035	Low Priority	28.61928	-81.3908	150
Water Meter	56	2010	25	Average	2035	Low Priority	28.61928	-81.3909	150
Water Meter	57	2010	25	Average	2035	Low Priority	28.61936	-81.3913	150
Water Meter	67	2010	25	Average	2035	Low Priority	28.61989	-81.3912	150
Water Meter	59	2010	25	Average	2035	Low Priority	28.61988	-81.3912	150
Water Meter	51	2010	25	Average	2035	Low Priority	28.6199	-81.391	150
Water Meter	29	2010	25	Average	2035	Low Priority	28.61988	-81.3909	150
Water Meter	27	2010	25	Average	2035	Low Priority	28.61994	-81.3915	150
Water Meter	41	2010	25	Average	2035	Low Priority	28.61976	-81.3915	150
Water Meter	42	2010	25	Average	2035	Low Priority	28.61936	-81.3915	150
Water Meter	43	2010	25	Average	2035	Low Priority	28.61915	-81.3915	150
Water Meter	44	2010	25	Average	2035	Low Priority	28.619	-81.3915	150
Water Meter	38	2010	25	Average	2035	Low Priority	28.61999	-81.3923	150
Water Meter	3	2010	25	Average	2035	Low Priority	28.6197	-81.3923	150
Water Meter	4	2010	25	Average	2035	Low Priority	28.61952	-81.3923	150
Water Meter	5	2010	25	Average	2035	Low Priority	28.61908	-81.3923	150
Water Meter	6	2010	25	Average	2035	Low Priority	28.619	-81.3923	150
Water Meter	7	2010	25	Average	2035	Low Priority	28.61899	-81.3922	150
Water Meter	8	2010	25	Average	2035	Low Priority	28.61905	-81.3922	150
Water Meter	9	2010	25	Average	2035	Low Priority	28.61931	-81.3922	150
Water Meter	10	2010	25	Average	2035	Low Priority	28.6195	-81.3922	150
Water Meter	11	2010	25	Average	2035	Low Priority	28.6196	-81.3922	150
Water Meter	26	2010	25	Average	2035	Low Priority	28.61977	-81.3922	150
Water Meter	13	2010	25	Average	2035	Low Priority	28.61987	-81.3922	150
Water Meter	60	2010	25	Average	2035	Low Priority	28.61895	-81.393	150
Water Meter	20	2010	25	Average	2035	Low Priority	28.61917	-81.393	150
Water Meter	40	2010	25	Average	2035	Low Priority	28.61934	-81.393	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	21	2010	25	Average	2035	Low Priority	28.61967	-81.393	150
Water Meter	22	2010	25	Average	2035	Low Priority	28.61993	-81.393	150
Water Meter	88	2010	25	Average	2035	Low Priority	28.61991	-81.3931	150
Water Meter	95	2010	25	Average	2035	Low Priority	28.61988	-81.3931	150
Water Meter	89	2010	25	Average	2035	Low Priority	28.6196	-81.3931	150
Water Meter	80	2010	25	Average	2035	Low Priority	28.61947	-81.3931	150
Water Meter	91	2010	25	Average	2035	Low Priority	28.61921	-81.3931	150
Water Meter	97	2010	25	Average	2035	Low Priority	28.61917	-81.3931	150
Water Meter	77	2010	25	Average	2035	Low Priority	28.61999	-81.3939	150
Water Meter	76	2010	25	Average	2035	Low Priority	28.61984	-81.394	150
Water Meter	75	2010	25	Average	2035	Low Priority	28.61962	-81.3939	150
Water Meter	74	2010	25	Average	2035	Low Priority	28.61934	-81.3939	150
Water Meter	73	2010	25	Average	2035	Low Priority	28.61909	-81.3939	150
Water Meter	72	2010	25	Average	2035	Low Priority	28.61907	-81.3939	150
Water Meter	71	2010	25	Average	2035	Low Priority	28.61903	-81.3938	150
Water Meter	70	2010	25	Average	2035	Low Priority	28.61915	-81.3938	150
Water Meter	69	2010	25	Average	2035	Low Priority	28.61922	-81.3938	150
Water Meter	68	2010	25	Average	2035	Low Priority	28.61922	-81.3938	150
Water Meter	53	2010	25	Average	2035	Low Priority	28.61936	-81.3938	150
Water Meter	555	2010	25	Average	2035	Low Priority	28.61694	-81.3801	150
Water Meter	578	2010	25	Average	2035	Low Priority	28.61695	-81.3801	150
Water Meter	576	2010	25	Average	2035	Low Priority	28.61696	-81.3809	150
Water Meter	568	2010	25	Average	2035	Low Priority	28.61685	-81.381	150
Water Meter	567	2010	25	Average	2035	Low Priority	28.61685	-81.381	150
Water Meter	566	2010	25	Average	2035	Low Priority	28.61684	-81.3807	150
Water Meter	565	2010	25	Average	2035	Low Priority	28.61683	-81.3805	150
Water Meter	564	2010	25	Average	2035	Low Priority	28.61682	-81.3801	150
Water Meter	563	2010	25	Average	2035	Low Priority	28.61664	-81.3803	150
Water Meter	562	2010	25	Average	2035	Low Priority	28.61646	-81.3803	150
Water Meter	560	2010	25	Average	2035	Low Priority	28.61595	-81.38	150
Water Meter	559	2010	25	Average	2035	Low Priority	28.61606	-81.38	150
Water Meter	558	2010	25	Average	2035	Low Priority	28.61595	-81.3806	150
Water Meter	557	2010	25	Average	2035	Low Priority	28.61596	-81.3809	150
Water Meter	556	2010	25	Average	2035	Low Priority	28.61608	-81.3808	150
Water Meter	857	2010	25	Average	2035	Low Priority	28.61608	-81.3808	150
Water Meter	610	2010	25	Average	2035	Low Priority	28.61564	-81.3804	150
Water Meter	584	2010	25	Average	2035	Low Priority	28.61538	-81.3804	150
Water Meter	604	2010	25	Average	2035	Low Priority	28.61497	-81.3801	150
Water Meter	606	2010	25	Average	2035	Low Priority	28.61529	-81.3803	150
Water Meter	617	2010	25	Average	2035	Low Priority	28.61552	-81.3803	150
Water Meter	609	2010	25	Average	2035	Low Priority	28.61552	-81.3803	150
Water Meter	699	2010	25	Average	2035	Low Priority	28.61798	-81.3805	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	700	2010	25	Average	2035	Low Priority	28.61794	-81.3806	150
Water Meter	701	2010	25	Average	2035	Low Priority	28.6179	-81.3806	150
Water Meter	702	2010	25	Average	2035	Low Priority	28.61766	-81.3809	150
Water Meter	703	2010	25	Average	2035	Low Priority	28.61774	-81.3814	150
Water Meter	704	2010	25	Average	2035	Low Priority	28.61754	-81.3812	150
Water Meter	715	2010	25	Average	2035	Low Priority	28.61754	-81.381	150
Water Meter	706	2010	25	Average	2035	Low Priority	28.61752	-81.3808	150
Water Meter	698	2010	25	Average	2035	Low Priority	28.61752	-81.3805	150
Water Meter	708	2010	25	Average	2035	Low Priority	28.61752	-81.3804	150
Water Meter	709	2010	25	Average	2035	Low Priority	28.61752	-81.3801	150
Water Meter	745	2010	25	Average	2035	Low Priority	28.61537	-81.3813	150
Water Meter	746	2010	25	Average	2035	Low Priority	28.6155	-81.3813	150
Water Meter	747	2010	25	Average	2035	Low Priority	28.61551	-81.3813	150
Water Meter	748	2010	25	Average	2035	Low Priority	28.61558	-81.3813	150
Water Meter	749	2010	25	Average	2035	Low Priority	28.61564	-81.3813	150
Water Meter	750	2010	25	Average	2035	Low Priority	28.61596	-81.3812	150
Water Meter	725	2010	25	Average	2035	Low Priority	28.61658	-81.3814	150
Water Meter	723	2010	25	Average	2035	Low Priority	28.61658	-81.3814	150
Water Meter	741	2010	25	Average	2035	Low Priority	28.61717	-81.3814	150
Water Meter	718	2010	25	Average	2035	Low Priority	28.61737	-81.3814	150
Water Meter	719	2010	25	Average	2035	Low Priority	28.61662	-81.3815	150
Water Meter	720	2010	25	Average	2035	Low Priority	28.6183	-81.3808	150
Water Meter	721	2010	25	Average	2035	Low Priority	28.61829	-81.3809	150
Water Meter	722	2010	25	Average	2035	Low Priority	28.61829	-81.3808	150
Water Meter	733	2010	25	Average	2035	Low Priority	28.61835	-81.3806	150
Water Meter	724	2010	25	Average	2035	Low Priority	28.61835	-81.3803	150
Water Meter	716	2010	25	Average	2035	Low Priority	28.61831	-81.3802	150
Water Meter	727	2010	25	Average	2035	Low Priority	28.61849	-81.3808	150
Water Meter	728	2010	25	Average	2035	Low Priority	28.61856	-81.3808	150
Water Meter	729	2010	25	Average	2035	Low Priority	28.6185	-81.3813	150
Water Meter	730	2010	25	Average	2035	Low Priority	28.61842	-81.3821	150
Water Meter	731	2010	25	Average	2035	Low Priority	28.61842	-81.3821	150
Water Meter	732	2010	25	Average	2035	Low Priority	28.6184	-81.3823	150
Water Meter	735	2010	25	Average	2035	Low Priority	28.61817	-81.3816	150
Water Meter	680	2010	25	Average	2035	Low Priority	28.61816	-81.3816	150
Water Meter	510	2010	25	Average	2035	Low Priority	28.61662	-81.3777	150
Water Meter	509	2010	25	Average	2035	Low Priority	28.61584	-81.3776	150
Water Meter	514	2010	25	Average	2035	Low Priority	28.6157	-81.3776	150
Water Meter	507	2010	25	Average	2035	Low Priority	28.61561	-81.3776	150
Water Meter	505	2010	25	Average	2035	Low Priority	28.61543	-81.3776	150
Water Meter	497	2010	25	Average	2035	Low Priority	28.61512	-81.3779	150
Water Meter	504	2010	25	Average	2035	Low Priority	28.61512	-81.3779	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	512	2010	25	Average	2035	Low Priority	28.61512	-81.378	150
Water Meter	502	2010	25	Average	2035	Low Priority	28.61513	-81.3781	150
Water Meter	481	2010	25	Average	2035	Low Priority	28.61512	-81.3782	150
Water Meter	501	2010	25	Average	2035	Low Priority	28.61511	-81.3782	150
Water Meter	508	2010	25	Average	2035	Low Priority	28.61512	-81.3784	150
Water Meter	500	2010	25	Average	2035	Low Priority	28.61512	-81.3784	150
Water Meter	499	2010	25	Average	2035	Low Priority	28.61513	-81.3786	150
Water Meter	498	2010	25	Average	2035	Low Priority	28.61512	-81.3786	150
Water Meter	503	2010	25	Average	2035	Low Priority	28.61512	-81.3787	150
Water Meter	520	2010	25	Average	2035	Low Priority	28.61512	-81.3787	150
Water Meter	528	2010	25	Average	2035	Low Priority	28.61511	-81.3788	150
Water Meter	527	2010	25	Average	2035	Low Priority	28.61514	-81.3788	150
Water Meter	526	2010	25	Average	2035	Low Priority	28.61523	-81.3788	150
Water Meter	525	2010	25	Average	2035	Low Priority	28.61526	-81.3788	150
Water Meter	523	2010	25	Average	2035	Low Priority	28.61538	-81.3788	150
Water Meter	513	2010	25	Average	2035	Low Priority	28.61539	-81.3788	150
Water Meter	521	2010	25	Average	2035	Low Priority	28.61532	-81.3787	150
Water Meter	529	2010	25	Average	2035	Low Priority	28.61532	-81.3787	150
Water Meter	519	2010	25	Average	2035	Low Priority	28.61532	-81.3786	150
Water Meter	518	2010	25	Average	2035	Low Priority	28.61532	-81.3786	150
Water Meter	517	2010	25	Average	2035	Low Priority	28.61532	-81.3784	150
Water Meter	516	2010	25	Average	2035	Low Priority	28.61532	-81.3784	150
Water Meter	515	2010	25	Average	2035	Low Priority	28.61531	-81.3782	150
Water Meter	522	2010	25	Average	2035	Low Priority	28.61531	-81.3782	150
Water Meter	524	2010	25	Average	2035	Low Priority	28.61532	-81.3781	150
Water Meter	506	2010	25	Average	2035	Low Priority	28.61532	-81.3781	150
Water Meter	482	2010	25	Average	2035	Low Priority	28.61532	-81.3779	150
Water Meter	479	2010	25	Average	2035	Low Priority	28.61532	-81.3779	150
Water Meter	476	2010	25	Average	2035	Low Priority	28.61525	-81.3779	150
Water Meter	475	2010	25	Average	2035	Low Priority	28.61533	-81.3778	150
Water Meter	469	2010	25	Average	2035	Low Priority	28.61562	-81.3779	150
Water Meter	474	2010	25	Average	2035	Low Priority	28.61562	-81.3779	150
Water Meter	473	2010	25	Average	2035	Low Priority	28.61562	-81.378	150
Water Meter	472	2010	25	Average	2035	Low Priority	28.61562	-81.3781	150
Water Meter	467	2010	25	Average	2035	Low Priority	28.61562	-81.3781	150
Water Meter	464	2010	25	Average	2035	Low Priority	28.6159	-81.3781	150
Water Meter	465	2010	25	Average	2035	Low Priority	28.6159	-81.3781	150
Water Meter	466	2010	25	Average	2035	Low Priority	28.61589	-81.378	150
Water Meter	471	2010	25	Average	2035	Low Priority	28.61589	-81.3779	150
Water Meter	468	2010	25	Average	2035	Low Priority	28.61589	-81.3779	150
Water Meter	470	2010	25	Average	2035	Low Priority	28.61599	-81.3776	150
Water Meter	477	2010	25	Average	2035	Low Priority	28.6137	-81.3775	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	489	2010	25	Average	2035	Low Priority	28.61368	-81.3771	150
Water Meter	495	2010	25	Average	2035	Low Priority	28.6137	-81.3771	150
Water Meter	494	2010	25	Average	2035	Low Priority	28.61372	-81.3767	150
Water Meter	493	2010	25	Average	2035	Low Priority	28.61372	-81.3767	150
Water Meter	492	2010	25	Average	2035	Low Priority	28.61372	-81.3762	150
Water Meter	491	2010	25	Average	2035	Low Priority	28.61372	-81.3762	150
Water Meter	490	2010	25	Average	2035	Low Priority	28.61373	-81.3758	150
Water Meter	480	2010	25	Average	2035	Low Priority	28.61373	-81.3758	150
Water Meter	488	2010	25	Average	2035	Low Priority	28.61389	-81.3758	150
Water Meter	496	2010	25	Average	2035	Low Priority	28.61386	-81.3761	150
Water Meter	487	2010	25	Average	2035	Low Priority	28.61384	-81.3764	150
Water Meter	486	2010	25	Average	2035	Low Priority	28.61384	-81.3764	150
Water Meter	478	2010	25	Average	2035	Low Priority	28.61384	-81.3767	150
Water Meter	485	2010	25	Average	2035	Low Priority	28.61383	-81.3769	150
Water Meter	484	2010	25	Average	2035	Low Priority	28.61382	-81.3773	150
Water Meter	483	2010	25	Average	2035	Low Priority	28.61382	-81.3773	150
Water Meter	534	2010	25	Average	2035	Low Priority	28.61765	-81.3795	150
Water Meter	533	2010	25	Average	2035	Low Priority	28.61762	-81.3795	150
Water Meter	532	2010	25	Average	2035	Low Priority	28.61722	-81.3797	150
Water Meter	535	2010	25	Average	2035	Low Priority	28.61722	-81.3797	150
Water Meter	530	2010	25	Average	2035	Low Priority	28.61722	-81.3797	150
Water Meter	531	2010	25	Average	2035	Low Priority	28.61722	-81.3797	150
Water Meter	378	2010	25	Average	2035	Low Priority	28.6199	-81.3757	150
Water Meter	379	2010	25	Average	2035	Low Priority	28.61989	-81.3757	150
Water Meter	392	2010	25	Average	2035	Low Priority	28.61968	-81.3757	150
Water Meter	381	2010	25	Average	2035	Low Priority	28.61967	-81.3757	150
Water Meter	371	2010	25	Average	2035	Low Priority	28.61951	-81.3762	150
Water Meter	383	2010	25	Average	2035	Low Priority	28.61951	-81.3763	150
Water Meter	384	2010	25	Average	2035	Low Priority	28.6195	-81.3764	150
Water Meter	385	2010	25	Average	2035	Low Priority	28.6195	-81.3765	150
Water Meter	386	2010	25	Average	2035	Low Priority	28.61949	-81.3767	150
Water Meter	387	2010	25	Average	2035	Low Priority	28.61949	-81.377	150
Water Meter	388	2010	25	Average	2035	Low Priority	28.61938	-81.377	150
Water Meter	389	2010	25	Average	2035	Low Priority	28.6194	-81.3766	150
Water Meter	390	2010	25	Average	2035	Low Priority	28.61941	-81.3764	150
Water Meter	361	2010	25	Average	2035	Low Priority	28.61948	-81.3779	150
Water Meter	382	2010	25	Average	2035	Low Priority	28.61948	-81.3781	150
Water Meter	240	2010	25	Average	2035	Low Priority	28.61949	-81.3782	150
Water Meter	351	2010	25	Average	2035	Low Priority	28.61949	-81.3786	150
Water Meter	309	2010	25	Average	2035	Low Priority	28.61948	-81.3786	150
Water Meter	353	2010	25	Average	2035	Low Priority	28.61948	-81.379	150
Water Meter	354	2010	25	Average	2035	Low Priority	28.61948	-81.379	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	355	2010	25	Average	2035	Low Priority	28.61939	-81.3788	150
Water Meter	356	2010	25	Average	2035	Low Priority	28.61948	-81.3798	150
Water Meter	451	2010	25	Average	2035	Low Priority	28.61978	-81.3777	150
Water Meter	452	2010	25	Average	2035	Low Priority	28.61978	-81.3777	150
Water Meter	453	2010	25	Average	2035	Low Priority	28.61966	-81.3777	150
Water Meter	463	2010	25	Average	2035	Low Priority	28.61966	-81.3777	150
Water Meter	455	2010	25	Average	2035	Low Priority	28.61949	-81.3774	150
Water Meter	456	2010	25	Average	2035	Low Priority	28.61914	-81.3777	150
Water Meter	457	2010	25	Average	2035	Low Priority	28.6187	-81.3776	150
Water Meter	458	2010	25	Average	2035	Low Priority	28.6187	-81.3778	150
Water Meter	459	2010	25	Average	2035	Low Priority	28.6189	-81.3778	150
Water Meter	461	2010	25	Average	2035	Low Priority	28.61869	-81.3792	150
Water Meter	454	2010	25	Average	2035	Low Priority	28.6187	-81.3792	150
Water Meter	460	2010	25	Average	2035	Low Priority	28.61926	-81.3792	150
Water Meter	444	2010	25	Average	2035	Low Priority	28.61938	-81.3795	150
Water Meter	426	2010	25	Average	2035	Low Priority	28.61865	-81.376	150
Water Meter	430	2010	25	Average	2035	Low Priority	28.61863	-81.3771	150
Water Meter	424	2010	25	Average	2035	Low Priority	28.61862	-81.3771	150
Water Meter	423	2010	25	Average	2035	Low Priority	28.61863	-81.377	150
Water Meter	422	2010	25	Average	2035	Low Priority	28.6186	-81.3799	150
Water Meter	640	2010	25	Average	2035	Low Priority	28.61712	-81.3796	150
Water Meter	639	2010	25	Average	2035	Low Priority	28.61655	-81.3796	150
Water Meter	632	2010	25	Average	2035	Low Priority	28.61643	-81.3797	150
Water Meter	637	2010	25	Average	2035	Low Priority	28.61643	-81.3797	150
Water Meter	646	2010	25	Average	2035	Low Priority	28.61637	-81.3796	150
Water Meter	635	2010	25	Average	2035	Low Priority	28.61622	-81.3796	150
Water Meter	634	2010	25	Average	2035	Low Priority	28.61562	-81.3796	150
Water Meter	633	2010	25	Average	2035	Low Priority	28.61541	-81.3796	150
Water Meter	603	2010	25	Average	2035	Low Priority	28.61525	-81.3796	150
Water Meter	569	2010	25	Average	2035	Low Priority	28.61522	-81.3796	150
Water Meter	619	2010	25	Average	2035	Low Priority	28.61496	-81.3798	150
Water Meter	572	2010	25	Average	2035	Low Priority	28.61513	-81.3795	150
Water Meter	573	2010	25	Average	2035	Low Priority	28.61524	-81.3795	150
Water Meter	574	2010	25	Average	2035	Low Priority	28.61513	-81.3795	150
Water Meter	575	2010	25	Average	2035	Low Priority	28.61542	-81.3795	150
Water Meter	585	2010	25	Average	2035	Low Priority	28.61559	-81.3795	150
Water Meter	577	2010	25	Average	2035	Low Priority	28.61578	-81.3795	150
Water Meter	570	2010	25	Average	2035	Low Priority	28.61679	-81.3795	150
Water Meter	579	2010	25	Average	2035	Low Priority	28.61693	-81.3795	150
Water Meter	580	2010	25	Average	2035	Low Priority	28.61696	-81.3795	150
Water Meter	581	2010	25	Average	2035	Low Priority	28.61696	-81.3795	150
Water Meter	582	2010	25	Average	2035	Low Priority	28.61694	-81.3798	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	583	2010	25	Average	2035	Low Priority	28.61694	-81.3798	150
Water Meter	561	2010	25	Average	2035	Low Priority	28.61594	-81.3799	150
Water Meter	602	2010	25	Average	2035	Low Priority	28.61195	-81.3756	150
Water Meter	611	2010	25	Average	2035	Low Priority	28.61195	-81.3757	150
Water Meter	612	2010	25	Average	2035	Low Priority	28.61246	-81.376	150
Water Meter	613	2010	25	Average	2035	Low Priority	28.61248	-81.3759	150
Water Meter	614	2010	25	Average	2035	Low Priority	28.61251	-81.3756	150
Water Meter	615	2010	25	Average	2035	Low Priority	28.61237	-81.3756	150
Water Meter	616	2010	25	Average	2035	Low Priority	28.61235	-81.3759	150
Water Meter	594	2010	25	Average	2035	Low Priority	28.61303	-81.376	150
Water Meter	592	2010	25	Average	2035	Low Priority	28.61301	-81.3758	150
Water Meter	608	2010	25	Average	2035	Low Priority	28.61298	-81.3758	150
Water Meter	858	2010	25	Average	2035	Low Priority	28.613	-81.3756	150
Water Meter	589	2010	25	Average	2035	Low Priority	28.61314	-81.3758	150
Water Meter	590	2010	25	Average	2035	Low Priority	28.61313	-81.376	150
Water Meter	591	2010	25	Average	2035	Low Priority	28.61313	-81.376	150
Water Meter	601	2010	25	Average	2035	Low Priority	28.61312	-81.376	150
Water Meter	593	2010	25	Average	2035	Low Priority	28.6131	-81.3764	150
Water Meter	856	2010	25	Average	2035	Low Priority	28.61311	-81.3765	150
Water Meter	595	2010	25	Average	2035	Low Priority	28.6131	-81.3769	150
Water Meter	596	2010	25	Average	2035	Low Priority	28.6131	-81.3769	150
Water Meter	597	2010	25	Average	2035	Low Priority	28.61309	-81.3773	150
Water Meter	598	2010	25	Average	2035	Low Priority	28.61308	-81.3773	150
Water Meter	599	2010	25	Average	2035	Low Priority	28.6137	-81.3775	150
Water Meter	600	2010	25	Average	2035	Low Priority	28.61369	-81.3771	150
Water Meter	571	2010	25	Average	2035	Low Priority	28.6137	-81.3771	150
Water Meter	620	2010	25	Average	2035	Low Priority	28.61372	-81.3767	150
Water Meter	621	2010	25	Average	2035	Low Priority	28.61372	-81.3767	150
Water Meter	622	2010	25	Average	2035	Low Priority	28.61372	-81.3762	150
Water Meter	623	2010	25	Average	2035	Low Priority	28.61372	-81.3762	150
Water Meter	624	2010	25	Average	2035	Low Priority	28.61373	-81.3758	150
Water Meter	625	2010	25	Average	2035	Low Priority	28.61373	-81.3758	150
Water Meter	626	2010	25	Average	2035	Low Priority	28.61389	-81.3758	150
Water Meter	627	2010	25	Average	2035	Low Priority	28.61386	-81.3761	150
Water Meter	628	2010	25	Average	2035	Low Priority	28.61384	-81.3764	150
Water Meter	636	2010	25	Average	2035	Low Priority	28.61385	-81.3764	150
Water Meter	629	2010	25	Average	2035	Low Priority	28.61385	-81.3767	150
Water Meter	618	2010	25	Average	2035	Low Priority	28.61383	-81.3769	150
Water Meter	630	2010	25	Average	2035	Low Priority	28.61382	-81.3773	150
Water Meter	631	2010	25	Average	2035	Low Priority	28.61382	-81.3773	150
Water Meter	638	2010	25	Average	2035	Low Priority	28.61464	-81.3758	150
Water Meter	645	2010	25	Average	2035	Low Priority	28.61464	-81.3758	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	644	2010	25	Average	2035	Low Priority	28.61463	-81.3762	150
Water Meter	643	2010	25	Average	2035	Low Priority	28.61463	-81.3763	150
Water Meter	642	2010	25	Average	2035	Low Priority	28.61461	-81.3767	150
Water Meter	641	2010	25	Average	2035	Low Priority	28.6146	-81.3767	150
Water Meter	605	2010	25	Average	2035	Low Priority	28.6146	-81.3771	150
Water Meter	550	2010	25	Average	2035	Low Priority	28.6146	-81.3771	150
Water Meter	537	2010	25	Average	2035	Low Priority	28.6146	-81.3775	150
Water Meter	538	2010	25	Average	2035	Low Priority	28.61446	-81.3774	150
Water Meter	339	2010	25	Average	2035	Low Priority	28.61446	-81.3773	150
Water Meter	540	2010	25	Average	2035	Low Priority	28.61459	-81.3774	150
Water Meter	541	2010	25	Average	2035	Low Priority	28.6146	-81.3771	150
Water Meter	542	2010	25	Average	2035	Low Priority	28.6146	-81.3771	150
Water Meter	543	2010	25	Average	2035	Low Priority	28.61447	-81.3769	150
Water Meter	544	2010	25	Average	2035	Low Priority	28.61447	-81.3769	150
Water Meter	545	2010	25	Average	2035	Low Priority	28.61461	-81.3767	150
Water Meter	554	2010	25	Average	2035	Low Priority	28.61461	-81.3767	150
Water Meter	547	2010	25	Average	2035	Low Priority	28.61461	-81.3767	150
Water Meter	536	2010	25	Average	2035	Low Priority	28.61449	-81.3764	150
Water Meter	548	2010	25	Average	2035	Low Priority	28.61449	-81.3764	150
Water Meter	549	2010	25	Average	2035	Low Priority	28.61463	-81.3763	150
Water Meter	552	2010	25	Average	2035	Low Priority	28.61463	-81.3762	150
Water Meter	551	2010	25	Average	2035	Low Priority	28.6145	-81.376	150
Water Meter	607	2010	25	Average	2035	Low Priority	28.6145	-81.376	150
Water Meter	553	2010	25	Average	2035	Low Priority	28.61464	-81.3758	150
Water Meter	546	2010	25	Average	2035	Low Priority	28.61464	-81.3758	150
Water Meter	649	2010	25	Average	2035	Low Priority	28.61636	-81.3793	150
Water Meter	650	2010	25	Average	2035	Low Priority	28.61637	-81.3792	150
Water Meter	651	2010	25	Average	2035	Low Priority	28.61624	-81.379	150
Water Meter	652	2010	25	Average	2035	Low Priority	28.61624	-81.379	150
Water Meter	653	2010	25	Average	2035	Low Priority	28.61616	-81.3788	150
Water Meter	647	2010	25	Average	2035	Low Priority	28.61588	-81.3789	150
Water Meter	667	2010	25	Average	2035	Low Priority	28.61587	-81.3789	150
Water Meter	677	2010	25	Average	2035	Low Priority	28.61565	-81.3788	150
Water Meter	676	2010	25	Average	2035	Low Priority	28.61565	-81.3788	150
Water Meter	665	2010	25	Average	2035	Low Priority	28.61578	-81.3788	150
Water Meter	675	2010	25	Average	2035	Low Priority	28.61692	-81.3788	150
Water Meter	648	2010	25	Average	2035	Low Priority	28.61703	-81.3788	150
Water Meter	674	2010	25	Average	2035	Low Priority	28.61721	-81.3788	150
Water Meter	673	2010	25	Average	2035	Low Priority	28.61738	-81.3788	150
Water Meter	672	2010	25	Average	2035	Low Priority	28.61648	-81.3788	150
Water Meter	671	2010	25	Average	2035	Low Priority	28.61648	-81.3788	150
Water Meter	670	2010	25	Average	2035	Low Priority	28.61622	-81.3781	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	669	2010	25	Average	2035	Low Priority	28.61623	-81.3783	150
Water Meter	668	2010	25	Average	2035	Low Priority	28.61624	-81.3783	150
Water Meter	654	2010	25	Average	2035	Low Priority	28.61631	-81.3774	150
Water Meter	666	2010	25	Average	2035	Low Priority	28.61633	-81.3769	150
Water Meter	678	2010	25	Average	2035	Low Priority	28.61633	-81.3765	150
Water Meter	664	2010	25	Average	2035	Low Priority	28.61633	-81.3765	150
Water Meter	663	2010	25	Average	2035	Low Priority	28.61633	-81.3765	150
Water Meter	662	2010	25	Average	2035	Low Priority	28.61624	-81.376	150
Water Meter	661	2010	25	Average	2035	Low Priority	28.61624	-81.3766	150
Water Meter	660	2010	25	Average	2035	Low Priority	28.61621	-81.3772	150
Water Meter	659	2010	25	Average	2035	Low Priority	28.61621	-81.3772	150
Water Meter	658	2010	25	Average	2035	Low Priority	28.61668	-81.3757	150
Water Meter	657	2010	25	Average	2035	Low Priority	28.61751	-81.3757	150
Water Meter	656	2010	25	Average	2035	Low Priority	28.61821	-81.3757	150
Water Meter	655	2010	25	Average	2035	Low Priority	28.61828	-81.3757	150
Water Meter	710	2010	25	Average	2035	Low Priority	28.61746	-81.378	150
Water Meter	711	2010	25	Average	2035	Low Priority	28.61759	-81.3785	150
Water Meter	712	2010	25	Average	2035	Low Priority	28.61762	-81.3795	150
Water Meter	713	2010	25	Average	2035	Low Priority	28.61737	-81.3774	150
Water Meter	690	2010	25	Average	2035	Low Priority	28.61738	-81.3772	150
Water Meter	707	2010	25	Average	2035	Low Priority	28.61831	-81.3766	150
Water Meter	705	2010	25	Average	2035	Low Priority	28.618	-81.3769	150
Water Meter	682	2010	25	Average	2035	Low Priority	28.61746	-81.3768	150
Water Meter	683	2010	25	Average	2035	Low Priority	28.61715	-81.3769	150
Water Meter	684	2010	25	Average	2035	Low Priority	28.61711	-81.3769	150
Water Meter	685	2010	25	Average	2035	Low Priority	28.61687	-81.3769	150
Water Meter	686	2010	25	Average	2035	Low Priority	28.61687	-81.3769	150
Water Meter	687	2010	25	Average	2035	Low Priority	28.61685	-81.3769	150
Water Meter	697	2010	25	Average	2035	Low Priority	28.61668	-81.3769	150
Water Meter	689	2010	25	Average	2035	Low Priority	28.61573	-81.3769	150
Water Meter	681	2010	25	Average	2035	Low Priority	28.61561	-81.3769	150
Water Meter	691	2010	25	Average	2035	Low Priority	28.61581	-81.377	150
Water Meter	692	2010	25	Average	2035	Low Priority	28.61704	-81.377	150
Water Meter	693	2010	25	Average	2035	Low Priority	28.61705	-81.3771	150
Water Meter	694	2010	25	Average	2035	Low Priority	28.61865	-81.376	150
Water Meter	695	2010	25	Average	2035	Low Priority	28.61863	-81.377	150
Water Meter	696	2010	25	Average	2035	Low Priority	28.61862	-81.3771	150
Water Meter	717	2010	25	Average	2035	Low Priority	28.61863	-81.3771	150
Water Meter	743	2010	25	Average	2035	Low Priority	28.61814	-81.3763	150
Water Meter	714	2010	25	Average	2035	Low Priority	28.6175	-81.3763	150
Water Meter	736	2010	25	Average	2035	Low Priority	28.61729	-81.3764	150
Water Meter	737	2010	25	Average	2035	Low Priority	28.61713	-81.3764	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	738	2010	25	Average	2035	Low Priority	28.61712	-81.3764	150
Water Meter	739	2010	25	Average	2035	Low Priority	28.61704	-81.3764	150
Water Meter	740	2010	25	Average	2035	Low Priority	28.61681	-81.3764	150
Water Meter	751	2010	25	Average	2035	Low Priority	28.6167	-81.3764	150
Water Meter	742	2010	25	Average	2035	Low Priority	28.61595	-81.3763	150
Water Meter	734	2010	25	Average	2035	Low Priority	28.61583	-81.3763	150
Water Meter	679	2010	25	Average	2035	Low Priority	28.6157	-81.3763	150
Water Meter	744	2010	25	Average	2035	Low Priority	28.61544	-81.3763	150
Water Meter	688	2010	25	Average	2035	Low Priority	28.61543	-81.3763	150
Water Meter	726	2010	25	Average	2035	Low Priority	28.6186	-81.3799	150
Water Meter	116	2010	25	Average	2035	Low Priority	28.62098	-81.3872	150
Water Meter	278	2010	25	Average	2035	Low Priority	28.62021	-81.3856	150
Water Meter	277	2010	25	Average	2035	Low Priority	28.62021	-81.3856	150
Water Meter	276	2010	25	Average	2035	Low Priority	28.62023	-81.3852	150
Water Meter	275	2010	25	Average	2035	Low Priority	28.62023	-81.3852	150
Water Meter	274	2010	25	Average	2035	Low Priority	28.62031	-81.3845	150
Water Meter	297	2010	25	Average	2035	Low Priority	28.62031	-81.3846	150
Water Meter	279	2010	25	Average	2035	Low Priority	28.62036	-81.385	150
Water Meter	281	2010	25	Average	2035	Low Priority	28.62036	-81.385	150
Water Meter	306	2010	25	Average	2035	Low Priority	28.62035	-81.3854	150
Water Meter	305	2010	25	Average	2035	Low Priority	28.62035	-81.3854	150
Water Meter	304	2010	25	Average	2035	Low Priority	28.62035	-81.3856	150
Water Meter	303	2010	25	Average	2035	Low Priority	28.62078	-81.3858	150
Water Meter	302	2010	25	Average	2035	Low Priority	28.6209	-81.3856	150
Water Meter	301	2010	25	Average	2035	Low Priority	28.6209	-81.3853	150
Water Meter	300	2010	25	Average	2035	Low Priority	28.62091	-81.385	150
Water Meter	290	2010	25	Average	2035	Low Priority	28.62091	-81.385	150
Water Meter	298	2010	25	Average	2035	Low Priority	28.62092	-81.3846	150
Water Meter	307	2010	25	Average	2035	Low Priority	28.6209	-81.3844	150
Water Meter	296	2010	25	Average	2035	Low Priority	28.62091	-81.3844	150
Water Meter	295	2010	25	Average	2035	Low Priority	28.6205	-81.3838	150
Water Meter	294	2010	25	Average	2035	Low Priority	28.62053	-81.3836	150
Water Meter	293	2010	25	Average	2035	Low Priority	28.62053	-81.3836	150
Water Meter	292	2010	25	Average	2035	Low Priority	28.62049	-81.3833	150
Water Meter	270	2010	25	Average	2035	Low Priority	28.62049	-81.3833	150
Water Meter	299	2010	25	Average	2035	Low Priority	28.6206	-81.3823	150
Water Meter	273	2010	25	Average	2035	Low Priority	28.62052	-81.3822	150
Water Meter	252	2010	25	Average	2035	Low Priority	28.62061	-81.3826	150
Water Meter	251	2010	25	Average	2035	Low Priority	28.62062	-81.3828	150
Water Meter	250	2010	25	Average	2035	Low Priority	28.62063	-81.3831	150
Water Meter	249	2010	25	Average	2035	Low Priority	28.62063	-81.3831	150
Water Meter	248	2010	25	Average	2035	Low Priority	28.62062	-81.3834	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	247	2010	25	Average	2035	Low Priority	28.62064	-81.3835	150
Water Meter	237	2010	25	Average	2035	Low Priority	28.62062	-81.3836	150
Water Meter	245	2010	25	Average	2035	Low Priority	28.62062	-81.3837	150
Water Meter	253	2010	25	Average	2035	Low Priority	28.62047	-81.3829	150
Water Meter	243	2010	25	Average	2035	Low Priority	28.62046	-81.3829	150
Water Meter	242	2010	25	Average	2035	Low Priority	28.62011	-81.3828	150
Water Meter	244	2010	25	Average	2035	Low Priority	28.62008	-81.3828	150
Water Meter	246	2010	25	Average	2035	Low Priority	28.62033	-81.3817	150
Water Meter	269	2010	25	Average	2035	Low Priority	28.6203	-81.3813	150
Water Meter	268	2010	25	Average	2035	Low Priority	28.62029	-81.381	150
Water Meter	267	2010	25	Average	2035	Low Priority	28.62029	-81.381	150
Water Meter	266	2010	25	Average	2035	Low Priority	28.62027	-81.3807	150
Water Meter	265	2010	25	Average	2035	Low Priority	28.62026	-81.3803	150
Water Meter	264	2010	25	Average	2035	Low Priority	28.62044	-81.3801	150
Water Meter	254	2010	25	Average	2035	Low Priority	28.62054	-81.3802	150
Water Meter	262	2010	25	Average	2035	Low Priority	28.62042	-81.3804	150
Water Meter	271	2010	25	Average	2035	Low Priority	28.62042	-81.3806	150
Water Meter	260	2010	25	Average	2035	Low Priority	28.62038	-81.3808	150
Water Meter	259	2010	25	Average	2035	Low Priority	28.62039	-81.381	150
Water Meter	258	2010	25	Average	2035	Low Priority	28.62039	-81.381	150
Water Meter	257	2010	25	Average	2035	Low Priority	28.62041	-81.3812	150
Water Meter	256	2010	25	Average	2035	Low Priority	28.62043	-81.3813	150
Water Meter	255	2010	25	Average	2035	Low Priority	28.62043	-81.3817	150
Water Meter	445	2010	25	Average	2035	Low Priority	28.62066	-81.3815	150
Water Meter	446	2010	25	Average	2035	Low Priority	28.62097	-81.3813	150
Water Meter	462	2010	25	Average	2035	Low Priority	28.62099	-81.3811	150
Water Meter	447	2010	25	Average	2035	Low Priority	28.62099	-81.381	150
Water Meter	442	2010	25	Average	2035	Low Priority	28.62095	-81.3804	150
Water Meter	449	2010	25	Average	2035	Low Priority	28.62011	-81.3829	150
Water Meter	450	2010	25	Average	2035	Low Priority	28.6205	-81.3826	150
Water Meter	439	2010	25	Average	2035	Low Priority	28.62008	-81.3839	150
Water Meter	429	2010	25	Average	2035	Low Priority	28.62039	-81.3839	150
Water Meter	440	2010	25	Average	2035	Low Priority	28.62061	-81.384	150
Water Meter	30	2010	25	Average	2035	Low Priority	28.62016	-81.3914	150
Water Meter	31	2010	25	Average	2035	Low Priority	28.62033	-81.3914	150
Water Meter	32	2010	25	Average	2035	Low Priority	28.62056	-81.3914	150
Water Meter	33	2010	25	Average	2035	Low Priority	28.62081	-81.3914	150
Water Meter	34	2010	25	Average	2035	Low Priority	28.62084	-81.3914	150
Water Meter	35	2010	25	Average	2035	Low Priority	28.62085	-81.3915	150
Water Meter	36	2010	25	Average	2035	Low Priority	28.62053	-81.3915	150
Water Meter	37	2010	25	Average	2035	Low Priority	28.62045	-81.3915	150
Water Meter	52	2010	25	Average	2035	Low Priority	28.62032	-81.3915	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	39	2010	25	Average	2035	Low Priority	28.62025	-81.3915	150
Water Meter	45	2010	25	Average	2035	Low Priority	28.62107	-81.3923	150
Water Meter	46	2010	25	Average	2035	Low Priority	28.62095	-81.3923	150
Water Meter	47	2010	25	Average	2035	Low Priority	28.6208	-81.3923	150
Water Meter	48	2010	25	Average	2035	Low Priority	28.62068	-81.3923	150
Water Meter	49	2010	25	Average	2035	Low Priority	28.6205	-81.3923	150
Water Meter	50	2010	25	Average	2035	Low Priority	28.62034	-81.3923	150
Water Meter	14	2010	25	Average	2035	Low Priority	28.62022	-81.3923	150
Water Meter	12	2010	25	Average	2035	Low Priority	28.62012	-81.3923	150
Water Meter	1	2010	25	Average	2035	Low Priority	28.62006	-81.3922	150
Water Meter	15	2010	25	Average	2035	Low Priority	28.62022	-81.3922	150
Water Meter	16	2010	25	Average	2035	Low Priority	28.6203	-81.3922	150
Water Meter	17	2010	25	Average	2035	Low Priority	28.62043	-81.3922	150
Water Meter	18	2010	25	Average	2035	Low Priority	28.62099	-81.3922	150
Water Meter	19	2010	25	Average	2035	Low Priority	28.62108	-81.3922	150
Water Meter	23	2010	25	Average	2035	Low Priority	28.62058	-81.393	150
Water Meter	24	2010	25	Average	2035	Low Priority	28.62092	-81.393	150
Water Meter	25	2010	25	Average	2035	Low Priority	28.62104	-81.393	150
Water Meter	2	2010	25	Average	2035	Low Priority	28.6211	-81.3932	150
Water Meter	58	2010	25	Average	2035	Low Priority	28.62113	-81.3932	150
Water Meter	86	2010	25	Average	2035	Low Priority	28.62094	-81.3931	150
Water Meter	81	2010	25	Average	2035	Low Priority	28.62072	-81.3932	150
Water Meter	82	2010	25	Average	2035	Low Priority	28.62068	-81.3931	150
Water Meter	83	2010	25	Average	2035	Low Priority	28.62052	-81.3931	150
Water Meter	84	2010	25	Average	2035	Low Priority	28.62042	-81.3931	150
Water Meter	90	2010	25	Average	2035	Low Priority	28.62018	-81.3931	150
Water Meter	103	2010	25	Average	2035	Low Priority	28.62103	-81.394	150
Water Meter	102	2010	25	Average	2035	Low Priority	28.62098	-81.394	150
Water Meter	101	2010	25	Average	2035	Low Priority	28.6208	-81.3939	150
Water Meter	100	2010	25	Average	2035	Low Priority	28.62072	-81.394	150
Water Meter	99	2010	25	Average	2035	Low Priority	28.62072	-81.394	150
Water Meter	98	2010	25	Average	2035	Low Priority	28.62058	-81.3939	150
Water Meter	28	2010	25	Average	2035	Low Priority	28.62043	-81.3939	150
Water Meter	78	2010	25	Average	2035	Low Priority	28.62029	-81.3939	150
Water Meter	66	2010	25	Average	2035	Low Priority	28.62011	-81.3938	150
Water Meter	79	2010	25	Average	2035	Low Priority	28.62045	-81.3938	150
Water Meter	64	2010	25	Average	2035	Low Priority	28.62054	-81.3938	150
Water Meter	63	2010	25	Average	2035	Low Priority	28.6206	-81.3938	150
Water Meter	62	2010	25	Average	2035	Low Priority	28.62076	-81.3938	150
Water Meter	61	2010	25	Average	2035	Low Priority	28.62088	-81.3938	150
Water Meter	85	2010	25	Average	2035	Low Priority	28.62098	-81.3938	150
Water Meter	376	2010	25	Average	2035	Low Priority	28.62009	-81.3757	150

Water Meters									
ID	Name	Installed	Design Life	Condition	EOL	Risk Description	Latitude	Longitude	Replacement Cost
Water Meter	377	2010	25	Average	2035	Low Priority	28.62008	-81.3757	150
Water Meter	352	2010	25	Average	2035	Low Priority	28.62038	-81.3792	150
Water Meter	404	2010	25	Average	2035	Low Priority	28.62056	-81.3792	150
Water Meter	409	2010	25	Average	2035	Low Priority	28.6208	-81.3792	150
Water Meter	410	2010	25	Average	2035	Low Priority	28.62064	-81.3793	150
Water Meter	406	2010	25	Average	2035	Low Priority	28.62022	-81.379	150
Water Meter	411	2010	25	Average	2035	Low Priority	28.62023	-81.379	150
Water Meter	412	2010	25	Average	2035	Low Priority	28.62025	-81.3786	150
Water Meter	418	2010	25	Average	2035	Low Priority	28.62025	-81.3786	150
Water Meter	414	2010	25	Average	2035	Low Priority	28.62025	-81.3782	150
Water Meter	415	2010	25	Average	2035	Low Priority	28.62025	-81.3782	150
Water Meter	416	2010	25	Average	2035	Low Priority	28.62024	-81.378	150
Water Meter	417	2010	25	Average	2035	Low Priority	28.62034	-81.378	150
Water Meter	413	2010	25	Average	2035	Low Priority	28.62034	-81.378	150
Water Meter	419	2010	25	Average	2035	Low Priority	28.62034	-81.3782	150
Water Meter	408	2010	25	Average	2035	Low Priority	28.62035	-81.3784	150
Water Meter	405	2010	25	Average	2035	Low Priority	28.62035	-81.3786	150
Water Meter	402	2010	25	Average	2035	Low Priority	28.62035	-81.3788	150
Water Meter	403	2010	25	Average	2035	Low Priority	28.62036	-81.3775	150
Water Meter	380	2010	25	Average	2035	Low Priority	28.62036	-81.3774	150
Water Meter	401	2010	25	Average	2035	Low Priority	28.62026	-81.3773	150
Water Meter	400	2010	25	Average	2035	Low Priority	28.62026	-81.3773	150
Water Meter	399	2010	25	Average	2035	Low Priority	28.62026	-81.3771	150
Water Meter	398	2010	25	Average	2035	Low Priority	28.62037	-81.3771	150
Water Meter	397	2010	25	Average	2035	Low Priority	28.62041	-81.3765	150
Water Meter	393	2010	25	Average	2035	Low Priority	28.62029	-81.3764	150
Water Meter	396	2010	25	Average	2035	Low Priority	28.62031	-81.3762	150
Water Meter	407	2010	25	Average	2035	Low Priority	28.6203	-81.3762	150
Water Meter	395	2010	25	Average	2035	Low Priority	28.62059	-81.3765	150
Water Meter	394	2010	25	Average	2035	Low Priority	28.62061	-81.3765	150

Appendix C: Revplan

Eatonville										
Eatonville 24										
Fiscal Year: 2024										
Water Revenue Requirements										
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Revenue Requirements:										
Operating Expenses	$505,100	$520,300	$535,900	$552,000	$568,500	$585,600	$603,200	$621,300	$639,900	$659,100
Debt Service	$0	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800
Other Expenses/Transfers	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Capital Expenditures	$76,700	$93,600	$93,600	$93,600	$93,600	$28,500	$21,600	$21,600	$21,600	$21,600
Gross Revenue Requirements	$581,900	$691,700	$707,300	$723,300	$739,900	$691,900	$702,600	$720,700	$739,300	$758,500
Less: Other Revenue	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500
Net Revenue Requirements	$494,400	$604,200	$619,800	$635,900	$652,400	$604,400	$615,100	$633,200	$651,800	$671,000
Existing Rate Sufficiency:										
Revenue from Existing Rates	$260,800	$260,800	$260,800	$260,800	$260,800	$260,800	$260,800	$260,800	$260,800	$260,800
Revenue Surplus/(Deficiency)	-$233,600	-$343,400	-$359,000	-$375,100	-$391,600	-$343,600	-$354,300	-$372,400	-$391,000	-$410,200
Proposed Rate Sufficiency:										
Revenue from Proposed Rates	$260,800	$766,700	$774,400	$782,100	$790,000	$797,900	$805,800	$813,900	$822,000	$830,300
Increase in Revenue	$0	$505,900	$513,600	$521,300	$529,200	$537,100	$545,000	$553,100	$561,200	$569,500
Cumulative %										
All Customer Classes										
Base Charges	0.00%	194.00%	196.94%	199.91%	202.91%	205.94%	209.00%	212.09%	215.21%	218.36%
Usage Charges	0.00%	194.00%	196.94%	199.91%	202.91%	205.94%	209.00%	212.09%	215.21%	218.36%
Current Year %										
All Customer Classes										
Base Charges	0.00%	194.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Usage Charges	0.00%	194.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Revenue Surplus/(Deficiency)	-$233,600	$162,500	$154,600	$146,300	$137,500	$193,500	$190,700	$180,700	$170,200	$159,200

Eatonville
Eatonville 24
Fiscal Year: 2024
Debt Service Coverage

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Revenue:										
Revenue from Proposed Drinking Water Rates	$260,800	$766,700	$774,400	$782,100	$790,000	$797,900	$805,800	$813,900	$822,000	$830,300
Revenue from Proposed Wastewater Rates	$365,200	$913,100	$922,200	$931,400	$940,800	$950,200	$959,700	$969,300	$978,900	$988,700
Subtotal - Rate Revenue	$626,000	$1,679,800	$1,696,600	$1,713,600	$1,730,700	$1,748,000	$1,765,500	$1,783,200	$1,801,000	$1,819,000
Miscellaneous Revenue - Drinking Water	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500
Miscellaneous Revenue - Wastewater	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500
Total Revenue	$801,000	$1,854,800	$1,871,600	$1,888,500	$1,905,700	$1,923,000	$1,940,400	$1,958,100	$1,975,900	$1,993,900
Operating Expenses:										
Drinking Water	$505,100	$520,300	$535,900	$552,000	$568,500	$585,600	$603,200	$621,300	$639,900	$659,100
Wastewater	$634,900	$653,900	$673,600	$693,800	$714,600	$736,000	$758,100	$780,800	$804,300	$828,400
Total Operating Expenses	$1,140,000	$1,174,200	$1,209,500	$1,245,800	$1,283,100	$1,321,600	$1,361,300	$1,402,100	$1,444,200	$1,487,500
Net Revenue	-$339,100	$680,500	$662,100	$642,800	$622,500	$601,300	$579,200	$556,000	$531,800	$506,400
Debt Service:										
Drinking Water	$0	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800
Wastewater	$87,900	$165,800	$165,900	$166,000	$166,100	$166,200	$166,300	$166,400	$166,500	$166,600
Total Debt Service	$87,900	$243,500	$243,600	$243,700	$243,800	$243,900	$244,000	$244,100	$244,200	$244,300
Debt Service Coverage	-3.86	2.79	2.72	2.64	2.55	2.47	2.37	2.28	2.18	2.07
Net Revenue Less Debt Service	-$427,000	$437,000	$418,500	$399,000	$378,700	$357,400	$335,200	$311,900	$287,500	$262,100
Capital Expenditures:										
Drinking Water	$76,700	$93,600	$93,600	$93,600	$93,600	$28,500	$21,600	$21,600	$21,600	$21,600
Wastewater	$0	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800
Total Capital Expenditures	$76,700	$147,400	$147,400	$147,400	$147,400	$82,300	$75,400	$75,400	$75,400	$75,400
Other Expenses/Transfers:										
Drinking Water	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Wastewater	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Other Expenses/Transfers	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Revenue Surplus/(Deficiency)	-$503,700	$289,600	$271,100	$251,600	$231,300	$275,100	$259,700	$236,400	$212,100	$186,700

Eatonville
Eatonville 24
Fiscal Year: 2024
Unrestricted Fund Balance

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Utility Reserve Funds:										
Beginning of Year Balance	$503,700	$0	$289,600	$560,600	$812,300	$1,043,600	$1,318,700	$1,578,400	$1,814,900	$2,027,000
Addition to Current Year	-$503,700	$289,600	$271,100	$251,600	$231,300	$275,100	$259,700	$236,400	$212,100	$186,700
End of Year Balance	$0	$289,600	$560,600	$812,300	$1,043,600	$1,318,700	$1,578,400	$1,814,900	$2,027,000	$2,213,700

Eatonville
Eatonville 24
Fiscal Year: 2024
CIP Schedule

Description	Funding Source	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Water Asset Management Reserve	Water Revenues	$0	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000
Wastewater Collection	Wastewater Revenues	$0	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800
Water Tower	Water Revenues	$76,700	$83,600	$83,600	$83,600	$83,600	$18,500	$11,600	$11,600	$11,600	$11,600
Piping from Lake Weston to S. Keller	Grant	$122,000	$810,000	$0	$0	$0	$0	$0	$0	$0	$0
Abandon AC pipe to WTP	Grant	$264,000	$1,755,000	$0	$0	$0	$0	$0	$0	$0	$0
Upsize WTP to 16"	Grant	$0	$0	$213,000	$0	$0	$0	$0	$0	$0	$0
Modify CUP	Grant	$0	$0	$75,000	$0	$0	$0	$0	$0	$0	$0
Well Drowdown	Grant	$0	$0	$50,000	$0	$0	$0	$0	$0	$0	$0
Upsize Well Pumps and Motors	Grant	$0	$0	$150,000	$0	$0	$0	$0	$0	$0	$0
Construct 0.5MG GST	Grant	$0	$0	$150,000	$1,000,000	$0	$0	$0	$0	$0	$0
WTP Ops BLDG	Grant	$25,000	$25,000	$0	$600,000	$4,000,000	$0	$0	$0	$0	$0
Increase Main line Dimensions	Grant	$0	$0	$198,000	$1,320,000	$0	$0	$0	$0	$0	$0
LFA Well to AWS	Grant	$0	$0	$0	$0	$0	$400,000	$400,000	$400,000	$400,000	$400,000
Maitland Interconnect	Grant	$0	$0	$0	$0	$0	$25,000	$0	$0	$0	$0
Replace non-pvc 6" mains	Grant	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000
Vereen LS	Grant	$94,000	$332,500	$332,500	$0	$0	$0	$0	$0	$0	$0
Lake Lovely Rehab	Grant	$222,000	$1,669,000	$1,669,000	$0	$0	$0	$0	$0	$0	$0
Eastern Service Area Rehab	Grant	$0	$854,000	$4,268,000	$4,268,000	$4,268,000	$0	$0	$0	$0	$0
Pre-Eval New WTP	Grant	$0	$0	$0	$0	$130,000	$0	$0	$0	$0	$0

	Funding Source	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
	Water Revenues	$76,700	$93,600	$93,600	$93,600	$93,600	$28,500	$21,600	$21,600	$21,600	$21,600
	Wastewater Revenues	$0	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800
	Grant	$827,000	$5,545,500	$7,205,500	$7,288,000	$8,498,000	$525,000	$500,000	$500,000	$500,000	$500,000
	Total	$903,700	$5,692,900	$7,352,900	$7,435,400	$8,645,400	$607,300	$575,400	$575,400	$575,400	$575,400

Eatonville
Eatonville 24
Fiscal Year: 2024
Debt Service Schedule

Debt	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
Existing Debts:													
CW 480200	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400
CW 480202	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800
CW 480240	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500
USDA 2019A	$3,800	$3,900	$3,900	$4,000	$4,100	$4,100	$4,200	$4,300	$4,400	$4,400	$4,500	$4,600	$4,700
USDA 2019B	$1,500	$1,500	$1,500	$1,600	$1,600	$1,600	$1,600	$1,700	$1,700	$1,700	$1,800	$1,800	$1,800
Anticipated Debts:													
General Fund Reimbursement	$0	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500
Total	$87,900	$243,500	$243,600	$243,700	$243,800	$243,900	$244,000	$244,100	$244,200	$244,300	$244,400	$244,500	$244,700
Drinking Water	$0	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800
Wastewater	$87,900	$165,800	$165,900	$166,000	$166,100	$166,200	$166,300	$166,400	$166,500	$166,600	$166,700	$166,800	$166,900

Eatonville
Eatonville 24
Fiscal Year: 2024
Rate Schedule

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Drinking Water										
Residential										
Base Charges Inside City										
5/8-inch	$8.75	$25.73	$25.98	$26.24	$26.50	$26.77	$27.04	$27.31	$27.58	$27.86
Usage Charges Inside City										
0 to 1,000 gallons	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
1,001 to 10,000 gallons	$1.70	$5.00	$5.05	$5.10	$5.15	$5.20	$5.25	$5.31	$5.36	$5.41
10,001 gallons or more	$2.89	$8.50	$8.58	$8.67	$8.75	$8.84	$8.93	$9.02	$9.11	$9.20
Commercial										
Base Charges Inside City										
5/8-inch	$14.63	$43.01	$43.44	$43.88	$44.32	$44.76	$45.21	$45.66	$46.11	$46.58
Usage Charges Inside City										
0 to 3,000 gallons	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
3,001 to 10,000 gallons	$1.90	$5.59	$5.64	$5.70	$5.76	$5.81	$5.87	$5.93	$5.99	$6.05
10,001 gallons or more	$2.74	$8.06	$8.14	$8.22	$8.30	$8.38	$8.47	$8.55	$8.64	$8.72
Water 08										
Base Charges Inside City										
5/8-inch	$72.01	$211.71	$213.83	$215.96	$218.12	$220.31	$222.51	$224.73	$226.98	$229.25
Usage Charges Inside City										
0 to 3,000 gallons	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
3,001 gallons or more	$1.90	$5.59	$5.64	$5.70	$5.76	$5.81	$5.87	$5.93	$5.99	$6.05
Water 64										
Base Charges Inside City										
5/8-inch	$576.22	$1,694.09	$1,711.03	$1,728.14	$1,745.42	$1,762.87	$1,780.50	$1,798.31	$1,816.29	$1,834.45
Usage Charges Inside City										
0 to 3,000 gallons	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
3,001 to 10,000 gallons	$1.76	$5.17	$5.23	$5.28	$5.33	$5.38	$5.44	$5.49	$5.55	$5.60
10,001 gallons or more	$2.38	$7.00	$7.07	$7.14	$7.21	$7.28	$7.35	$7.43	$7.50	$7.58
Water 80										
Base Charges Inside City										
5/8-inch	$720.29	$2,117.65	$2,138.83	$2,160.22	$2,181.82	$2,203.64	$2,225.67	$2,247.93	$2,270.41	$2,293.11
Usage Charges Inside City										
0 to 3,000 gallons	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
3,001 to 10,000 gallons	$1.76	$5.17	$5.23	$5.28	$5.33	$5.38	$5.44	$5.49	$5.55	$5.60
10,001 gallons or more	$2.38	$7.00	$7.07	$7.14	$7.21	$7.28	$7.35	$7.43	$7.50	$7.58

Eatonville										
Eatonville 24										
Fiscal Year: 2024										
Typical Monthly Bill, Residential Inside City, 5,000 Gallons										
	2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Drinking Water										
Base Charge	$8.75	$25.73	$25.98	$26.24	$26.50	$26.77	$27.04	$27.31	$27.58	$27.86
Usage Charge, 5,000 Gallons	$6.80	$19.99	$20.19	$20.39	$20.60	$20.80	$21.01	$21.22	$21.43	$21.65
Subtotal	$15.55	$45.72	$46.17	$46.64	$47.10	$47.57	$48.05	$48.53	$49.01	$49.50
Wastewater										
Base Charge	$17.61	$44.03	$44.47	$44.91	$45.36	$45.81	$46.27	$46.73	$47.20	$47.67
Usage Charge, 5,000 Gallons	$8.76	$21.90	$22.12	$22.34	$22.56	$22.79	$23.02	$23.25	$23.48	$23.71
Subtotal	$26.37	$65.93	$66.58	$67.25	$67.92	$68.60	$69.29	$69.98	$70.68	$71.39
Combined Bill	$41.92	$111.64	$112.76	$113.89	$115.02	$116.18	$117.34	$118.51	$119.70	$120.89

HISTORIC TOWN OF EATONVILLE, FLORIDA

TOWN COUNCIL WORKSHOP

SEPTEMBER 3, 2024, AT 6:30 PM

Cover Sheet

***NOTE** Please do not change the formatting of this document (font style, size, paragraph spacing etc.)*

ITEM TITLE: Discussion of the Wastewater System Asset Management and Fiscal Sustainability (AMFS) plan for the Town of Eatonville **(Public Works)**

TOWN COUNCIL ACTION:

PROCLAMATIONS, AWARDS, AND PRESENTATIONS		**Department:** PUBLIC WORKS DEPARTMENT
INTRODUCTIONS		**Exhibits:** Town of Eatonville Wastewater System Asset Management Plan prepared by the Florida Rural Water Association in partnership with Florida Department of Environmental Protection and Clean Water State Revolving Fund Program. 8/21/2024
CONSENT AGENDA		
COUNCIL DISCUSSION	YES	
ADMINISTRATIVE		

REQUEST: Request is for the Town Council to hear and discuss a presentation from the Florida Rural Water Association. The Florida Rural Water Association will present to the Town Council the Wastewater Asset Management Plan. This is the first of two requirements to receive the $19M Clean Water funding from the FDEP. We are requesting adoption of this plan by resolution.

SUMMARY: This report outlines the critical assets that require Capital funding to operate as designed and within regulatory compliance. The report gives a detailed description of needed improvements. This plan adoption is a prerequisite for the SRF clean water funding.

RECOMMENDATION: Recommendation is for the Town Council to hear and discuss a presentation from the Florida Rural Water Association and consider adoption of the Asset Management Plan

FISCAL & EFFICIENCY DATA: N/A

RESOLUTION NO. 2024-25

A RESOLUTION OF THE TOWN OF EATONVILLE FLORIDA, APPROVING THE TOWN OF EATONVILLE WASTEWATER UTILITY ASSET MANAGEMENT AND FISCAL SUSTAINABILITY PLAN; AUTHORIZING THE PUBLIC WORKS DIRECTOR TO TAKE ALL ACTIONS NECESSARY TO EFFECTUATE THE INTENT OF THIS RESOLUTION; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Florida Statutes provide for financial assistance to local government agencies to finance construction of the municipal utility system improvements; and

WHEREAS, the Florida Department of Environmental Protection State Revolving Fund (SRF) has designated the Town of Eatonville Wastewater Utility System Improvements identified in the Asset Management and Fiscal Sustainability Plan, as potentially eligible for available funding; and

WHEREAS, as a condition of obtaining funding from the SRF, the Town is required to implement an Asset Management and Fiscal Sustainability Plan for the Town's Wastewater Utility System Improvements; and

WHEREAS, the Town Council of the Town of Eatonville has determined that approval of the attached Asset Management and Fiscal Sustainability Plan for the proposed improvements, in order to obtain necessary funding in accordance with SRF guidelines, is in the best interest of the City.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN OF EATONVILLE TOWN COUNCIL the following:

SECTION 1. That the Town Council hereby approves the Town of Eatonville Wastewater Utility Asset Management and Fiscal Sustainability Plan, attached hereto and incorporated by reference as a part of this Resolution.

SECTION 2. That the Town's Public Works Director is authorized to take all actions necessary to effectuate the intent of this Resolution and to implement the Asset Management and Fiscal Sustainability Plan in accordance with applicable Florida law and Council direction in order to obtain funding from the SRF.

SECTION 3. That the Town will annually evaluate existing rates to determine the need for any increase and will increase rates in accordance with the financial recommendation found in the Asset Management and Fiscal Sustainability Plan or in proportion to the Town's needs as determined by the Council in its discretion.

SECTION 4: CONFLICTS: All Resolutions or parts of Resolutions in conflict with any other Resolution or any of the provisions of the Resolution is hereby repealed.

SECTION 5: SEVERABILITY: If any section or portion of a section of this Resolution is found to be invalid, unlawful or unconstitutional, it shall be held to invalidate or impair the validity, force or effect of any other section or part of this Resolution.

SECTION 6: EFFECTIVE DATE: This Resolution will take effect immediately upon its passage and adoption.

PASSED AND ADOPTED on this 3rd day of September 2024.

Town of Eatonville, FLORIDA

_____
Mayor

ATTEST:

_____
Town Clerk

REVIEWED AND APPROVED:

_____
Town Attorney

FLORIDA RURAL WATER ASSOCIATION

2970 WELLINGTON CIRCLE • TALLAHASSEE, FL 32309-7813
(850) 668-2746

EMAIL
frwa@frwa.net

WEBSITE
www.frwa.net

Mayor Angie Gardner
Town of Eatonville
307 East Kennedy Street
Eatonville, Florida 32751
Date: 8/21/2024

Mayor Angie Gardner:

The Florida Rural Water Association (FRWA) is pleased to submit the Wastewater System Asset Management and Fiscal Sustainability (AMFS) plan to the Town of Eatonville . FRWA prepared this Plan for the Town in partnership with the FDEP Clean Water State Revolving Fund (CWSRF) Program to identify your wastewater system's most urgent and critical needs.

Water and wastewater systems represent critical infrastructure designed to protect public health and the environment. This report assesses the current conditions of your wastewater fixed capital assets (e.g. collection system, manholes), and more importantly provides recommendations, procedures and tools to assist with long range asset protection and wastewater utility reinvestment. FRWA will be available to support the Towns AMFS plan recommendations and implementation.

The following report is considered a living document with tools for your use which must be updated at least annually (quarterly updates are recommended) by the Towns utility management. FRWA will provide electronic copies for your use and future modification and will remain available to assist in updating and revising the AMFS plan.

As a valued FRWA member, it is our goal to help make the most effective and efficient use of your limited resources. This tool is an unbiased, impartial, independent review and is solely intended for achievement of wastewater system fiscal sustainability and maintaining your valuable utility assets. Florida Rural Water Association has enjoyed serving you and wishes your system the best in all its future endeavors.

Sincerely,
Patrick Dangelo
FRWA Utility Asset Management Team
Copy: Mike Chase, FDEP, CW State Revolving Fund
Gary Williams, Florida Rural Water Association, Executive Director

Eatonville Wastewater System Asset Management and Fiscal Sustainability Plan

Prepared for:

TOWN OF EATONVILLE WASTEWATER DEPARTMENT
EATONVILLE , FLORIDA

FL3480327
Prepared by:

FLORIDA RURAL WATER ASSOCIATION
Asset Management Program
In partnership with
Florida Department of Environmental Protection
&
Clean Water State Revolving Fund Program
Date:
August 21, 2024

Table of Contents

Executive Summary

Asset Management Plan Defined

Asset Management Plan (**AMP**) - The International Infrastructure Management Manual defines an asset management plan as a "plan developed for the management of one or more infrastructure assets that combines multi-disciplinary management techniques (including technical and financial) over the life cycle of the asset in the most cost- effective manner to provide a specific level of service."

Lowest life cycle cost refers to the best appropriate cost for rehabilitating, repairing, or replacing an asset. While the level of service is determined by the utility consisting of its staff, customers, board members and regulators. Asset management is implemented through an asset management program and includes a written asset management plan.

Benefits of an AMP:

Implementing and maintaining an active Asset Management Plan will provide numerous benefits to the Utility and its Customers, such as:

- Prolonging asset life and aiding in rehabilitation/repair/replacement decisions through informed, efficient and focused operations and maintenance.
- Increased operational efficiencies.
- Informed operational and management decisions.
- Increased knowledge of asset criticality.
- Meeting consumer demands with a focus on system sustainability and improved communication.
- Setting rates based on sound operational and financial planning.
- Budgeting by focusing on activities critical to sustained performance.
- Meeting system service expectations and regulatory requirements.
- Improving responses to emergencies.
- Improving security and safety of assets.
- Capital improvement projects that meet the true needs of the system and community.
- Provides an impartial unbiased report to help explain rate sufficiency to the community.

State Revolving Fund Requirement:

An active Asset Management Plan (AMP) is a requirement for participation in the State Revolving Fund Program (SRF). Asset Management and Fiscal Sustainability (AMFS) program details are identified in Rulemaking Authority FS. Law Implemented 403.8532 (FS. History–New 4-7-98, Amended 8-10-98, 7-17-17) and Florida Administrative Code (FAC) 62-503.700(7). To be accepted for the interest rate adjustment and to be eligible for reimbursement, an asset management plan must be adopted by ordinance or resolution and written procedures must be in place to not only implement the plan, but to do so in a timely manner.

The plan must include each of the following:

(a) Identification of all assets within the project sponsor's system;
(b) An evaluation of the current age, condition, and anticipated useful life of each asset;
(c) The current value of the assets;
(d) The cost to operate and maintain all assets;
(e) A capital improvement plan based on a survey of industry standards, life expectancy, life cycle analysis, and remaining useful life;
(f) An analysis of funding needs;
(g) An analysis of population growth and drinking water use projections, as applicable, for the sponsor's planning area, and a model, if applicable, for impact fees; commercial, industrial and residential rate structures;
(h) The establishment of an adequate funding rate structure;
(i) A threshold rate set to ensure the proper operation of the utility; if the sponsor transfers any of the utility proceeds to other funds, the rates must be set higher than the threshold rate to facilitate the transfer and proper operation of the utility; and,
(j) A plan to preserve the assets; renewal, replacement, and repair of the assets, as necessary; and a risk-benefit analysis to determine the optimum renewal or replacement time.

AMP Development Stakeholders:

The development of this AMFS plan involved the collective efforts of the Town Management and Staff, the Florida Department of Environmental Protection State Revolving Fund (FDEP-SRF), and the Florida Rural Water Association (FRWA). Resources included Engineers (technical and financial), Certified Operators (operation and maintenance), Rate Sufficiency Analysts and utility staff with first-hand experience with the system.

Critical Assets and Priority Action List:

The Table below contains a listing of the Town of Eatonville 's Critical Assets and Processes and consequence of failure that were found to need Capital and/or Operational funding to operate as designed and within Regulatory Compliance. Please see Section 4 for a detailed description of the asset improvements listed below.

Town of Eatonville Critical Assets List				
Name	Installed	Design Life	Condition	COF
Manholes (4)	Varies	50	Very Poor	Moderate
Manholes (5)	Varies	50	Poor	Moderate
Manholes (5) unable to be assessed	Varies	50	Poor	Moderate
Wet wells (1)	Varies	50	Poor	Major

Based on the list of Critical Assets and Process that were found to need Capital and/or Operational funding and the State requirements for participation in the State Revolving Fund Program (SRF), a Priority Action Plan

was developed to help the Town prioritize action items and establish target dates for timely completion. The Priority Action Plan is found on the following page.

-

Town of Eatonville				
Priority Action List				
Action Item	**Target Date(s)**	**Cost Type**	**Cost**	**Responsible Party or Parties**
1. Pass Resolution Adopting AMFS Plan and Rate Schedule	Within 60 Days from Receipt of Final Plan	Administrative	No Cost	Town Council
2. Determine Level of Service (LOS) Attributes, Goals, Targets, and Metrics and Prepare LOS Agreement	90 Days after Adoption	Planning	No Cost	Town Council, Chief Administrative Officer, Department Director, Staff and Public
3. Train Staff and Begin / continue Using AMFS Tools (Diamond Maps or similar)	90 Days After Adoption	Administrative	Annual Cost - $450 + Local Service Provider Training - No Cost*	Chief Administrative Officer, Department Director, or Designee
4. Train Staff and Begin Using RevPlan	90 Days After Adoption	Administrative	No Cost*	Chief Administrative Officer, Department Director, or Designee
5. Develop Operation and Maintenance Program and Procedures	Within One(1) Year After Adoption	Planning	No Cost*	Chief Administrative Officer, Department Director, or Designee
6. Assess 5 Manholes in poor Condition that were sealed shut or unable to be located	90 Days After Adoption	Administrative	No Cost*	Department Director and Field Staff

Town of Eatonville				
Priority Action List				
Action Item	**Target Date(s)**	**Cost Type**	**Cost**	**Responsible Party or Parties**
7. Install Inflow Shields in Collection System where needed.	On-going beginning FY 2025	Capital	Starting at $150/inflow shield. Total Estimated Cost $22,350 for all 149 manholes.	Department Director and Field Staff
8. Rehabilitate/Replace 28 Poor or Very Poor Condition Manholes.	On-going Beginning FY 2025	Capital	Cost variable depending on Professional Services Scope of Work	Engineer, Chief Administrative Officer, and Department Director
9. Continue with Scheduled Repairs to Lake Lovely and Eastern Service Area Gravity Mains.	FY24- FY28	Grant / Loan	Lake Lovely - $3,560,000 Eastern Service Area- $13,658,000	Chief Administrative Officer, Department Director and Engineer
10. Continue with grant project aimed at Rehabilitation of Vereen Lift Station.	FY 2025-2026	Grant	Estimated $760,000 Cost variable depending on Professional Services Scope of Work	Chief Administrative Officer, Department Director, and Engineer
11.Follow recommendations from generator evaluations recently completed.	FY25	Operational	$12,000 annually per contract with Detroit Diesel	Department Director and Outside Contractor
12. Conduct Smoke Test	FY25	Planning	$1,000*	Department Director and Staff

Town of Eatonville				
Priority Action List				
Action Item	**Target Date(s)**	**Cost Type**	**Cost**	**Responsible Party or Parties**
13. Document Sewer Line Condition and Develop Replacement Strategy.	On-going Beginning FY 2025	Planning	No Cost	Chief Administrative Officer, Department Director and Staff
14. Have Collection System camera inspected and cleaned.	Within One(1) Year After Adoption	Capital	Estimated $15,000 Cost variable depending on Professional Services Scope of Work	Chief Administrative Officer, and Department Director
15. Develop Change Out/Repair and Replacement Program for Critical Assets.	Within One (1) Year After Adoption	Planning	No Cost*	Chief Administrative Officer, Department Director or Designee
16. Conduct Rate Sufficiency Study and Adjust Rate Structure as Needed with RevPlan.	Annually	Planning	No Cost	Chief Administrative Officer, Department Director and Finance Staff
17. Revise AMFS Plan and RevPlan Model	Annually	Administrative	No Cost	Town Council, Chief Administrative Officer, Department Director and Staff
18. Implement suggestions from energy audit.	FY 25-26	Capital	$15,700	Chief Administrative Officer, Department Director or Designee

Town of Eatonville				
Priority Action List				
Action Item	**Target Date(s)**	**Cost Type**	**Cost**	**Responsible Party or Parties**
19. Provide Additional Staff Training Opportunities.	On-going	Administrative	Cost May Vary*	Chief Administrative Officer, Department Director and Staff
20. Explore Financial Assistance Programs.	On-going Beginning FY 2025	Administrative	No Cost*	Chief Administrative Officer, Department Director, Financial Staff and FRWA
21. Implement Annual Asset Replacement Program.	Annually	Operational	Cost will Vary Based on Asset Replacement Program and Strategy	Town Council, Chief Administrative Officer, Department Director and Staff

*** As a member of the Florida Rural Water Association, FRWA is able to assist the Town of Eatonville with this Service.**

Fiscal Strategy and AMP Process Recommendations:

Based on this asset management and fiscal sustainability study, **specific recommendations** related to capital expenditures and operating expenditures over the next five years found in the Preliminary Action List are as follows:

1. Adopt this Asset Management and Fiscal Sustainability Plan (AMFS) study in the form of a Resolution. Appendix A contains a sample AMFS Resolution for the Town of Eatonville .

2. Engage a Florida Registered Engineer to support the Utility in review, funding, planning, design, permitting, and construction of critical capital and operational action items as recommended in this AMFS study.

3. Make funding applications to the following programs/agencies in support of Utility System Upgrades/Improvements as recommended by this AMFS study. A synopsis of utility funding programs can be found at https://www.frwa.net/funding

    a. FDEP-State Revolving Fund (SRF)
    b. Regional Water Management District
    c. Florida Department of Economic Opportunity Community Development Block Grant (CDBG)
    d. USDA Rural Development Direct Loan/Grant (USDA RD)
    e. FDEO Rural Infrastructure Fund Grant (RIF)
    f. Local Funding Initiative Requests

4. Evaluate and Adopt a Utility rate structure that will ensure rate sufficiency as necessary to implement capital improvements.

5. Begin using Diamond Maps for Asset Management Planning (AMP) and Computerized Maintenance Management System (or another CMMS of your choice).

6. Continue to build your asset management program by:

    A. Collecting critical field data and attributes on any new or remaining assets;
    B. Improving on processes which provide cost savings and improved service;
    C. Implementing a checklist of routine maintenance measures;
    D. Benchmarking critical processes annually;
    E. Develop policies that will support funding improvements;
    F. Develop manuals, standard operating procedures and guidelines for critical processes;
    G. Identify responsible persons to implement processes to protect critical assets;
    H. Attend asset management training annually.

1. Introduction

In accordance with FDEP Rule 62-503.700(7), F.A.C., State Revolving Fund (SRF) recipients are encouraged to implement an asset management plan to promote utility system long-term sustainability. To be accepted for the **financing rate adjustment and to be eligible for principal forgiveneness/reimbursement**, an asset management plan must:

1. Be adopted by Ordinance or Resolution.
2. Have written procedures in place to implement the plan.
3. Be implemented in a timely manner.

The plan must include each of the following:

A. Identification of all assets within the project sponsor's (utility) system.

B. An evaluation of utility system assets' current age, condition and anticipated useful life of each asset.

C. Current value of utility system assets.

D. Operation and maintenance cost of all utility system assets.

E. A Capital Improvement Program Plan (CIPP) based on a survey of industry standards, life expectancy, life cycle analysis and remaining useful life.

F. An analysis of funding needs.

G. The establishment of an adequate funding rate structure.

H. An asset preservation plan to include renewal, replacement, repair as necessary and a risk assesment to identify risks and consequences of failure as it pertains to replacement.

I. An analysis of population growth and wastewater treatment demand projections for the utilitys' planning area and an impact fee model, if applicable, for commercial, industrial and residential rate structures.

J. A threshold rate set to ensure proper wastewater system operation and maintenance. <u>If the potential exists for the project sponsor to transfer any of the system proceeds to other funds, rates must be set higher than the threshold rate to facilitate the transfer and maintain proper operation of the system.</u>

Fiscal Sustainability represents the accounting and financial planning process needed for proper management of system assets. It assists in determining such things as:

1. Asset maintenance, repair, or replacement cost;
2. Accurate and timely capital improvement project budgeting;
3. Forecasting near and long-term capital improvement needs;

4. Whether the system is equipped for projected growth; and
5. Adequate reserves exist to address emergency operations.

Fiscal sustainability analysis requires a thorough understanding of the system's assets' current condition and needs. Therefore, fiscal sustainability follows asset management and is improved by sound asset management. Conversely, asset management requires a healthy fiscal outlook, since servicing and care of current assets is not free. Timely expenditures for proper servicing and care of current assets are relatively small when compared to repair and replacement expenditures that inevitably occur with component failure due to neglect.

Having a solid AMFS plan in place will benefit the Town of Eatonville in determining which assets are to be insured and for what amount, and to more effectively and efficiently identify its capital improvement needs and solutions. Additionally, the State Revolving Fund (SRF) requires a system to adopt and implement an AMFS plan to qualify for loan interest rate reduction if funding is sought. An AMFS helps a system more effectively and efficiently identify its capital improvement needs and solutions.

This AMFSP's intended approach is to assist the Town of Eatonville with conducting a basic inventory and condition assessment of its current assets. It is expected that the Town will periodically re-evaluate the condition of its assets, at least annually, to determine asset remaining useful life. A reminder can be established for staff that a given component is nearing time for servicing, repair, or replacement. Furthermore, major capital improvement needs can be reassessed periodically as they are met or resolved.

In short, this plan is not designed to be set in stone, but is intended to be a living, dynamic, evolving document. It is recommended that the Town conduct at least an annual plan review and revise it as necessary throughout the year, resulting in a practical and useful tool for staff.

2. Asset Management Plan

Components of Asset Management:

Asset Management can be described as 'a process for maintaining a desired level of customer service at the best appropriate cost'. Within that statement, 'a desired level of service' is simply what the utility wants their assets to provide. 'Best appropriate cost' is the lowest cost for an asset throughout its life. The goal is providing safe, reliable service while at the same time being conscious of the costs involved both short and long term.

Asset Management includes building an inventory of the utility's assets, developing and implementing a program that schedules and tracks all maintenance tasks, generally through work orders, and developing a set of financial controls that will help manage budgeted and actual annual expenses and revenue. By performing these tasks, targeting the system's future needs will be much easier.

Asset Management provides documentation that helps the utility understand the assets they have, how long these assets will last, and how much it will cost to maintain or replace these assets. The Plan also provides

financial projections which show the utility whether rates and other revenue mechanisms are sufficient to supply the utility's future needs, 5, 10, even 20 years ahead.

Asset Management is made up of five core questions:

1. What is the current status and condition of the utility's assets?
2. What is Level of Service (LOS) required?
3. What assets are considered critical to meeting the required LOS?
4. What are the utility's Capital Improvement Program Plan (CIPP), Operations and maintenance plan (O&M), and asset's Minimum Life Cycle Cost strategies?
5. What is the utility's long term financial strategy?

Implementation:

Implementing and maintaining an active Asset Management Plan will provide numerous benefits to the Utility and its Customers, such as:

- Prolonging asset life and aiding in rehabilitation/repair/replacement decisions.
- Increased operational efficiencies.
- Informed operational and management decisions.
- Increased knowledge of asset criticality.
- Meeting consumer demands with a focus on system sustainability and improved communication.
- Setting rates based on sound operational and financial planning.
- Budgeting by focusing on activities critical to sustained performance.
- Meeting system service expectations and regulatory requirements.
- Improving responses to emergencies.
- Improving security and safety of assets.
- Capital improvement projects that meet the true needs of the system and community.
- Provides an impartial unbiased report to help explain rate sufficiency to the community.

In developing the update to this plan, FRWA personnel collected information on the vast majority of the Town's Wastewater system assets. The information has been entered into or updated in Diamond Maps, a cloud based geographical information system (GIS). FRWA, in partnership with FDEP has contracted with Diamond Maps to develop Asset Management software specifically for small systems at an affordable cost. The software is easy to use, as it is set up for small communities and for water/wastewater systems. The Town has already begun utilizing Diamond Maps and should continue updating assets as they are replaced or added.

Having an asset management tool to keep data current is essential for tracking the utility's assets into the future, to assist with planning and funding for asset rehabilitation or replacement, to schedule and track asset maintenance by issuing work orders, and assigning tasks to personnel who will perform the work and update in the system.

In order to determine Fiscal Sustainability, FRWA uses an online financial tracking and revenue sufficiency-modeling tool, RevPlan. RevPlan is designed to enhance asset and financial management for small/medium

Florida water and wastewater utilities. It provides a free-to-member online tool to achieve financial resiliency, and to maintain utility assets for long-term sustainability.

By inputting your accurate budgetary, O&M, CIP, existing asset and funding information, this tool assists the user in identifying any rate adjustments and/or external funding necessary to meet the utility finance requirements, and the impact rate increases/borrowing may have on customers.

Additionally, RevPlan is programmed to populate asset information directly from Diamond Maps.

FRWA personnel will train system staff in how to update Revplan going forward. As with Diamond Maps, annual updates to Revplan can serve as a part of implementation.

Level of Service (LOS):

As a provider of wastewater services, a utility must decide what Level of Service (LOS) is required for its customers. When setting these goals, most importantly, the utility must decide the level of service it will provide. Ideally, these goals would be conveyed to the utility's customers via a 'Level of Service Agreement'. This document demonstrates the utility's accountability in meeting the customer's needs and its commitment to do so. Below are four key elements regarding LOS:

1. Provide safe and reliable service while meeting regulatory requirements;

2. Budget improvement projects focused on assets critical to sustained performance based on sound operational and financial planning;

3. Maintain realistic rates and adjust as necessary to ensure adequate revenue reserves for targeted asset improvement; and,

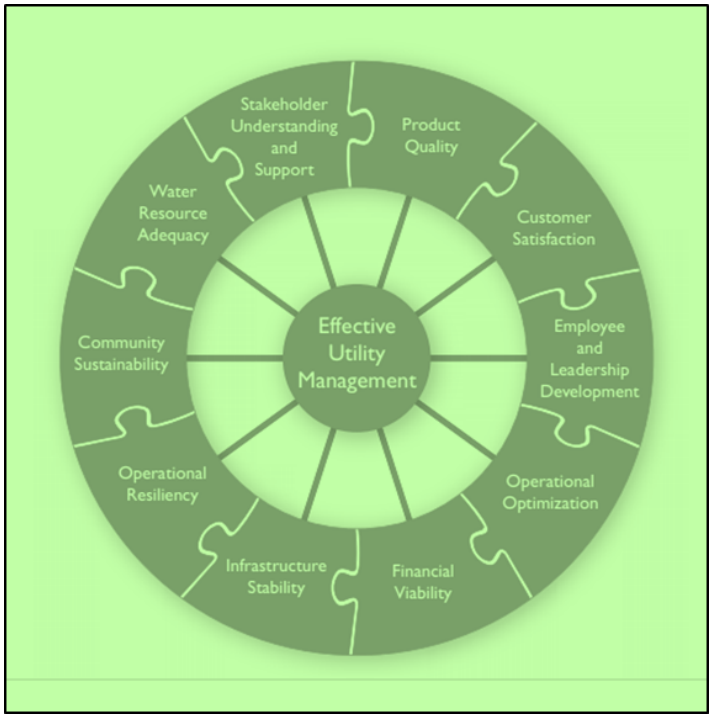
4. Ensure long-term system resilience and sustainability.

Targets must be set for individual parameters. Metrics should be created to help the utility direct efforts and resources toward predetermined goals. The established goals must include consideration of costs, budgets, rates, service levels, and level of risk. These goals are set in an agreement between the utility and its customers.

It is important to note that the Town has already begun this phase and has set goals and objectives for each of the departments. The goals should be refined over time as needs change and aspects of the goals are met. It is important to make sure that the goals set have measurable action items. Examples could be or include;

- Increase billing collection rate to 98%
- Reduce unaccounted for Water and Wastewater to 15%
- Annually evaluate 100% of the Collection System and Components

In 2008, a unique coalition representing the "Collaborating Organizations," which include the U.S. Environmental Protection Agency and a growing number of major water sector associations, supported an approach developed by water sector leaders for water utility management. This approach can be used by the wastewater sector as well and is based around the Ten Attributes of an Effectively Managed Utility and Five Keys to Management Success—known as Effective Utility Management (EUM). These Attributes provide a clear set of reference points and are intended to help utilities maintain a balanced focus on all important operational areas rather than reactively moving from one problem to the next or focusing on the "problem of the day."



The Ten Attributes of an Effectively Managed Utility provide useful and concise goals for utility managers seeking to improve organization-wide performance. The Attributes describe desired outcomes that are applicable to all water and wastewater utilities. They comprise a comprehensive framework related to operations, infrastructure, customer satisfaction, community sustainability, natural resource stewardship, and financial performance.
Water and wastewater utilities can use the Attributes to select priorities for improvement, based on each organization's strategic objectives and the needs of the community it serves. The Attributes are not presented in a particular order, but rather can be viewed as a set of opportunities for improving utility management and operations.

To begin, the utility will assess current conditions by ranking the importance of each Attribute to the utility, based on the utility's vision, goals, and specific needs. The ranking should reflect the interests and considerations of all stakeholders (managers, staff, customers, regulators, elected officials, community interests, and others).

Once you have chosen to improve one or more Attributes, the next step is to develop and implement a plan for making the desired improvements. Improvement plans support the implementation of effective practices in your chosen attribute area(s). An effective improvement plan will:

1. Set Near- and Long-term Goals: Set goals as part of the improvement plan to help define what is being worked toward. Near- and long-term goals for the utility should be linked to the strategic business plan, asset management plan, and financial plan. Goals should also be "SMART."

    - **S – Specific**: What exactly will be achieved? Make the goals specific and well defined. Each goal should be clear to anyone with even a basic knowledge of the utility.

- **M – Measurable**: Can you measure whether you are achieving the objective? You must be able to tell how close you are to achieving the goal. You must also be able to determine when success is achieved.

- **A – Assignable and Attainable**: Can you specify who is responsible for each segment of the objective? Is the goal attainable? Setting a goal to have zero sewer overflows is great, but perhaps unrealistic, knowing operators do not have control over when and where overflows happen in systems. A better choice might be to set a goal that states the utility will undertake an extraneous flow reduction project to reduce the impact of illegal storm connections.

- **R – Realistic**: Do you have the capacity, funding, and other resources available? The staff and resources of the utility must be considered when setting goals. Available personnel, equipment, materials, funds, and time play a role in setting realistic targets.

- **T – Time-Based**: What is the timeframe for achieving the objective? There must be a deadline for reaching the goal. Adequate time must be included to meet the target. However, too much time can lead to apathy and negatively affect the utility's performance.

2. Identify Effective Practices: Each Attribute area for improvement will be supported by effective practices implemented by the utility. A substantial number of water sector resources exist that detail effective utility practices for each of the Attributes.

3. Identify Resources Available and Resources Needed: For each practice/activity to be implemented as part of the improvement plan, identify resources (financial, informational, staff, or other) that exist on-hand, and those that are needed, to support implementation.

4. Identify Challenges: For the overall improvement plan and for specific practices/activities to be implemented, identify key challenges that will need to be addressed.

5. Assign Roles and Responsibilities: For each improvement action, identify roles and responsibilities for bringing the implementation to completion.

6. Define a Timeline: Establish start date, milestones, and a completion target for each activity/improvement action.

7. Establish Measures: Establish at least one (or more) measure of performance for items to be implemented under the improvement plan.

More information and resources on Effective Utility Management (EUM) can be found at www.WaterEUM.org.

The idea is to set goals and meet them. Reaching the goals should not be overly easy. Effort should be involved. The goals should target areas where a need exists. If the bar is set too low, the process is pointless. Most importantly, the utility must decide the level of service it will provide.

The table on the following page shows examples of what might be included as Level of Service goals. The LOS items for the Town of Eatonville must be specific to the system and ideally, conveyed to the utility's customers via a 'Level of Service Agreement'. This document demonstrates the utility's accountability in meeting the customer's needs and its commitment to do so.

Eatonville Wastewater (WW) Level of Service Goals Examples			
Attribute and Service Area	**Goal**	**Performance Targets**	**Timeframe/ Reporting**
Service Delivery - Health, Safety and Security	Reduce the number and duration of sewer overflows	Provide employees with training necessary to be proactive in system maintenance and to rapidly and efficiently make emergency system repairs.	Annual report to Council
Infrastructure Stability - Asset Preservation and Condition	Improve system wide preventive maintenance (PM)	Develop a comprehensive Preventive Maintenance weekly schedule for equipment and system components and complete all preventative maintenance tasks as scheduled.	Weekly report to Department Director and Monthly report to Chief Administrative Officer
Infrastructure Stability - Asset Preservation and Condition	Establish a Predictive Maintenance Schedule (PdMS)	Develop a weekly PdMS to continuously monitor equipment for signs of unexpected problems. Adjust the PdMS as needed.	Weekly report to Department Director and Monthly report to Chief Administrative Officer
Infrastructure Stability - Asset Preservation and Condition	Develop an Asset Replacement Strategy	Develop an asset replacement strategy to be updated at least annually, including financing options.	Annual report to Chief Administrative Officer and Council
Financial Viability - Service Quality and Cost	Assure that the utility is financially self-sustaining.	Perform an annual utilities rate analysis and make any needed rate adjustments every three to five years.	Annual Report to Department Director, Chief Administrative Officer and Council
Financial Viability – Service Quality and Cost	Enact automatic inflationary rate adjustments	Annual evaluation of the adequacy of inflationary rate adjustments	Annual report to Department Director, Chief Administrative Officer and Council
Financial Viability - Service Quality and Cost	Minimize Life of Asset Ownership costs	Bi-annual evaluation of unexpected equipment repairs compared to the Preventive Maintenance Schedule (PMS). Adjust the PMS if warranted.	Bi Annual report to Department Director and Annual report to Chief Administrative Officer
Infrastructure Stability - Conservation, Compliance, Enhancement	Improve reliability of the collection system	Annual evaluation of the collection system, including piping, manholes, and lift stations. Develop a long-range plan for replacements and improvements with timelines and funding options.	Annual report to Department Director, Chief Administrative Officer and Council
Infrastructure Stability - Asset Preservation and Condition	Identify Inflow and Infiltration	Smoke test specific sections of the collection system	Annual report to Department Director, Chief Administrative Officer and Council

Best Management Practices: (BMP):

Utility owners, managers, and operators are expected to be responsible stewards of the system. Every decision must be based on sound judgment. Using Best Management Practices (BMPs) is an excellent tool and philosophy to implement. BMPs can be described as utilizing methods or techniques found to be the most effective and practical means in achieving an objective while making optimum use of the utility's resources.

The purpose of an Asset Management and Fiscal Sustainability plan is to help the utility operate and maintain their system in the most effective and financially sound manner. An AMFS plan is a living document and is not intended to sit on a shelf. It must be maintained, updated, and modified as conditions and situations change. Experience will help the utility fine tune the plan through the years.

3. System Description

Town of Eatonville Overview:

Eatonville, Florida, holds the distinction of being one of the oldest incorporated African American towns in the United States. Its history is rich and deeply tied to the post-Reconstruction era, providing a unique and significant chapter in African American heritage.

Early Beginnings

- **Founding**: Eatonville was founded in 1887 by a group of formerly enslaved African Americans. It was named after Josiah Eaton, one of the landowners who sold his property to the founders.
- **Incorporation**: The town was officially incorporated on August 15, 1887, making it one of the first self-governing all-black municipalities in the United States.

Key Figures

- **Joe Clark**: Joe Clark, one of the town's founders, played a pivotal role in the establishment of Eatonville. He became its first mayor and was a prominent figure in the community.
- **Lewis Lawrence**: Another influential figure, Lawrence, was instrumental in acquiring the land and promoting the town's growth.

Development

- **Education and Religion**: The community placed a high value on education and religious life. The first school in Eatonville was established in 1889, and several churches were built, which served as important social and cultural centers.
- **Economy**: Early economic activities included agriculture, citrus farming, and various trades. Residents worked hard to build a self-sufficient and thriving community.

Zora Neale Hurston

- **Literary Significance**: Eatonville gained national attention through the works of Zora Neale Hurston, a celebrated African-American author and anthropologist. Hurston spent much of her childhood in Eatonville, which served as the setting for many of her stories and novels, including the acclaimed "Their Eyes Were Watching God."

Modern Era

- **Cultural Preservation**: Eatonville has made efforts to preserve its rich cultural heritage. The Zora Neale Hurston Festival of the Arts and Humanities, held annually, celebrates the town's history and Hurston's legacy.
- **Historic Landmarks**: Several historic buildings and sites in Eatonville have been preserved, contributing to its status as a place of cultural and historical importance.

Sources;
Hobbs, T. (2001). Eatonville, Florida: A History. University Press of Florida.
Boyd, V. (2020). "Eatonville, Florida: History and Heritage." Florida Historical Society.
Morris, A. (2017). "The Significance of Eatonville in Zora Neale Hurston's Life and Work." The Southern Quarterly, Vol. 55, No. 3.

Census Data from the Town on Eatonville is listed below

Population:

- The population of Eatonville was approximately 2,265 in the 2024 census, showing steady growth since the most recent census.

Median Household Income:

- The estimated median household income in Eatonville for 2022 was $30,176. This figure provides insights into the economic standing of local residents and helps understand the community's overall prosperity (Neilsberg) (World Population Review).

Per Capita Income:

- Eatonville reported a per capita income of $18,550 in 2022. This metric indicates the average income per person in the town, offering a glimpse into individual earning levels (Census Reporter).

Cost of Living Index:

- Eatonville's cost of living index was 88.7 as of March 2022. This value, below the national average of 100, suggests that living in Eatonville is relatively more affordable than the U.S. average, contributing to its appeal as a residential area (Neilsberg) (World Population Review).

Poverty Rate:

- In 2022, Eatonville's poverty rate stood at 32.1%. While this figure is higher than the state average, it also highlights opportunities for community growth and economic development to enhance the quality of life for all residents (Census Reporter) (Neilsberg)

Mission Statement

The mission of the Town of Eatonville, Florida is to deliver municipal services which meet the vital health, safety and general welfare needs of the residents and which sustain and improve their quality of life. As we work to achieve this mission, we will employ fiscal discipline, continuous improvement, first-rate customer service, and straight forward communications. In this work we will tolerate no mediocrity.

Goals

- Reaffirm the ethical foundation of our government.
- Maintain a sound and effective management process.

- Set realistic expectations regarding services, and continuously improve organizational performance until Eatonville becomes the flagship among Florida's cities.
- Make the financial capacity of the Town sustainable.
- Assure that appointed Town leadership is capable and strong.

Vision & Values

Vision:
The Town of Eatonville will set the standard of excellent for a small-sized American town; recognized nationally as the "Oldest Black Incorporated Municipality in America" and that is striving to provide high quality, cost-effective
services.

Values:

- Financial Accountability: We will provide responsible
- Communication: We will communicate effectively with our citizens, our customers and the community at large.
- Integrity: We will be transparent, truthful and honor our commitments
- Quality: we will aspire to the highest level of excellence in our product and services.
- Quality: we will aspire to the highest level of excellence in our product and services.
- Diversity: We will maintain a sustainable workforce that reflects our community.
- Teamwork: We will work cooperatively to build and maintain productively working relationships.

Form of Government:

Eatonville, Florida, operates under a Council-Manager form of government. This type of government combines the strong political leadership of elected officials in the form of a council or other governing body, with the strong managerial experience of an appointed local government manager.

Elected Officials

Town of Eatonville	
Angie Gardner	**Mayor**
Theodore Washington	**Vice Mayor**
Wanda Randolph	**Council Member**
Rodney Daniels	**Council Member**
Tarus Mack	**Council Member**

Town Staff:

FRWA appreciates the assistance of those employees that helped in the preparation of this Plan.

Name	Department
Demetris Pressley	Chief Administrative Officer
Valerie W. Mundy P.E.	Department Director
Sidney Silas	Public Works Field Supervisor
Tynisha Dunnell	Public Works Admin Assistant
Mark Haynes	Public Works Service Worker II
Timothy Pitts	Public Works Service Worker II
Jimmy Johnson	Public Works Service Worker I
Robert Bush	Public Works Service Worker I
Youth Thompson	Public Works Service Worker I

System Overview:

The Town of Eatonville wastewater treatment system consists of 4 Lift Stations, 149 manholes, 6.8 miles of gravity sewer mains, and undetermined amount of force-main piping to serve its Wastewater collection system

4. Current Asset Conditions

Lift Stations:

FRWA team members evaluated all 4 of the lift stations that are used to transfer wastewater to the Master Lift Station that ultimately sends the Town's Wastewater to the City of Maitland's Wastewater Treatment Plant. The lift stations were in average condition with no major deficiencies noted during the assessment. The following recommendations can help insure the longevity and efficiency of the lift stations to better serve the Town's wastewater transmission and handling.

Vereen St. Lift Station

- Follow recommendations from Generator evaluations done by Detroit Diesel.
- Coat interior of Wet well and Replace Standpipes.
- Tool Clean and Paint Piping associated with Drywell
- Update Control Panel

Campus View Lift Station

- Follow recommendations from Detroit Diesel generator evaluations.

Estimated Cost for repairs to lift stations - $770,000*

*Estimated Costs will vary depending on actual work performed. This could be offset with the execution of the Stag Grant mentioned below.

The Town is currently working on a project through a Stag grant that will refurbish the Vereen Lift Station. The recommendations above should be included in that project at a minimum as well as the findings listed in the energy assessment.

Lift Station checks should be done daily due to the small number and close proximity of their locations. Checking lift station run times, doing amp draws, cleaning floats, and visually inspecting the lift stations daily can greatly reduce the number of emergency call outs and unexpected failures. Daily information should be kept in a log on site and entered into diamond maps for historical figures and maintenance tracking.

Manholes:

During the data collection phase FRWA assessed 149 manholes in the collection system. Of these 149 manholes, 14 were found to be in poor or very poor condition. A poor or very poor condition indicates some of the following deficiencies were found during assessment or the manhole was unable to be assessed due to being sealed shut or buried. Deficiency Noted

- Moderate to heavy corrosion.
- Being sealed or buried .
- Blockages.
- Moderate cracks in the wall or chimney.
- Infiltration of any amount.
- Ring or lid deficiencies or mortar failure.
- Other deficiencies notated.

Name	Condition	Deficiency Noted	Map Latitude	Map Longitude
wwManH-8	Poor	Heavy build up	28.6149312	-81.3788193
wwManH-43	Poor	Did not open due to note	28.6184579	-81.3756619
wwManH-63	Poor	Build up inside of bench	28.615222	-81.3776987

Name	Condition	Deficiency Noted	Map Latitude	Map Longitude
wwManH-78	Poor	Heavy buildup inside manhole, needs cleaning	28.619442	-81.3777397
wwManH-110	Poor	Sealed shut	28.6155839	-81.3941662
wwManH-117	Poor	Sealed shut	28.6194969	-81.3871883
wwManH-118	Poor	Needs liner on walls	28.6185743	-81.3914438
wwManH-161	Poor	Sealed shut	28.6203939	-81.3930559
wwManH-215	Poor	Appears Abandoned	28.617639	-81.3770245
wwManH-207	Unknown	Could not assess due to traffic	28.6184236	-81.3872372
wwManH-4	Very Poor	Bricks and mortar corrosion, no flow, off set	28.6129836	-81.3773182
wwManH-40	Very Poor	Heavy root intrusion	28.6162841	-81.3756283
wwManH-204	Very Poor	Massive I/I	28.6184761	-81.3890477
wwManH-205	Very Poor	Needs liner and inlets sealed	28.6185305	-81.3914459

* Out of the 14 manholes listed in poor condition 5 were rated as poor due to being sealed shut, unable to be located, or were paved (or partially) over. These conditions may change once the manholes are properly assessed. FRWA rates manholes as poor in these instances until a full assessment may be completed.

Estimated Cost to repair or replace 9 poor / very poor manholes with noted deficiencies - will vary on scope of work needed

Estimated Cost to evaluate 5 manholes that were unable to be assessed – Free if done by system staff

Gravity and Force Mains:

During data collection, FRWA staff did not evaluate the condition of the gravity sewer and force mains. System Maps indicate there are approximately 6.8 miles of gravity sewer mains and an undetermined amount of sewer force mains. The system consists of a mix of PVC, ductile iron and vitrified clay piping.

As with the manholes, many of the gravity and force mains in the system will be nearing the end of their useful life around the same time period. Due to concerns with inflow/infiltration, the Town has begun the process of applying for funding through the CWSRF and aims to make repairs and improvements to the following areas:

- **Lake Lovely Service Area** - Survey/Design/Construct, Lining/Point, Repair/Partial Replacement - $3,560,000
- **Eastern Service Area** - Survey/Design/Construct, Lining/Point, Repair/Partial Replacement - $13,658,000

Collection System Repairs / Replacements- $17,218,000 (90% Principal Forgiveness through CWSRF) FY24-28

Inflow and Infiltration:

As systems age, inflow and infiltration become increasingly problematic within the collection system. Often, these issues go unaddressed because they occur underground and are not visible. If left unattended, inflow and infiltration can result in higher wastewater flows through the master lift station, leading to increased costs for the town. This also causes greater wear and maintenance of equipment and ultimately reduces the system's lifespan. Additionally, the wastewater system is not designed to handle ground or surface water, and an excess of fresh water can negatively impact the pumping process. By minimizing inflow and infiltration to the lift stations, the town can lower costs and reduce wear on critical assets.

Often, where there is infiltration, there is also exfiltration. This means that untreated wastewater can “leak” out of the collection system and into the surrounding ground. This may lead to collapsed sewer mains or blockages due to the buildup of dirt/mud or sand producing backups and sanitary sewer overflows (SSOs).

It is recommended that the Town periodically conduct smoke testing throughout the system or at a minimum in critical or problematic areas to determine the need for improvements. While the Town would need to purchase the liquid smoke, the smoke testing equipment can be borrowed from FRWA to help ease some of this cost. In addition to smoke testing, FRWA also recommends inspection and cleaning of the collection system. With the help of an engineering firm, the Town can begin to develop additional future capital repair projects that identify and record the location and severity of any defects. This is a results-driven approach which seeks to maximize the effectiveness of the investigation through total system maintenance along with inflow and infiltration removal. FRWA also recommends considering the purchase of Inflow shields to assist in low lying or flood prone areas of the system. Listed below is an example cost of purchasing inflow shields for all 178 manholes in the system. The actual cost will depend on the systems actual need and locations that require one.

Estimated total cost to acquire and install approximately 149 inflow shields: $22,500.

5. Operations and Maintenance Strategies: (O&M)

O&M consists of preventive and emergency/reactive maintenance. The strategy for O&M varies by the asset, criticality, condition, and operating history. All assets have a certain risk associated with their failure. This risk must be used as the basis for establishing a maintenance program to make sure that the utility addresses the highest risk assets. In addition, the maintenance program should address the level of service performance objectives to ensure that the utility is running at a level acceptable to the customer. Unexpected incidents could require changing the maintenance schedule for some assets, including those found during routine inspections and O&M activities. Utility staff will record condition assessments when maintenance is performed, at established intervals, or during scheduled inspections. As an asset is repaired or replaced, its condition will improve and therefore it can reduce the overall risk of the asset failing. The maintenance strategy will be revisited annually.

Two important considerations in planning O&M strategies are:

- Unplanned repairs should be held at 30% or less of annual maintenance activities.
- Unplanned maintenance in excess of 30% indicates a need to evaluate causes and adjust strategies.

Staff Training:

Utility maintenance is quite unique. It can involve one or a combination of water system repairs, customer service issues, troubleshooting and repair, pump and motor repairs and other technical work. This skill set is not common. Training staff, whether they are new or long-term employees, is very important. It is recommended that the Town initiate or enhance their training program for its employees. In addition to technical training, safety training is also necessary. Treatment Plants and distribution/collection systems can be dangerous places to work. Electrical safety, troubleshooting panel boxes, trenching and shoring, and confined space entry are just a few of the topics that could benefit the Town and its staff.

FRWA personnel can provide some of the training needed by the Town of Eatonville staff members. Training services that we offer to members are listed on our website http://www.frwa.net/ under the Training Tab.

There is no such thing as too much training. The more your staff knows, the more capable, safe, and professional they become. This enhanced sense of professionalism will improve the quality of overall service and accountability to the community.

Preventive Maintenance:

Preventive maintenance is performing the day-to-day work necessary to keep assets operating properly, which includes the following:

- Regular and ongoing annual tasks necessary to keep the assets at their required service level.
- Day-to-day and general upkeep designed to keep the assets operating at the required levels of service.
- Tasks that provide for the normal care and attention of the asset including repairs and minor replacements.
- The base level of preventative maintenance as defined in equipment owner's manuals.

These preventative maintenance guidelines are supplemented by industry accepted best management practices (BMPs).

Equipment must be maintained according to the manufacturer's recommendations to achieve maximum return on investment. By simply following the manufacturer's suggested preventive maintenance the useful life of equipment can be increased two to three times when compared to "run till failure" mode of operation. Communities that have disregarded preventive maintenance practices can achieve positive returns from a relatively small additional investment. Deferred maintenance tasks that have not historically been performed due to inadequate funding or staffing must be programmed into future operating budgets. Proper funding provides staffing and supplies to achieve life expectancy projected by the manufacturer and engineer.

Table 5.A on the following page is a sample O&M Program for this system and is based on best management practices, manufacturers' recommended service intervals, staff experience, and other sources. This schedule is only an example. The true schedule must be created by Town of Eatonville staff, based on their historical knowledge and information gleaned from the O&M Manuals and other sources.

Table 5.A: Sample O&M Program. This schedule is only an example.

Task Name	Frequency	Task Name	Frequency
Visually Inspect Plant and Lift Stations for Damage or Tampering	Per Visit	Respond to any complaints	As they Occur
Ensure proper operation of equipment (note any issues)	Per Visit	Decommission unnecessary equipment	As they Occur
Calibrate all meters and necessary equipment	Per Visit	Perform P/M on pumps and motors	Manufacturer Recommendation
Check plant per DEP requirements	Per Visit	Perform P/M at plant and lift stations and on safety equipment	Manufacturer Recommendation
Complete all log work	Per Visit	Exercise vales in system and at lift stations	Annually
Collect all samples	As Required by Permit	Inspect storage tanks	Annually
Perform general housekeeping	Weekly	Calibrate meter and backflows	Annually
Exercise Generator	Monthly	Inspect manholes	Annually
Confirm submittal of monthly reports	Monthly	Update AMFSP	Annually

Diamond Maps can be used to schedule maintenance tasks. Recurring items can be set up in advance. In fact, all maintenance activities can be coordinated in Diamond Maps using its work order feature. Table 5.B, found on the following page, is a sample of work orders that are specific to the Town of Eatonville.

Table 5.B: Sample Work Orders – Diamond Maps.

WO#	Status	Title	Description	Date Started	Date Completed	Date Planned	Recurring	Priority
W1008	Planned	Basic Work Order	Take abandoned pump out of service			3/24/2022	No	Low
RECUR1009	Planned	Basic Work Order	Update Diamond maps regularly.				Monthly	High
W1010	Planned	Basic Work Order	Bring LS14 up to operational status			3/21/2024	No	High
W1011	Planned	Basic Work Order	Rehab Air Base LS			3/21/2024	No	High
W1012	Planned	Basic Work Order	Locate, Map and assess manholes.			3/21/2024	No	Moderate
W1013	Planned	Basic Work Order	Jet manhole and assess.			3/21/2024	No	High
W1014	Planned	Basic Work Order	Locate, map and assess manholes.			3/21/2024	No	Moderate
W1015	Planned	Basic Work Order	Locate, map and assess manholes.			3/21/2024	No	Moderate

Performing the work is important. Tracking the work is also important. Being able to easily check on when specific maintenance tasks were performed or are scheduled will make a utility run more efficiently and prolong the life of critical equipment.

Proactive vs Reactive Maintenance:

Reactive maintenance is often carried out by customer requests or sudden asset failures. Required service and maintenance to fix the customer's issue(s) or asset failure is identified by staff inspection and corrective action is then taken. Reactive maintenance is sometimes performed under emergency conditions, such as a lift station failing causing a sewer backup. As mentioned above, if your system is responding to and performing reactive/emergency maintenance more than 30% of the time, you will need to adjust your maintenance schedules and increase proactive maintenance schedules.

Proactive maintenance consists of preventive and predictive maintenance. Preventive maintenance includes scheduled tasks to keep equipment operable. Predictive maintenance tasks try to determine potential failure points. An example of predictive maintenance is infrared analysis of electrical connections. Using special equipment, a technician can "see" loose or corroded connections that would be invisible to the naked eye. This allows the utility to "predict" and correct a potential problem early. Assets are monitored frequently, and routine maintenance is performed to increase asset longevity and prevent failure. Upon adoption of this AMPFS plan, the FRWA Utility Asset Management (UAM) team will upload the Town of Eatonville asset data definition file into "Diamond Maps" and will populate the field data. The appropriate Town personnel will be trained in Diamond Maps functionality and can immediately begin using it for scheduling and tracking system asset routine and preventive maintenance.

6. Capital Improvement Plan

A Capital Improvement Plan is a multi-year financial planning tool that looks into the future to forecast the Town's asset needs. It encourages the system and the community to forecast not only what expenditures they intend and expect to make, but also to identify potential funding sources to more properly plan for the acquisition of the asset. The CIP is designed to be a flexible planning tool and is updated and revised on an annual basis.

Capital improvement projects generally create a new asset that previously did not exist or upgrades or improves an existing component's capacity. These projects are the consequence of growth, environmental needs, or regulatory requirements. Included in a CIP are typically:

1. Any expenditure that purchases or creates a new asset or in any way improves an asset beyond its original design capacity.

2. Any upgrades that increase asset capacity.

3. Any construction designed to produce an improvement in an asset's standard operation beyond its present ability.

Capital improvement projects will populate this list. Renewal expenditures do not increase the asset's design capacity, but restores an existing asset to its original capacity, such as:

1. Any activities that do not increase the capacity of the asset. (i.e., activities that do not upgrade and enhance the asset but merely restore them to their original size, condition and capacity, for example, rebuilding an existing pump).

2. Any rehabilitation involving improvements and realignment or anything that restores the assets to a new or fresh condition (e.g. distribution main repair or hydrant replacement).

In making renewal decisions, the utility considers several categories other than the normally recognized physical failure or breakage. Such renewal decisions include the following:

1. Structural
2. Capacity
3. Level of service failures
4. Outdated functionality
5. Cost or economic impact

The utility staff and management typically know of potential assets that need to be repaired or rehabilitated. Reminders in the Diamond Maps task calendar let the staff members know when the condition of an asset begins to decline according to the manufacturer's life cycle recommendations. The utility staff members can take these reminders and recommendations into account. Because the anticipated needs of the utility will change each year, the CIP is updated annually to reflect those changes.

Listed below is a CIP taken out of RevPlan, which can serve as a foundation for creating a comprehensive Capital Improvement Plan (CIP). This plan is instrumental in systematically scheduling the replacement of assets as they approach the end of their useful life. By utilizing RevPlan, you can efficiently prioritize and add projects to the CIP, ensuring that once current projects are completed or new issues arise, they are seamlessly integrated into the overall plan. This proactive approach helps in maintaining the integrity and functionality of the infrastructure, ensuring long-term sustainability and optimal performance of assets.

Eatonville
Eatonville 24
Fiscal Year: 2024
CIP Schedule

Description	Funding Source	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Water Asset Management Reserve	Water Revenues	$0	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000
Wastewater Collection	Wastewater Revenues	$0	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800
Water Tower	Water Revenues	$76,700	$83,600	$83,600	$83,600	$83,600	$18,500	$11,600	$11,600	$11,600	$11,600
Piping from Lake Weston to S. Keller	Grant	$122,000	$810,000	$0	$0	$0	$0	$0	$0	$0	$0
Abandon AC pipe to WTP	Grant	$264,000	$1,755,000	$0	$0	$0	$0	$0	$0	$0	$0
Upsize WTP to 16"	Grant	$0	$0	$213,000	$0	$0	$0	$0	$0	$0	$0
Modify CUP	Grant	$0	$0	$75,000	$0	$0	$0	$0	$0	$0	$0
Well Drowdown	Grant	$0	$0	$50,000	$0	$0	$0	$0	$0	$0	$0
Upsize Well Pumps and Motors	Grant	$0	$0	$150,000	$0	$0	$0	$0	$0	$0	$0
Construct 0.5MG GST	Grant	$0	$0	$150,000	$1,000,000	$0	$0	$0	$0	$0	$0
WTP Ops BLDG	Grant	$25,000	$25,000	$0	$600,000	$4,000,000	$0	$0	$0	$0	$0
Increase Main line Dimensions	Grant	$0	$0	$198,000	$1,320,000	$0	$0	$0	$0	$0	$0
LFA Well to AWS	Grant	$0	$0	$0	$0	$0	$400,000	$400,000	$400,000	$400,000	$400,000
Maitland Interconnect	Grant	$0	$0	$0	$0	$0	$25,000	$0	$0	$0	$0
Replace non-pvc 6" mains	Grant	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000
Vereen LS	Grant	$94,000	$332,500	$332,500	$0	$0	$0	$0	$0	$0	$0
Lake Lovely Rehab	Grant	$222,000	$1,669,000	$1,669,000	$0	$0	$0	$0	$0	$0	$0
Eastern Service Area Rehab	Grant	$0	$854,000	$4,268,000	$4,268,000	$4,268,000	$0	$0	$0	$0	$0
Pre-Eval New WTP	Grant	$0	$0	$0	$0	$130,000	$0	$0	$0	$0	$0

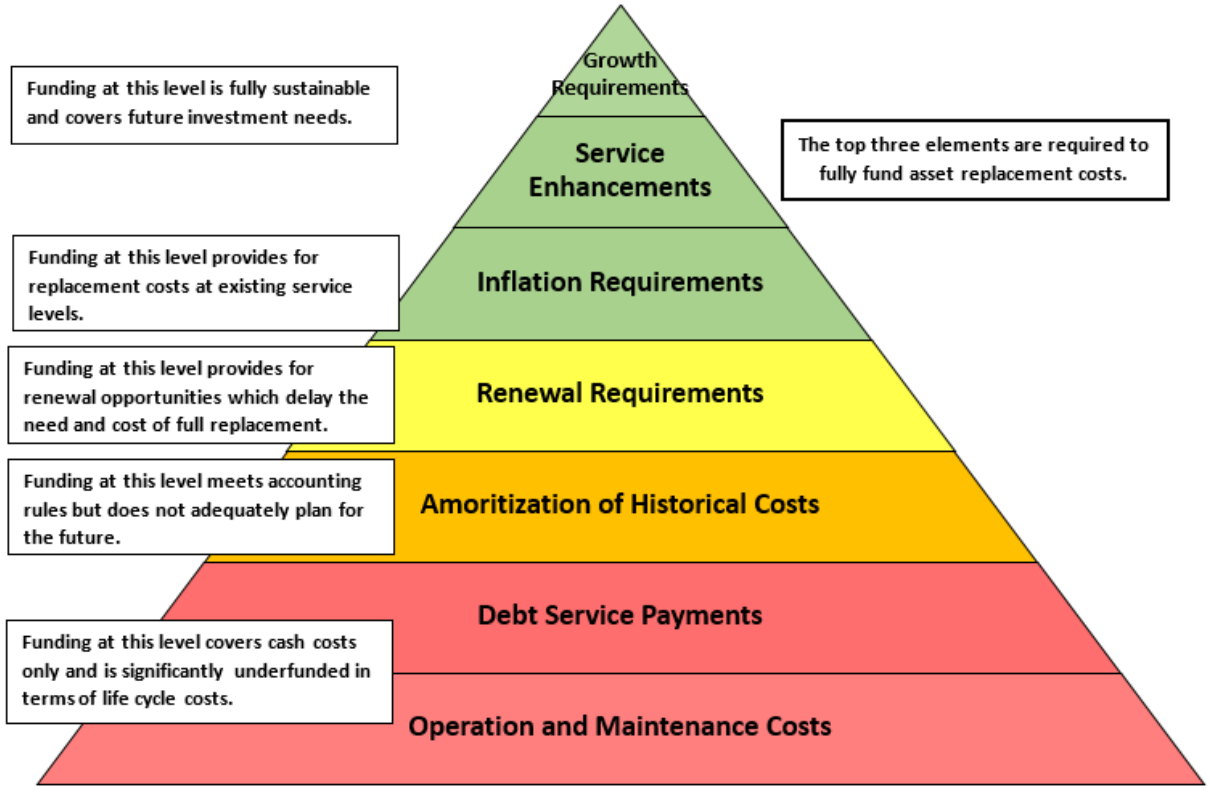
	Funding Source	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
	Water Revenues	$76,700	$93,600	$93,600	$93,600	$93,600	$28,500	$21,600	$21,600	$21,600	$21,600
	Wastewater Revenues	$0	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800
	Grant	$827,000	$5,545,500	$7,205,500	$7,288,000	$8,498,000	$525,000	$500,000	$500,000	$500,000	$500,000
	Total	$903,700	$5,692,900	$7,352,900	$7,435,400	$8,645,400	$607,300	$575,400	$575,400	$575,400	$575,400

7. Financial

Budget/Financial Sufficiency:

For an Asset Management Plan to be effectively put into action, it must be integrated with financial planning and long-term budgeting. The development of a comprehensive financial plan will allow Eatonville to identify the financial resources required for sustainable asset management based on existing asset inventories, desired levels of service, and projected growth requirements.

The pyramid below depicts the various cost elements and resulting funding levels that should be incorporated into Asset Plans that are based on best practices.



The assets collected, along with financial information provided by the system, were entered into RevPlan to create a preliminary financial sufficiency model for the System. Each year the system is encouraged to update RevPlan and use it to help understand the impacts of future projects and rate increases. Details from the model are in Appendix C.

The use of RevPlan allows the system to input current financial data and develop their own financial planning projections based on various time frames. The System will have the ability to modify the rate structure to determine which proposed rate scenarios may support current and upcoming debt and expenses. Members of FRWA staff are available to assist the System with RevPlan and updating financial models.

Asset Statistics:

The table below summarizes the asset information collected for the Town of Eatonville.

Town of Eatonville Wasterwater System	
Total Replacement Cost of Wastewater System	$6,043,352.21
Percent of Wastewater Assets Needing Replacement	3.57%
Cost of Replacing All Wastewater Assets Needing Replacement	$215,890
Annual Replacement Cost of Wastewater System	$110,000

Please note that the $6.1 million dollar replacement cost of the wastewater system documented above, along with the annual replacement cost of $110,000 for the system is low. These figures do not include certain assets such as large equipment, and certain property improvements along with other operational items normally associated with maintaining a utility system. As a result, any proposed rate adjustments suggested by FRWA should be considered a minimum or a starting point for review and consideration by the Town.

Based on the findings of the Asset Management Plan, it is important for the Town of Eatonville to start setting aside reserves for the replacement of its assets, to make sure that the base charge is adequately covering operational expenditures and that its usage charges are sufficient to fund a capital improvement program. To get started the annual replacement cost has been inserted into the CIP portion of RevPlan and the $110,000 was divided into 9 years to build up slowly. This method helps the system build up needed revenue and reserves without requiring large increases all at once.

Reserves:

Reserve balances for utility systems are essential funds allocated for specific financial needs, projects, tasks, or legal obligations. These reserves play a critical role in managing current and future challenges, such as demand fluctuations, water supply costs, significant capital needs, asset replacements, natural disasters, and potential liabilities from infrastructure failures due to aging. Utilities must establish formal financial policies for reserves, defining how balances are set, their purposes, and how to determine their adequacy. Once established, these reserve targets should be reviewed annually during the budgeting process.

In the absence of a stated reserve policy from the system, FRWA's financial model increases the annual unrestricted reserve funding to cover 270 days of the current year's operation and maintenance budget. While there is no universal approach to building reserves, FRWA advises utilities not to fall below 90 days and encourages them to aim for reserves equivalent to or exceeding 270 days. Maintaining sufficient cash reserves is crucial for a utility’s long-term financial health and resilience. Each utility has unique circumstances that should inform the selection of reserve types and policies that best meet its needs and goals.

FRWA recommends maintaining a reserve amount equivalent to 270 days of operational expenses. The town should target $787,009 in unrestricted funds to address the challenges mentioned above. According to the Revplan Model completed the unrestricted reserve amount was $504,747. This amount gives the Town approximately 173 days cash on hand.

Rates:

A ‘rule of thumb’ FRWA subscribes to regarding rates is that base charges pay for fixed expenses (Operations) and usage charges fund the variable expenses (Capital Projects). Rates should generate sufficient revenue to

cover the full cost of operating a water system. By charging customers the full cost of water, small water systems send a message that water is a valued commodity that must be used wisely and not wasted. When rates are set to cover the full cost of production, water systems are more likely to have financial stability and security.

The current residential and commercial rate structure is as follows:

Base Charge Revenues	Meter Sizes	Base Charge	Number of Connections	Annual Revenue
Wastewater				
Residential				
Base Charges Inside City				
	5/8-inch	$17.61	636.00	$134,399.52
Commercial				
Base Charges Inside City				
	5/8-inch	$33.16	79.00	$31,435.68
Water 08				
Base Charges Inside City				
	5/8-inch	$188.75	1.00	$2,265.00
Water 64				
Base Charges Inside City				
	5/8-inch	$1,502.53	2.00	$36,060.72
Water 80				
Base Charges Inside City				
	5/8-inch	$1,877.05	1.00	$22,524.60
Subtotal				**$226,685.52**

Usage Charge Revenues	Gallon Range	Rate per Thousand Gallons	Monthly Water Sold (kgal)	Annual Revenue
Wastewater				
Residential				
Usage Charges Inside City				
Block 1	0 to 1,000 gallons	$0.00	636.00	$0.00
Block 2	1,001 to 15,000 gallons	$2.19	2,481.25	$65,207.25
Block 3	15,001 gallons or more	$2.19	0.00	$0.00
Commercial				
Usage Charges Inside City				
Block 1	0 to 3,000 gallons	$0.00	237.00	$0.00
Block 2	3,001 gallons or more	$3.29	1,481.00	$58,469.88

Water 08				
Usage Charges Inside City				
Block 1	0 to 10,000 gallons	$0.00	10.00	$0.00
Block 2	10,001 gallons or more	$3.29	18.00	$710.64
Water 64				
Usage Charges Inside City				
Block 1	0 to 10,000 gallons	$0.00	20.00	$0.00
Block 2	10,001 gallons or more	$3.29	146.58	$5,787.11
Water 80				
Usage Charges Inside City				
Block 1	0 to 10,000 gallons	$0.00	10.00	$0.00
Block 2	10,001 gallons or more	$3.29	212.08	$8,373.05
Subtotal				**$138,547.93**
Total				**365,233.45$**

Rate Recommendation:

Based on the preliminary financial sufficiency model developed by RevPlan, the annual asset investment requirement, the need to build cash reserves, and the water production reports and billing information, FRWA recommends that the System pursue the proposed rate increases presented below. A workshop is scheduled with the Finance Team with FRWA to discuss further details of these suggestions. In addition, FRWA encourages the System to review RevPlan, growth projections and Consumer Price Index (CPI) changes at least annually to determine if additional rate increases are needed as well as to pursue aggressively alternative revenue funding sources for the future capital projects identified in the Capital Improvements Plan.

Proposed Rate Adjustments										
	Fiscal Year									
	2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2032**
Base Charge Adjustments										
Wastewater	**0%**	**150%**	**1%**	**1%**	**1%**	**1%**	**1%**	**1%**	**1%**	**1%**
Usage Charge Adjustments										
Wastewater	**0%**	**150%**	**1%**	**1%**	**1%**	**1%**	**1%**	**1%**	**1%**	**1%**

Raising wastewater rates has become a necessary measure for the town considering the substantial financial loss of $270,100 incurred last year. This deficit highlights the growing gap between the current rates and the actual costs of maintaining and operating the wastewater system. Without an adjustment in rates, the town risks further financial instability, which could compromise essential services, delay critical infrastructure upgrades, and lead to increased future costs. By adjusting the rates now, the town can ensure the long-term sustainability of its wastewater services, safeguard public health, and maintain compliance with environmental regulations.

Listed Below is the Wastewater Revenue Requirements that highlights the need to strengthen the Utility fund.

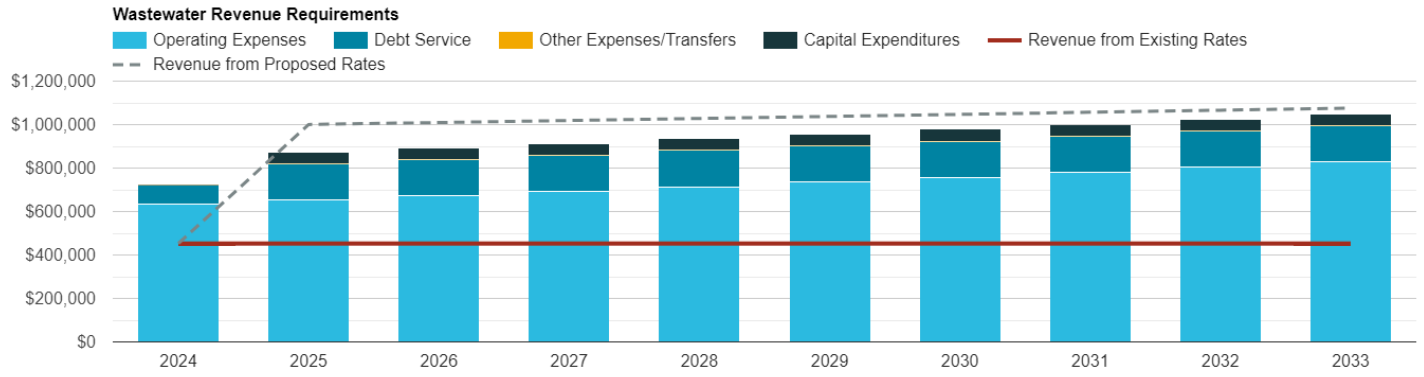
Eatonville										
Eatonville 24										
Fiscal Year: 2024										
Wastewater Revenue Requirements										
	2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Revenue Requirements:										
Operating Expenses	$634,900	$653,900	$673,600	$693,800	$714,600	$736,000	$758,100	$780,800	$804,300	$828,400
Debt Service	$87,900	$165,800	$165,900	$166,000	$166,100	$166,200	$166,300	$166,400	$166,500	$166,600
Other Expenses/Transfers	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Capital Expenditures	$0	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800
Gross Revenue Requirements	$722,800	$873,500	$893,200	$913,500	$934,400	$956,000	$978,200	$1,001,000	$1,024,500	$1,048,800
Less: Other Revenue	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500
Net Revenue Requirements	$635,400	$786,000	$805,800	$826,100	$847,000	$868,500	$890,700	$913,500	$937,100	$961,300
Existing Rate Sufficiency:										
Revenue from Existing Rates	$365,200	$365,200	$365,200	$365,200	$365,200	$365,200	$365,200	$365,200	$365,200	$365,200
Revenue Surplus/(Deficiency)	-$270,100	-$420,800	-$440,500	-$460,800	-$481,700	-$503,300	-$525,500	-$548,300	-$571,800	-$596,100

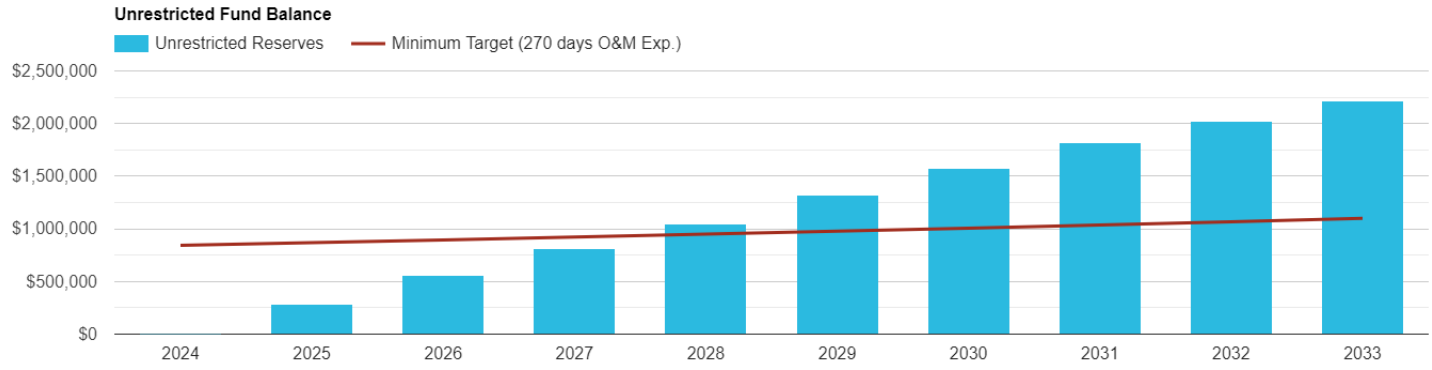
When considering rate increases, they must be established to satisfy the following:

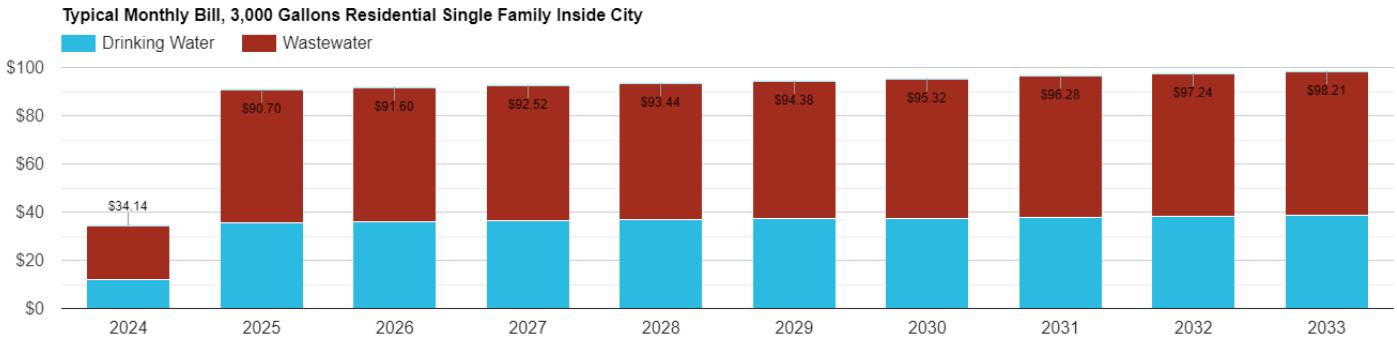
- The existing operational expenses;
- The existing debt service requirements;
- The annual replacement costs for the system and future capital improvement costs;
- The future debt needed to adequately replace and sustain the assets of the system;
- The annual reserve requirements; and,
- The need to preserve the existing amount of funds in retained earnings.

The proposed rate sufficiency from increases listed above will ensure the Town meets all the criteria necessary to satisfy the system needs and ensure future obligations can be fulfilled.

Eatonville										
Eatonville 24										
Fiscal Year: 2024										
Wastewater Revenue Requirements										
	2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Proposed Rate Sufficiency:										
Revenue from Proposed Rates	$365,200	$913,100	$922,200	$931,400	$940,800	$950,200	$959,700	$969,300	$978,900	$988,700
Increase in Revenue	$0	$547,900	$557,000	$566,200	$575,500	$584,900	$594,400	$604,000	$613,700	$623,500
Cumulative %										
All Customer Classes										
Base Charges	0.00%	150.00%	152.50%	155.03%	157.58%	160.15%	162.75%	165.38%	168.03%	170.71%
Usage Charges	0.00%	150.00%	152.50%	155.03%	157.58%	160.15%	162.75%	165.38%	168.03%	170.71%
Current Year %										
All Customer Classes										
Base Charges	0.00%	150.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Usage Charges	0.00%	150.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Revenue Surplus/(Deficiency)	-$270,100	$127,000	$116,500	$105,400	$93,800	$81,700	$69,000	$55,700	$41,900	$27,400







The RevPlan model information is located in appendix c and a new model should be created every year to make sure that the system's needs are being met. A workshop is setup to discuss findings with the council later this month.

8. Energy Conservation

Energy Conservation and Cost Savings

Energy costs often make up twenty-five to thirty percent of a utility's total operation and maintenance costs. They also represent the largest controllable cost of providing water and wastewater services. EPA's "Ensuring a Sustainable Future: An Energy Management Guidebook for Wastewater and Water Utilities" provides details to support utilities in energy management and cost reduction by using the steps described in this guidebook. The Guidebook takes utilities through a series of steps to analyze their current energy usage, use energy audits to identify ways to improve efficiency and measure the effectiveness of energy projects.

Energy Conservation Measures

The Town should ensure all assets, not just those connected to a power source, are evaluated for energy efficiency. It is highly recommended that staff conduct an energy assessment or audit. The following are common energy management initiatives the Town should implement going forward:

1. Load management
2. Replace weather-stripping and insulation on buildings.
3. Installation of insulated metal roofing over energy inefficient shingle roofing
4. On-demand water heaters
5. Variable frequency driven pumps and electrical equipment
6. Energy efficient infrastructure
7. LED lighting
8. Meg electric motors
9. MCC electrical lug thermal investigation
10. Flag underperforming assets for rehabilitation or replacement

The above 10 energy saving initiatives are just a start and most can be accomplished in-house. A more comprehensive energy audit, conducted by an energy consultant/professional, is recommended to evaluate how much energy is consumed system-wide and identify measures that can be taken to utilize energy more efficiently.

With the cost of electricity rising, the reduction of energy use should be a priority for municipalities. A key deliverable of an energy audit is a thorough analysis of the effect of overdesign on energy efficiency. Plants are designed to perform at maximum flow and loading conditions. Unfortunately, most plants are not efficient at average conditions. Aging infrastructure is another source of inefficient usage of energy in WWTPs across the country. The justification for addressing aging infrastructure related energy waste is also included in the energy audit process.

The table below provides typical water and wastewater high-use energy operations and associated potential energy saving measures.

High Energy Using Operations	Energy Saving Measures
Lighting	• Motion sensors • T5 low and high bay fixtures • Pulse start metal halide • Indirect fluorescent • Super-efficient T8s • Comprehensive control for large buildings
Heating, Ventilation, Air Conditioning (HVAC)	• Water source heat pumps • Prescriptive incentives for remote telemetry units • Custom incentives for larger units • Low volume fume hood • Occupancy controls • Heat pump for generator oil sump

Minimum Equipment Information to Gather	Additional Equipment Information to Gather	Conditions to Consider
• Pump style • Number of pump stages • Pump and motor speed(s) • Pump rated head (name plate) • Motor rated power and voltage (name plate) • Full load amps • Rated and actual pump discharge • Operation schedules	• Pump manufacturer's pump curves • Actual pump curve • Power factor • Load profile • Analysis of variable frequency drives (vfd's) if present • Pipe sizes • Water level (source) • Motor current • Pump suction pressure • Discharge pressure	• Maintenance records • Consistently throttled values • Excessive noise or vibrations • Buildup of sand and/or grit • Evidence of wear or cavitation on pump, impellers, or pump bearings. • Out-of-alignment conditions • Significant flow rate/ pressure variations • Active by-pass piping • Restrictions in pipes or pumps • Restrictive/leaking pump shaft packing

Energy Audit Approach

An energy audit is intended to evaluate how much energy is consumed and identify measures that can be taken to utilize energy more efficiently. The primary goal is reducing power consumption and cost through physical and operational changes. Each system will have unique opportunities to reduce energy use or cost depending on system specific changes and opportunities within the power provider's rate schedules. An audit of an individual treatment plant is an attempt to pinpoint wasted or unneeded facility energy consumption. It is recommended to perform an energy audit every two to three years to analyze a return on investment.

A wastewater system energy audit approach checklist, similar to the one on the following page for pumps and motors, can be a useful tool to identify areas of potential concern and to develop a plan of action to resolve them.

As part of the Asset Management Plan an Energy Audit was completed. Like the details listed in the Water Asset Management Plan Update some of the figures are not 100% accurate as to the date of this report some of the required billing information and usage times were not supplied as requested. Below is a summary of the findings from the Energy Assessment:

An investment of $15,700 in variable frequency drives (VFDs), depending upon the highly variable cost of procuring the needed equipment, could potentially save the Town of Eatonville $4,435 annually against its wastewater collection system total expenditures as detailed in the table below: **Cost Summary**

Purchase Item	Estimated Cost	Estimated Annual Savings	Estimated Payback Period (years)	Estimated VFD HP	Service Life (years)
VFD for Eaton Lift Station	$7,200	$2,587	2.8	60	20
VFD for Vareen Lift Station	$1,000	$210	4.8	6	10
VFD for Campus View Lift Station	$1,500	$350	4.3	10	12
VFD for Park Place Lift Station	$6,000	$1,288	4.7	50	20
Total		**$15,700**		**$4,435**	

9. Conclusions

General:

Our conclusions are based on our observations during the data collection procedure, discussions with Town of Eatonville staff, regulatory inspection data, and our experience related to similar assets.

Areas needing attention are detailed in Section 4 and include:

Sewer Mains:

- Start budgeting for the renewal and replacement of the collection system.
- Clean and Camera inspect gravity mains for areas that require rehabilitation, relining or replacement of older lines.
- Conduct smoke testing of the system to identify critical or problematic areas of the collection system that causes I&I. Develop additional future capital repair projects that identify and record the location and severity of any defects.
- Continue with scheduled upgrades with Grants and Loans in accordance to master plan (if applicable).

Manholes:

- Any Manholes in “poor” “very poor” or “unknown” condition should be located, opened, and inspected by staff to determine what rehabilitation measures are necessary.
- Work with an engineering firm to finalize a cost effectiveness analysis and recommendation for sewer system manhole improvements.
- Consider the purchase of inflow shields.

Lift Stations:

- Continue with scheduled work with NEPA grant to Upgrade Vereen Lift Station.
- Have Generators evaluated and connected to Vereen Lift Station and Campus View Lift Station.
- Lift Station checks should be done daily

Other Areas:

- An Asset Management Planning (AMP) and Computerized Maintenance Management System (CMMS) program must be implemented to maintain assets efficiently and effectively.
- Staff training on maintenance, safety, and use of the AMP/CMMS tool must be completed.
- Rates must be modified and monitored to ensure adequate funding for operations and system improvements.
- An audit of Energy Saving initiatives is recommended. Even small changes in energy use can result in large savings.
- The Asset Management Plan must be adopted by Resolution or Ordinance. This demonstrates the utility's commitment to the plan. After adoption, implementation of the AMP must occur.

Implementing this Asset Management and Fiscal Sustainability Plan:

Implementing an Asset Management and Fiscal Sustainability Plan requires several items:

1. **Assign specific personnel** to oversee and perform the tasks of Asset Management.

2. **Develop and use a Computerized Maintenance Management System (CMMS) program**. The information provided in this AMPFS plan will give the utility a good starting point to begin. Properly maintaining assets will ensure their useful life is extended and will ultimately save money. Asset maintenance tasks are scheduled and tracked, new assets are captured, and assets removed from service are retired properly using CMMS. Transitioning from reactive to preventive and predictive maintenance philosophies will net potentially large savings for the utility. Diamond Maps is one example among many options that are available. FRWA can help with set up and implementation.

3. **Develop specific Level of Service items**. Create a Level of Service (LOS) Agreement and inform customers of the Utility's commitment to providing the stated LOS. Successes can be shared with customers. This can dramatically improve customer relations. This also gives utility employees goals to strive for and can positively impact morale. We have included a draft LOS list in Section 2 – Level of Service.

4. **Develop specific Change Out/Repair/Replacement Programs**. The Town budgets for Repair and Replacement should continue to evaluate the system to adjust the annual budgeted amounts accordingly. An example includes budgeting for a certain number of stepped system refurbishments each year.

5. **Modify the existing rate structure.** Continue to make sure adequate funds are available to properly operate and maintain the facilities. Rate increases, when required, can be accomplished in a stepped fashion rather than an 'all now' approach to lessen the resulting customer impact.

6. **Explore financial assistance options.** Financial assistance is especially useful in the beginning stages of Asset Management since budget shortfalls likely to exist and high-cost items may be needed quickly. For a table of common funding sources, see Funding Sources for Water and Wastewater Systems.

7. **Revisit the AMFS plan annually.** An Asset Management Plan is a living document. It can be revised at any time but must be revisited and evaluated at least once each year. Common updates or revisions include:

    - Changes to your asset management team;
    - Updates to the asset inventory;
    - Updates to asset condition and criticality ranking charts;
    - Updates to asset condition and criticality assessment procedures;
    - Updates to operation and maintenance activities;
    - Changes to financial strategies and long-term funding plans.

The annual review should begin by asking yourself:

"What changes have occurred since our last AMFS plan update?"

Funding Sources for Water and Wastewater Systems

On the following page is a table of common funding sources, including web links and contact information. All municipal systems should be making the effort to secure funding, which can be in the form of low or no interest loans, grants or a combination of both.

Agency/Program	Website	Contact
FDEP Drinking Water State Revolving Fund Program (DWSRF)	https://floridadep.gov/wra/srf/content/dwsrf-program	Eric Meyers eric.v.meyers@FloridaDEP.gov 850-245-2991
FDEP Clean Water State Revolving Fund Loan Program (CWSRF)	https://floridadep.gov/wra/srf/content/cwsrf-program	Mike Chase Michael.Chase@FloridaDEP.gov 850-245-2969
USDA Rural Development- Water and Wastewater Direct Loans and Grants	https://www.rd.usda.gov/programs-services/rural-economic-development-loan-grant-program https://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program	Jeanie Isler jeanie.isler@fl.usda.gov 352-338-3440
Economic Development Administration- Public Works and Economic Adjustment Assistance Programs	https://www.eda.gov/resources/economic-development-directory/states/fl.htm https://www.grants.gov/web/grants/view-opportunity.html?oppId=294771	Greg Vaday gvaday@eda.gov 404-730-3009
National Rural Water Association- Revolving Loan Fund	https://nrwa.org/initiatives/revolving-loan-fund/	Gary Williams Gary.Williams@frwa.net 850-668-2746
Florida Department of Economic Opportunity- Florida Small Cities Community Development Block Grant Program	http://www.floridajobs.org/community-planning-and-development/assistance-for-governments-and-organizations/florida-small-cities-community-development-block-grant-program	Roger Doherty roger.doherty@deo.myflorida.com 850-717-8417
Northwest Florida Water Management System - Cooperative Funding Initiative (CFI)	https://www.nwfwater.com/Water-Resources/Funding-Programs	Christina Coger Christina.Coger@nwfwater.com 850-539-5999

Closing:

This Asset Management and Fiscal Sustainability plan is presented to the Town of Eatonville for consideration and final adoption. Its creation would not be possible without the cooperation of the Town staff and the Florida Department of Environmental Protection State Revolving Fund (FDEP-SRF).

As a valued FRWA member, it is our goal to help make the most effective and efficient use of your limited resources. The Asset Management and Fiscal Sustainability Plan is an unbiased, impartial, independent review and is solely intended for achievement of drinking water and wastewater system fiscal sustainability and maintaining your valuable utility assets. The Florida Rural Water Association has enjoyed serving you and will happily assist the Town of Eatonville with any future projects to ensure your Asset Management Plan is a success.

APPENDIX A: Sample Resolution

RESOLUTION NO. 2024-_____

A RESOLUTION OF THE TOWN OF EATONVILLE FLORIDA, APPROVING THE TOWN OF EATONVILLE WASTEWATER UTILITY ASSET MANAGEMENT AND FISCAL SUSTAINABILITY PLAN; AUTHORIZING THE CHIEF ADMINISTRATIVE OFFICER AND DEPARTMENT DIRECTOR TO TAKE ALL ACTIONS NECESSARY TO EFFECTUATE THE INTENT OF THIS RESOLUTION; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Florida Statutes provide for financial assistance to local government agencies to finance construction of the municipal utility system improvements; and

WHEREAS, the Florida Department of Environmental Protection State Revolving Fund (SRF) has designated the Town of Eatonville Wastewater Utility System Improvements identified in the Asset Management and Fiscal Sustainability Plan, as potentially eligible for available funding; and

WHEREAS, as a condition of obtaining funding from the SRF, the Town is required to implement an Asset Management and Fiscal Sustainability Plan for the Town's Wastewater Utility System Improvements; and

WHEREAS, the Town Council of the Town of Eatonville has determined that approval of the attached Asset Management and Fiscal Sustainability Plan for the proposed improvements, in order to obtain necessary funding in accordance with SRF guidelines, is in the best interest of the City.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN OF EATONVILLE TOWN COUNCIL the following:

Section 1. That the Town Council hereby approves the Town of Eatonville Wastewater Utility Asset Management and Fiscal Sustainability Plan, attached hereto and incorporated by reference as a part of this Resolution.

Section 2. That the Town Chief Administrative Officer and Department Director are authorized to take all actions necessary to effectuate the intent of this Resolution and to implement the Asset Management and Fiscal Sustainability Plan in accordance with applicable Florida law and Council direction in order to obtain funding from the SRF.

Section 3. That the Town will annually evaluate existing rates to determine the need for any increase and will increase rates in accordance with the financial recommendation found in the Asset Management and Fiscal Sustainability Plan or in proportion to the Town's needs as determined by the Council in its discretion.

Section 4. That this Resolution shall become effective immediately upon its adoption.

PASSED AND ADOPTED on this_____ day of_____, 2024.

Town of Eatonville, FLORIDA

_____
Mayor

ATTEST:

_____
Town Clerk

REVIEWED AND APPROVED:

_____
Town Attorney

Appendix B: Master Asset List

Manhole									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wwManH-1	D1	1980	50	Average	2049	Medium Priority	28.61244	-81.3756166	7728
wwManH-2	D-6	1980	50	Average	2049	Medium Priority	28.61242	-81.3762302	10424
wwManH-3	D-6-2	1980	50	Average	2049	Medium Priority	28.61301	-81.3762584	9166
wwManH-4	D-5	1980	50	Very Poor	2029	Medium/High Priority	28.61298	-81.3773182	5392
wwManH-5	D-20	1980	50	Average	2049	Medium Priority	28.61386	-81.375646	15097
wwManH-7	D-16	1980	50	Average	2049	Medium Priority	28.61494	-81.3776909	18332
wwManH-8	D-13	1980	50	Poor	2039	Medium/High Priority	28.61493	-81.3788193	12581
wwManH-10	D-13-4	1980	50	Average	2049	Medium Priority	28.61493	-81.3795392	13479
wwManH-14	D-2-2	1980	50	Average	2049	Medium Priority	28.61754	-81.3795717	18152
wwManH-15	D-7-5	1980	50	Average	2049	Medium Priority	28.61753	-81.3786963	20129
wwManH-24	D-17-4	1980	50	Average	2049	Medium Priority	28.61628	-81.3763003	12000
wwManH-25	D-13-12	1980	50	Average	2049	Medium Priority	28.61528	-81.3757908	8627
wwManH-26	D-13-13	1980	50	Average	2049	Medium Priority	28.61525	-81.3763029	11682
wwManH-27	D-13-14	1980	50	Average	2049	Medium Priority	28.61523	-81.3769574	16355
wwManH-29	D-2-4	1980	50	Average	2049	Medium Priority	28.61943	-81.3792748	18332
wwManH-30	D-2-5	1980	50	Average	2049	Medium Priority	28.61686	-81.3795616	13479
wwManH-32	D-2-7	1980	50	Average	2049	Medium Priority	28.61626	-81.3795551	7728
wwManH-33	D-2-8	1980	50	Average	2049	Medium Priority	28.61592	-81.3795653	9705
wwManH-34	D-8-3	1980	50	Average	2049	Medium Priority	28.616	-81.379925	6829
wwManH-35	D-8-4	1980	50	Average	2049	Medium Priority	28.61631	-81.3791046	13120
wwManH-37	D-8-6	1980	50	Average	2049	Medium Priority	28.6163	-81.3788027	16714
wwManH-38	D-8-7	1980	50	Average	2049	Medium Priority	28.61631	-81.3769673	9705

Manhole									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wwManH-40	D-15-1	1980	50	Very Poor	2029	Medium/High Priority	28.61628	-81.3756283	8087
wwManH-41	D-15-2	1980	50	Average	2049	Medium Priority	28.61699	-81.3756397	7548
wwManH-42	D-15-3	1980	50	Average	2049	Medium Priority	28.61804	-81.3756437	6829
wwManH-43	D-15-4	1980	50	Poor	2039	Medium/High Priority	28.61846	-81.3756619	12000
wwManH-44	D-17-1	1980	50	Average	2049	Medium Priority	28.61827	-81.3763204	6290
wwManH-47	D-17-4	1980	50	Average	2049	Medium Priority	28.61747	-81.376304	12000
wwManH-53	D-12-5	1980	50	Average	2049	Medium Priority	28.61743	-81.3770336	9166
wwManH-56	D-12-8	1980	50	Average	2049	Medium Priority	28.61845	-81.3770331	9705
wwManH-57	D-16-1	1980	50	Average	2049	Medium Priority	28.61843	-81.3777408	15816
wwManH-58	D-16-2	1980	50	Average	2049	Medium Priority	28.61751	-81.3777276	20309
wwManH-60	D-16-4	1980	50	Average	2049	Medium Priority	28.61627	-81.3777017	17253
wwManH-63	D-16-7	1980	50	Poor	2039	Medium/High Priority	28.61522	-81.3776987	18871
wwManH-65	D-4-1	1980	50	Average	2049	Medium Priority	28.61669	-81.3786822	7548
wwManH-67	D-4-3	1980	50	Average	2049	Medium Priority	28.6157	-81.3788094	8806
wwManH-70	C-3-1	1980	50	Average	2049	Medium Priority	28.61944	-81.3760632	9346
wwManH-72	C-3-3	1980	50	Average	2049	Medium Priority	28.61943	-81.3768126	8806
wwManH-73	C-3-4	1980	50	Average	2049	Medium Priority	28.61944	-81.3784054	19590
wwManH-74	C-3-5	1980	50	Average	2049	Medium Priority	28.61943	-81.3799179	19590
wwManH-75	C-4-1	1980	50	Average	2049	Medium Priority	28.61956	-81.3756841	15636
wwManH-76	C-4-2	1980	50	Average	2049	Medium Priority	28.61902	-81.3756774	8806
wwManH-78	C-12-3	1980	50	Poor	2039	Medium/High Priority	28.61944	-81.3777397	19050
wwManH-79	D-13-7	1980	50	Average	2049	Medium Priority	28.61494	-81.3803954	8986
wwManH-84	D-14-1	1980	50	Average	2049	Medium Priority	28.61525	-81.3813623	3055
wwManH-85	D-13-2	1980	50	Average	2049	Medium Priority	28.61605	-81.3814118	9705
wwManH-86	D-14-3	1980	50	Average	2049	Medium Priority	28.61692	-81.3814546	13659

Manhole									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wwManH-87	D-14-4	1980	50	Average	2049	Medium Priority	28.61762	-81.3814798	14018
wwManH-88	D-7-1	1980	50	Average	2049	Medium Priority	28.61759	-81.3805205	14737
wwManH-92	B-1-1	1980	50	Average	2049	Medium Priority	28.61454	-81.3935417	8267
wwManH-93	B-1-2	1980	50	Average	2049	Medium Priority	28.61456	-81.3926769	14378
wwManH-94	B-1-3	1980	50	Average	2049	Medium Priority	28.61451	-81.3925765	13479
wwManH-95	B-1-4	1980	50	Average	2049	Medium Priority	28.6139	-81.3926009	13479
wwManH-96	B-1-5	1980	50	Average	2049	Medium Priority	28.61388	-81.3927631	14378
wwManH-97	B-9-1	1980	50	Average	2049	Medium Priority	28.61312	-81.3927398	10783
wwManH-98	B-9-1	1980	50	Average	2049	Medium Priority	28.61309	-81.3925791	8087
wwManH-99	B-9-3	1980	50	Average	2049	Medium Priority	28.61204	-81.3925583	7189
wwManH-100	B-9-4	1980	50	Average	2049	Medium Priority	28.61185	-81.3935976	8267
wwManH-101	B-4-1	1980	50	Average	2049	Medium Priority	28.61186	-81.3925183	5931
wwManH-102	B-4-2	1980	50	Average	2049	Medium Priority	28.61186	-81.3914699	7189
wwManH-103	B-4-3	1980	50	Average	2049	Medium Priority	28.61187	-81.3905064	6829
wwManH-104	B-2-1	1980	50	Average	2049	Medium Priority	28.61197	-81.3936834	8986
wwManH-105	B-2-2	1980	50	Average	2049	Medium Priority	28.61311	-81.3936935	12000
wwManH-106	B-2-3	1980	50	Average	2049	Medium Priority	28.61387	-81.3937077	17972
wwManH-107	B-2-4	1980	50	Average	2049	Medium Priority	28.61449	-81.3937251	25161
wwManH-108	B-2-5	1980	50	Average	2049	Medium Priority	28.6146	-81.3940722	26958
wwManH-109	B-2-6	1980	50	Average	2049	Medium Priority	28.6151	-81.3941361	32350
wwManH-110	B-2-7	1989	50	Poor	2039	Medium/High Priority	28.61558	-81.3941662	12000
wwManH-113	B-6-1	1989	50	Average	2049	Medium Priority	28.61558	-81.3946874	21567
wwManH-114	B-6-2	1989	50	Average	2049	Medium Priority	28.61557	-81.3956484	13479
wwManH-115	B-6-3	1990	50	Average	2049	Medium Priority	28.61555	-81.3969736	10783
wwManH-116	B-6-4	1985	50	Average	2049	Medium Priority	28.61554	-81.397439	10424

Manhole									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wwManH-117	B-7-3	1989	50	Poor	2039	Medium/High Priority	28.6195	-81.3871883	12000
wwManH-118	A-1-1	1989	50	Poor	2039	Medium/High Priority	28.61857	-81.3914438	28755
wwManH-119	A-6-1	1989	50	Average	2049	Medium Priority	28.6192	-81.3902859	8267
wwManH-120	A-1-2	1985	50	Average	2049	Medium Priority	28.61924	-81.3914371	30553
wwManH-123	A-1-5	2000	50	Good	2059	Medium Priority	28.61998	-81.3914227	32350
wwManH-124	A-8-3	1985	50	Average	2049	Medium Priority	28.61964	-81.3922143	21207
wwManH-125	A-3-1	1985	50	Average	2049	Medium Priority	28.6186	-81.3922601	21567
wwManH-128	A-8-2	1985	50	Average	2049	Medium Priority	28.61861	-81.3930458	12000
wwManH-129	A-8-3	1985	50	Average	2049	Medium Priority	28.61966	-81.393055	11862
wwManH-131	A-2-1	1985	50	Average	2049	Medium Priority	28.61969	-81.3938344	10783
wwManH-132	D-10-1	1980	50	Average	2049	Medium Priority	28.61654	-81.3803536	6650
wwManH-133	D-8-1	1980	50	Average	2049	Medium Priority	28.61603	-81.3810709	8986
wwManH-134	D-8-2	1980	50	Average	2049	Medium Priority	28.61602	-81.3803583	10244
wwManH-135	D-11-1	1980	50	Average	2049	Medium Priority	28.61689	-81.3803164	8627
wwManH-136	D-11-2	1980	50	Average	2049	Medium Priority	28.6169	-81.3811349	8447
wwManH-141	C-11-1	1980	50	Average	2049	Medium Priority	28.61842	-81.3818262	11143
wwManH-144	C-11-4	1980	50	Average	2049	Medium Priority	28.61951	-81.3818757	10783
wwManH-145	C-11-5	1960	50	Average	2049	Medium Priority	28.62	-81.3819216	8627
wwManH-148	C-3-6	1980	50	Average	2049	Medium Priority	28.61944	-81.3810032	14917
wwManH-149	C-3-7	1960	50	Average	2049	Medium Priority	28.61962	-81.3852307	6650
wwManH-150	C-3-8	1960	50	Average	2049	Medium Priority	28.61962	-81.3858508	8986
wwManH-151	C-9-1	1980	50	Average	2049	Medium Priority	28.61951	-81.3829028	11502
wwManH-152	C-8-1	1980	50	Average	2049	Medium Priority	28.6195	-81.3839435	9885
wwManH-156	B-7-1	1980	50	Average	2049	Medium Priority	28.62083	-81.3871978	15276
wwManH-157	B-7-2	1980	50	Average	2049	Medium Priority	28.62018	-81.387191	21567

Manhole									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wwManH-158	A-1-6	1985	50	Average	2049	Medium Priority	28.62109	-81.3914618	4493
wwManH-161	A-8-4	1985	50	Poor	2039	Medium/High Priority	28.62039	-81.3930559	12000
wwManH-162	A-8-5	1985	50	Average	2049	Medium Priority	28.62111	-81.393057	7189
wwManH-163	A-3-3	1985	50	Average	2049	Medium Priority	28.62113	-81.3922581	9885
wwManH-164	A-3-4	1985	50	Average	2049	Medium Priority	28.62023	-81.3922315	15276
wwManH-165	A-2-2	1985	50	Average	2049	Medium Priority	28.6204	-81.3938613	10783
wwManH-166	A-2-3	1985	50	Average	2049	Medium Priority	28.62116	-81.3938737	8447
wwManH-168	D-2-2	1980	50	Average	2049	Medium Priority	28.62075	-81.3792333	7189
wwManH-169	D-2-3	1960	50	Average	2049	Medium Priority	28.62031	-81.3792502	10424
wwManH-170	C-11-7	1960	50	Average	2049	Medium Priority	28.62041	-81.3817991	10244
wwManH-173	C-2-1	1960	50	Average	2049	Medium Priority	28.6203	-81.3847562	9166
wwManH-174	C-2-2	1960	50	Average	2049	Medium Priority	28.62028	-81.3858569	10604
wwManH-175	C-5-1	1960	50	Average	2049	Medium Priority	28.62096	-81.3858653	9525
wwManH-176	C-5-2	1960	50	Average	2049	Medium Priority	28.62097	-81.3853248	8986
wwManH-179	C-5-5	1960	50	Average	2049	Medium Priority	28.62056	-81.3826686	10963
wwManH-180	C-5-6	1960	50	Average	2049	Medium Priority	28.62055	-81.3819381	10064
wwManH-181	C-5-7	1980	50	Average	2049	Medium Priority	28.62036	-81.3814221	12000
wwManH-182	C-5-7	1980	50	Average	2049	Medium Priority	28.62032	-81.3801973	11143
wwManH-187	C-5-12	1980	50	Average	2049	Medium Priority	28.62032	-81.3781525	8627
wwManH-188	C-7-1	1960	50	Average	2049	Medium Priority	28.62106	-81.3814894	6111
wwManH-189	C-7-2	1960	50	Average	2049	Medium Priority	28.62103	-81.3802782	8087
wwManH-190	C-10-1	1960	50	Average	2049	Medium Priority	28.62099	-81.3801938	8627
wwManH-191	C-8-3	1960	50	Average	2049	Medium Priority	28.62098	-81.383936	11682
wwManH-193	C-5-13	1980	50	Average	2049	Medium Priority	28.62031	-81.3778369	6829
wwManH-194	C-5-14	1980	50	Average	2049	Medium Priority	28.62028	-81.3777355	14737

Manhole									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wwManH-195	C-5-15	1980	50	Average	2049	Medium Priority	28.6203	-81.3777344	4313
wwManH-198	C-5-18	1980	50	Average	2049	Medium Priority	28.62031	-81.3770823	8267
wwManH-200	C-5-20	1980	50	Average	2049	Medium Priority	28.62038	-81.3757051	20488
wwManH-203	C-12-1	1980	50	Average	2049	Medium Priority	28.62024	-81.3777422	16534
wwManH-204		1980	50	Very Poor	2027	Medium/High Priority	28.61848	-81.3890477	16534
wwManH-205		1985	50	Very Poor	2027	Medium/High Priority	28.61853	-81.3914459	16175
wwManH-206		1985	50	Average	2047	Medium/High Priority	28.61861	-81.3938414	20668
wwManH-207		1980	50	Unknown	2030	Medium/High Priority	28.61842	-81.3872372	12000
wwManH-209		2020	50	Good	2057	Medium Priority	28.62001	-81.39089	26599
wwManH-210		1960	50	Average	2047	Medium/High Priority	28.62057	-81.3839359	10963
wwManH-211		1980	50	Average	2049	Medium/High Priority	28.61543	-81.3813746	6650
wwManH-212		1980	50	Average	2049	Medium/High Priority	28.61742	-81.3777403	18511
wwManH-213		1980	50	Average	2049	Medium/High Priority	28.61768	-81.376314	8267
wwManH-214		1980	50	Average	2049	Medium/High Priority	28.618	-81.3763071	10424
wwManH-215		1980	50	Poor	2039	Medium/High Priority	28.61764	-81.3770245	12000
wwManH-216		2000	50	Average	2049	Medium/High Priority	28.61781	-81.3885887	12581
wwManH-217		2000	50	Average	2049	Medium/High Priority	28.61711	-81.3885888	17433
wwManH-218		2000	50	Average	2049	Medium/High Priority	28.61592	-81.3885629	12940
wwManH-219		2000	50	Average	2049	Medium/High Priority	28.61482	-81.3885631	17074
wwManH-220		2000	50	Average	2049	Medium/High Priority	28.61402	-81.3885665	20668
wwManH-221		2000	50	Average	2049	Medium/High Priority	28.61365	-81.3884091	14378
wwManH-222		2000	50	Average	2049	Medium/High Priority	28.61312	-81.3879599	10783
wwManH-223		2000	50	Average	2049	Medium/High Priority	28.61175	-81.3879188	8986
wwManH-224		2000	50	Average	2049	Medium/High Priority	28.61244	-81.3879185	10783
wwManH-225		2000	50	Good	2059	Medium Priority	28.62001	-81.3908979	32350

Manhole									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wwManH-226	Manhole	2000	50	Average	2049	Medium/High Priority	28.62002	-81.3913355	32350

Control Valve									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wControlValve-1		1990	25	Average	2035	Medium Priority	28.61383	-81.3756329	800
wControlValve-2	Check Valve	1990	25	Average	2035	Medium Priority	28.61382	-81.3756142	800
wControlValve-3		2008	25	Average	2035	Medium Priority	28.62026	-81.3776804	1200
wControlValve-4		2008	25	Average	2035	Medium Priority	28.62025	-81.3776764	1200
wControlValve-5	Check valve	2020	25	Excellent	2045	Low Priority	28.62006	-81.3908804	2500
wControlValve-6		2020	25	Excellent	2045	Low Priority	28.62006	-81.390839	800
wControlValve-7		2020	25	Excellent	2045	Low Priority	28.62007	-81.3908783	2500
Vereen LS Valve Box		1990	25	Average	2035	Medium Priority	28.61383	-81.3756223	5000
ELS Valve Box		2008	30	Average	2037	Medium/High Priority	28.62026	-81.3776804	5000
PLS Flow Meter Box		2020	25	Good	2040	Medium Priority	28.62006	-81.3908032	5000
Campus View Dr Dry Well		2020	50	Average	2049	Medium/High Priority	28.61509	-81.3939567	5000

Electrical Equipment									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wElec-1	Verren ls controls	1990	20	Average	2032	Medium/High Priority	28.61379	-81.3755933	5000
wElec-2	Eaton LS Control Panel	2008	20	Good	2036	Medium Priority	28.62024	-81.3777021	5000
wElec-3	ELS Generator	2017	20	Good	2036	Medium Priority	28.62021	-81.3776802	52000
wElec-4	Eaton LS Transfer Switch	2017	20	Good	2036	Medium Priority	28.62023	-81.377691	5000
wElec-5	Park LS Generator	2020	20	Good	2036	Medium Priority	28.62012	-81.390843	65000
wElec-6	Park ATS	2020	20	Excellent	2040	Low Priority	28.62011	-81.3909127	10000
wElec-7	Park LS Control Pannel	2020	20	Excellent	2040	Low Priority	28.62011	-81.3908631	10000
wElec-8	Surge Protector	2020	20	Good	2036	Medium Priority	28.62011	-81.3908912	5000

Electrical Equipment									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wElec-9	Park LS disconnect switch	2020	20	Good	2036	Medium Priority	28.62012	-81.3909207	1500
wElec-10	Campus View Generator	2000	20	Poor	2028	Medium/High Priority	28.61508	-81.3938519	50000
wElec-11	Campus View Control Panel	2020	20	Excellent	2040	Low Priority	28.61506	-81.3939806	5000
wElec-12	Vereen St generator	1990	25	Poor	2032	Medium/High Priority	28.61384	-81.3756091	50000
wEquip-13	Effluent Flow Meter	2020	15	Good	2033	Medium Priority	28.62006	-81.3908032	5500
wEquip-14	PLS Gen Fuel Tank	2020	20	Excellent	2040	Low Priority	28.62012	-81.3908825	5550

Pumps									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wPump-1	VLS Pump 1	1990	20	Average	2032	Medium/High Priority	28.6138	-81.3756167	3000
wPump-2	VLS Pump1	1990	20	Average	2032	Medium Priority	28.6138	-81.3756368	3000
wPump-3	Eaton LS Pump 1	2008	20	Average	2032	Medium/High Priority	28.62026	-81.3777059	10000
wPump-4	ELS Pump 2	2017	20	Average	2032	Medium/High Priority	28.62025	-81.3776977	10000
wPump-5	PLS Pump 1	2020	20	Good	2036	Medium Priority	28.62007	-81.3909115	25000
wPump-6	Park LS Pump 2	2020	20	Excellent	2040	Low Priority	28.62005	-81.390918	25000
wPump-7	CVLS Pump 1	2020	20	Good	2036	Medium Priority	28.61509	-81.3939846	15000
wPump-8	CVLS Pump 2	2020	20	Average	2032	Medium/High Priority	28.61508	-81.3939893	15000

Valves									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wwValvInFac-1		1990	25	Average	2035	Medium Priority	28.61384	-81.3756356	800
wwValvInFac-2		1990	25	Average	2035	Medium Priority	28.61384	-81.3756128	800
wwValvInFac-3		1990	25	Average	2035	Medium Priority	28.61385	-81.3756101	800
wwValvInFac-4	Valve	2020	25	Excellent	2045	Low Priority	28.62006	-81.3908617	2500
wwValvInFac-5		2020	25	Excellent	2045	Low Priority	28.62007	-81.3908602	2500
wwValvInFac-6		2020	25	Good	2040	Medium Priority	28.62004	-81.3908513	1200

Valves									
ID	**Name**	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
wwValvInFac-7		2020	25	Good	2040	Medium Priority	28.62003	-81.3908067	1200

Wet wells								
Name	**Installed**	**Design Life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Replacement Cost**
Vereen LS	2000	50	Average	2050	Medium/High Priority	28.61379	-81.3756297	120000
CVLS Wet Well	2020	50	Good	2057	Medium Priority	28.61509	-81.3939808	150000
Eaton LS Wet Well	2008	50	Good	2058	Medium Priority	28.62025	-81.3777149	150000
Park LS Wet Well	2000	50	Good	2050	Medium Priority	28.62006	-81.3909015	180000

Gravity Main									
Name	**Installed**	**Design life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Length**	**Replacement Cost**
GravityMain	1980	100	Average	2046	Medium/High Priority	28.61555	-81.3972	167.8	14263
GravityMain	1980	100	Average	2046	Medium/High Priority	28.61556	-81.3963	406	34510
GravityMain	1980	100	Average	2046	Medium/High Priority	28.61557	-81.3952	307.9	26172
GravityMain	1980	100	Average	2046	Medium/High Priority	28.61534	-81.3942	345.4	29359
GravityMain	1980	100	Average	2046	Medium/High Priority	28.61349	-81.3937	278.4	23664
GravityMain	1980	100	Average	2046	Medium/High Priority	28.61312	-81.3932	305.6	25976
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61523	-81.3773	237.5	16150
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61527	-81.376	164.4	11179
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61524	-81.3766	209.9	14273
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61418	-81.3937	226.8	19278
GravityMain	1980	100	Average	2047	Low Priority	28.61187	-81.391	308.7	26240
GravityMain	1980	100	Average	2047	Low Priority	28.61187	-81.392	349.7	29725
GravityMain	1980	100	Average	2047	Low Priority	28.61187	-81.3931	332.4	28254
GravityMain	1980	100	Average	2047	Low Priority	28.61255	-81.3937	480.8	40868
GravityMain	1980	100	Average	2047	Low Priority	28.61311	-81.3927	437.7	37205
GravityMain	1980	100	Average	2047	Low Priority	28.61485	-81.3941	360.9	30677
GravityMain	1980	100	Average	2047	Low Priority	28.61388	-81.3932	354.9	30167
GravityMain	1980	100	Average	2047	Low Priority	28.61455	-81.3931	314	26690
GravityMain	1980	100	Average	2047	Low Priority	28.62054	-81.3914	403.9	34332
GravityMain	1980	100	Average	2047	Low Priority	28.61858	-81.3926	256.8	17462
GravityMain	1980	100	Average	2047	Low Priority	28.61855	-81.3918	238.6	16225

Gravity Main									
Name	**Installed**	**Design life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Length**	**Replacement Cost**
GravityMain	1980	100	Average	2047	Low Priority	28.61851	-81.3908	406.9	48421
GravityMain	1980	100	Average	2047	Low Priority	28.61848	-81.3896	361.7	43042
GravityMain	1980	100	Average	2047	Low Priority	28.61846	-81.3884	442	52598
GravityMain	1980	100	Average	2047	Low Priority	28.61855	-81.3914	16	1360
GravityMain	1980	100	Average	2047	Low Priority	28.62078	-81.3939	278.6	23681
GravityMain	1980	100	Average	2047	Low Priority	28.62004	-81.3938	260	22100
GravityMain	1980	100	Average	2047	Low Priority	28.61915	-81.3938	389.4	33099
GravityMain	1980	100	Average	2047	Low Priority	28.61861	-81.3934	254.9	21667
GravityMain	1980	100	Average	2047	Medium/High Priority	28.6186	-81.3926	254.7	30309
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61858	-81.3918	258.7	30785
GravityMain	1980	100	Average	2047	Low Priority	28.62075	-81.3931	261.5	22228
GravityMain	1980	100	Average	2047	Low Priority	28.62003	-81.3931	266.3	22636
GravityMain	1980	100	Average	2047	Low Priority	28.61914	-81.3931	384.6	32691
GravityMain	1980	100	Average	2047	Low Priority	28.62068	-81.3922	327.1	27804
GravityMain	1980	100	Average	2047	Low Priority	28.61996	-81.3922	196.6	16711
GravityMain	1980	100	Average	2047	Low Priority	28.61915	-81.3922	395.4	33609
GravityMain	1980	100	Average	2047	Low Priority	28.61922	-81.3909	369.2	31382
GravityMain	1980	100	Average	2047	Low Priority	28.61892	-81.3914	248.9	21157
GravityMain	1980	100	Average	2047	Low Priority	28.61961	-81.3914	271.3	23061
GravityMain	1980	100	Average	2047	Medium/High Priority	28.62	-81.3912	170.9	14527
GravityMain	1980	100	Average	2057	Medium Priority	28.62003	-81.3909	15.3	1301
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61896	-81.3872	1027.3	122249
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61962	-81.3855	198.6	13505
GravityMain	1980	100	Average	2047	Medium/High Priority	28.62036	-81.3815	2183.7	185615
GravityMain	1980	100	Average	2047	Medium/High Priority	28.62097	-81.3844	618.3	52556
GravityMain	1980	100	Average	2047	Medium/High Priority	28.62062	-81.3859	600.6	51051
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61995	-81.3859	239.5	20358
GravityMain	1980	100	Average	2047	Medium/High Priority	28.62011	-81.3819	979	83215
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61897	-81.3819	401.3	34111
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61944	-81.3781	1342	114070
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61944	-81.3773	537.1	45654
GravityMain	1980	100	Average	2047	Medium/High Priority	28.62031	-81.3773	1146	97410

Gravity Main									
Name	**Installed**	**Design life**	**Condition**	**EOL**	**Risk Description**	**Latitude**	**Longitude**	**Length**	**Replacement Cost**
GravityMain	1980	100	Average	2047	Medium/High Priority	28.62066	-81.3802	661.3	56211
GravityMain	1980	100	Average	2047	Medium/High Priority	28.62053	-81.3792	155.8	13243
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61547	-81.3803	2160.5	183643
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61609	-81.3796	1218.2	103547
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61627	-81.3804	185.9	15802
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61601	-81.3801	138.3	11756
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61596	-81.3777	1056.6	89811
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61722	-81.3796	557.1	47354
GravityMain	1980	100	Average	2047	Medium/High Priority	28.6168	-81.3777	786.7	66870
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61755	-81.377	293.4	24939
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61787	-81.3763	293.8	24973
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61631	-81.379	219.6	18666
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61753	-81.3782	625.9	53202
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61565	-81.3814	292.6	24871
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61664	-81.3756	793.4	67439
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61575	-81.3763	808.1	68689
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61577	-81.377	810.1	68859
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61628	-81.376	215.3	18301
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61448	-81.3757	1026.7	87270
GravityMain	1980	100	Average	2047	Medium/High Priority	28.61375	-81.3768	1823	154955
GravityMain	1980	50	Average	2049	Medium/High Priority	28.61946	-81.3815	276.5	15000

Appendix C: RevPlan

Eatonville										
Eatonville 24										
Fiscal Year: 2024										
Wastewater Revenue Requirements										
	2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Revenue Requirements:										
Operating Expenses	$634,900	$653,900	$673,600	$693,800	$714,600	$736,000	$758,100	$780,800	$804,300	$828,400
Debt Service	$87,900	$165,800	$165,900	$166,000	$166,100	$166,200	$166,300	$166,400	$166,500	$166,600
Other Expenses/Transfers	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Capital Expenditures	$0	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800
Gross Revenue Requirements	$722,800	$873,500	$893,200	$913,500	$934,400	$956,000	$978,200	$1,001,000	$1,024,500	$1,048,800
Less: Other Revenue	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500
Net Revenue Requirements	$635,400	$786,000	$805,800	$826,100	$847,000	$868,500	$890,700	$913,500	$937,100	$961,300
Existing Rate Sufficiency:										
Revenue from Existing Rates	$365,200	$365,200	$365,200	$365,200	$365,200	$365,200	$365,200	$365,200	$365,200	$365,200
Revenue Surplus/(Deficiency)	-$270,100	-$420,800	-$440,500	-$460,800	-$481,700	-$503,300	-$525,500	-$548,300	-$571,800	-$596,100
Proposed Rate Sufficiency:										
Revenue from Proposed Rates	$365,200	$913,100	$922,200	$931,400	$940,800	$950,200	$959,700	$969,300	$978,900	$988,700
Increase in Revenue	$0	$547,900	$557,000	$566,200	$575,500	$584,900	$594,400	$604,000	$613,700	$623,500
Cumulative %										
All Customer Classes										
Base Charges	0.00%	150.00%	152.50%	155.03%	157.58%	160.15%	162.75%	165.38%	168.03%	170.71%
Usage Charges	0.00%	150.00%	152.50%	155.03%	157.58%	160.15%	162.75%	165.38%	168.03%	170.71%
Current Year %										
All Customer Classes										
Base Charges	0.00%	150.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Usage Charges	0.00%	150.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Revenue Surplus/(Deficiency)	-$270,100	$127,000	$116,500	$105,400	$93,800	$81,700	$69,000	$55,700	$41,900	$27,400

Eatonville
Eatonville 24
Fiscal Year: 2024
Debt Service Coverage

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Revenue:										
Revenue from Proposed Drinking Water Rates	$260,800	$766,700	$774,400	$782,100	$790,000	$797,900	$805,800	$813,900	$822,000	$830,300
Revenue from Proposed Wastewater Rates	$365,200	$913,100	$922,200	$931,400	$940,800	$950,200	$959,700	$969,300	$978,900	$988,700
Subtotal - Rate Revenue	$626,000	$1,679,800	$1,696,600	$1,713,600	$1,730,700	$1,748,000	$1,765,500	$1,783,200	$1,801,000	$1,819,000
Miscellaneous Revenue - Drinking Water	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500
Miscellaneous Revenue - Wastewater	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500	$87,500
Total Revenue	$801,000	$1,854,800	$1,871,600	$1,888,500	$1,905,700	$1,923,000	$1,940,400	$1,958,100	$1,975,900	$1,993,900
Operating Expenses:										
Drinking Water	$505,100	$520,300	$535,900	$552,000	$568,500	$585,600	$603,200	$621,300	$639,900	$659,100
Wastewater	$634,900	$653,900	$673,600	$693,800	$714,600	$736,000	$758,100	$780,800	$804,300	$828,400
Total Operating Expenses	$1,140,000	$1,174,200	$1,209,500	$1,245,800	$1,283,100	$1,321,600	$1,361,300	$1,402,100	$1,444,200	$1,487,500
Net Revenue	-$339,100	$680,500	$662,100	$642,800	$622,500	$601,300	$579,200	$556,000	$531,800	$506,400
Debt Service:										
Drinking Water	$0	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800
Wastewater	$87,900	$165,800	$165,900	$166,000	$166,100	$166,200	$166,300	$166,400	$166,500	$166,600
Total Debt Service	$87,900	$243,500	$243,600	$243,700	$243,800	$243,900	$244,000	$244,100	$244,200	$244,300
Debt Service Coverage	-3.86	2.79	2.72	2.64	2.55	2.47	2.37	2.28	2.18	2.07
Net Revenue Less Debt Service	-$427,000	$437,000	$418,500	$399,000	$378,700	$357,400	$335,200	$311,900	$287,500	$262,100
Capital Expenditures:										
Drinking Water	$76,700	$93,600	$93,600	$93,600	$93,600	$28,500	$21,600	$21,600	$21,600	$21,600
Wastewater	$0	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800
Total Capital Expenditures	$76,700	$147,400	$147,400	$147,400	$147,400	$82,300	$75,400	$75,400	$75,400	$75,400
Other Expenses/Transfers:										
Drinking Water	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Wastewater	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Other Expenses/Transfers	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Revenue Surplus/(Deficiency)	-$503,700	$289,600	$271,100	$251,600	$231,300	$275,100	$259,700	$236,400	$212,100	$186,700

Eatonville
Eatonville 24
Fiscal Year: 2024
Unrestricted Fund Balance

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Utility Reserve Funds:										
Beginning of Year Balance	$503,700	$0	$289,600	$560,600	$812,300	$1,043,600	$1,318,700	$1,578,400	$1,814,900	$2,027,000
Addition to Current Year	-$503,700	$289,600	$271,100	$251,600	$231,300	$275,100	$259,700	$236,400	$212,100	$186,700
End of Year Balance	$0	$289,600	$560,600	$812,300	$1,043,600	$1,318,700	$1,578,400	$1,814,900	$2,027,000	$2,213,700

Eatonville
Eatonville 24
Fiscal Year: 2024
CIP Schedule

Description	Funding Source	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Water Asset Management Reserve	Water Revenues	$0	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000
Wastewater Collection	Wastewater Revenues	$0	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800
Water Tower	Water Revenues	$76,700	$83,600	$83,600	$83,600	$83,600	$18,500	$11,600	$11,600	$11,600	$11,600
Piping from Lake Weston to S. Keller	Grant	$122,000	$810,000	$0	$0	$0	$0	$0	$0	$0	$0
Abandon AC pipe to WTP	Grant	$264,000	$1,755,000	$0	$0	$0	$0	$0	$0	$0	$0
Upsize WTP to 16"	Grant	$0	$0	$213,000	$0	$0	$0	$0	$0	$0	$0
Modify CUP	Grant	$0	$0	$75,000	$0	$0	$0	$0	$0	$0	$0
Well Drowdown	Grant	$0	$0	$50,000	$0	$0	$0	$0	$0	$0	$0
Upsize Well Pumps and Motors	Grant	$0	$0	$150,000	$0	$0	$0	$0	$0	$0	$0
Construct 0.5MG GST	Grant	$0	$0	$150,000	$1,000,000	$0	$0	$0	$0	$0	$0
WTP Ops BLDG	Grant	$25,000	$25,000	$0	$600,000	$4,000,000	$0	$0	$0	$0	$0
Increase Main line Dimensions	Grant	$0	$0	$198,000	$1,320,000	$0	$0	$0	$0	$0	$0
LFA Well to AWS	Grant	$0	$0	$0	$0	$0	$400,000	$400,000	$400,000	$400,000	$400,000
Maitland Interconnect	Grant	$0	$0	$0	$0	$0	$25,000	$0	$0	$0	$0
Replace non-pvc 6" mains	Grant	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000	$100,000
Vereen LS	Grant	$94,000	$332,500	$332,500	$0	$0	$0	$0	$0	$0	$0
Lake Lovely Rehab	Grant	$222,000	$1,669,000	$1,669,000	$0	$0	$0	$0	$0	$0	$0
Eastern Service Area Rehab	Grant	$0	$854,000	$4,268,000	$4,268,000	$4,268,000	$0	$0	$0	$0	$0
Pre-Eval New WTP	Grant	$0	$0	$0	$0	$130,000	$0	$0	$0	$0	$0

	Funding Source	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
	Water Revenues	$76,700	$93,600	$93,600	$93,600	$93,600	$28,500	$21,600	$21,600	$21,600	$21,600
	Wastewater Revenues	$0	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800	$53,800
	Grant	$827,000	$5,545,500	$7,205,500	$7,288,000	$8,498,000	$525,000	$500,000	$500,000	$500,000	$500,000
	Total	$903,700	$5,692,900	$7,352,900	$7,435,400	$8,645,400	$607,300	$575,400	$575,400	$575,400	$575,400

Eatonville
Eatonville 24
Fiscal Year: 2024
Debt Service Schedule

Debt	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
Existing Debts:													
CW 480200	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400	$13,400
CW 480202	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800	$64,800
CW 480240	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500	$4,500
USDA 2019A	$3,800	$3,900	$3,900	$4,000	$4,100	$4,100	$4,200	$4,300	$4,400	$4,400	$4,500	$4,600	$4,700
USDA 2019B	$1,500	$1,500	$1,500	$1,600	$1,600	$1,600	$1,600	$1,700	$1,700	$1,700	$1,800	$1,800	$1,800
Anticipated Debts:													
General Fund Reimbursement	$0	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500	$155,500
Total	$87,900	$243,500	$243,600	$243,700	$243,800	$243,900	$244,000	$244,100	$244,200	$244,300	$244,400	$244,500	$244,700
Drinking Water	$0	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800	$77,800
Wastewater	$87,900	$165,800	$165,900	$166,000	$166,100	$166,200	$166,300	$166,400	$166,500	$166,600	$166,700	$166,800	$166,900

Eatonville										
Eatonville 24										
Fiscal Year: 2024										
Rate Schedule										
	2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**
Wastewater										
Residential										
Base Charges Inside City										
5/8-inch	$17.61	$44.03	$44.47	$44.91	$45.36	$45.81	$46.27	$46.73	$47.20	$47.67
Usage Charges Inside City										
0 to 1,000 gallons	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
1,001 gallons or more	$2.19	$5.48	$5.53	$5.59	$5.64	$5.70	$5.75	$5.81	$5.87	$5.93
Commercial										
Base Charges Inside City										
5/8-inch	$33.16	$82.90	$83.73	$84.57	$85.41	$86.27	$87.13	$88.00	$88.88	$89.77
Usage Charges Inside City										
0 to 3,000 gallons	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
3,001 gallons or more	$3.29	$8.23	$8.31	$8.39	$8.47	$8.56	$8.64	$8.73	$8.82	$8.91
Water 08										
Base Charges Inside City										
5/8-inch	$188.75	$471.88	$476.59	$481.36	$486.17	$491.04	$495.95	$500.90	$505.91	$510.97
Usage Charges Inside City										
0 to 10,000 gallons	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
10,001 gallons or more	$3.29	$8.23	$8.31	$8.39	$8.47	$8.56	$8.64	$8.73	$8.82	$8.91
Water 64										
Base Charges Inside City										
5/8-inch	$1,502.53	$3,756.33	$3,793.89	$3,831.83	$3,870.15	$3,908.85	$3,947.94	$3,987.41	$4,027.29	$4,067.56
Usage Charges Inside City										
0 to 10,000 gallons	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
10,001 gallons or more	$3.29	$8.23	$8.31	$8.39	$8.47	$8.56	$8.64	$8.73	$8.82	$8.91
Water 80										
Base Charges Inside City										
5/8-inch	$1,877.05	$4,692.63	$4,739.55	$4,786.95	$4,834.82	$4,883.16	$4,932.00	$4,981.32	$5,031.13	$5,081.44
Usage Charges Inside City										
0 to 10,000 gallons	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
10,001 gallons or more	$3.29	$8.23	$8.31	$8.39	$8.47	$8.56	$8.64	$8.73	$8.82	$8.91

Eatonville										
Eatonville 24										
Fiscal Year: 2024										
Typical Monthly Bill, Residential Inside City, 5,000 Gallons										
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Drinking Water										
Base Charge	$8.75	$25.73	$25.98	$26.24	$26.50	$26.77	$27.04	$27.31	$27.58	$27.86
Usage Charge, 5,000 Gallons	$6.80	$19.99	$20.19	$20.39	$20.60	$20.80	$21.01	$21.22	$21.43	$21.65
Subtotal	$15.55	$45.72	$46.17	$46.64	$47.10	$47.57	$48.05	$48.53	$49.01	$49.50
Wastewater										
Base Charge	$17.61	$44.03	$44.47	$44.91	$45.36	$45.81	$46.27	$46.73	$47.20	$47.67
Usage Charge, 5,000 Gallons	$8.76	$21.90	$22.12	$22.34	$22.56	$22.79	$23.02	$23.25	$23.48	$23.71
Subtotal	$26.37	$65.93	$66.58	$67.25	$67.92	$68.60	$69.29	$69.98	$70.68	$71.39
Combined Bill	$41.92	$111.64	$112.76	$113.89	$115.02	$116.18	$117.34	$118.51	$119.70	$120.89