CONFLUENCE RIVERS
Utility Operating Company
A CSWR Managed Utility

# 2026 Asset Management & Capital Improvement Plan

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# INTRODUCTION

This report was prepared in compliance with the Confluence Rivers Utility Operating Company, Inc. ("Confluence Rivers" or the "Company") commitment in Missouri Public Service Commission ("MPSC") Docket Nos. WR-2023-0006 and SR-2023-0007. In the Unanimous Partial Stipulation and Agreement, filed August 29, 2023, Confluence Rivers made the following commitment:

> Capital Improvement Plan. Confluence shall develop a 5-year Capital Improvement Plan ("CIP") in Excel format that is filed in EFIS by January 30 of each year. The 5-year CIP will provide budgetary (forecasted) costs for planned capital improvements on a yearly basis for years 1 through 5 for systems owned by Confluence as of September 30 of the previous year. For each water system, each yearly plan will be divided between plant and transmission systems. For each sewer system, each yearly plan will be divided between treatment plant and collection system. The CIP is a working document that is reviewed and updated not less than annually to reflect the addition of systems, changing customer needs, priorities, and associated funding opportunities to ensure that the infrastructure exists to provide safe and reliable water and sewer service. While not binding on Confluence, the CIP will also be generally used as a timeline for design, procurement, and construction. The CIP will be filed as a confidential document in EFIS within this docket, in Excel format, beginning on March 31, 2024, and updated annually thereafter in EFIS until the conclusion of the next Confluence rate case.

Central States Water Resources, LLC's ("CSWR") mission, and that of its state utility operating companies including Confluence Rivers, is "to bring safe, reliable and environmentally responsible water resources to every community in the U.S." Consistent with this mission, Confluence Rivers has historically responded to requests from economic[1] and environmental[2] regulators to acquire distressed water and wastewater systems. Partially as a result of these state agency requests, the systems owned and operated by Confluence Rivers have increased dramatically since the Company's inception. More important to this document, however, the priority of the operational issues to be addressed by Confluence Rivers must be flexible as the Company considers evolving system needs, customer demands, technology, supply chain issues, and the economic landscape. Therefore, this report is a snapshot in time and contains the Company's capital improvement plan based upon the systems that it owns and operates, and the operational and technical issues that it must address, as of September 30, 2025.

[1] Some of the regulated systems acquired at the request of the MPSC Staff include: Missouri Utilities, Lake Virginia, Village Ridge, Mill Creek, Osage Utilities, Smithview, Willows, and Fawn Lake.

[2] For instance, some of the systems acquired at the request of the Missouri Department of Natural Resources include: Hillcrest Utilities, Twin Oaks, Rainbow Acres, Majestic Lakes, Freeman Hills, DeGuire, Terre du Lac, Stone Ridge, and Oasis Mobile Home Park.

# WORK COMPLETED SINCE LAST FILING

In 2025, Confluence Rivers completed a series of impactful capital projects to improve service reliability, enhance operational efficiency, and maintain sustainable water and wastewater systems for our communities. These upgrades address critical needs in infrastructure, ensuring we continue to provide high-quality and dependable service to our customers.

## Spring Branch Water

Two ground storage tanks were installed to increase system capacity and resilience, ensuring the community has access to a stable and reliable water supply now and in the future. Portions of undersized mains were also replaced.

## Deguire

An MBBR (Moving Bed Biofilm Reactor) was installed at the facility to enhance treatment and achieve compliance with discharge limitations. A clarifier and UV disinfection unit were also installed.

## Hillcrest

A sludge reduction project was completed to reduce solids levels in the lagoon and increase treatment volume. This will enhance retention time to avoid short circuiting and contribute to sustained compliance with discharge limitations.

## Country Life Acres

A sludge reduction project was completed to reduce solids levels in the lagoon and increase treatment volume. This will enhance retention time to avoid short circuiting and contribute to sustained compliance with discharge limitations.

## Lake Virgina

A sludge reduction project was completed to reduce solids levels in the lagoon and increase treatment volume. This will enhance retention time to avoid short circuiting and contribute to sustained compliance with discharge limitations.

Port Perry

A sludge reduction project was completed to reduce solids levels in the lagoon and increase treatment volume. This will enhance retention time to avoid short circuiting and contribute to sustained compliance with discharge limitations.

Missouri Utilities

A sludge reduction project was completed to reduce solids levels in the lagoon and increase treatment volume. This will enhance retention time to avoid short circuiting and contribute to sustained compliance with discharge limitations. A master meter was installed at the well head to improve tracking of water loss and monitoring of system service.

Lake Sherwood

Well #2 at Lake Sherwood was fully rehabilitated, and booster pumps were replaced to help improve the stability and reliability of water supply for customers. A master meter was also installed at the well head to improve tracking of water loss and monitoring of system service.

Branson Cedars

A master meter was installed at the well head to improve tracking of water loss and monitoring of system service.

Cedar Glen

A master meter was installed at the well head to improve tracking of water loss and monitoring of system service.

Cedar Green

A master meter was installed at the well head to improve tracking of water loss and monitoring of system service.

Terre Du Lac

Phase 1 of the projected titled “Installation of UV disinfection, Aeration Overhaul, Enzyme Sludge Removal” completed with Phase 2 to be completed in 2027

# WORK IN PROGRESS SINCE LAST FILING

Confluence Rivers is in the process of completing various projects to improve service reliability, enhance operational efficiency, and maintain sustainable water and wastewater systems for our communities. These upgrades address critical needs in infrastructure, ensuring we continue to provide high-quality and dependable service to our customers.

## Country Hill Estates

A UV disinfection unit is being added to enhance treatment and ensure sustained compliance with effluent limitations.

## Fox Run

This facility is under construction with an MBBR unit being installed to enhance treatment and achieve compliance with discharge limitations. The sand filter is also being rehabilitated to ensure adequate capacity and retention time is available.

## Park Estates

This facility is under construction with an MBBR unit being installed to enhance treatment and achieve compliance with discharge limitations. A UV disinfection unit is also in the process of being installed.

## Wilmar Estates

This facility is under construction with an MBBR unit being installed to enhance treatment and achieve compliance with discharge limitations. A UV disinfection unit is also in the process of being installed.

## Clemstone

This facility is under construction with an MBBR unit being installed to enhance treatment and achieve compliance with discharge limitations.

## Private Gardens

A consolidation project is in progress at Private Gardens that includes a lift station and main extension to send flows to Prairie Fields. The existing facility will be taken offline.

Missing Well

A new modular MABR (membrane Aerated Biofilm Reactor) is being installed to provide treatment at the lagoon. Upon acquisition the facility was an unpermitted lagoon.

Eagle Woods

This facility is under construction with an MBBR unit being installed to enhance treatment and achieve compliance with discharge limitations. A new chlorine contact chambers also being installed.

**Projects Completed**

| | |
|---|---|
| Terre Du Lac | New Building for Well #3, New Master Meters at Well Heads |
| Missouri Utilities | Install New Master Meter at Well Head |
| Lake Virginia | Reinforce Lagoon Berm, Replace Manhole before lagoon outfall, Tree Cleanup |
| Missouri Utilities | Reroute Water main around new storage units (acquire necessary easements), Install meter pits, setters, and meters at non-metered customers |
| Cedar Glen Condominiums | Install New Master Meter at Well Head |
| Cedar Green | Replace Master Meter and Pressure Transducer, Ground Storage Tank Rehab |
| Lake Sherwood Subdivision | Install New Master Meter at Well Heads and Well #2 rehabilitation |
| Spring Branch | Replacement of undersized mains with 4" mains |
| Hillcrest | Sludge Reduction Project |
| Country Life Acres Subdivision WWTF | Sludge Reduction Project |
| Lake Virginia | Sludge Reduction Project |
| Port Perry | Sludge Reduction Project |
| Missouri Utilities | Sludge Reduction Project |
| Deguire | Reinforce Lagoon Berm, Installation of MBBR, Clarifier, UV Disinfection |
| Spring Branch | Installation of New Well, Ground Storage Tank and Booster Pumps, Install Temporary 5k gal poly (to help with demand until well is done), Master Meter |

**Incomplete 2025 Plans that have been moved**

| | |
|---|---|
| Eagle Woods / Rte. KK | Install New Master Meter at Well Head |
| Chelsea Rose | Install New Master Meter at Well Head, Security Fencing |
| Gladlo | Install New Master Meter at Well Head |
| Smithview | Install New Master Meter at Well Head |
| The Willows | Install New Master Meter at Well Head |
| Cimarron Bay | Install Security Fencing, Remove Old Recirculating Sand Filter |
| Terre Du Lac - North Lagoon | Installation of UV disinfection, Aeration Overhaul, Enzyme Sludge Removal |
| Cimarron Bay | Replace Well House Building, New Master Meter at Well Head |
| Terre Du Lac - South Lagoon | Aeration Overhaul, Disinfection Install, Sludge Removal |
| Cedar Green | Conversion of Tablet Disinfection to Liquid |
| Sweet Pea/Hwy KK | Install master meters at 5 - 7 locations in order to meter usage purchased from Margaritaville, Install meters (394) at active connections |
| Eagle Woods / Rte. KK | Interconnect to Sweet Pea PWS drinking water system |
| Fawn Lake | Install New Master Meter at Well Head, Rehab Well House, Replace HPT |
| Park Estates | Installation of MBBR and UV disinfection unit at existing recirculating sand filter plant |
| Eugene | Install New Master Meter at Well Heads |
| Evergreen | Install New Master Meter at Well Head |

These strategic improvements demonstrate Confluence Rivers' commitment to maintaining and upgrading critical infrastructure, ensuring safe, reliable, and high-quality service for the communities we serve.

# CONFLUENCE RIVERS SYSTEMS

The following table provides details for the Confluence Rivers water and wastewater systems.

| Facility Name | Type | County | Plant Type Detail |
|---|---|---|---|
| Auburn Lakes WWTF | wastewater | Lincoln | Wastewater - Extended Aeration |
| Berkshire Glenn | wastewater | Clay | Wastewater - Recirculating Sand Filter |
| Branson Cedars Resort | wastewater | Taney | Wastewater - Recirculating Sand Filter |
| Brussels Valley Estates WWTF | wastewater | Lincoln | Wastewater - Extended Aeration |
| Calvey Brook | wastewater | Franklin | Wastewater - Recirculating Media Filter |
| Castlereagh | wastewater | St. Louis | Wastewater - Extended Aeration |
| Cedar Glen | wastewater | Camden | Wastewater - Recirculating Sand Filter |
| Cedar Green WWTF | wastewater | Camden | Wastewater - Extended Aeration |
| Chelsea Rose | wastewater | Camden | Wastewater - Extended Aeration |
| Cimarron Bay | wastewater | Camden | Wastewater - Recirculating Sand Filter |
| Clemstone WWTF | wastewater | Platte | Wastewater - Extended Aeration |
| Country Hill Estates | wastewater | Clinton | Wastewater - Recirculating Sand Filter |
| Country Life Acres Subdivision WWTF | wastewater | Jefferson | Wastewater - Facultative Lagoon |
| Countryside Meadows | wastewater | Ray | Wastewater - Recirculating Sand Filter |
| Countryside View Subdivision | wastewater | Nodaway | Wastewater - Recirculating Sand Filter |
| Dawn Valley | wastewater | Andrew | Wastewater - Recirculating Sand Filter |
| Deer Run Estates | wastewater | Madison | Wastewater - Aerated Lagoon |
| Deguire Subdivision | wastewater | Madison | Wastewater - Facultative Lagoon |
| Eagle Woods / Rte. KK | wastewater | Camden | Wastewater - Recirculating Sand Filter |
| Fox Run | wastewater | Clay | Wastewater - Recirculating Sand Filter |
| Freeman Hills | wastewater | Audrain | Wastewater - Facultative Lagoon |
| Gladlo WWTF | wastewater | Phelps | Wastewater - Facultative Lagoon (w/ MBBR) |
| Glen Meadows WWTP | wastewater | Lincoln | Wastewater - Extended Aeration |
| Highland Estates Subdivision | wastewater | Nodaway | Wastewater - Recirculating Sand Filter |

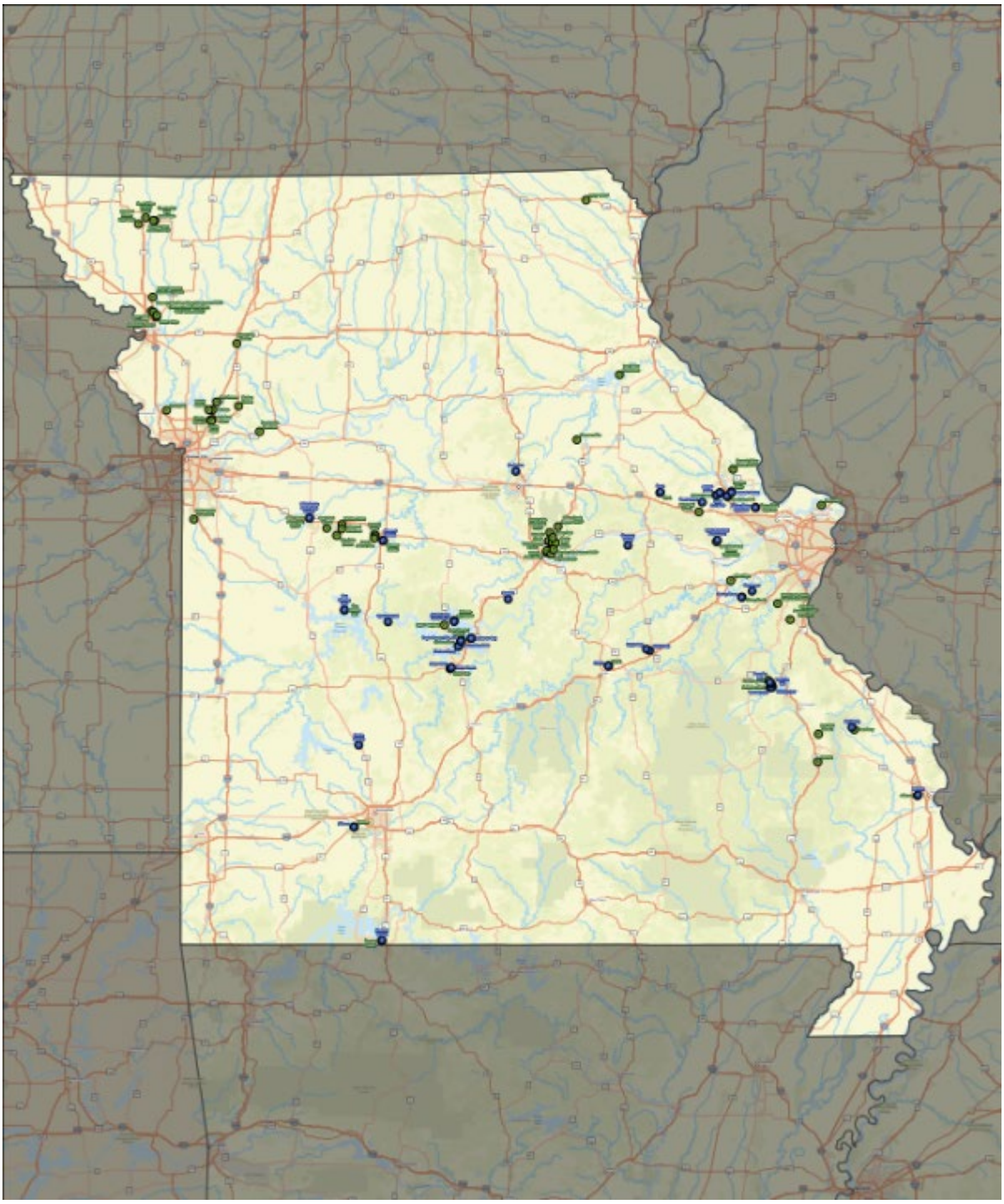
| | | | |
|---|---|---|---|
| Hillcrest | wastewater | Cape Girardeau | Wastewater - Aerated Lagoon (w/ MBBR) |
| Hunter's Ridge | wastewater | Pettis | Wastewater - Extended Aeration |
| Indian Ridge | wastewater | Andrew | Wastewater - Recirculating Sand Filter |
| Johnson Bay WWTP | wastewater | Morgan | Wastewater - Recirculating Sand Filter |
| Lake Sherwood Estates Subdivision | wastewater | Warren | Wastewater - Extended Aeration |
| Lake Virginia | wastewater | Jefferson | Wastewater - Facultative Lagoon (w/ MBBR) |
| Lost Valley Subdivision | wastewater | Ralls | Wastewater - Facultative Lagoon |
| Luray WWTF | wastewater | Clark | Wastewater - Aerated Lagoon |
| M&M Mobile Home Park WWTP | wastewater | Johnson | Wastewater - Extended Aeration |
| Majestic Lakes | wastewater | Lincoln | Wastewater - SBR - Extended Aeration |
| Mapaville Meadows WWTF No. 1 | wastewater | Jefferson | Wastewater - Extended Aeration |
| Millstone Subdivision WWTF | wastewater | Andrew | Wastewater - Recirculating Sand Filter |
| Missing Well WWTF | wastewater | Benton | Wastewater - Facultative Lagoon |
| Missouri Utilities | wastewater | Pettis | Wastewater - Aerated Lagoon (w/ MBBR) |
| North Oak Sewer | wastewater | Warren | Wastewater - Extended Aeration |
| Oasis Mobile Home Park | wastewater | Cass | Wastewater - Extended Aeration |
| Park Estates WWTF | wastewater | Clay | Wastewater - Recirculating Sand Filter |
| Pleasant View Addition WWTF | wastewater | Nodaway | Wastewater - Recirculating Sand Filter |
| Port Perry | wastewater | Perry | Non-Discharging Wastewater - Facultative Lagoon |
| Prairie Field WWTF | wastewater | Clay | Wastewater - Extended Aeration |
| Prairie Heights (Sullivan) | wastewater | Pettis | Wastewater - Recirculating Sand Filter |
| Private Gardens | wastewater | Clay | Wastewater - Recirculating Sand Filter |
| Quail Run Mobile Home | wastewater | Lincoln | Wastewater - Aerated Lagoon |
| Rainbow Acres Subdivision WWTF | wastewater | Johnson | Wastewater - Aerated Lagoon (w/ MBBR) |
| Roy L | wastewater | Montgomery | Wastewater - Facultative Lagoon (w/ MBBR) |
| Scout Ridge Estates WWTF | wastewater | Nodaway | Wastewater - Recirculating Sand Filter |
| Shelton Estates | wastewater | Clay | Wastewater - Facultative Lagoon |

| | | | |
|---|---|---|---|
| South Walnut Hills | wastewater | Pettis | Wastewater - Extended Aeration |
| Spring Meadows Subdivision WWTF | wastewater | Andrew | Wastewater - Purchased Treatment (Lift Station) |
| State Park Village | wastewater | Johnson | Wastewater - Extended Aeration (w/ IFAS) |
| Stone Ridge Meadows Subdivision WWTF | wastewater | St. Charles | Wastewater - Extended Aeration |
| Terre Du Lac - North Lagoon | wastewater | St. Francois | Wastewater - Aerated Lagoon |
| Terre Du Lac - Oxidation Ditch | wastewater | St. Francois | Wastewater - Oxidation Ditch |
| Terre Du Lac - South Lagoon | wastewater | St. Francois | Wastewater - Facultative Lagoon |
| Tuscany Lake/Vista Ridge Subdivision WWTP (Tuscany Lake, Vista Ridge, West Ridge, Bristol) | wastewater | Andrew | Wastewater - Recirculating Sand Filter |
| Twin Oaks Estates | wastewater | Johnson | Wastewater - Recirculating Sand Filter (w/ MBBR) |
| Villa Ridge | wastewater | Franklin | Wastewater - Extended Aeration |
| Village of Whiteman WWTF | wastewater | Johnson | Wastewater - Aerated Lagoon (w/ MBBR) |
| Willows Utility Co. WWTF | wastewater | Greene | Wastewater - Extended Aeration |
| Wilmar Estates WWTF | wastewater | Clay | Wastewater - Recirculating Sand Filter |
| Auburn Lakes | water | Lincoln | Drinking Water - Groundwater |
| Branson Cedars Resort | water | Taney | Drinking Water - Groundwater |
| Calvey Brook | water | Franklin | Drinking Water - Groundwater |
| Cedar Glen Condominiums | water | Camden | Drinking Water - Groundwater |
| Cedar Green | water | Camden | Drinking Water - Groundwater |
| Chelsea Rose | water | Camden | Drinking Water - Groundwater |
| Cimarron Bay | water | Camden | Drinking Water - Groundwater |
| Eagle Woods / Rte. KK | water | Camden | Drinking Water - Groundwater |
| Eugene | water | Cole | Drinking Water - Groundwater |
| Evergreen | water | Franklin | Drinking Water - Groundwater |
| Fawn Lake | water | Lincoln/Warren | Drinking Water - Groundwater |
| Gascony Village | water | Gasconade | Drinking Water - Groundwater |
| Gladlo | water | Phelps | Drinking Water - Groundwater |

| | | | |
|---|---|---|---|
| Glen Meadows | water | Lincoln | Drinking Water - Groundwater |
| Hillcrest | water | Cape Girardeau | Drinking Water - Groundwater |
| Indian Hills | water | Crawford | Drinking Water - Groundwater |
| Johnson Bay Subdivision | water | Morgan | Drinking Water - Groundwater |
| Lake Sherwood Subdivision | water | Warren | Drinking Water - Groundwater |
| M&M Mobile Home Park WTP | water | Johnson | Drinking Water - Groundwater |
| Majestic Lakes | water | Lincoln | Drinking Water - Groundwater |
| Missouri Utilities | water | Pettis | Drinking Water - Groundwater |
| Port Perry | water | Perry | Drinking Water - Groundwater |
| Prairie Heights | water | Polk | Drinking Water - Groundwater |
| Quail Run MHP | water | Lincoln | Drinking Water - Groundwater |
| Roy L | water | Montgomery | Drinking Water - Groundwater |
| Smithview | water | Boone | Drinking Water - Groundwater |
| Spring Branch | water | Benton | Drinking Water - Groundwater |
| Stone Ridge Meadows | water | St. Charles | Drinking Water - Groundwater |
| Sweet Pea/Hwy KK | water | Camden | Drinking Water - Purchased water |
| Terre Du Lac | water | St. Francois | Drinking Water - Groundwater |
| The Missing Well | water | Benton | Drinking Water - Groundwater |
| The Willows | water | Greene | Drinking Water - Groundwater |

# CONFLUENCE RIVERS SYSTEM MAP

The following map shows the location of the systems referenced in the table.



The previous information is valuable for several reasons. ***First***, the table shows, especially for the wastewater systems, the technologically diverse nature of the Confluence Rivers systems. While Confluence Rivers has some non-discharging systems, the other wastewater systems rely on processes involving aerated and facultative lagoons, recirculating sand filters, oxidation ditch, moving bed biofilm reactor, integrated fixed film activated sludge, and sequencing batch reactors. ***Second***, the table shows the size of the service areas with customer counts ranging from 7 customers (Countryside Meadows) to 1,403 customers (Terre du Lac). This is important as technology must necessarily change to meet the size of the service areas. Wastewater solutions that can fit the number of customers and the amount of wastewater flow will not necessarily scale to fit a larger system, and vice versa. Therefore, the extremely small systems will present challenges that are radically different from the challenges faced at larger systems. ***Third***, the map shows the geographically dispersed nature of the Confluence Rivers systems. This presents unique challenges in that engineers / construction contractors used for some systems are not available at other systems. Similarly, supply chain challenges that have been overcome at one set of systems may still exist for other systems.

## GENERAL CAPITAL PROJECT BREAKDOWN

As part of our ongoing commitment to provide safe, reliable, and environmentally responsible water and sewer services, Confluence Rivers has identified several key areas for investment through general capital projects. These projects are essential components of our five-year Capital Improvement Plan, aimed at enhancing the infrastructure's integrity, efficiency, and compliance with regulatory standards.

### Meter Testing and Replacement Project

As part of Docket WR-2023-0006, Confluence Rivers has committed to a meter testing and replacement initiative. Annually, we will test 10% of our water meters to ensure their accuracy and reliability. Meters found to be deficient in accuracy or operational efficiency will be replaced. This systematic approach not only ensures the integrity of our metering system but also reinforces our commitment to fair billing practices and the prudent management of water resources. For purposes of capital planning, Confluence Rivers has assumed the maximum number of meters will need to be replaced due to the age of meters upon acquisition and the general lack of information provided by prior owners.

### Water Mains/Distribution System Replacement

Recognizing the challenges posed by aging infrastructure, Confluence Rivers has allocated resources for the annual replacement of 1% of our water mains and distribution systems, measured

in linear feet. This strategy is designed to address vulnerabilities, reduce water loss, and enhance service reliability. While individual projects are planned for sections most in need of replacement, this line item provides a general budgetary plan for Confluence to address situations as they arise. Confluence River's strategy for prioritization leverages detailed data on main breaks and leaks, enabling us to target areas most in need of urgent attention. While specific systems like Spring Branch have been individually addressed in the report, others including Indian Hills, Terre Du Lac, Smithview, Auburn Lakes, Eagle Woods, and M&M Mobile Home Park will be among the primary beneficiaries of this initiative based on the aforementioned data.

Sewer Mains/Collection System Replacement

Like our water distribution system, Confluence Rivers has identified the need for systematic investment in our sewer mains and collection system. Each year, we plan to replace 1% of our sewer mains and collection infrastructure. This represents a pro-active strategy to prevent system failures, environmental contamination, and service interruptions. While individual projects are planned for sections most in need of replacement, this line item provides a general budgetary plan for Confluence to address situations as they arise.

Manhole Rehabilitation/Replacement

Manholes are a critical component of systems, providing access for maintenance, inspection, and emergency interventions. Given their importance and the wear they endure over time, Confluence Rivers will engage in a comprehensive manhole rehabilitation and replacement program. This project aims to address structural deficiencies, prevent inflow and infiltration, and ensure the safety of both the public and our maintenance crews. Rehabilitation efforts will be prioritized based on condition assessments to maximize impact and resource allocation.

Asset Replacement

In recognition of the evolving nature of our industry and the increasing demands placed upon our services, Confluence Rivers has allocated general capital for System Upgrades, Asset Replacement, and Plant Upgrades. This broad category is intended to address not only the replacement and upgrading of physical assets but also to ensure our capital plans remain agile and capable of meeting future challenges, including but not limited to additional permit limits, failed assets, and increased treatment standards. While the body of this report outlines individual projects and initiatives, this general category acknowledges the necessity for a flexible approach to capital improvement planning. It is designed to allocate resources for unforeseen requirements, technological advancements, regulatory changes, and the need for increased capacity or enhanced treatment processes. This approach allows us to adapt to new standards, optimize our operations for environmental compliance, and ensure the continued provision of high-quality water and sewer services.

# CONCLUSION

Confluence Rivers hopes the above summary highlights a dedication to providing safe and reliable services while also showing a proactive approach to addressing the evolving needs of our systems and communities. Through targeted investments, technological innovation, and strategic planning, we aim not only to sustain but to enhance the quality of our services. Confluence Rivers is not just a utility provider; we are a partner in public health, environmental protection, and community development. The accompanying 5-year Capital Improvement Plan was designed consistent with our mission to bring safe, environmentally responsible water resources to every community in the U.S. for generations to come.