

**The Consolidated Report of Activities
for the quarter ended December 31, 2024**

For

The Interim Stipulated Order as Entered on November 29, 2022

By United States District Judge Henry T. Wingate

In Case Number 3:22-cv-00686-HTW-LGI

The United States v The City of Jackson, Mississippi

And

EPA Grant Number 84060101 SDWA Section 1442 (b)

January 31, 2025

Prepared by Edward “Ted” Henifin, P.E.

The Interim Third-Party Manager

Of the City of Jackson’s Drinking Water System

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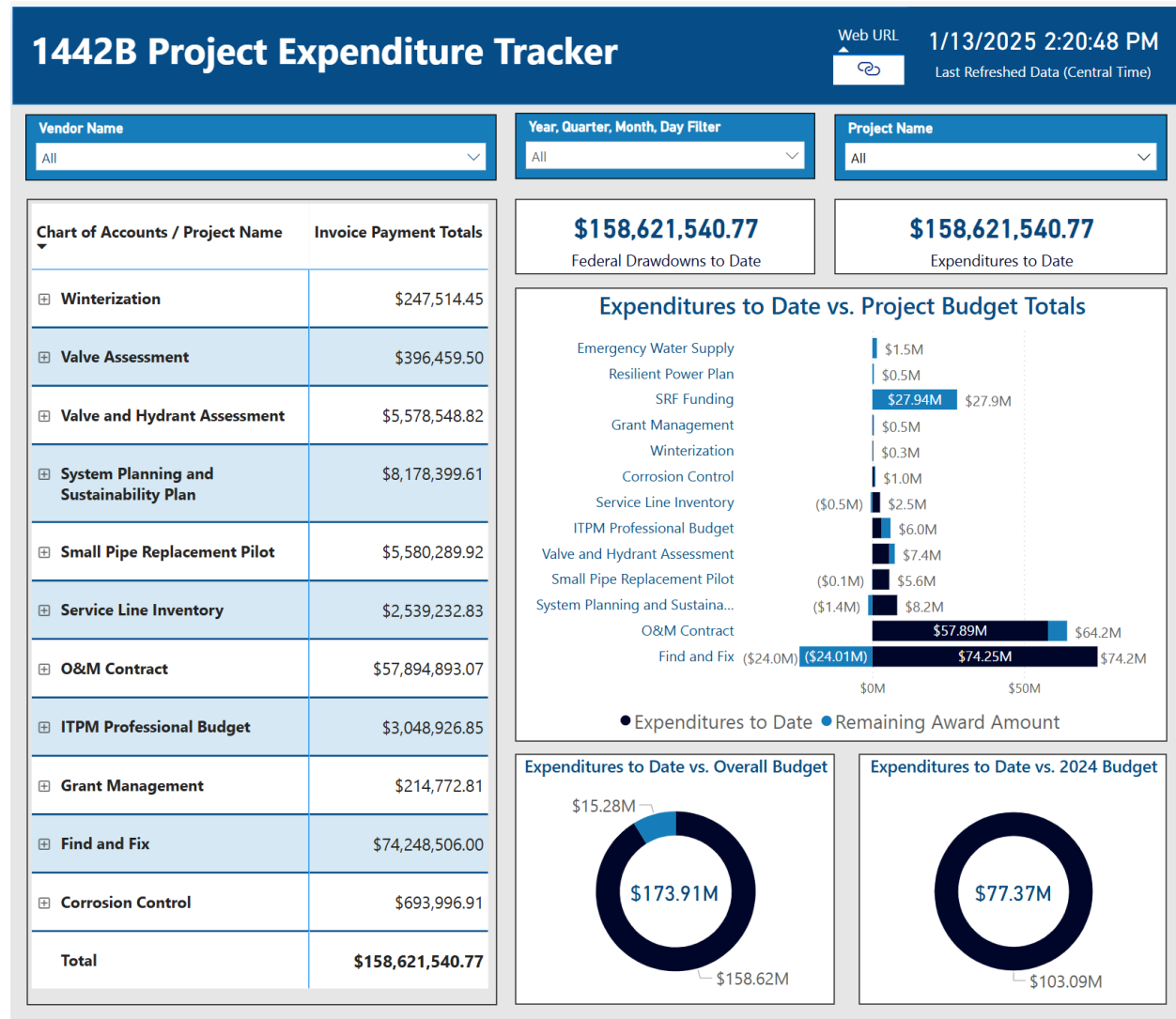
Executive Summary

JXN Water continues to make significant progress in restoring the water system in Jackson. The water system is stable and providing water that meets all Safe Drinking Water Act standards to all customers all the time, except for brief periods of local interruptions during ongoing system repairs! Water production is down a remarkable 28 percent year over year and system pressures have dramatically improved and stabilized, especially in South Jackson.

Priority Project Status

No.	Description	Est Comp	Comments
1	O&M Contract Phase 1	2/2023	COMPLETE
1	O&M Contract Phase 2	7/2024	COMPLETE – Effective Date 10/1/2024 through 9/30/2034
2	Winterization	12/2023	COMPLETE
3	Corrosion Control JHF	12/2023	COMPLETE
3	Corrosion Control OBC	8/2026	Schedule approved by EPA via email dated 12/17/2024.
4	Emergency Water Supply	9/2027	COMPLETE - Available throughout ISO term
5	System Planning and Stabilization a. Distribution System b. System Stabilization and Sustainability Plan	12/2025	Kicked off Master Plan TO. Aligning work with MEMA BRIC grant to allow access to that funding for this PPL.
6	System Stabilization and Sustainability Plan		Combined with PPL 5
7	SCADA	12/2026	Design at 90%. Initiated CMAR work.
8	Chemical Systems	8/2027	Schedule approved by EPA via email dated 12/17/2024.
9	Chlorine System at OBC – temporary improvements	2/2023	COMPLETE
9	Chlorine System at OBC – Replacement	12/2024	Included in design for PP 8
10	Intake Structure Repairs	12/2025	SRF project initiated
11	Treatment Facilities	TBD	Assessment report draft complete 9/2023. Cost loaded schedule to be developed with PPL 5.
12	Sludge Assessment and Removal	8/2026	Assessment completed with remote operated vehicle/camera. Removal to be included Corrosion Control Project.
13	Resilient Power Plan	12/2025	Assessment complete and technical memo reviewed and approved. Design initiated to be accomplished with SRF project. Long lead time on generators may extend completion date.

Grant Financial Dashboard



Minority Participation

DBE/SWAM Spend to Date	\$	41,973,868.95
	\$	-
Total JXN Water Spend to date	\$	343,563,657.05
Jacobs Contract	\$	69,156,536.32
Total JXN Water Spend w/o Jacobs	\$	274,407,120.73
MBE Percentage Total Spend		12.2%
MBE Percentage without Jacobs		15.3%

Precautionary Boil Water Notices

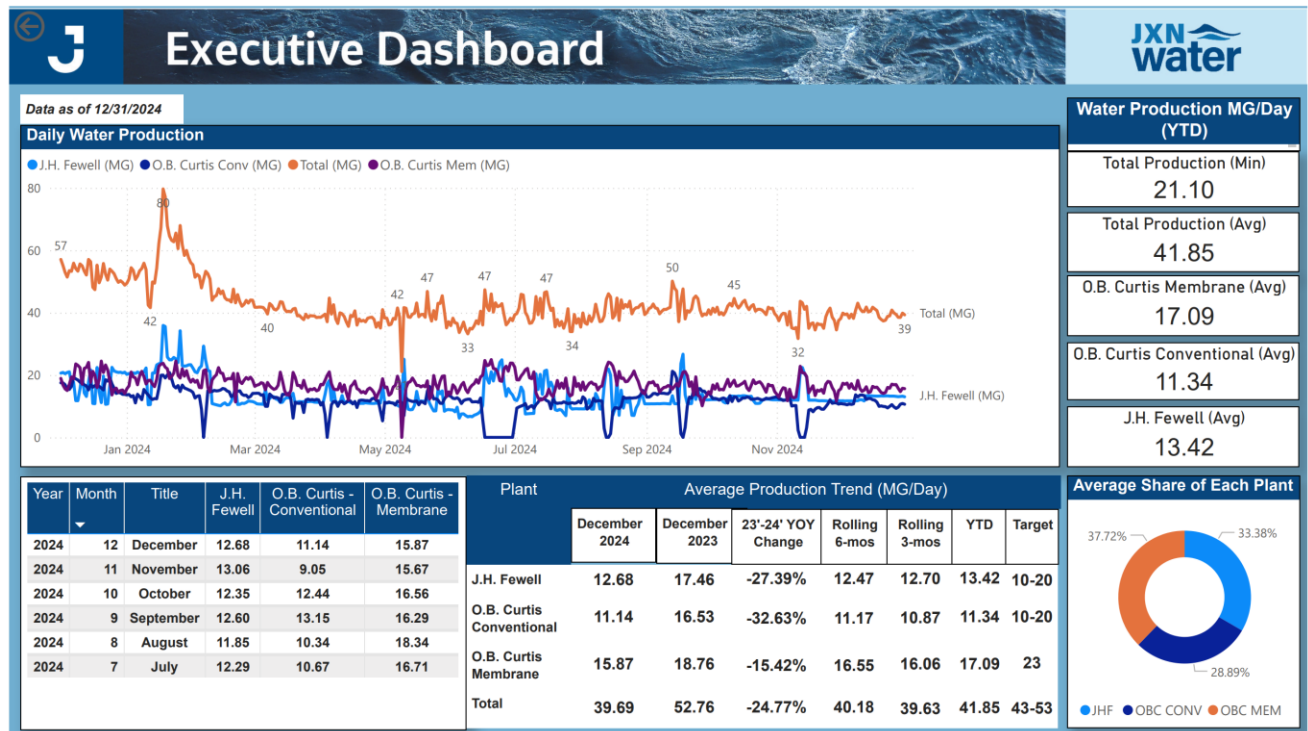
The continued accelerated efforts to find and fix legacy leaks in the system along with the long-overdue replacement of valves and hydrants and the occasional pipe break continue to require issuing many precautionary BWN each month. There were 165 issued during the quarter with an average of 37 connections impacted for 5 days each.

Water Production (Total OB Curtis (OBC) and JH Fewell (JHF))

The dashboard below tracks water production (net pumped into distribution system) for the thirteen months from December 2023 through December 2024. A top priority for JXN Water has been to eliminate leaks throughout the system to reduce demand on the plants and wear on distribution system assets. The daily demand on the plants continues to trend down due to the many repairs accomplished in the system. December 2024 saw a total average daily demand of 39.7 MGD. Compared with December 2023's demand of 52.8 MGD, a year over year reduction of nearly 25 percent. The rolling 6-month average was 40.18 as of the end of the quarter. This trend is very encouraging and will continue to be monitored and reported in future quarterly reports.

Based on metered flow, total demand on the JXN Water system is approximately 18 MGD. Once daily demand drops below 25 MGD, total water supply needs could be met with only the OB Curtis plant in operation. Evaluation of the feasibility of eliminating JHF continues.

2024 QTR4 AVERAGE	10.9	16.0	12.7	39.6
	OBC CONV (MG)	OBC MEM (MG)	JHF CONV (MG)	TOTAL AVG (MG)



Financial Challenges

The Mississippi Department of Health led by the State Health Officer Dr. Daniel Edney, worked tirelessly with US EPA to identify a path forward using Drinking Water State Revolving Loan Fund (SRF) resources provided by Congress to meet JXN Water cashflow challenges during this reporting period. On September 20, 2024, the Local Governments and Rural Water Systems Improvements Board (the “Board”) approved an amended Intended Use Plan for JXN Water. As a result, essential funding needed to maintain operations was received in Q4.

The Board approved a revised Intentional Use Plan (IUP) including four emergency projects as shown below. The approvals of these new projects resulted in over \$27 million of SRF reimbursement to the 1442(b) grant for eligible expenditures paid for with grant proceeds, as well as nearly \$35 million in reimbursement to JXN Water for eligible expenses previously paid for with local revenues from the water and sewer system. The reimbursement to JXN Water provided needed capital to pay outstanding invoices, fully fund 2024 debt obligations, and establish an operations and maintenance reserve fund. With the current approvals, nearly \$360 million of the \$450 million in SRF funding for the Jackson water system has been allocated to projects.

Project	Project Description	Priority Points	Service Area Population	Loan Amount Requested	Cumulative
Category III: Primary Drinking Water Standards Projects					
Jackson, City of	Intake Structure Repair	11099	155,000	\$5,500,000	\$5,500,000
Category IX: Existing Facilities Upgrade (Meeting Primary Standards)					
Jackson, City of	Emergency Small Diameter Pipe Replacement	10708	155,000	\$5,182,149	\$10,682,149
Jackson, City of	Emergency Distribution System Optimization	2804	155,000	\$19,793,757	\$30,475,906
Jackson, City of	Chemical Feed Repair	2755	155,000	\$24,000,000	\$54,475,906
Jackson, City of	Small Diameter Pipe Replacement	1749	155,000	\$47,602,400	\$102,078,306
Jackson, City of	Treatment Process Renewals	735	155,000	\$90,000,000	\$192,078,306
Jackson, City of	Distribution System Optimization	578	155,000	\$96,057,100	\$288,135,406
Category XIII: Other					
Jackson, City of	Emergency Lead Service Line Inventory	18696	155,000	\$2,968,198	\$291,103,604
Jackson, City Of	Debt Retirement - SRF Loan 2	3811	155,000	\$14,562,349	\$305,665,953
Jackson, City of	Debt Retirement - SRF Loan 3	3014	155,000	\$18,410,826	\$324,076,779
Jackson, City of	COJ Obligation Bond S2013 – DW Infrastructure Materials	1588	155,000	\$34,940,271	\$359,017,050

A. Purpose

The Interim Stipulated Order, Section 16.a., requires quarterly reporting to include the following components:

- i. A description of the projects and activities conducted during the reporting period to comply with the requirements of this Stipulated Order.
- ii. A summary of any delays encountered or anticipated that may affect the ITPM's performance or implementation of this Stipulated Order, including the Priority Project List, and any actions taken to address such delays.
- iii. Any modification to the Priority Project List or Implementation Schedule consistent with Paragraphs 15 (Priority Project List) and 18 (EPA Review).
- iv. An accounting of the expenditures from, additions to, and remaining balance of the ITPM Professional Budget.
- v. A projection of work to be performed pursuant to this Stipulated Order during the next or succeeding Quarter; and
- vi. In each Status Report filed in the month of January, except in the Status Report due January 31, 2023, an audited financial statement of the ITPM Professional Account, O&M Account, and Capital Improvements Account for the City's previous fiscal year. Any information revealing bank account numbers or constituting personally identifiable information shall be redacted.

The EPA Grant that funded the Interim Third-Party Manager also has quarterly reporting requirements that include the following:

- A comparison of actual accomplishments to the outputs/outcomes (these are deliverables, reports, milestones) established in the assistance agreement work plan for the period.
- The reasons why established outputs/outcomes were not met; and

- Additional pertinent information, including, when appropriate, analysis and explanation of cost overruns or high-unit costs.

As these reports have similar requirements, this consolidated report is intended to meet the purposes and requirements of both the ISO and the EPA Safe Drinking Water Act (SDWA) Section 1442 (b) grant.

B. Introduction

On December 20, 2022, the US EPA awarded grant number 84054501 under the authority of the Safe Drinking Water Act, Section 1442 (b). The stated purpose of the grant is as follows:

This agreement will provide support to the City of Jackson, MS, which is currently experiencing a drinking water emergency. The City entered into an Interim Stipulated Order with the Environmental Protection Agency and Department of Justice approved in Federal District Court on November 29, 2022, and this funding will be used to fulfill commitments established in the Order. The activities include establishing an Interim Third-Party Manager who will then hire support staff, enter into and maintain contracts to accomplish tasks required in the Order and deemed necessary to address violations of the Safe Drinking Water Act. Anticipated deliverables include hiring staff, entering into and maintaining contracts allowing for proper operations and maintenance of the system. Expected outcomes include supporting the System in complying with the Safe Drinking Water Act, fulfilling commitments established through the Order, and ensuring residents of Jackson have clean and safe drinking water. Intended beneficiaries include approximately 160,000 persons served by the City of Jackson Public Water System. No subawards are included in this assistance agreement. City of Jackson Public Water System Emergency Drinking Water Grant.

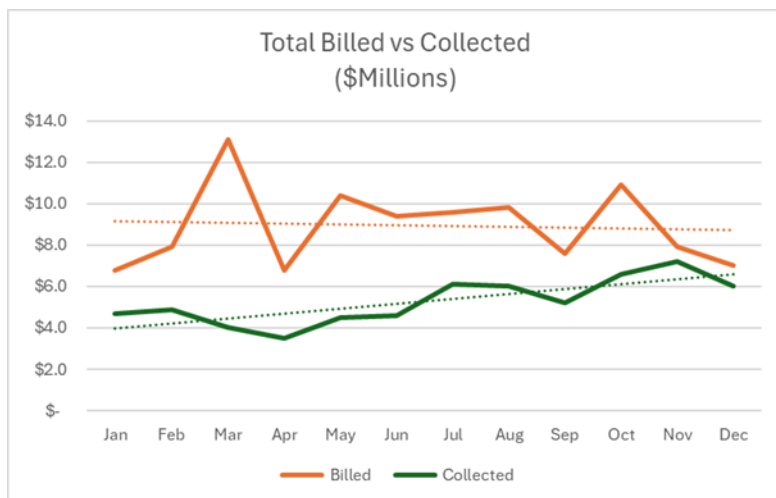
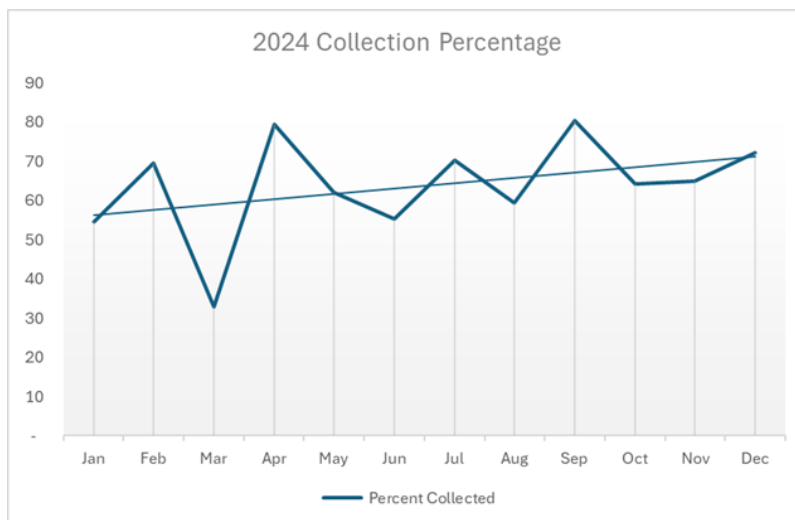
This report is required by the grant agreement and covers eligible activities that began January 1, 2024, through March 31, 2024. These reports are aligned with the reporting requirements of the Interim Stipulated Order that appointed the Interim Third-Party Manager funded by and managing this grant. This report is submitted for the Court's review and approval.

C. PROJECTS AND ACTIVITIES CONDUCTED DURING THE REPORTING PERIOD

The ISO includes thirteen priority projects for the ITPM to accomplish under the terms of the ISO. The activities conducted related to the priority projects (PP) are included in Section M of this report. Beyond the priority project work, many activities have been conducted to comply with the requirements of the ISO during this reporting period. These include:

Billing and Collections: JXN Water continues to work to resolve legacy metering and billing issues that have hampered collection of water-related revenues.

Revenues continue to increase through the significant efforts of the JXN Water billing staff. Severance (the process to disconnect customers for non-payment) started in March 2024. The percentage of billed revenue collected moved from approximately 56 percent in January 2024 to nearly 70 percent at the end of the year. The upward trend is clearly demonstrated in the chart on the right.



Total water revenue collected monthly has also increased throughout 2024 averaging more than \$6.2 million per month. Unfortunately, JXN Water's costs average more than \$9 million per month and collections (percentage and total revenue) need to increase significantly before JXN Water can attain financial self-sufficiency.

JXN Water has identified more than 14,000 accounts that are receiving services, have new meters, get

regular bills based on metered consumption, yet do not pay their bills. These accounts will be the focus of increased collection efforts in 2025. Cash flow challenges will continue until all water users are paying their bills on time each month.

Obtaining Funding: The final amendment to the SDWA 1442(b) Grant (84060101) was applied for on May 4, 2024, and finally awarded on August 19, 2024. This fifth amendment awards the balance of the Congressionally appropriated \$150 million under the SDWA 1442(b) authorization less US EPA's administrative costs. The total award was \$145,961,591.

In November 2024, MSDH approved a reimbursement to Grant 84060101 for SRF eligible expenses previously paid with grant dollars. The result was a transfer of SRF funding totaling \$27,944,104.07 to the grant to offset previous draws. The total award remains unchanged but for tracking purposes the grant now will track to a total expenditure of \$145,961,591 plus \$27,944,104.07 or \$173,905,695.07. As of December 31, 2025, expenditures total \$158,621,540.77, leaving a balance of \$15,284,154.30. The remaining funds will be used to pay the operating and maintenance contract invoices for November and December 2024, and January through March 2025.

The grant included the following projects:

Priority Project No.	Description	Total (Millions)	Spent 2023	Estimated2024	Estimated2025
5.a.ii	Valve and Hydrant Assessment	\$7.40	\$1.90	\$5.50	
5.a.vii	Service Line Inventory	\$1.00	\$0.20	\$0.80	
5.a.iv	Distribution System Leaks – Find and Fix	\$37.40	\$23.20	\$14.20	
1	Phase 2 O&M Contract - Open Book Actual Cost	\$26.70	\$26.70		
	Extension of Phase 2	\$15.00		\$15.00	
1	Phase 3 O&M Contract - Long Term Fixed Price	\$27.00		\$15.00	\$12.00
2	Winterization	\$0.30	\$0.23	\$0.07	
3	Corrosion Control	\$7.00	\$0.30	\$6.70	
4	Emergency Water Supply	\$2.90	\$1.40	\$1.00	\$0.50
5 and 6	System Planning and Stabilization	\$8.80	\$2.80	\$4.00	\$2.00
13	Resilient Power Plan	\$0.50		\$0.50	
	Small Pipe Replacement Pilot	\$5.50		\$5.50	
	ITPM Professional Budget	\$6.00		\$3.00	\$3.00
	Grant Management	\$0.46		\$0.27	\$0.19
	TOTAL 1442(b)	\$145.96	\$56.73	\$71.57	\$17.86

SRF Funding: The balance of the funding from the Consolidated Appropriation Act 2023 is provided through the existing State Revolving Loan Fund (SRF) program. Working closely with the Mississippi Department of Health, and Region 4 of the US EPA, a revised Intended Use Plan was submitted by the ITPM during this reporting period. The Mississippi Local Governments and Rural Water Systems Improvements Board approved the amended Intended Use Plan (IUP) for the DISASTER RELIEF SUPPLEMENTAL APPROPRIATION on September 30, 2024. The approved IUP commits over \$359 million (nearly 80 percent of the \$450 million appropriated) with projects investing in treatment plant processes, distribution system improvements, and replacement of small diameter piping.

SRF DISASTER RELIEF SUPPLEMENTARY APPROPRIATION

VIII. PRIORITY LIST		Supplemental Appropriation Priority List			
Project	Project Description	Priority Points	Service Area Population	Loan Amount Requested	Cumulative
Category III: Primary Drinking Water Standards Projects					
Jackson, City of	Intake Structure Repair	11099	155,000	\$5,500,000	\$5,500,000
Category IX: Existing Facilities Upgrade (Meeting Primary Standards)					
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Jackson, City of	COJ Obligation Bond S2013 – DW Infrastructure Materials	1588	155,000	\$34,940,271	\$359,017,050
*Loan 3's balance drawn is \$18,410,826. Loan 3 is an active project with pending disbursement/draws and principal forgiveness.					
Note: All projects appearing on the IUP are associated with this public drinking water system. Projects listed above are based in good faith from representation provided by the borrower. The program is a reimbursement program. Request for reimbursement will be reviewed to ensure conformity with eligibility requirements and compliance with applicable state and federal laws and regulations before funds are reimbursed.					

The ITPM responded to a solicitation by the Mississippi Local Governments and Rural Water Systems Improvements Board for two new programs funded as part of the Bi-partisan Infrastructure Law (BIL) on June 19, 2023, requesting funding for Lead Service Line Replacements (LSLR) and for addressing Emerging Contaminants. Both were included in the approved IUPs, but at a fraction of the total project cost. The LSLR project is estimated at \$88 million (18,000 * \$4,888/EA) across a 10-year construction period. Based on preliminary inventory data, Jackson has approximately 18,000 galvanized service lines. While there are no records demonstrating that these lines were ever downstream of any lead piping, these all require replacement under the Lead and Copper Rule Improvements (LCRI).

The Emerging Contaminant project, scoped to add Granular Activated Carbon (GAC) filtration to the OB Curtis Water Treatment Plant, is estimated at \$119 million. Sampling and testing for PFAS in source and finished water revealed no issues with PFAS, all samples tested well either non-detected or well below

EPA's PFAS MCL levels. The GAC project will be executed for future emerging contaminants and seasonal taste and odor issues. This project will not be initiated until existing treatment and distribution needs are addressed.

SRF FFY-2024 BIL EC PRIORITY LIST

Project	Project Description	Zip Code	Priority Points	Service Area Population	Eligible PF Amount	Loan Amount Request	Statewide Cum. \$
Category IX: Existing Facilities Upgrade (Meeting Primary Standards)							
Jackson, City of	Study, Design & Construction, Emerging Contaminants	39216	11099	155000	\$5,000,000	\$5,000,000	\$5,000,000

SRF FFY-2024 BIL LSLR PRIORITY LIST

Project	Project Description	Zip Code	Priority Points	Service Area Population	Eligible PF Amount	Loan Amount Request	Statewide Cum. \$
Category XIII: Other							
Jackson, City of	Replacement of Lead Service Lines	39216	110	150000	\$500,000	\$5,000,000	\$26,427,135
Mount Olive, Town of	Surveying and Inventorying Lead Service Lines	39119	102	982	\$450,000	\$1,000,000	\$27,427,135
Fayette, City of	Surveying & Inventory of Lead Service Lines	39069	0	0	\$56,250	\$125,000	\$27,552,135
Collins, City of	Surveying and Inventorying Lead Service Lines	39428	0	4000	\$175,000	\$500,000	\$28,052,135

Building Resilient Infrastructure and Communities (BRIC): The Mississippi Emergency Management Agency (MEMA) received a \$2 million BRIC grant to develop long-term strategies for water supply and treatment for Jackson. The ITPM is partnering with MEMA to incorporate the scope of the BRIC grant with the master planning work underway with PPL 5.

Disputed Customer Debt: The ITPM inherited nearly \$56 million in billing arrearages. Many accounts had arrearages dating back years due to the many metering and billing challenges over the past decade in Jackson. Almost all account arrearages could be attributed, in whole or in part, to those challenges or to billing for inadequate or non-existent services. Hundreds of these bills had been disputed prior to the appointment of the ITPM, and the disputes remained unresolved. Lacking adequate information to defend prior billing or resolve disputed bills, the ITPM instituted a program to compromise debt that pre-dated the ITPM appointment for all disputed accounts. To accomplish this, the ITPM retained Promise Pay to gather attestations from customers that had aging arrearages (prior to December 1, 2022) and that had disputed these charges.

The program was shut down on August 31, 2023. The number of people accessing the program had dropped to less than one per week and the cost to keep the program open was significant resulting in JXN Water's decision to close that program. A total of 8,251 accounts attested their dispute through Promise Pay and \$19,513,774 in disputed charges were compromised (removed from individual accounts).

The disputed debt program demonstrated the overwhelming majority of the aging arrearages were the result of disputed bills. As a result, all arrearages prior to November 29, 2022, have been moved in the billing system to a separate Service Agreement (SA) account and are no longer visible on customer bills.

At some future point JXN Water may choose to pursue these arrearages but at the current time, staff is focused on getting all customers using water into the billing system and current on their bills. It is estimated JXN Water would spend more on collection efforts for the aged arrearages (prior to November 29, 2022) than would be recovered.

Low Income Household Water Assistance Program (LIHWAP): For debt that accrued post the appointment of the ITPM, the ITPM retained Promise Pay to identify qualified applicants and apply for the LIHWAP grant funding on behalf of JXN Water. The program expired on September 30, 2023, with no extension or replacement program currently moving in Congress. As of the end of the program, 413 accounts received Federal LIHWAP grant assistance through the state for a total amount of \$756,263.76.

Community Engagement: The ITPM participated in numerous meetings to discuss the ISO and the ITPM role in stabilizing and restoring the Jackson water system. The ITPM made presentations the following groups during the reporting period:

October 10	Status Conference
October 11	Panel at the Water Resources Research Institute
October 21	The Water Tower – Workforce Grant Kickoff
October 29	Studio 3 WLBT
November 6	Water Academy Module 1
November 9	Quarterly Meeting
November 18	Water Academy/Tour for State Legislators
December 11	University of Wisconsin – SDWA @ 50 Symposium

Minority Business Enterprise Engagement

JXN Water has demonstrated substantial progress in its Small Minority Business Initiative through continued engagements with contractors, engineers, and local disadvantaged businesses during the fourth quarter of 2024. JXN Water facilitated several meetings designed to chart a meaningful path forward for the inclusion of local disadvantaged businesses. These discussions focused on evaluating current contract performance and identifying promising opportunities within the ongoing water and sewer system improvement projects.

A significant achievement in Q4 2024 was the successful delivery of OSHA 10 safety training, to over 30 participants from the local small minority business community. Many of which are actively engaged in JXN Water and Sewer projects. This accomplishment reinforces our commitment to both local business development and workplace safety compliance, ensuring JXN Water’s contractors maintain the highest safety standards while working on our infrastructure improvements.

In partnership with industry experts and the Minority Contractors Association of Mississippi, several local minority businesses and their staff are currently participating in an intensive 11-week Construction Management training program scheduled to conclude in late March 2025. The comprehensive curriculum encompasses essential areas including Business Management, Insurance and Bonding

requirements, Project Delivery methodologies, Estimating and Bidding strategies, and Scheduling and Field Operations.

Looking ahead in 2025, JXN Water will implement a customized Mentor Protégé Program, convene industry specific focus groups and expand training to include advanced OSHA safety courses. These initiatives reflect JXN Water's ongoing commitment to developing a qualified pool of local disadvantaged businesses, ensuring sustainable growth and community development beyond the interim Stipulated Order.

MBE SPEND

Firm	Total Spend Thru December 31, 2024	
Advanced Environmental Consulting	\$ 19,371.43	
Anding Construction Services	\$ 8,309,620.01	
AquaLaw	\$ 297,677.34	
Art Mechanics	\$ 70,543.33	
Bless Hands Cleaning	\$ 75,975.00	
BOSS Utility Solutions	\$ 8,121,451.97	
Chambers and Gaylor	\$ 55,965.00	
Fahrenheit Creative Group	\$ 271,607.56	
GCW Paving	\$ 12,108,659.23	
Hardaway Realty	\$ 39,000.00	
Hydroflow Solutions	\$ 2,009,187.50	
IMS	\$ 1,458,846.57	
Iron Horse Grill	\$ 1,464.46	
The Jones Group	\$ 207,933.43	
Kelly Factory	\$ 1,800.00	
Love Trucking	\$ 719,430.00	
Matlock Concrete Contractors	\$ 376,500.00	
Phoenix Security	\$ 760,174.98	
Promise Pay	\$ 1,334,722.24	
ProTel	\$ 1,128,036.08	
Q Solutions	\$ 787,190.69	
R&L Unlimited	\$ 3,222,020.09	
SD Systems	\$ 115,000.00	
Shawn Davis Electric	\$ 9,910.00	
SOL Engineering	\$ 3,692.04	
Southern Infrastructure Solutions	\$ 420,840.00	
Studio54Media	\$ 47,250.00	
DBE/SWAM Spend to Date	\$ 41,973,868.95	
	\$ -	
Total JXN Water Spend to date	\$ 343,563,657.05	
Jacobs Contract	\$ 69,156,536.32	
Total JXN Water Spend w/o Jacobs	\$ 274,407,120.73	
MBE Percentage Total Spend	12.2%	
MBE Percentage without Jacobs	15.3%	

Call Center: ProTel has been in business supporting clients throughout Mississippi for more than 30 years. A contract for 24/7 call center operations was developed and the JXN Water customer service number (601-500-5200) went live on June 5, 2023.

The call center can address many billing questions (majority of calls), dispatches the metering contractor for meter issues, dispatches appropriate resources for leaks, low pressure, discolored water, etc. Call center key performance indicators for the quarter are shown below.

Call Center KPIs for Q4 2024

Total Calls	Average Talk Time	Average Wait Time
28,295	3:41 minutes	1:46 minutes

Mississippi Municipality & County Water Infrastructure Grant Program Act (MCWI): The ITPM worked with the MCWI staff to consolidate previously awarded grants into two grants; one for drinking water projects and one for sewer projects. This will provide the most flexibility for leveraging this funding.

There is one active project in the drinking water agreement, the OB Curtis Filter Improvements. This project was designed and bid prior to the effective date. The ITPM made award after the effective date to the low bidder, Hemphill Construction. The work includes full rehabilitation of conventional filter 5 to place that filter back into service after years of disrepair. This will increase the capacity of the conventional side of OB Curtis by 16 percent. Construction has begun. The contract has been modified to include rehabilitation of the other 5 conventional filters at OBC and other related process improvements. Other details can be found in the priority project status updates at the end of this report.

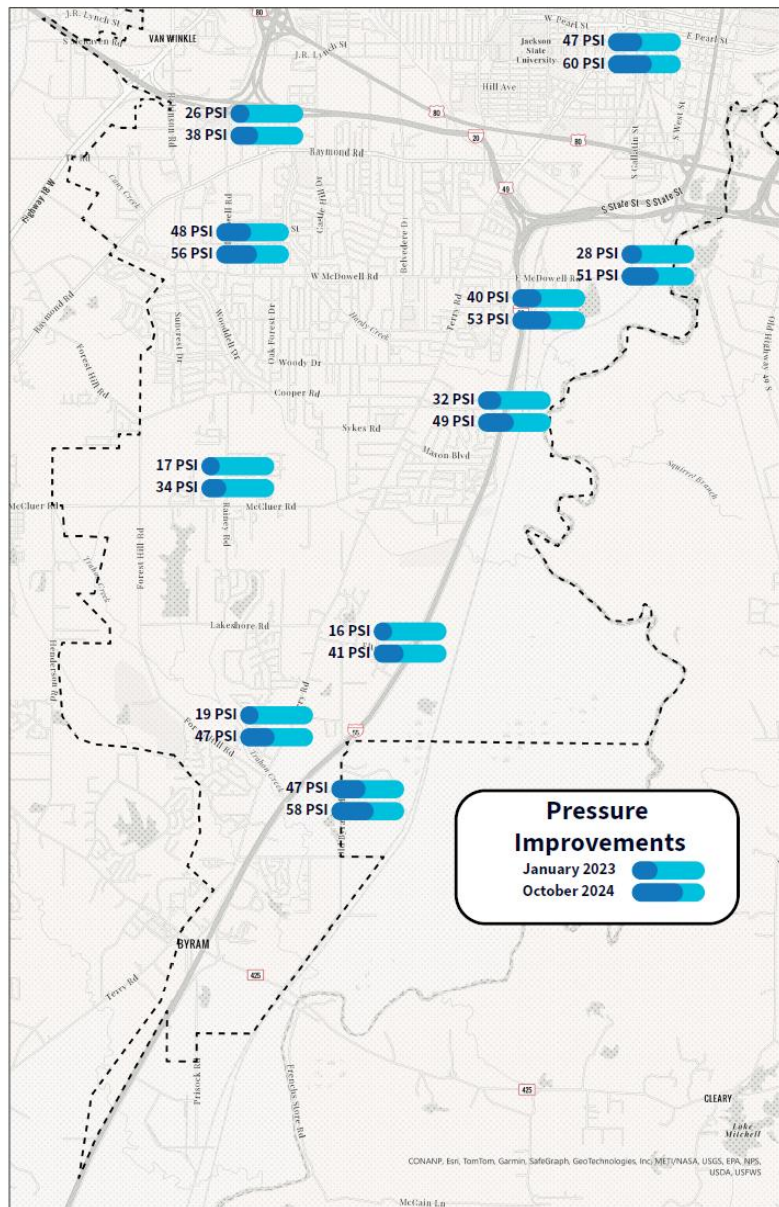
This grant agreement was approved for \$12 million. JXN Water has requested reimbursements totaling \$2,759,634.29 through the end of the reporting period and received \$2,299,540.64 with one reimbursement of \$460,093.65 pending. Work will continue through the end of 2025. All funds must be spent by December 31, 2026.

System Pressure Improvements:

System pressure has been stabilized and normalized throughout the system. Wachs Water continues to work with JXN Water staff to continue to find valves, make repairs, and change positions (typically from fully closed to fully open). This reporting period the following work was accomplished (cumulative numbers included for reference):

- Valves fully exercised: 755 (6134 Cumulative)
- Op nut repairs: 8 (59 cumulative)
- Uncovered: 351 (1088 cumulative)
- Frozen repaired: 0 (11 cumulative)
- Position changed: 59 (736 cumulative)
- Hydrants: 67 (1921 cumulative)
- Leak Loggers Installed: 0 (23 cumulative)

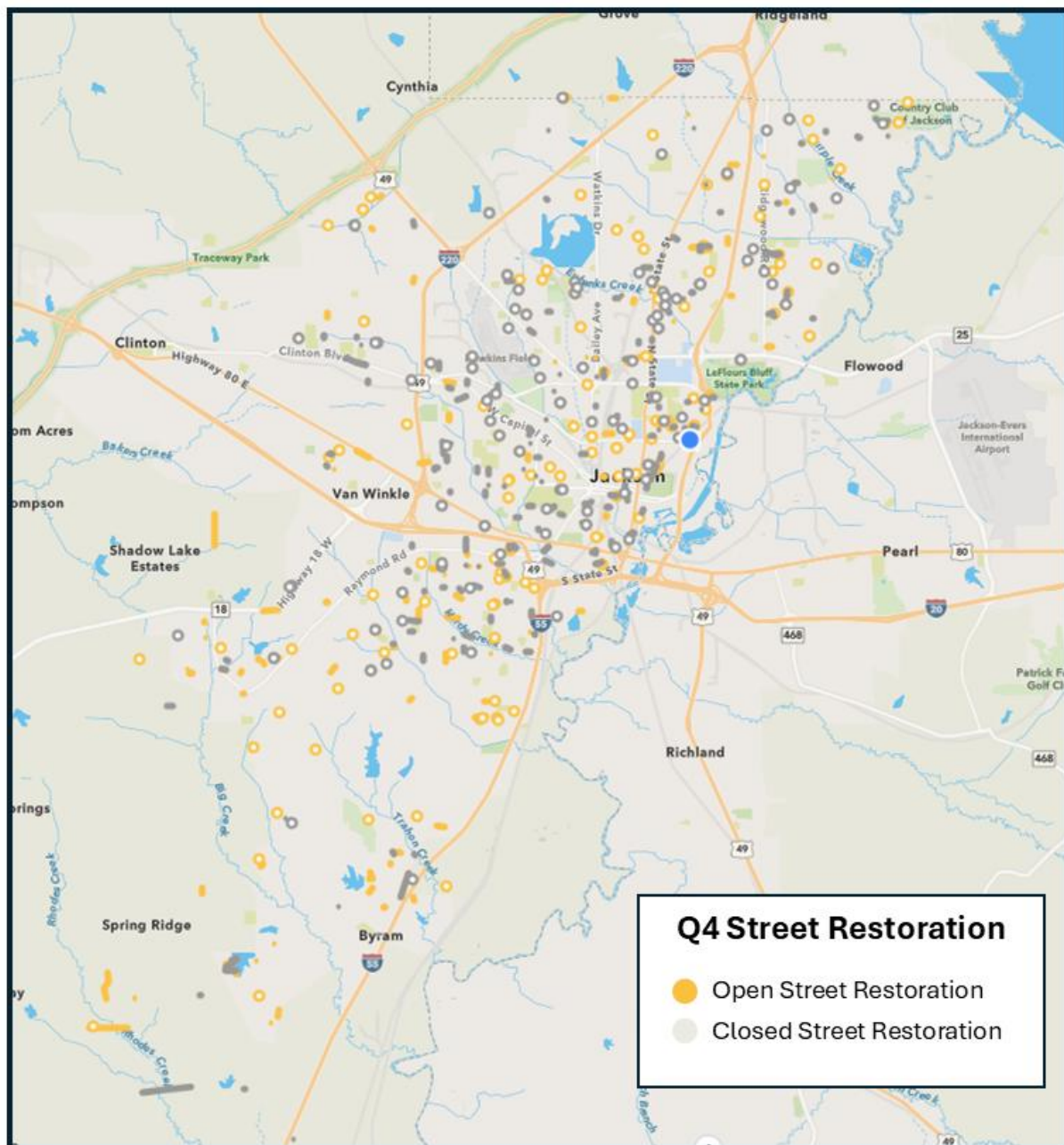
Pressure throughout the system has dramatically improved under federal judicial oversight and is now stable. The adjacent map shows pressures in South Jackson when JXN Water began operating and maintaining the system (January 2023) and as of December 2024. Pressures in South Jackson have been restored to normal system pressure.



Distribution system maintenance, repair, and renewal (formerly Find and Fix)

Water Distribution Tasks Completed								
Status	Month	Jul	Aug	Sep	Oct	Nov	Dec	Total
In Progress				1	4	5	2	12
Completed		306	230	151	181	116	34	1018
Total Tickets		306	230	152	185	121	36	1030
Percent Complete		100%	100%	99%	98%	96%	94%	99%
Tickets by Type								
Ticket Type	Month	Jul	Aug	Sep	Oct	Nov	Dec	Total
Non-Construction Tasks		8	15	12	6	2	3	46
Install		3	4	1	1	2		11
Move				1				1
Repair		240	166	124	156	104	31	821
Replace		55	44	13	22	13	2	149
Retire			1	1				2
Grand Total		306	230	152	185	121	36	1030
Average # of Days to Close								
Completed Tickets	Quarter	2024 Q3	2024 Q4					
Non-Construction Tasks		2	15					
Install		0	7					
Move		0	11					
Repair		22	8					
Replace		42	22					
Retire		0	6					

Street Restorations									
Status	Month	Jul	Aug	Sep	Oct	Nov	Dec	Total in Status	
In Progress		1	2		6	14	66	89	
Completed		19	302	47	115	65	33	581	
Total Tickets		20	304	47	121	79	99	670	
Percent Complete		95%	99%	100%	95%	82%	33%	87%	
Completed Tickets	2024 Q3	2024 Q4							
Average # of Days to Close	42	34							
*Backlog was entered July 2024. All dates reflect tracking after July 2024.									
Yard Restorations									
Status	Month	Jul	Aug	Sep	Oct	Nov	Dec	Total in Status	
In Progress		1			89	64	68	222	
Completed			12	36	52	2		106	
Total Tickets		5	12	36	141	66	68	328	
Percent Complete		80%	100%	100%	37%	3%	0%	32%	
Completed Tickets	2024 Q3	2024 Q4							
Average # of Days to Close	31	57							
*Backlog was entered July 2024. All dates reflect tracking after July 2024.									
Curb Restorations									
Status	Month	Jul	Aug	Sep	Oct	Nov	Dec	Total in Status	
In Progress					2	11	10	23	
Completed		6	5	39	11	2	63	126	
Total Tickets		6	5	39	13	13	73	149	
Percent Complete		100%	100%	100%	85%	15%	86%	85%	
Completed Tickets	2024 Q3	2024 Q4							
Average # of Days to Close	22	21							
*Backlog was entered July 2024. All dates reflect tracking after July 2024.									



Metering: The contract to install Automated Metering Infrastructure (AMI) continued in the quarter. More than 60,000 meters have been installed. Work continues to install meters in challenging locations, locations that were not accessible during the original installations in those areas, and at properties that were not in the customer database provided to the contractor in 2021. An estimated 4,000 to 6,000 meters remain to be installed and the project is considered to be substantially complete.

Meter Project Status

INSTALLATION SNAPSHOT									
Installations	5/8 X 1/2"	1"	1 1/2"	2"	4"	6"	8"	10"	Grand Total
Installed	57,687	2,296	920	1,089	309	59	7	1	62,368
Meters Ordered	60,371	2,345	921	1,121	306	59	7	1	65,131
Meters Received	60,371	2,345	921	1,121	306	59	7	1	65,131

Category	Item	Ending Date (12/31/24)
Installations	Total to Date	62,368
Assists Pending	Total to Date	6,602
Accounts Surveyed	Total to Date	58,878

Presentation Title Callibri Spt 2

UMS

ASSISTS TOTALS BY TYPE	
Row Labels	Count of ISSUE TYPE
CAN'T ACCESS METER	188
CAN'T LOCATE METER	3993
IMMINENT DANGER	2
PULLED BY CITY	67
VACANT/ABANDONED	1156
WILL NOT BE CHANGED	1196
Grand Total	6602

The AMI water meter installation project is substantially complete. The remaining installs are impacted by a number of issues as shown in the Assists Totals by Type chart to the left. JXN Water is working with UMS to resolve these issues to either install a new meter or drop the account from the list to be installed. This work will continue through 2025.

Two final collectors are in the process of being sited and installed which will complete the network of collectors covering the service area ensuring all meters can communicate with multiple collectors, adding redundancy to the system.

Customer Account Data Cleanup

JXN Water is working with Horne to improve customer account data and focus efforts to get all customers to get and keep their accounts current. During this reporting period much of the efforts have been to address water users without accounts. Category 001 in the table below includes those customers with nearly 1000 having moved out of that category. This work is challenging and slow but JXN Water continues to work to improve the accuracy of the billing data which we inherited. During the 4th quarter, the focus will turn to the more than 14,000 accounts receiving accurate bills, with new meters, but without making a payment in more than 60 days.

Dispositions by Category	7/2/24	9/29/24	12/29/24	Increase/Decrease
001_No Account Information	14,393	13,598	13,448	-150
002_Missing One or More Required SA(s)	1,203	1,459	2,041	582
003_Extra SA(s) Assigned to the Account	303	82	175	93
004_ALL SA(s) Correct but in Non-Billable Status	6,557	6,326	6,432	106
005_ALL SA(s) Correct but One or More in Non-Billable Status	4,004	4,737	3,451	-1,286
006_Correct and Billable SA(s) but No Bill Created Since Account Setup	773	884	1,370	486
007_Correct and Billable SA(s) but Partial Bill Created	404	560	509	-51
008_Correct and Billable SA(s) but No Bill Created in the Last 60 Days	1,507	1,755	1,961	206
009_Correct and Billable SA(s) but Partial Bill Created in the Last 60 Days	696	654	636	-18
010_Correct Bill Created in the Last 60 Days but No Payment Made	15,104	13,740	14,870	1,130
090_Good Customer (Correct Bill Created and a Payment Made)	29,966	28,970	30,214	1,244
700_Missing Meter	4,335	4,787	4,606	-181
800_Irrigation Account Only	411	420	376	-44
NULL	1	1	2	1
Grand Total	79,657	77,973	80,091	2,118

Communications

Overview

In Q4 2024, JXN Water continued to strengthen its connection with the community through dynamic campaigns, enhanced transparency, and innovative educational efforts. Building on the foundation of past work, this quarter marked a period of increased engagement and trust as we focused on sharing the stories behind our initiatives and amplifying the voices of our customers. Through collaborations, content creation, and community outreach, we made strides in positioning JXN Water not just as a utility provider but as a trusted partner in Jackson's recovery journey.

1. Paid Media Campaign: "Keeping Local Businesses Flowing"

The "Keeping Local Businesses Flowing" campaign, launched in October 2024, serves as a shining example of how JXN Water is integrating its mission into the fabric of the local economy. This monthly collaboration with WLBT highlights local businesses and their connection to water as a vital resource. By

spotlighting businesses like Native Coffee, we're showcasing the essential role water plays in keeping Jackson's economy vibrant and thriving.

The first segment reached an impressive 445,000 potential viewers, creating a platform for local entrepreneurs to share how reliable water access supports their operations. The positive reception of this initiative reinforces the role JXN Water plays in empowering the community and contributing to economic stability. As one business owner commented, "Water isn't just a resource—it's a lifeline for businesses like ours."

This campaign is more than just a series of videos; it's a celebration of resilience and collaboration. Each feature underscores the importance of water in creating opportunities and sustaining livelihoods, a message that resonates deeply with both businesses and residents.

2. Media Engagement Highlights

JXN Water's growing visibility in the media reflects the success of its proactive communication efforts. In Q4, we achieved more than 120 media mentions, with significant coverage from Local TV News outlets, Mississippi Today, and the Clarion Ledger. These stories emphasized our progress in infrastructure repairs and engagement initiatives, with neutral-to-positive sentiment comprising 68% of the coverage. Social media platforms also played a key role in amplifying our messaging. A Twitter thread highlighting our Lead Awareness Program reached 35,500 impressions, sparking meaningful discussions and resharing by local leaders and organizations. Positive community mentions focused on themes of transparency and responsiveness, reinforcing the public's growing confidence in JXN Water's efforts.

3. Lead Awareness and Education Program

In Q4, we laid the groundwork for a comprehensive Lead Awareness and Education Program, designed to provide customers with the tools and knowledge to protect their families. This initiative introduced an interactive online inventory map that allows residents to identify their service line materials and understand any potential risks.

Over 20,000 personalized communications were sent to customers with galvanized or unknown service lines, equipping them with detailed steps to mitigate lead exposure. Social media campaigns further amplified these messages, with educational posts reaching over 200,000 users across platforms. Through a combination of transparency and education, this program has become a cornerstone of JXN Water's commitment to public health. As one community member remarked, "It's reassuring to know that JXN Water is addressing these issues head-on and giving us the information we need to stay safe."

4. Water Academy Cohort 2

The JXN Water Academy continued to shine as a flagship community engagement program in Q4, welcoming a new cohort of five participants. These individuals, representing diverse neighborhoods across Jackson, embarked on an educational journey that deepened their understanding of water infrastructure, billing systems, and the vital role JXN Water plays in the city's recovery.

The program's impact was undeniable. 100% of participants reported leaving with greater knowledge of the water system, and 89% said they would recommend the Academy to others in their community. The curriculum, which included hands-on activities and behind-the-scenes tours, empowered participants to become advocates for positive change.

Media coverage of the Academy reached an estimated 45,000 viewers, further showcasing its success as a bridge between JXN Water and the residents we serve. One participant shared, "The Academy opened my eyes to the complexity of maintaining a water system and the incredible effort that goes into keeping our city running."

5. Customer Engagement and Transparency Initiatives

JXN Water's commitment to transparency and accessibility took center stage in Q4 through the production of five new informational videos. Covering topics such as winterization tips, bill payment guidance, and updates on infrastructure projects, these videos generated a 130% increase in YouTube viewership.

In addition to digital content, JXN Water's social media channels became a hub for community dialogue, with posts like our South Jackson pipe repair update reaching 7,000 impressions. These updates not only provided crucial information but also reinforced our role as a trusted source for accurate and timely news.

These initiatives represent a broader effort to ensure that every customer feels informed and supported. As feedback from the community has shown, clear and consistent communication is key to building trust and fostering a sense of partnership.

Looking Ahead

The momentum from Q4 sets the stage for continued growth and engagement in 2025. Key initiatives on the horizon include:

- Expanding the "Keeping Local Businesses Flowing" campaign to feature new industries and perspectives.
- Enhancing outreach for the Lead Awareness Program by collaborating with schools and local organizations.
- Introducing a new video series that highlights water conservation efforts and shares personal stories from the community.
- Increasing direct customer communications through SMS and digital channels.
- Launching monthly digital newsletter

Through these efforts, JXN Water remains steadfast in its mission to serve, educate, and inspire trust, proving that every drop of progress makes a difference.

D. Precautionary Boil Water Notices

There were no city-wide precautionary boil-water notices issued during the reporting period.

The continued accelerated efforts to find and fix legacy leaks in the system along with the long-overdue replacement of valves and hydrants and the occasional pipe break continue to require issuing many precautionary BWN each month. There were 165 issued during the quarter with an average of 37 connections impacted for 5 days each.

Precautionary Boil Water Notices

No.	Boil Water Notice Date	Boil Water Notice Lift	Duration (Days)	Surface Water System	Well Water System	Area Impacted	Number of Connections
1.	10/1/2024	10/3/2024	2	X		[813-1108] Crawford St	25
2.	10/2/2024	10/4/2024	2	X		[508-794] Launcelot Rd	120
						[507-782] Woodbury Rd	
						[502-791] Cedarhurst Rd	
						[4906-4913] Eden Ln	
						[4913-4933] Cedarhurst Dr	
3.	10/2/2024	10/4/2024	2	X		[115-162] Marion Ave	20
4.	10/3/2024	10/9/2024	6		X	[1001-1091] Westbury Sq	40
5.	10/7/2024	10/10/2024	3	X		[2206-2737] Idaho St	75
6.	10/7/2024	10/10/2024	3	X		[1908-2075] Cherokee Drive	20
7.	10/8/2024	10/11/2024	3	X		[404-435] Clifton St	40
						[425-551] Earl St	
						[518-609] Burns St	
8.	10/8/2024	10/11/2024	3		X	[114-164] Kelly Cove	10
9.	10/9/2024	10/11/2024	2	X		[103-250] Pimlico Pl	75
						[111-150] Chiswick Cir	

						[5009-5067] Ashley Dr	
						[626-728] Newland St	
10.	10/9/2024	10/10/2024	1	X		[2206-2737] Idaho Street	75
11.	10/10/2024	10/14/2024	4	X		[103-357] William McKinley Circle	57
12.	10/10/2024	10/14/2024	4	X		[1001b] W. County Line Road	10
						[6540-6550] Watkins Drive	
						[1206-1800] W County Line Road	
						[1220-1350] Echelon Parkway	
13.	10/10/2024	10/14/2024	4	X		[1509-1808] Belmont Street	30
						[1405-1441] Lyncrest Ave	
						[1317-1475] St. Ann Street	
14.	10/10/2024	10/14/2024	4	X		[3300-3213] Mable Street	23
15.	10/10/2024	10/16/2024	6	X		[505-610] N. State Street	10
						[450-700] High Street	
16.	10/14/2024	10/16/2024	2	X		[400-515] Mississippi Street	14
						[321-323] N. Congress Street	
						[431-505] N. State Street	
						[301-323] N. West Street	
						[400-550] High Street	
17.	10/14/2024	10/16/2024	2	X		[105-380] Elms Court Cir	50
						[1314-1335] Tanglewood Pl	

						[1324-1345] Dunleith Pl	
						[1328-1334] Raymond Rd	
18.	10/14/2024	Updated			X	[618] S Springlake Cir	1
19.	10/14/2024	10/17/2024	3		X	[614-618] S Springlake Cir	2
20.	10/15/2024	10/17/2024	2	X		[118-428] Sylvan Trail	15
21.	10/15/2024	10/17/2024	2	X		[3810-4247] Oakridge Dr	55
						[3805-3868] Tyrone Dr	
22.	10/15/2024	10/18/2024	3	X		[110-236] St. Andrews Dr	57
						[114-236] Winged Foot Cir	
23.	10/18/2024	10/22/2024	4	X		[516-545] Mockingbird Ln	13
24.	10/18/2024	10/22/2024	4	X		[115-236] Winged Foot Cir	40
						[204-254] St Andrews Dr	
25.	10/19/2024	10/22/2024	3	X		[102-390] Lea Circle	70
26.	10/20/2024	10/22/2024	2	X		[204-270] Shady Pine Lane	31
						[2609-2655] Pine Tree Drive	
						[2610-2624] Meadow Lark Drive	
						[132-222] Pine Lawn Place	
27.	10/21/2024	10/23/2024	2	X		[1000-1032] Pinehurst St	10
28.	10/21/2024	10/23/2024	2	X		[419-545] Merigold Dr	13
29.	10/22/2024	10/24/2024	2	X		[3810-4247] Oakridge Dr	40
30.	10/22/2024	10/24/2024	2	X		[2304-2320] Riverside Dr	2
31.	10/22/2024	10/25/2024	3	X		[1402-1750] Gibraltar Dr	45

32.	10/22/2024	10/24/2024	2	X		[1306-1445] Geeston St	30
33.	10/23/2024	10/25/2024	2	X		[105-177] Evans Dr	10
34.	10/23/2024	10/28/2024	5	X		[1103-1232] Greymont Ave	30
35.	10/23/2024	10/25/2024	2	X		[1205-2949] Marydale Dr	60
36.	10/23/2024	10/25/2024	2	X		[386] Raymond Rd (Entire Village Apartments)	35
37.	10/23/2024	10/25/2024	2	X		[2606-2650] Maria Terrace	10
38.	10/23/2024	10/25/2024	2	X		[1004-1069] Voorhees Ave	28
39.	10/24/2024	10/28/2024	4	X		[710-796] Lorraine St	25
40.	10/24/2024	10/29/2024	5	X		[3906-4005] Council Circle	15
41.	10/25/2024	10/29/2024	4	X		[3906-4005] Council Circle	15
42.	10/28/2024	10/30/2024	2	X		[605-669] Upper Darby Rd	28
43.	10/28/2024	10/30/2024	2	X		[309-399] Valley St	37
44.	10/28/2024	10/29/2024	1	X		[3906-4005] Council Circle	15
45.	10/29/2024	10/31/2024	2	X		[701-748] Nimitz Street	30
46.	10/29/2024	10/31/2024	2	X		[2201-2361] River Oaks Blvd	140
						[6253-6277] Woodrun Pl	
						[101-125] River Pl 1	
						[202-277] River Pl 2	
						[301-317] River Pl 3	
						[401-418] River Pl 4	
						[1-20] Stanford Ct	
						[1-21] Oakford Ct	
						[1-26] Greenwing Ct	

47.	10/29/2024	10/31/2024	2	X		[1202-1209] Dalton St	5
48.	10/30/2024	11/1/2024	2	X		[3114-3288] W Woodrow Wilson Ave	4
49.	10/31/2024	11/4/2024	4	X		[2615-2730] Milo Ave	21
50.	10/31/2024	11/4/2024	4	X		[5109-5310] Clinton Blvd	15
51.	10/31/2024	11/4/2024	4	X		[6288-6397] Quail Lake Dr	20
52.	11/2/2024	11/6/2024	4	X		[3308-3341] Northview Drive	30
						[501-547] Hartfield Street	
						[3316] Oxford Ave	
						[349-355] Decelle Street	
53.	11/2/2024	11/5/2024	3		X	[3-11] Hunter Cove	10
54.	11/4/2024	11/7/2024	3	X		[3003-3221] Downing St	43
						[202-231] Gaddis St	
						[209-231] Stonewall St	
55.	11/5/2024	11/7/2024	2	X		[3901-3940] Garland Ave	20
56.	11/7/2024	11/21/2024	14	X		[3046-3503] Downing Street	96
						[202-231] Gaddis Street	
						[203-291] Hartfield Street	
						[3110-3520] N. West Street	
						[200-236] Decelle Street	
						[202-246] Dunbar Street	
57.	11/8/2024	11/13/2024	5	X		[121-133] Mikell St	5
58.	11/9/2024	11/13/2024	4		X	[5102-5132] Brookview Drive	20

						[105-116] Jamestown Court	
59.	11/10/2024	11/13/2024	3	X		[2366-2563] Belvedere Drive	50
						[634-703] W McDowell Road	
60.	11/10/2024	11/13/2024	3	X		[2366-2563] Belvedere Dr	70
						[634-703] W McDowell Rd	
						[715-860] Winn St	
61.	11/11/2024	11/13/2024	2	X		[3056-3425] Downing Street	150
						[202-232] E Gaddis Street	
						[203-426] Hartfield Street	
						[200-352] Decelle Street	
						[3021-3316] Oxford Ave	
						[3110-3390] N. West Street	
						[3016-3066] Windsor Ave	
62.	11/11/2024	11/13/2024	2	X		[2600-2699] Key Street	30
63.	11/11/2024	11/14/2024	3	X		[5850-5969] River Road	31
						[246-334] River Road Lane	
						[302-405] N. Canton Club Circle	
64.	11/11/2024	11/19/2024	3	X		[715-860] Winn Street	34
						[2475-2505] Belvedere Drive	
65.	11/11/2024	11/15/2024	4	X		[305-407] E. Pascagoula Street	5

66.	11/11/2024	Duplicate		X		[715-860] Winn Street	34
						[2475-2505] Belvedere Drive	
67.	11/11/2024	11/13/2024	2	X		[5103-5148] Sycamore Drive	185
						[107-262] Baybury Lane	
						[4715-4799] Old Lake Road	
						[108-169] Hazelcrest Drive	
						[116-193] Fox Run Drive	
						[4710-4738] Sherbrook Drive	
						[4740-4791] Old Poplar Road	
						[4701-4752] Satinwood Road	
						[203-301] Holly Hill Drive	
						[402-506] Trent Drive	
						[14-57] Matt Circle	
68.	11/12/2024	11/14/2024	2	X		[502-534] Oriole St	15
69.	11/12/2024	11/15/2024	3	X		[5905-6241] Whitestone Road	130
						[503-543] Whitegate Drive	
						[5953-5965] Whitestone Court	
						[503-510] Woodson Drive	
						[6006-6203] Waverly Drive	

70.	11/12/2024	11/14/2024	2	X		[204-428] Road of Remembrance	15
71.	11/13/2024	11/15/2024	2	X		[3326-3373] Fleetwood Dr	17
72.	11/13/2024	11/15/2024	2	X		[1810-2135] Alta Woods Blvd	31
73.	11/14/2024	11/18/2024	4	X		[4404-4478] Maryland Dr	25
74.	11/14/2024	11/18/2024	4	X		[2366-2563] Belvedere Dr	70
						[634-703] W McDowell Rd	
						[715-860] Winn St	
75.	11/14/2024	11/18/2024	4	X		[102-368] Overlook Cir	35
76.	11/14/2024	11/18/2024	4	X		[5205-5265] Cloverdale Drive	17
77.	11/14/2024	11/18/2024	4	X		[400-550] High Street	20
						[321-515] Mississippi Street	
						[431-505] N. State Street	
						[301-501] N West Street	
78.	11/14/2024	11/18/2024	4	X		[5205-5265] Cloverdale Drive	35
						[5203-5258] Brookleigh Dr	
79.	11/15/2024	11/18/2024	3	X		[1131-1235] Lyncrest Ave	30
80.	11/15/2024	11/19/2024	4	X		[102-386] Overlook Circle	40
						[6633-6672] Trace Drive	
81.	11/15/2024	11/19/2024	4		X	[5006-6181] Kaybrook Dr	65
82.	11/16/2024	Updated			X	[111-366] Old Spanish Trail	90
						[111-277] Sundown Trail	

						[352-374] Hillandale Drive	
83.	11/16/2024	11/19/2024	3	X		[1102-1235] Lyncrest Ave	30
84.	11/16/2024	11/19/2024	3	X		[350-701] E Silas Brown Street	10
85.	11/18/2024	11/20/2024	2	X		[4302-4495] O'Bannon Dr [2605-2869] Kingsroad Ave	45
86.	11/18/2024	11/21/2024	3	X		[115-393] Wilmington St	17
87.	11/18/2024	11/20/2024	2	X		[917-950] Harding St	15
88.	11/18/2024	11/19/2024	1	X		[102-399] Overlook Cir	35
89.	11/18/2024	11/20/2024	2	X		[4226-4495] O'Bannon Dr [2605-2869] Kingsroad Ave	45
90.	11/18/2024	11/19/2024	1		X	[111-366] Old Spanish Trail [111-277] Sundown Trail [352-374] Hillandale Drive	90
91.	11/19/2024	11/21/2024	2	X		[3424-3850] Robinson Rd [3721-3737] Didlake Dr [3806-3920] Craig St	25
92.	11/20/2024	11/22/2024	2	X		[1221-1284] Scots Glen	20
93.	11/20/2024	11/22/2024	2	X		[113-235] Parkside PL [121-257] Texas Ave [115-249] Louisiana Ave	60
94.	11/20/2024	11/22/2024	2	X		[216-534] Oriole Dr [1810-1925] Alta Woods Blvd	35
95.	11/20/2024	Cancelled		X		[121-257] Texas Ave	31

96.	11/21/2024	11/25/2024	4	X		[1435-1579] Northlake Dr	154
						[1500-6230] Northlake Cir	
						[1500-1532] Sherman Ave	
						[1430-1545] Kristen Dr	
						[1407-1540] Tracewood Dr	
						[6115-6122] Wendy Pl	
						[6114-6123] Lyn Ln	
97.	11/21/2024	11/25/2024	4	X		[904-993] Royal Oak Dr	30
						[3221-3224] Chesterfield St	
98.	11/21/2024	11/25/2024	4	X		[904-993] Royal Oak Dr	57
						[3221-3224] Chesterfield St	
						[904-993] W Ridge Dr	
99.	11/21/2024	11/25/2024	4	X		[1207-1721] Morehouse Ave	40
100.	11/21/2024	11/25/2024	4	X		[103-295] Treehaven Drive	125
						[2605-2963] Belvedere Drive	
						[603-624] Freemont Street	
						[2802-3046] Greenview Drive	
101.	11/23/2024	11/26/2024	3	X		[710-796] Lorraine Street	23
102.	11/23/2024	11/26/2024	3	X		[133-150] W. Griffith Street	18
						[108-300] E. Griffith Street	
						[243-303] N. Farish Street	
						[239-317] N. Lamar Street	

103.	11/25/2024	12/10/2024	15	X		[4202-4267] Brussels Drive	22
104.	11/25/2024	12/5/2024	10	X		[1016-1121] Moody St	4
105.	11/25/2024	Updated		X		[1717-1937] W County Line Rd	130
						[6513-6562] Richwood Dr	
						[6527-6575] Livingston Rd	
						[1723-1938] Northwood Cir	
						[1709-1957] Hamilton Blvd	
						[6501-6530] Cedarwood Dr	
						[1926-1956] Cedarwood Pl	
						[1928-1952] Oakwood Pl	
106.	11/25/2024	11/27/2024	2	X		[111-295] Treehaven Dr	70
						[110-248] Cherry Hill Dr	
						[205-242] Hilliyard Ct	
						[3004-3046] Crossway St	
						[3007-3035] Terry Rd	
107.	11/25/2024	12/5/2024	10	X		[1640-1937] W County Line Rd	150
						[6513-6562] Richwood Dr	
						[6527-6575] Livingston Rd	
						[1723-1938] Northwood Cir	
						[1709-1957] Hamilton Blvd	
						[6501-6530] Cedarwood Dr	
						[1926-1956] Cedarwood Pl	
						[1928-1952] Oakwood Pl	

						[6501-6562] Dogwood View Pkwy	
						[1220-1340] Echelon Pkwy	
						[6410-6543] Watkins Dr	
						[1350-1485] Livingston Ln	
108.	11/26/2024	12/5/2024	9	X		[3002-3354] Longwood Dr	50
						[107-138] Longwood Ct	
109.	11/26/2024	12/5/2024	9		X	[102-190] Travis Wood St	30
						[1404-1436] Chestnut Ln	
110.	11/27/2024	12/5/2024	8	X		[1055-1132] Maderia Ave	70
						[500-534] Oak St	
						[501-533] Scott St	
						[502-708] Ash St	
						[920-1023] Rondo St	
						[1250-1510] Martin Luther King Jr Dr	
						[1390-1502] Piney Woods St	
111.	11/27/2024	12/5/2024	8	X		[112-238] Claiborne Ave	30
						[2912-3063] Jayne Ave	
						[2905-2921] Macy St	
112.	11/27/2024	12/5/2024	8	X		[906-1048] Stuart St	27
113.	11/29/2024	12/5/2024	6	X		[707-794] Lancelot Road	30
114.	12/1/2024	12/5/2024	4	X		[800-934] Pinehurst Street	18
115.	12/1/2024	Updated		X		[121-158] Taylor Street	30

						[101-145] Lorenz Blvd	
						· [2497-2725] N West St	
116.	12/1/2024	Duplicate		X		[121-158] Taylor Street	20
117.	12/2/2024	12/5/2024	3	X		[710-796] Lorraine St	23
118.	12/2/2024	1/10/2025	39	X		[121-158] Taylor St	30
						[101-145] Lorenz Blvd	
						[2497-2725] N West St	
119.	12/2/2024	12/5/2024	3	X		[108-196] Woody Dr	25
						[3108-3178] Alameda Dr	
120.	12/2/2024	12/5/2024	3	X		[1601-1731] Robinson Rd	120
						[1703-1817] Central St	
						[718-859] Eastview St	
						[717-858] S Prentiss St	
						[804-858] Buena Vista Ave	
						[821-855] Brookside Pl	
121.	12/2/2024	12/5/2024	3	X		[201-275] Holland Ave	19
122.	12/3/2024	12/10/2024	7	X		[923-1178] Alta Vista Blvd	65
123.	12/3/2024	12/10/2024	7	X		[1448-2020] Douglass Drive	60
124.	12/3/2024	12/10/2024	7	X		[807-942] Raymond Road	16
125.	12/4/2024	12/10/2024	6	X		[2403-2443] Georgetown Ave	8
126.	12/4/2024	12/10/2024	6	X		[511-656] Choctaw Rd	15
127.	12/5/2024	12/12/2024	7	X		[210-219] Hudson St	6
128.	12/6/2024	12/11/2024	5	X		[517-732] Seneca Ave	25

129.	12/6/2024	12/11/2024	5	X		[901-1070] Dorgan St	39
130.	12/6/2024	12/11/2024	5	X		[1602-1741] Winchester St	40
131.	12/7/2024	12/13/2024	6	X		[2805-2975] Fairhill Drive	51
132.	12/8/2024	12/11/2024	3	X		[203-427] Lorenz Blvd	31
133.	12/9/2024	12/12/2024	3	X		[724-1825] Willaneel Dr	40
134.	12/9/2024	12/12/2024	3	X		[5202-5430] Runnymede Road	23
135.	12/10/2024	12/13/2024	3	X		[125-257] Texas Ave	38
						[163-235] Parkside Place	
136.	12/10/2024	12/13/2024	3	X		[1025-1336] Peachtree Street	10
137.	12/11/2024	12/16/2024	5	X		[222-1615] S. Gallatin Street	61
138.	12/11/2024	12/16/2024	5	X		[314-4478] Maryland Dr	57
						[310-4434] Joel Ave	
						[4404-4460] Wear Ave	
						[473] Glendora Ave	
139.	12/11/2024	12/16/2024	5		X	[3228-3770] Old Jackson Rd	25
						[1095-1210] Flowers Rd	
140.	12/12/2024	12/16/2024	4	X		[2615-2737] Meadow Lark Drive	54
						[132-235] Pine Lawn Place	
						[204-270] Shady Pine Lane	
						[2612-2759] Pine Tree Drive	
						[126-158] Pine Ridge Drive	
141.	12/12/2024	12/16/2024	4	X		[1313-1406] Hazel Street	11

142.	12/12/2024	12/16/2024	4	X		[2502-2566] Williamson Ave	22
143.	12/12/2024	12/16/2024	4	X		[2315-2548] Coronet Pl	51
144.	12/13/2024	12/16/2024	3	X		[804-866] Madison Street	18
145.	12/13/2024	12/16/2024	3	X		[711-1821] Pinehurst Street	61
146.	12/13/2024	12/19/2024	6	X		[317] Buena Vista Ave	1
147.	12/13/2024	12/19/2024	6	X		[1112-1236] Crestview Ave	10
148.	12/13/2024	12/16/2024	3		X	[3123-3355] Davis Road	180
						[2120-2159] Crossbridge Blvd	
						[701-733] Meadow Way	
						[115-2112] Bridgeton Plaza	
						[1-27] Old Bridge Cove	
						[401-417] Justin Cove	
						[301-314] Justin Cove	
						[5301-5361] Gardens Way	
						[601-630] Oakview Way	
						[501-510] Westbridge Cove	
						[4201-4309] Summerton Drive	
149.	12/17/2024	12/19/2024	2	X		[324-350] Samuel Bailey Dr	2
150.	12/18/2024	1/10/2025	23	X		[1745-1955] Hwy 80 East	8
151.	12/18/2024	1/10/2025	23	X		[1111-1214] Kenwood Pl	12
152.	12/18/2024	1/10/2025	23	X		[901-1170] Branch St	60

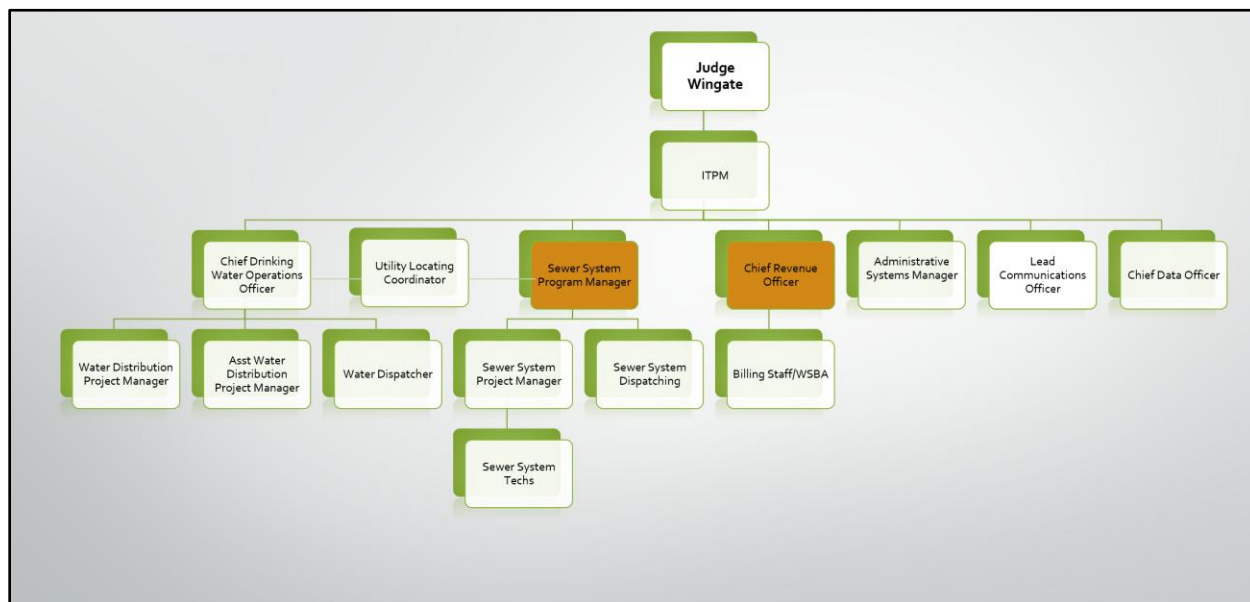
153.	12/18/2024	1/10/2025	23	X		[221-403] Mt Vernon Ave	32
154.	12/18/2024	1/10/2025	23	X		[301-1012] N. West Street	43
						[321-429] Mississippi Street	
						[416-520] George Street	
						[350-550] High Street	
155.	12/18/2024	12/30/2024	12	X		[4000-4051] N West St	5
156.	12/18/2024	1/10/2025	23		X	[501-571] Reel Street	15
157.	12/20/2024	1/10/2025	21		X	[307-322] Laurie Ln	5
158.	12/23/2024	12/30/2024	7	X		[4000-4051] N West St	5
159.	12/24/2024	12/30/2024		X		[5211-5465] Hialeah Drive	26
160.	12/25/2024	12/30/2024	5	X		[710-796] Lorraine Street	23
161.	12/26/2024	12/30/2024	4	X		[1409-1483] Rockdale Dr	17
162.	12/26/2024	12/30/2024	4	X		[508-641] Launcelot Rd	25
163.	12/26/2024	12/30/2024	4	X		[601-792] S Commerce St	15
164.	12/28/2024	1/2/2025	5	X		[1903-2045] Petit Bois Street	36
165.	12/30/2024	1/6/2025	7	X		[103-349] Maywood Cir	30
						[4611-4648] Kelton Dr	
166.	12/30/2024	1/6/2025	7	X		[1450-1966] Country Club Dr	15
167.	12/30/2024	1/6/2025	7	X		[1914-2216] Hill Ave	13
168.	12/30/2024	1/6/2025	7	X		[3708-3825] Hawthorn Dr	20
						[726-783] Sherwood Dr	
169.	12/30/2024	1/6/2025	7	X		[103-180] W Woodcrest Dr	22
170.	12/31/2024	1/6/2025	6	X		[111-315] W Santa Clair	50

171.	12/31/2024	1/6/2025	6	X		[2403-2571] Prosperity Street	32
172.	12/31/2024	1/6/2025	6	X		[459-487] Glenco Ave	46

JXN Water Staff and Contract Support

The organizational chart for the ITPM and JXN Water is shown on the chart below. The two orange blocks represent contract employees performing staff functions.

ITPM and JXN Water Organization Chart



Contractual Support for ITPM

With additional experience, the roles of various contractors have been evaluated and modified from the original grant workplan. At this time these are the contractors supporting the ITPM:

Legal Services – Regulatory and General Counsel – AquaLaw (Paul Calamita) has been engaged with the local support of Forman Watkins (Malissa Wilson). Mr. Calamita has over 30 years of experience representing public drinking water and sewer utilities nationwide. Ms. Wilson is a Partner at Forman Watkins and her team is able to provide a wide range of necessary support with extensive experience with Mississippi clients.

Accounting – Kim Hardy, CPA with Matthews, Cutrer, and Lindsay has been retained. Horne has been retained to assist with compliance monitoring.

Financial Advisor – PFM (Ricardo Callender) has been retained to provide financial advisory services. There may be additional support necessary under this item related to the debt retirement.

Billing Support – Horne has been retained to assist with updating the customer account data in addition to the compliance support they are providing. BOSS has been managing the Oracle billing system and implementing the meter-to-cash solution.

Communications Support – HDR has been retained to support the JXN Water communications effort. This broad tasking includes, copywriting, copy editing, graphic design, social media management, website design and development, and public relations services.

Water Production (into Distribution System) in million gallons per day

Plant	Q4 Avg	Q3 Avg	Q2 Avg	Q1 2024	Q4 Avg	Q3 Avg	Q2 Avg	Q1 Avg 2023
OBC Conventional	10.9	11.4	9.5	13.6	17.6	16.1	13.3	15.1
OBC Membrane	16	17.1	16.8	18.2	19.1	21.7	22.4	21.8
JH Fewell	12.7	12.2	12.1	16.6	19.3	15.9	11.5	13.4
Total	39.6	40.7	38.4	48.5	55.9	53.7	47.2	50.2

Power and Chemical Cost for Water Treatment

	October 2024	November 2024	December 2024	Q4 2024
Average Flows MGD (Monthly Average for All Plants)	41.4	37.8	39.7	39.6
Total Monthly Water Production, MG (All Plants)	1,282	1,133	1,230	3,646
Estimated Chemical and Power Cost Per MG	\$467	\$436	\$803	\$571

O&M Contract Staffing Plan and Progress

Jacobs has continued to recruit to fill all positions in their staffing plan. The plan calls for a long-term total of approximately 56 people (two field tech positions added during this reporting period) with a short-term requirement for an additional 12 maintenance people to expedite corrections and deficiencies related to deferred maintenance. Eighteen full-time and one part-time position have been filled with former City of Jackson employees. As of December 31, 2024, 50 positions of 68.5 are filled (71.5 percent).

Jacobs Operation and Maintenance Contract Staffing Plan and Status

[illegible]

E. SUMMARY OF DELAYS ENCOUNTERED OR ANTICIPATED

None identified during the reporting period. New completion dates were approved by EPA via email on December 17, 2024, as follows:

For Priority Project No. 3 (Corrosion Control), the EPA understands that the construction of the liquid lime and CO₂ system for the J.H. Fewell Water Treatment Plant (WTP) has been completed, and is now operational. We further understand that the optimal corrosion control treatment (OCCT) system for O.B. Curtis WTP (which had previously been approved by the Mississippi State Department of Health (MSDH)) was undersized, lacked process control, and was found to be insufficient for meeting the established water quality parameters (WQPs). As a result, JXN Water engaged Jacobs Engineering to reassess the OCCT system for O.B. Curtis WTP. Thereafter, in December 2023, JXN Water proposed modifying the OCCT for O.B. Curtis WTP to replace the soda ash system with a liquid lime and CO₂ system. MSDH approved the OCCT treatment technique and final design for the improvements on November 7, 2024. As more fully explained in the attached “Modification of Approved Optimized Corrosion Control Treatment” Memorandum from Jacobs Eng’g Group, Inc. (Nov. 27, 2024) and its appendices, JXN Water now anticipates full completion of OCCT for O.B. Curtis WTP in August 2026.

For Priority Project Nos. 8 and 9 (Chemical Systems and Chlorine System Replacement at O.B. Curtis WTP), the EPA understands that these two projects were combined, funding was approved under MSDH’s Drinking Water State Revolving Fund (DWSRF) program, and that the scope of the project (as outlined in the [Sept. 2024 Intended Use Plan](#)) now includes: replacement of the aluminum chloralhydrate (coagulant), sodium permanganate (oxidizer), coagulant aid polymer, and fluoride system with similar processes; transition of the disinfection systems from gas to liquid feeds; replacement of the existing chlorine gas system with an on-site hypochlorite generation system to feed hypochlorite; and replacement of the existing ammonia gas system with a liquid ammonium sulfate system. The EPA has reviewed the current schedule you submitted, and understands that JXN Water now anticipates full completion of this work by August 2027.

F. FEDERAL GRANT 84060101-01 - ACCOMPLISHMENTS IN RELATION TO REQUIRED OUTPUTS AND OUTCOMES

Project Goals, Outputs, and Outcomes

The main goal of the project is to implement the necessary actions as defined in the Stipulated Order to restore reliable and safe drinking water to all customers of the Jackson Water System. The Consolidated Appropriations Act, 2023, included \$150 million in 1442b grant funding for the City of Jackson’s water system. This grant application includes eligible pre-award costs beginning on February 1, 2023. Additionally, because these contracts are required to mitigate the existing emergency situation, noncompetitive procurement may be used based on 2 CFR 200.320(c)(3), the public exigency or emergency for the requirement will not permit a delay resulting from publicizing a competitive solicitation. Further, the Stipulated Order specifically exempts the Interim Third-Party Manager from

compliance with Mississippi procurement laws and regulations. Progress on specific projects funded by this grant is detailed herein. Financial reports follow.

Outcomes as of December 31, 2024

Valve and Hydrant Assessment

- Valves fully exercised: 755 (6134 Cumulative)
- Op nut repairs: 8 (59 cumulative)
- Uncovered: 351 (1088 cumulative)
- Frozen repaired: 0 (11 cumulative)
- Position changed: 59 (736 cumulative)
- Hydrants: 67 (1921 cumulative)
- Leak Loggers Installed: 0 (23 cumulative)

Service Line Inventory

- Inventory completed and submitted on October 16, 2024
- Less than 10 LSL found during inventory and the two active ones replaced (others were abandoned, not in service, and removed).
- Predictive model has no other lead service lines
- Over 18,000 galvanized requiring replacement
- Web based map posted
- Required communications completed

Distribution System Leaks – Find and Fix (new work order system tracking live 7/2024)

- 1018 Water tasks (repairs/replacements/etc.,) completed since 7/1/2024
- 12 open tickets at end of reporting period
- 581 pavement restoration tickets completed/89 open at end of reporting period
- 232 yard/curb restorations complete/245 open at end of reporting period
- Water production down 28% year over year

Phase 2 O&M Contract – Open Book Reimbursement

- In place since February 20, 2023

Phase 3 O&M Contract – Long Term Fixed Price

- Contract executed, effective October 1, 2024 for 10-year term.

Winterization

- Complete
- Monitoring foundation of membrane building as litigation is pursued related to potential design defects. No movement detected to date.

Corrosion Control

- Enhanced corrosion control (liquid lime and CO2) complete and operational at JH Fewell
- Enhanced corrosion control for OB Curtis incorporated in MCWI project for filters and construction underway with estimated completion date August 2026.

Emergency Water Supply

- JXN Water continued through the reporting period to provide tanker truck water and associated pumping to the Juvenile Detention Center. Pressure in the system appears adequate but on-site issues are making JXN Water service unreliable. This situation will be corrected with new system being installed as part of the new City Jail project.

System Planning and Stabilization

- Major tools/systems complete
 - GIS
 - Hydraulic all-pipe model
 - Asset Management
 - Work Order
- Repairs of major pipe breaks
- Masterplan work initiated

Resilient Power Plan

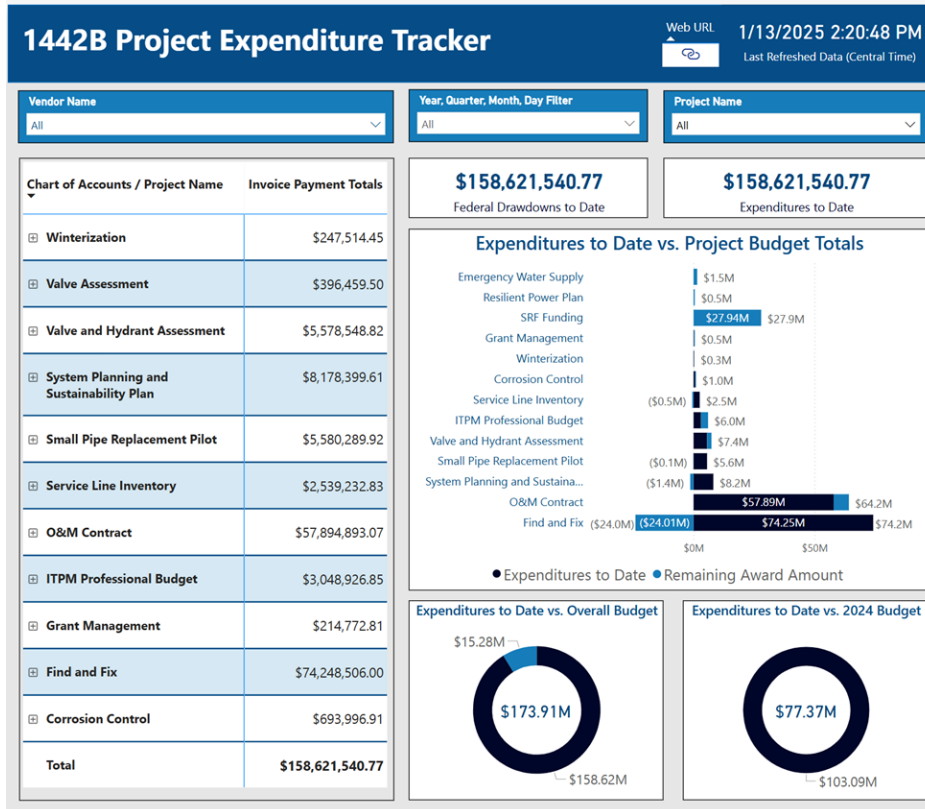
- Assessment and plan complete
- Design underway.

Small Pipe Replacement Plan

- Pilot project with 1 mile of small diameter pipe complete
- Design of next phase complete, awaiting SRF loan approval.

G. Detailed Accounting of Grant 84060101 Funding

See dashboard below for current spending totals since the beginning of the grant term. Federal funding to pay these costs during the reporting period. Costs incurred after February 2, 2023, are eligible.



In November 2024, MSDH approved a reimbursement to Grant 84060101 for eligible expenses previously paid with grant dollars. The result was a transfer of SRF funding totaling \$27,944,104.07 was added to the grant to offset previous draws. The total award remains unchanged but for tracking purposes the grant now will track to a total expenditure of \$145,961,591 plus \$27,944,104.07 or \$173,905,695.07. As of December 31, 2025, expenditures total

\$158,621,540.77, leaving a balance of \$15,284,154.30. The remaining funds will be used to pay the operating and maintenance contract invoices for November and December 2024, and January through March 2025.

H. Spending Plan

The Financial Management Plan, submitted on January 29, 2024, included a spending plan that extends through the 20-year planning period. The first 5 years of the plan (through 2029) are shown below:

Source	Priority Project No.	Description	Total	2023	2024	2025	2026
1442b	2	Winterization	\$ 0.3	\$ 0.2	\$ 0.1		
1442b	3	Corrosion Control	\$ 1.0	\$ 0.3	\$ 0.7		
1442b	5.a.ii	Valve and Hydrant Assessment	\$ 7.4	\$ 1.9	\$ 5.5		
1442b	5.a.vii	Service Line Inventory	\$ 2.0	\$ 0.2	\$ 1.8		
1442b	5.a.iv	Distribution System Leaks - Find and Fix	\$ 50.2	\$ 23.2	\$ 27.0		
1442b	5 and 6	System Planning and Stabilization	\$ 6.8	\$ 2.8	\$ 2.0	\$ 2.0	
1442b	4	Emergency Water Supply	\$ 1.5	\$ -	\$ 1.0	\$ 0.5	
1442b	13	Resilient Power Plan	\$ 0.5	\$ -	\$ 0.5	\$ -	
1442b		Small Pipe Replacement Pilot	\$ 5.5	\$ -	\$ 5.5		
1442b		ITPM Professional Budget	\$ 6.0	\$ -	\$ 3.0	\$ 3.0	
1442b		Grant Administration	\$ 0.7		\$ 0.3	\$ 0.4	
1442b		EPA Administration	\$ 3.9				
			\$ 85.8				
1442b	1	O&M Contract	\$ 64.2	\$ 26.7	\$ 30.0	\$ 16.2	
		TOTAL 1442b	\$ 150.0	\$ 55.3	\$ 77.4	\$ 22.1	
ARPA	11.a.g	OBC Filters/Conventional and Membrane	\$ 12.0		\$ 12.0		
ARPA		Sewer Find and Fix	\$ 34.0		\$ 4.5	\$ 18.0	\$ 11.5
		TOTAL ARPA	\$ 46.0				
Comm Grant		Maintenance Facilities Improvements	\$ 2.4		\$ 2.4		
Comm Grant		WSBA Facility Replacement	\$ 1.6		\$ 1.6		
		TOTAL COMMUNITY GRANT	\$ 4.0				
Pay-Go		Distribution System Repairs	\$ 75.0				
Pay-Go		Plant Treatment Processes	\$ 75.0				
Pay-Go		Small Pipe Replacement	\$ 65.0				
Pay-Go		Sewer System Repairs	\$ 182.0		\$ 12.0	\$ 17.0	\$ 22.0
		TOTAL PAY-GO	\$ 397.0				
Active	SRF Loan 3	Membrane Train	\$ 0.3	\$ 0.3			
Active	SRF Loan 3	Membrane Building	\$ 1.5	\$ 1.5			
Active	SRF Loan 3	OBC Winterization	\$ 4.1	\$ 4.1			
Active	SRF Loan 3	JHF Corrosion Control	\$ 5.0	\$ 5.0			
Active	SRF Loan 3	JHF Filters 24/26	\$ 1.8	\$ 1.8			
		TOTAL ACTIVE SRF LOAN 3	\$ 12.7				
SRF Omni	5.a.v	Distribution System Optimization	\$ 50.0		\$ 10.0	\$ 20.0	\$ 20.0
SRF Omni	10	Intake Structure Repair	\$ 15.0			\$ 15.0	
SRF Omni	13	Resilient Power Facilities OBC	\$ 31.8		\$ 6.8	\$ 25.0	
SRF Omni	5	Distribution System Upgrades and Replacements	\$ 50.5		\$ 4.0	\$ 18.0	\$ 18.0
SRF Omni		OBC Residuals System Upgrade	\$ 34.5			\$ 14.5	\$ 10.0
SRF Omni		Distribution Storage Upgrades	\$ 27.5		\$ 0.5	\$ 9.0	\$ 9.0
SRF Omni		Well System Rehabilitation	\$ 22.2			\$ 12.2	\$ 10.0
SRF Omni		HSPS/Backwash Electrical Upgrades	\$ 11.0			\$ 11.0	
SRF Omni		Membrane Replacement	\$ 3.6		\$ 3.6		
SRF Omni		JHF Pumping Station Conversion	\$ 33.8		\$ 0.8	\$ 10.0	\$ 23.0
SRF Omni		Chemical Feed Repair OBC	\$ 33.3		\$ 3.3	\$ 30.0	
SRF Omni		SCADA	\$ 13.4		\$ 3.4	\$ 10.0	
SRF Omni		Treatment Process Renewals	\$ 24.5		\$ 8.0	\$ 16.5	
SRF Omni		Small Pipe Replacement	\$ 83.0		\$ 3.0	\$ 40.0	\$ 40.0
SRF Omni		Retire SRF	\$ 13.9			\$ 13.9	
SRF Omni		EPA Administration/Technical Assistance	\$ 2.0	\$ 1.2	\$ 0.2	\$ 0.2	\$ 0.2
		TOTAL SRF OMNIBUS	\$ 450.0				
SRF Omni (CD)	11.g	General Filter Repairs at JHF	\$ 2.8		\$ 2.8		
USACE 219/WRDA		100 MGD Pump	\$ 5.0		\$ 5.0		
USACE 219/WRDA		Membrane Cassette Purchase	\$ 10.0		\$ 10.0		
USACE 219/WRDA		Small Pipe Replacement	\$ 40.0		\$ 15.0	\$ 15.0	\$ 10.0
USACE 219/WRDA		Sewer System Work	\$ 50.0	\$ 5.0	\$ 20.0	\$ 30.0	\$ 30.0
USACE 219/WRDA		Dredging Storm Basins at Savanna	\$ 25.0		\$ 10.0	\$ 15.0	

I. Modifications to the Priority Project List or Schedule

No modifications to the Priority Project List or Schedule were requested during the quarter. The list remains as submitted with the 2024 Q1 report as follows:

1. O&M Contract

- a. Establish, support, and maintain a contract(s) for operation and maintenance of the System. The contract must establish clear level of service goals including minimum appropriate staffing in accordance with Miss. Admin. Code § 15-20-72.2.2.1(5) and all applicable laws and regulations.
 - Phase 1 – Contract operations for both plants and wells based on open-book cost plus model. This phase allows for continued negotiations to long-term contract while contractor is learning more about costs to operate to start by **March 2023**
 - Phase 2 – Contract operations of complete system – including distribution system with an initial 5-year term with options to renew. ~~July 2023 New Date 10/31/2023 in Q1 report. Continuing to address liability concerns with ISO Parties and legal teams. New target date December 31, 2023, subject to resolving liability concerns. Ongoing discussions with DOJ and EPA regarding liability concerns of Jacobs with a long-term contract continue to delay this project. New target date is July 1, 2024, for a long-term contract (10 years) with Jacobs for water treatment plant O&M.~~
 - **COMPLETE – LONG TERM CONTRACT EXECUTED, EFFECTIVE SEPTEMBER 1, 2024 THROUGH AUGUST 30, 2034.**

2. Winterization of system – This project completes work in progress as of the effective date. This work was contracted by the City of Jackson. JXN Water is managing these contracts through Jacobs Consulting. This work is almost complete and Jacobs is reviewing the plants for any gaps and will provide a detailed assessment of any needed further measures.

- a. Develop and implement to the extent funding and schedule permit a comprehensive plan to properly winterize both O.B. Curtis and J.H. Fewell.
 - Short term immediate measures – **March 2023**
 - Plan for longer-term measures – **July 2023**
 - Implement plan for winter 2023/2024 – **December 2023**
- b. Complete membrane winterization project.
 - ~~August 2023~~ **Winterization is complete. Final close out underway. Foundation issues discovered that may delay closeout. Timing for correction of these defects cannot be estimated at this time.**

3. Corrosion control – This project was originally intended to complete the projects that were

under construction as of the ISO effective date. A full review has resulted in JXN Water requesting a change from the approved OCCT from the MSDH. Approval is anticipated based on discussions with MSDH and implementation will be complete by the end of Q4.

- a. Address any outstanding issues impeding full implementation of optimized corrosion control treatment ("OCCT") at J.H. Fewell and O.B. Curtis, and complete implementation of such OCCT as required by MSDH and consistent with the MSDH-approved OCCT plans to meet State-approved water quality parameters.

- ~~September 2023~~ **Lead time on equipment slowed the completion of the JH Fewell OCCT. This system was completed in October 2023 and put into full operation in December 2023. Re-evaluation of the approved OCCT plan for OB Curtis resulted in changing from the Soda Ash based system to liquid lime and CO2 (matching the OCCT for JH Fewell). A request for approval of that change was submitted to MSDH in December 2023 and implementation is moving forward in anticipation of approval. Completion of the OCCT at OB Curtis (assuming MSDH approval) will be ~~June 30, 2024~~ December 2024.**

- **MSDH has approved plan. CMAR negotiations underway. New completion date to be submitted in Q4 once CMAR negotiations conclude.**

4. **Alternative water source plan**

- a. Implement an Alternative Water Source Plan ("AWSP") including entering into agreements for the immediate provision of alternative water - at least one gallon per person per day. **A revised plan scope was submitted to EPA on September 19, 2023. EPA and MSDH provided no comments within the 20-day comment period. The new scope is as follows: Implement an Emergency Water Supply Plan to provide pressurized temporary connections and tanker truck supplied potable water to customers impacted by JXN Water work on the distribution system or as a temporary measure until distribution system improvements can be completed.**

- **Complete - The plan was implemented effective September 30, 2023**

5. **System Planning and Stabilization**

a. **Distribution system**

- b. Develop a plan for EPA review and approval for distribution system study and analysis to include at a minimum: ~~Plan submittal July 2023 (within 60 days — no schedule adjustment required)~~ **Development of this plan was slowed by the need to complete mapping and the hydraulic model before the study and analysis could be completed. This work was further slowed by the extensive engineering effort required to assist with leak detection and "find and fix". The model became functional in November 2023 and the study and analysis is proceeding with a technical memo submitted in Q1 2024.**

- I. A GIS-based dynamic hydraulic model
- II. Valve and hydrant location and assessment, including valve size
- III. An asset management system
- IV. Water loss identification and reduction
- V. System operation optimization and configuration standards
 1. Pressure study – HGL analysis
 2. Implement pressure control/pressure zones/booster pumping as recommended and as funding and schedule permit.
 - ii. Corrosion control
 - iii. Service line inventory and replacement planning
 1. Prioritize replacement of any lead lines found, with schedule approved by EPA and MSDH.
 2. Update lead service line replacement plan in compliance with Lead and Copper Rule Revisions.

~~b. Implement plan as funding and schedule permit.~~ **Implementation of many activities has commenced with all elements to commence no later than plan approval date. Implementation will continue into 2024 and beyond.**

b. System stabilization and sustainability plan - March 2023 New date 10/31/2023 in Q1 report.

- I. Develop a sustainable plan to stabilize and invest in the water system to ensure safe and reliable drinking water for all of Jackson, all the time.
- II. Key areas to be addressed include sustainable revenue models, appropriate levels of renewal and replacement, asset management plan, service levels, water demand modeling, and other related factors.
 - ~~This plan requires input from distribution system plan (PPL 5) as well as Jacobs' condition assessment (draft submitted in October 2023). Completion by December 31, 2024.~~

6. Combined with 5 above

7. **SCADA system improvements** – sensors, actuators, sensors, etc. This project is to evaluate and replace the SCADA system at OB Curtis and JH Fewell.

- ~~September 2023 – unable to estimate completion until upgrade evaluation is completed in September 2023 (30 percent design) at which time construction schedule will be developed and submitted.~~ **Design work commenced in Q3 with scope limited to prepare 30 percent design in Q1 2024. SCADA replacement estimated complete in 2026.**

8. **Chemical systems at plants and wells**

- Assess and repair, as necessary, all chemical feed pumps and associated equipment at all facilities, including but not limited to; controls, sensors, weight indicators, and feed lines, to return all chemical feeds to fully functional status, ensure operational

redundancy, and establish flow paced automated dosing for all chemical feed systems.

- ~~Complete Oct 2023 This project changed from a repair effort to a complete replacement of all chemical feed systems at OB Curtis once engineering began. PP 9 has been included in the design. Project de currently at 90 percent. Schedule for contract completion extends to end of 2024.~~
- Design complete and CMAR developing contract package. Project delayed pending SRF approval. New completion date to be submitted in Q4 once CMAR schedule is locked in.

9. Chlorine system improvements at O.B. Curtis

a. Make replacements or immediate interim repairs as necessary for continuous safe operation.

- **February 2023** – Complete to operate in accordance with Jacobs’ safety protocols.

b. Develop and implement plan to eliminate use of gaseous chlorine at O.B. Curtis.

- ~~Plan has been developed and design started to be accomplished in coordination with PP 8. Design is at 90 percent. Construction schedule to be refined by CMAR in Q2 2024.~~
- Included with PP8. See update above.

10. Intake Structure Repairs

a. Assess and repair, as necessary, the intake structures at J.H. Fewell and O.B. Curtis, including, but not limited to, sensors (including related remote SCADA capabilities), chemical feed systems, valves, electrical components, screens, physical structure, and any appurtenances, to return the intake structures and related components to fully operational status.

- ~~Complete December 2023 – JHF scope may be much more complex and if so – a specific schedule will be developed once assessment is complete in Summer 2023.~~
- This has been delayed by other priorities at the OB Curtis Plant. Jacobs will begin assessment and design in early 2024 with an estimated completion date of December 2025 due to the slow SRF funding process.
-

11. Treatment facilities (J.H. Fewell and O.B. Curtis as applicable) unit processes and pumps – evaluate performance and restore redundancy – **Start Dec 2022 with assessment by JACOBS. Work accomplished throughout 2023 in coordination with JACOBS as contract operator. No completion date can be established until the extent of repair/remediation/replacement work can be fully determined.**

- a. Membrane system
- b. Raw water pumping and screening
- c. Oxidation basins
- d. Rapid mix
- e. Flocculation and sedimentation
- f. Sludge removal
- g. Filters
- h. UV
- i. Transfer pumping
- j. High service pumping

12. **Sludge assessment in all finished water storage facilities**

- a. Assess sludge levels and remove as required. Develop operating procedures to minimize future sludge accumulation in all finished water storage facilities.
~~Assessment June 2023 – Assessment could not be completed. Divers met with JXN Water staff and Jacobs on site to plan assessment and determined the treatment facilities are unable to safely shut down for the time required for the divers to perform assessment. This project will be re-evaluated at the end of 2024. Accomplishment is dependent on continued progress on distribution system repairs and plant redundancy.~~
Removal, if required, December 2023
 Jacobs located vendor with remote operating vehicle that was able to inspect both clear wells without shutting down the plant. Clear well 2 had little sedimentation. Clear well 1 had approximately 2 feet of lime sediment that will be removed with the Chemical Feed project when new chemical dosing ports are installed with new baffles in the clear wells.

13. **Resilient power plan**

- a. Assess power vulnerability throughout the system and develop and implement a plan to address issues identified in the assessment, as funding and schedule permit.
~~Assessment September 2023. Technical Memo to be submitted Q1 2024. Initiating design to be accomplished under SRF. Schedule of construction yet to be determined.~~
 Design started in Q3 to be accomplished with SRF funding. Long lead time on generators may delay final completion date.

J. Project Status Updates

Table 5. Status Updates from JXN Water

• Status Change Quarter Ending December 31, 2024	• Status Quarter Ending December 31, 2024 •	• Delays	• Projection of Work Ending Quarter Ending March 31, 2025 •
Entire System Stabilization			
Continued stabilization actions	JHF Flow Control (West) - Completed replacing valves on Fewell west side to allow control of finished water flows. Completed majority of the tie ins on new 48” transmission between High Street and Rankin Street. Repaired leak on 42” at Forest Ave/Highway 49. Kicked off subsurface leak program. Completed tie ins on 20” transmission at MMC Railyard. Continued expanding work order and asset management software to collect more attributes and data. Repaired leak at Parkside and Woodrow Wilson on 20” transmission.	None	Complete all remaining tie ins on new 48” transmission between High Street and Rankin Street. Continue to advance subsurface leak program.
South Jackson System Stabilization			
Continued stabilization actions	Completed first small line replacement pilot project. Wach’s valve assessment focus transitioned to South Jackson. Uncovered and replaced closed 16” valve on transmission line along Hwy 80 and Valley Street.	None	Continue to advance small line replacement projects. Continue Wach’s valve assessment in the South Jackson area.

• PPL	• Description	• Status Change Quarter Ending December 31, 2024	• Task Order(s) Quarter Ending December 31, 2024		• Summary of Work Quarter Ending December 31, 2024	• Summary of Delays Encountered	• Projection of Work Quarter Ending March 31, 2025
1	O&M Contract	O&M contractor progressing work.	Operations Consulting Support and Safety Audit	Jacobs	• Focused on backfilling maintenance staff positions. • Continued with pulling, repairing, and returning to service raw water pumps, high service pumps, and transfer pumps, and blowers to further improve plant reliability and resiliency. • Continued flushing and inspection of distribution tanks.		• Coordinate operations with upcoming construction project sequencing. • Continue distribution system flushing for the continued reduction of disinfection by products. • Obtain states response for
			Operations Consulting Support and Safety Audit (Amendment 1)	Jacobs			
			O&M Secondment	Jacobs			
			O&M Secondment (Amendment 1)	Jacobs			
			O&M Secondment (Amendment 2)	Jacobs			
			O&M Phase 2	Jacobs			
			O&M Materials Procurement	Jacobs			
			O&M Condition Assessment	Jacobs			
			O&M Evaluation	Jacobs			
			O&M Staff Augmentation (Amendment 1 and 2)	Jacobs			
			O&M Phase 2 (Amendment 1)	Jacobs			
			O&M Phase 2 (Amendment 2)	Jacobs			

• PPL	• Description	• Status Change Quarter Ending December 31, 2024	• Task Order(s) Quarter Ending December 31, 2024		• Summary of Work Quarter Ending December 31, 2024 •	• Summary of Delays Encountered	• Projection of Work Quarter Ending March 31, 2025 •
			O&M Phase 3	Jacobs	Worked with JXN Water and others to support the optimization of storage and distribution while maintaining water age and water quality. • Completed structural repairs on membrane train 3. • Completed Highway 18 Ground Storage Tank repair and tank is back in service. • Cleaned out OB Curtis Gravity Thickeners. • Reviewed potential sites for new well.		radiological & VOC sampling frequency. • Install new membrane fibers in Trains 1 and 3. • Continue scheduling distribution tank inspections. • Continue supporting JXN Water Academy with classroom modules & plant tours. • Contact landowners for potential sites for a new well.
2	Winterization	Project construction is completed.	OBC Winterization Project – Construction Contract OBC Winterization Project – Final Reconciliation Change Order OBC Membrane Building – Construction Contract	Hemphill	Winterization Project construction is completed. Administrative project closeout. Membrane Building Project construction is completed. Administrative project closeout.	Delays related to the CO2 Tank pad location and decision on soda ash and dehumidification scope of work impacted project completion date.	Winterization Project construction is completed. Administrative project closeout. Membrane Building Project construction is completed. Administrative project closeout.

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3	Corrosion Control - JHF CO ₂ Chemical Feed Equipment Project Construction	JHF CO ₂ Chemical Feed Equipment Project Construction Project construction is completed.	JHF CO ₂ Chemical Feed Equipment Project Construction JHF CO ₂ Chemical Feed Equipment Project Construction Contract JHF CO ₂ Chemical Feed Equipment Project – Change Order #1 – Water Line Repair and Isolation JHF CO ₂ Chemical Feed Equipment Project – Change Order #2 - Sump Pumps at Lime Silo Containment Area JHF CO ₂ Chemical Feed Equipment Project – Change Order #3 - Transformer Deletion and CO ₂ Tank Orientation Change JHF Corrosion Control -Site Paving and Storm Drainage Improvements – Change Order #4 JHF Corrosion Control - Final Reconciliation Change Order – Change Order #5	Hemphill	JHF CO₂ Chemical Feed Equipment Project Construction Project construction is completed. Administrative project closeout.	JHF CO₂ Chemical Feed Equipment Project Construction Equipment procurement delays have added 27 days per Change Orders 1, 2, and 3.	JHF CO₂ Chemical Feed Equipment Project Construction Project construction is completed.
3	Corrosion Control – OBC Liquid Lime	Consultant progressing work status	Corrosion Control – OBC Liquid Lime Modification and Redesign of the Liquid Lime and Carbon Dioxide System to Optimal Corrosion Control Treatment at OBC – (Task Order #7) Supplemental Agreement 01 – OBC Chemical Feed - Preconstruction Services	Jacobs	Corrosion Control – OBC Liquid Lime Initiated construction.	Corrosion Control – OBC Liquid Lime	Support construction.
5a	Distribution Plan for EPA Review and Approval	Completed plan and submitted to JXN Water.	N/A – Plan included in already existing Task Orders for distribution work	Stantec / Jacobs	No action this period.	None.	Continue to advance efforts outlined in the submitted plan.

5ai.1	Hydraulic Model System Analysis	Consultant progressing work.	Development of data analysis, hydraulic modelling, and alternative analysis.	Stantec	Data Collection Continued gathering data for hydraulic model development as data becomes available. Stantec installed new pressure loggers and relocated the existing loggers to an underground tap. There are a total of 50 loggers. There are 4 units to be reinstalled after repair. Stantec continued analyzing data and identified data gaps and technical issues with the LEC/IQ2 platform. Stantec downloaded the data from the platform weekly and imported it into a spreadsheet for ease of reviewing. Hydraulic Modelling Completed model build and calibration of the all-pipe model. All-Pipe Model Calibration technical memorandum (TM) will be submitted to JXN Water in January 2025. This TM discusses the all-pipe model build and model calibration. South Jackson Alternative Analysis None this period. This task was closed and will be tracked under Task Order 20 Master Plan Tank Analysis Stantec submitted the Tank Survey TM on September 25, 2024. The TM summarizes the drone survey results and identifying discrepancies between existing data and survey. Model Analysis The following model analyses were performed or are in progress: Merit Health pipe alignment and sizing, PCCP inspections, future groundwater wells pipeline capacity and JH Fewell Offline. Surge Analysis Stantec submitted the Hydraulic Transient Analysis TM to JXN Water on October 29, 2024, and presented the results on November 6, 2024. Stantec and Jacobs are developing a plan to execute some of the recommendations presented in the TM and reduce transient events in the distribution system.	None.	Continue collecting, documenting, and analysing data for hydraulic model development and perform model validations as needed after major operational changes in the field. Continue performing model analyses as requested by JXN Water or the design team. Delivery of All-Pipe Model Calibration TM.
5ai.2	Master Plan	Consultant progressing work	Development of a Water Masterplan	Stantec / Jacobs	Evaluated existing system. Completed Draft Existing System Analysis TM	None.	Present existing system findings to JXN Water

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							Submit Draft Existing System Analysis TM Evaluate future modeling scenarios. Evaluate impacts and infrastructure needs for removal of JH Fewell Water Treatment Plant.
5ai.3	Water Loss Investigations Pilot Studies				A total of four vendors completed leak detection studies of the pilot areas. Each vendor submitted a draft summary of their findings. Two reports required additional information from the vendors. Global Positioning System (GPS) data for the Global Information System (GIS) was collected for all locations of leaks identified by the vendors. Mississippi 811 locates were completed for four locations. Ace Pipe (contractor) will hydro-excavate the four locations to determine if leaks are present. If leaks are found, Stantec will work with JXN water and their repair contractor (Wicker Construction) to complete the repairs.	None	Submit an addendum for the proposed leak detection program. Complete necessary contracts for support services. Initiate the leak detection program. Start data analysis and workplan development for the leak detection program. Draft Leak Detection Pilot Project report and recommendations to be submitted.
5.a.ii	Valve and Hydrant Assessment	Consultant engaged and progressing work		Xylem/Wachs	Continued assessing valve condition in areas of concern. Completed the following repairs and field activities: • Valves fully exercised: 1,118 (6,497 Cumulative) • Op nut repairs: 8 (59 cumulative) • Uncovered: 489 (1,226 cumulative) • Frozen repaired: 0 (11 cumulative) • Position changed: 85 (762 cumulative) • Hydrants: 67 (1921 cumulative) • Leak Loggers Installed: 0 (23 cumulative)	8.2 Days were delayed due to Equipment Issues 4.0 Days were delayed due to unplanned PTO or call out of work. 6.9 Days were delayed due to inclement weather. 4.3 days were delayed due to Truck issues. 8.1 days were delayed due to mandatory training	Continue transmission main assessments and repair activities focusing on South Jackson. Begin ARV Assessments in South Jackson Begin the Hydrant Painting

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5a.ii.1	Altitude Valve Assessment	TO 07 included scope and budget to perform field assessment of the altitude valves in the water distribution system	Assessment of altitude valves within the distribution system	Stantec	All site visits and initial assessments are complete. Altitude valves requiring replacement have been identified. The project to replace the non-working altitude valves is included in the approved facilities update.	None	Develop construction documents and bid specifications for the altitude valves listed as needing to be replaced. The anticipated bid is in Q2 2025.
5a.ii.2	Management of Leak Detection and Mapping Services	Consultant progressing work.	Management of Leak Detection Services, GIS Mapping, and Field Support Services	Stantec / Wachs Water			Continue transmission main assessments and repair activities during the next quarter. Continue assessing the entire distribution system valves and hydrants and perform needed hydrant flow tests. Initiate the hydrant painting program.
5a.ii.3	Valve Repair and Replacement	Draft Bid Package Awaiting SRF Funding availability	Replacement of inoperable valves	Stantec / Wachs Water	Stantec is working with a condition assessment team (Wachs) to identify replacements. Stantec prepared preliminary bid packages to replace valves assessed as non-operational valves throughout the water system. Non-operational valves continue to be replaced as emergency projects as needed.	Condition Assessment Completion SRF Funding Facilities Plan to be approved before projects can be bid on.	JXN Water to publicly bid projects and award contractor(s). Anticipate non-emergency valve replacements to begin once SRF has been allocated.
5a.ii.4	Hydrant Replacements	Draft Bid Package Awaiting SRF Funding availability	Replacement of inoperable fire hydrants	Stantec / Wachs Water	Stantec is working with a condition assessment team (Wachs) to identify replacements. Stantec has prepared preliminary bid packages to replace hydrants assessed as non-operational throughout the water system. Non-operational hydrants have been replaced as emergency projects as needed.	Condition Assessment Completion SRF Facilities Plan to be approved before projects can be bid on.	JXN Water to publicly bid projects and award contractor(s). Anticipate non-emergency hydrant replacements to begin once SRF has been allocated.

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5a.ii.5	Water Taps	Consultant progressing work	Provide administrative support and construction management for new water taps as directed by JXN Water staff.	Stantec	Details of the completed / ongoing activities: • New water tap requests – 38. • New sewer tap requests - 6. • New water meter downsize requests – 12. • 85 water tap installations in progress	None	The administration services and construction management are ongoing as new applications for water taps are received
5a.iii.1	Development of Comprehensive GIS Map to support Hydraulic Modeling / Other Activities	Consultant completed mapping effort.	Technical management of GIS system map to support hydraulic modeling, the hydrant, valve and flushing / flow testing program, and operations and maintenance activities	Stantec	Task Order complete.	None	
5a.iii.2	GIS Field Data collection and mapping services	Consultant completed GIS Field Data collection effort.	Technical management of GIS field data collection	Stantec / JXN Water	Task Order complete.	None	
5a.iii.3	GIS Data Integration	Consultant Progressing Work	Support data integration to the GIS utility network database (UN) from on-going and completed activities that created new spatial data or have asset locations that are captured in the GIS.	Stantec	Completed digitizing and georeferencing 'scrolls.' Published a tile layer for use as a reference layer. Integrated small diameter repair information from TO4 Pilot work. Completed integration of Fortification construction data to UN database. Completed modeling-based data integration (attributes) into UN database. Continued Support of TO5 data integration – completed Cartegraph data backlog and process any new asset management (AM) entries. Reviewed Raken software logs daily construction reports for any viable GIS data	None	Support CDO with data migration to JXN Water Enterprise database. Support creation and migration of existing maps and apps to JXN new enterprise environment. Support sewer data migration to an enterprise geodatabase and utility network model. Continue support of Cartegraph data integration to GIS

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5.a.iv	Distribution System Leaks – Find and Fix	Consultant progressing work.	Management of Leak Detection and Repair Program	IMS	Evaluated backlog of known leaks (focus on pipe diameters 6 inches and smaller). Performed drive by (visual) Leak Detection Survey of all roads in the JXN Water service area. Performed real time leak detection identification and issued Work Orders to Contractors. Inspection of Utility Cut Operations Provided Summary Update of program progress. Provided Quarterly Update of Program progress.	None	Continue to progress project and issue repair work orders. Continue real-time leak detection identification. Continue PM Field Related Activity
5aiv.1	Water Distribution – Asset Information	Consultant Progressing Work	Development of Asset Management system to support operations activities.	Stantec	Completed scanning scrolls and provided historical documents in GIS. Complete TM for methodology for calculating BRE for water distribution assets and processes to keep the data identified for asset risk populated. Onboarding a subconsultant, Micro Blueprint to scan historical utility documents known as “scrolls.” Documented asset definitions and asset hierarchy for water distribution. Selected of ROK Technologies as IT Vendor to host JXN Water GIS system architecture and facilitated kick-off meeting.	None	Continue development of workflows with GIS to create a continuous asset information update cycle. Complete TM determining likelihood of failure (LOF) for Risk utilizing condition data.
5aiv.2	Water Distribution - Cartegraph – Post Go Live Support	Consultant Progressing Work	Information and Asset Management Addendum 02	Stantec	Rolled out Cartegraph to inspectors and maintenance contractors including piping, pavement, and meters. Enhanced data collection features in Cartegraph. Continued discovery of business processes for water meter processes and building an application programming interface (API) to support billing and operations within Cartegraph	None	Enhance data collection features in Cartegraph. Implement and support Cartegraph Go-Live with water meters.

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5aiv.3	Sewer Collection Asset Information	Consultant Progressing Work	Information and Asset Management Addendum 01	Stantec	Optimizing Cartegraph configuration for sewer collection. Began configuring Cartegraph for sewer collection. Trained JXN staff on editing UN; Implemented method incorporating sewer GIS data into the UN and began migration. Implemented call center in workflow for new business process	None	Establish processes for continued improvement and troubleshooting with staff and consultants to support Cartegraph. Complete GIS Sewer Data into the UN.
5av.1	Management of Leak Detection and Repair Program	Consultant Progressing Work	Management of day-to-day water maintenance and Repair of Water System Leaks	Stantec	Stantec provides initial triage of new water leaks and provides management and inspection services associated with the repair of water system leaks for JXN Water. Stantec is working with IMS Consulting to provide onsite assistance with safety and QA/QC of the work being performed.	None	Continue to provide management and inspection services.
5.a.v.2	Management of Identification and Repair of Major Water System Leaks	Consultant progressing work.	Management of Identification and Repair of Major Water System Leaks	Stantec	48-inch main break on former Colonial Country Club Project complete.	None	Project complete.
					48-inch ARV leak on East Beasley Road ARV Installed and tested	N/A	Project will be closed out this quarter.
					30-inch main break crossing Town Creek at Fortification and Prentiss Streets Project construction is nearly complete. Waterline installed and in-service.	Contractor availability to complete due to other emergency work	Anticipate repairs to complete end of December 2024.
					20-inch break on railroad easement south of Fortification Street – The bore under the railroad is complete with installation of casing, pipe installed and operational. Minor remaining work needed to fully complete the project.	Contractor availability to complete due to other emergency work	Pipeline replacement is anticipated to be completed in Q1 2025.
					Pipe and Valve Replacement @ Intersection of Prentiss and Fortification Pipe installed, tested, and tied in. Final paving and restoration completed.	N/A	Project will be closed out this quarter.

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					Northside Dr 24-inch Valve Replacement and Chastain Dr. Valve Replacements Two new valves and associated piping were installed, and the site has been restored.	N/A	Project will be closed out this quarter.
					20-inch Pipe Replacement Emergency (Fortification – Palmyra to Prentiss) Pipe installed, tested, and tied in.	N/A	Project will be closed out this quarter.
					20-inch Pipe Replacement Design (Fortification – Prentiss to I-220) Stantec is working on 100% design to replace pipeline. Potholing is on-going and near completion.	Railroad easement access permissions and permits need to be obtained. SRF Facilities Plan to be approved before project can be bid on.	Continue to work with Railroad for easement access permissions and permits. Project design completion is anticipated by January 2025.
					30-inch Pipe Design (Gallatin & McDowell) Stantec is working on 100% design to replace pipeline. Stantec submitted a permit to bore across MDOT ROW along Gallatin and is coordinating with MDOT on review and approval.	Railroad easement access permissions and permits need to be obtained. New easements may be required to be obtained for RR Crossing. SRF Facilities Plan to be approved before project can be bid on.	Complete design for public bidding and procure Contractor. Anticipate repairs to begin March/April 2025.
					20-inch Pipe Design (Siwell Rd - McClure St to Terry Rd) Site survey completed. Stantec completed preliminary alignment and potholing plan. Stantec working with condition assessment vendor to define scope and cost.	SRF Facilities Plan to be approved before projects can be bid on. Project on hold due to JXN Water request to complete condition assessment prior to final design.	Complete design and specifications for public bidding and procure Contractor. Anticipate repairs to begin June 2025.
					30-inch Pipe Design (West St and Rankin Rd) Site survey and geotechnical investigations completed. Stantec preparing preliminary alignment and potholing plan. Cathodic protection study may be required to determine risk of alternating current interference in cathodic protection design.	Railroad easement access permissions and permits need to be obtained. SRF Facilities Plan to be approved before project can be bid on. Easement research required to move Cre crossing outside of right of way.	Complete design for public bidding and procure contractor. Anticipate design completion by June 2025.

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					Merit Hospital Fire Line Connection Pipeline Design (Project No. 2309) - 5 Percent Survey/potholing completed. Preliminary alignment completed. Completed hydraulic analysis to determine pipe size and alignment. Current alignment to be extended. Additional survey required to extend pipeline alignment	SRF Funding Facilities Plan to be approved before projects can be bid on. Pipeline alignment to be extended based on results of hydraulic analysis.	Complete design for public bid by March/April 2025.
5av.3	Sample Tap / Station Replacements	Construction Ongoing	Replacement of existing sampling stations	Stantec	The contractor has completed the sample station installations.	None.	Complete the final inspections and closeout the project
5avi.1	Develop Standard Details & Specifications for 2-Inch Water Main Replacement Pilot Project	Construction Complete	Construction completed	Stantec	Pilot project – Construction complete, as built plans given to JXN Water, project will be closed.	Construction Complete .	Project will be closed out this quarter.
5avi.2	Small Diameter Replacements	Design On-going	Replacement of small diameter pipelines with 6-8-inch diameter pipelines	Stantec	Choctaw Village Water & Sewer Replacement Design (Project No. 2310) 100% Design completed and reviewed.	SRF Facilities Plan to be approved before projects can be bid on. Sewer replacements reviewed and removed from the project.	Complete design and publicly bid Choctaw Village (pending SRF).
					Broadmoor Area Water & Sewer Replacement Design (Project No. 2311) - 1 percent Stantec is preparing design scope and fee. Not a contracted project yet. Potholing completed to confirm line size and location.	SRF Facilities Plan to be approved before project can be bid on.	Anticipate project NTP on design work in Q1 2025.
					Brown Street Water & Sewer Replacement Design (Project No. 2312) Stantec is preparing design scope and fee. Not a contracted project yet. Potholing completed to confirm line size and location. Utility research ongoing.	SRF Facilities Plan to be approved before project can be bid on.	Anticipate project NTP on design work in Q1 2025.

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					East Oak Forest/Emerald Hills/Emerald Acres Water & Sewer Replacement Design (Project No. 2322) Stantec is preparing design scope and fee. Not a contracted project yet. Potholing completed to confirm line size and location. Utility research ongoing.	SRF Facilities Plan to be approved before project can be bid on.	Anticipate project NTP on design work in Q1 2025.
					Oakdale Water & Sewer Replacement Design (Project No. 2323) Stantec is preparing design scope and fee. Not a contracted project yet. Potholing completed to confirm line size and location. Utility research ongoing.	SRF Facilities Plan to be approved before project can be bid on.	Anticipate project NTP on design work in Q1 2025.
					Westside Park Water & Sewer Replacement Design (Project No. 2327) Stantec is preparing design scope and fee. Not a contracted project yet. Potholing completed to confirm line size and location. Utility research ongoing.	SRF Facilities Plan to be approved before project can be bid on.	Anticipate project NTP on design work in Q1 2025.
					Surface Restoration Projects Water & Sewer Replacement Design (Project No. 2328) Stantec is preparing design scope and fee. Not a contracted project yet. Potholing completed to confirm line size and location.	SRF Facilities Plan to be approved before project can be bid on.	Anticipate project NTP on design work in Q1 2025.
					Briarwood Water & Sewer Replacement Design (Project No. 2329) Stantec is preparing design scope and fee. Not a contracted project yet. Potholing completed to confirm line size and location. Utility research ongoing.	SRF Facilities Plan to be approved before project can be bid on.	Anticipate project NTP on design work in Q1 2025.

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					Canton Heights Road & North Colony Water & Sewer Replacement Design (Project No. 2330) Stantec is preparing design scope and fee. Not a contracted project yet. Potholing completed to confirm line size and location. Utility research ongoing.	SRF Facilities Plan to be approved before project can be bid on.	Anticipate project NTP on design work in Q1 2025.

5avii.1	Lead Service Line Inventory	Consultant progressing work.	Management and field services in detecting and inventorying of lead service lines. Inventory development and predictive modelling. Planning and performing lead or galvanized service line replacements.	Stantec / Ace Pipe Cleaning / BlueConduit / Jacobs / Wicker	Coordination meetings with Blue Conduit (predictive modelling), Ace Pipe Cleaning (potholing contractor), HDR (public relations), and Jacobs (water quality testing). Bi-weekly Lead Program Compliance meetings were held between JXN Water, Jacobs, and HDR. Meeting with MSDH was held. The on-time Initial inventory setup submittal was completed in accordance with the LCRR. The initial public facing webmap in accordance with the Lead and Copper Replacement Rule (LCRR), post inventory requirement was completed. Stantec is working with Jacobs and JXN Public Relations team on improvements intended to streamline the webmap. Replacement of galvanized service lines at two of three Jackson Public Schools were completed with no excursions. The third school is planned to be completed in the first QTR of 2025. A private-side galvanized service line replacement was completed at 814 N. President Street. This replacement was a Galvanized Requiring Replacement (GRR) under the LCRR as it was downstream of a lead connector/gooseneck. Six lead gooseneck/connector or public-side lead lines were found during this period. Three of these were found to be abandoned in place. The remaining three were found to be the public-side only, and no galvanized was found downstream of these. All three public sides were replaced from the water main to the water meter. Each of the three locations were provided post replacement notices and lead-free pitchers. Potholing of one-hundred additional locations was commenced to further calibrate the predictive model. This information will be utilized in future model runs as potholing will extend well beyond the initial inventory submittal requirement of 16 October 2024. Potholing of residences on Brown Street were completed. This follows the finding in early 2024	None	Initiate potholing inspections of 417 new pothole locations to mee the requirements for development of a predictive model for the groundwater system and continue calibration of the surface water model. Continue lead or galvanized service line replacements, if encountered. Submit addendum to initiate work on the Lead and Copper Rule Improvements (LCRI). Identify necessary operations and maintenance tasks and supporting procedures and documentation to meet the LCRI requirements. Continuing stakeholder meetings.
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					of lead connectors, connecting a six-inch water main to a 2-inch galvanized water main. Field investigation determined all residences on Brown Street were supplied from the two-inch galvanized water main. No lead goosenecks or lead public side services were found.		
5aviii.1	Ongoing Construction Owners Representative	Consultant progressing work	Oversight over two projects: Riverside Drive Improvements, and 48-in transmission line installation.	Stantec	The final tie-in at Riverpark Dr. for the 48” water line is complete. The water line is in service. The new 36-in water line on Riverside is completed and in service, all hardscape restoration is complete.	None.	Decommissioning of existing lines. Complete the paving and hardscape restoration. Commissioning and closeout of the completed portion of the 48-in transmission main expected Q1 2025. Design changes to the original 48-in water line route are being considered by the design team.
5aviii.2	Rate Modeling Support	Consultant progressing work.	Technical support in the analysis, development, and implementation of new water rates.	Stantec	Updated rate modeling with latest billing data refined by Horne & BOSS team. Responded to client questions regarding updated revenue projections.	None.	Support further development of draft rate design summary for JXN Water, and updates to billed revenue estimation, as appropriate.
5aviii.3	Bid Standards and PreQual Support	Consultant progressing work.	Support JXN Water in identifying and setting up an online bidding system	Stantec	JXN Water contracted with the recommended bidding/prequalification service, PlanetBids.	None.	None. Task will be closed in the next quarter.
5aviii.4	Water Meter Install Verification	Consultant progressing work	Field verification of all Kamstrup meters including sub-foot GPS location, serial number, and photos.	Stantec/ ACE	Stantec field crews began work to reconcile inaccessible meters and necessary photo reshoots from first pass (8,396). Total verified meters pending QC process with 7 days of work remaining: 54,160 / 61,505 Stantec completed the remaining 8,396 photo reshoots. ACE completed commercial meter verification (123 meters)	None.	Delivery of completed first pass data search. Complete second pass field verification by Stantec field crews Complete commercial meter field verification.

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5aviii.5	SRF and Facilities Plan Support	Mississippi Department of Health to issue a FONSI (Finding of No Significant Impact) 30-day public comment period on FONSI	Preparing applications for projects once Facility Plan is approved	Stantec / Benchmark	Preparing applications for projects once Facility Plan is approved.	None.	Submit applications for priority needs outlined in Facility Plan.
5.a.ix	Corrosion Control Renewal	Consultant progressing work.	Review of Designs and Related Studies (Task Order #7) Corrosion Control Desktop Study (Task Order #5) Corrosion Control Desktop Study (Task Order #5 Amendment #1)	Jacobs	Corrosion Control Desktop Study has been issued.	Desk-top study: No additional delays beyond those outlined in prior quarterly report pertaining to lack of available historical data and required efforts for data collection and sampling delays due to security issues in the field.	Desktop Study completed.
		Initiated work. Issued task order to consultant	Third Party Review of Corrosion Control Desktop Assessment (Task Order #4)	HDR	Completed a final review of Jacob's corrosion control desktop assessment. Attended a virtual meeting with Jacobs and JXN Water to review HDR comments.	None	Task completed.
6	System Stabilization & Sustainability Plan – Water Treatment Plants, Wells, and Tanks Capital Improvement Plan	Consultant progressing work.	None, initial planning work progressing under existing task order.	Jacobs	JHF Conversion Project placed on hold to allow Stantec system modelling and results to inform path forward. Finalized recommendations on potable well sites.	None.	Restart and complete first phase of assessment for JHF conversion to Pump Station. Initiate due diligence on potable well sites.
7	SCADA Improvements	Consultant progressing work.	SCADA, Operational Technology and Cybersecurity Schematic Design (PSA Task Order #6).	Jacobs	Finalized design and coordinated with CMAR for bid packaging strategy. Sent to MSDH and JXN Water for review.	None.	Receive MSDH technical approval. Initiate CMAR bidding process.

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8, 9	OBC and JHF Chemical Feed Improvements (including Chlorine System Replacement at OBC)	Consultant progressing work	Replacement of OB Curtis Chemical Feed Building System – Basis of Design Replacement of OB Curtis Chemical Feed Building System Change Order #2 - Survey and subsurface utility evaluation (SUE) will be required. The additional effort includes the following items: complete topographic, planimetric and Level C SUE of the entire OB Curtis WTP site. Replacement of OB Curtis Chemical Feed Building System Change Order #3 - Incorporation of additional geotechnical borings and geotechnical report to support design of chemical feed systems. Task Order #1 Amendment #1 – Continue design through final design, including CMAR construction document production. Both chlorination system and ammonia system included in the design project	HDR	Assisted Jacobs, JXN Water, and CMAR on submittals, RFIs, etc. Supported Jacobs and JXN Water on SRF compliance documentation. Initiated steps to assign De Nora contract.	There were a few miscellaneous items added between 90% - 100% design. These additional items impacted the project deliverable by one week and impacted the project budget. These additional scope items are: 1. Replacement of the Raw Water Pump Station (RWPS) local control panels. 2. Routing fluoride piping over Clearwell Nos. 1 and 2. 3. Spare motors added to critical ventilation fans in the Chemical Building. 4. Revise electrical duct bank routing to avoid future lime facility conflicts. 5. Requested coordination meetings by Jacobs to accommodate future lime piping. HDR is currently revising trench layout and design to accommodate future piping.	Continue construction administration support services (review shop drawings, field orders, requests for information, etc.) Assign the De Nora contract to the CMAR.
11	Performance Evaluation and Redundancy Plant Treatment Processes Restoration	Subject work completed.	Operations Evaluation at OBC and JHF – Phase 1 (MSA Task Order #3) Condition Assessment at OBC – Phase 1 (MSA Task Order #2)	Jacobs Jacobs	Phase1 complete in Q1 2023.	None.	None. Completed.

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11	Source Water Quality/Treatability Characterization Study (OBC and Barnett Reservoir)	Consultant progressing work.	OBC Raw Water Characterization and Treatability Study (Task Order #6) Process Hydraulic Assessments at OBC and JHF and JHF and OBC Raw Water Characterization and Treatability Study (Amendment 1)	Jacobs	None. Completed.	None.	None. Completed.
11.a, g	OBC Filter Conventional and Membrane	Contractor progressing work.	Filter Rehabilitation Contract for OBC OBC Filter Rehabilitation – Change Order #1 - Valve and Actuator Manufacturer Change and Sediment Basin Drain Line Scope Reduction OBC Filter Rehabilitation – Change Order #2 -Incorporation of ARPA Language	Hemphill	Completed all valve replacement at the filter gallery. New Lighting has been installed throughout the pipe gallery.	Awaiting material delivery to complete filter 5 and start filters 1-4 and 6.	Complete underdrain and filter media replacement of filter 5.
11.g	JHF Filters	Project construction is completed.	JHF Filters 24 and 26 Contract JHF Filters 24 and 26 Change Order # 1 – Concrete Crack and Leak Repair JHF Filters 24 and 26 Change Order # 2 – Filter to Waste Tie-in to Waste Gullet and 30-in Backwash Valve Replacement JHF Filters 24 and 26 Change Order # 3 – Final Reconciliation Change Order	Hemphill	Project construction is complete.	Change Order 01 and 02 added 89 days to the contract.	Project construction is complete.
11.j	OBC High Service Pump VFD	Consultant progressing work.	Engineering/Design Support and Existing Contract Redesign Services (Task Order #4)	Jacobs	Project suspended.	None.	Project suspended.

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12	Sludge Assessment at Finished Water Storage Facilities	Consultant progressing work.	Engineering/Design Support and Existing Contract Redesign Services (Task Order #4)	Jacobs	Assessments completed.	Delays encountered prior to June 2024 due to operational reliability and resiliency to allow for inspection.	Assessments completed. Implement all recommendations and coordinate activities with upcoming construction projects.
13	OBC Electrical Resiliency and Reliability Evaluation	Initiated work. Issued task order to consultant	OB Curtis WTP Electrical System Reliability & Resiliency Evaluation (Task Order #3)	HDR	Kicked off the design phase. Held a meeting with JXN Water, Jacobs, and CMAR to discuss preliminary site layouts and generator options.	None.	Continue progressing the design to 60% design. Develop early equipment procurement specifications for generator, transformer, and switchgear.
Other	Plant Operations Program Management	Consultant progressing work.	Jackson Water Program Management Support (Task Order #2) Jackson Water Program Management Support (Task Order #2 Amendment #1) Jackson Water Program Management Support (Phase 3)	Jacobs	Implemented construction phase tools and processes. Continued managing delivery of services according to established processes and tools. Continued to improve processes and tools as needed to increase delivery efficiency. Managed and administered construction phase services. Continued updates of schedules, progress reports and dashboard. Continued communications support and coordination with JXN Water. Task Order 2 completed. Future Program Management Services scope and contracted under new Phase III contract.	None.	Continue to support program.
Other	Forrest Hill Surface to Well Conversion	Subject work completed.	Engineering/Design Support and Existing Contract Redesign Services (Task Order #4)	Jacobs	Completed report.	None.	None.

Other	Strategic Communications Implementation and Creative Support	Consultant progressing work	Visual Strategy Social Media Management Website Management Video Updates As Needed Support, Advising and Consultation	HDR	• Coordination with Jacobs on LCRR program management, including creative services support for communication deliverables, including action level postcards, inventory and begin toolkit. ○ Designed new LCRR Education page and school and daycare pages. • Produced videos ○ September: How to Pay Your Water Bill, Creating a JXN Water Account, Delivered two broadcast cutdowns – Ways to Pay and Neighborly Tips ○ November: YouTube Trailer, JXN Timeline Highlights, Delivered broadcast cutdown on YouTube trailer. ○ December: Winterization and Seasons Greetings, Create 3 Cutdowns of Timeline Video • Performed management of the JXN Water YouTube page • Design Support with Quarterly Public Meeting • Implementation of the communication strategy. • Managed social media support for construction/emergency posts, boil water notices and lifts, and JXNWater.com content updates (Boil water lifts and notices). • Supported communication, strategy, messaging, talking points and public education/engagement. • Created and delivered digital content and creative graphics to support on all social platforms.	None	Complete LCRR program toolkit, website design and as needed custom creative support. Support earned, owned, shared and paid media campaigns. Produce and submit community update and educational videos. Continue YouTube platform management. Provide as-needed creative material support.
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					• Provided as-needed communications and graphic design support. • Created expanded weekly digest reports for comments and media mentions. • Finalized, submitted, and provided print support for the winter newsletter.		
Other	Construction Management Services for OBC and JHF	Consultant progressing work.	Construction Management Services for OBC Winterization and JHF Corrosion Control (Task Order #7) Amendment #1 to Construction Management Services (Task Order#7) General Construction Management Services (Task Order #3) Construction Management Services (Task Order 15)	Jacobs	Provided ongoing construction management services throughout the quarter for the OBC Filter Rehabilitation project and initiated construction efforts related to major projects - OBC Liquid Lime, OBC Chemical Feed Repair, and OBC Sedimentation/Flocculation Improvement Projects. Executed Task Order 15 for next phase of CM services support.	None.	Continue to support startup of major construction projects - OBC Liquid Lime, OBC Chemical Feed Repair, and OBC Sedimentation/Flocculation Improvement Projects. Support the coordination and sequencing of these projects with OBC WTP ongoing operations. Initiate GMP for SCADA System Improvements Project.

Notes:

ARV = air release valve
BIM = Building Information Modeling
BODR = Basis of Design Report
CIP = Capital Improvement Plan
CMAR = Construction Manager at Risk
CMMS = Computerized Maintenance Management System
CO₂ = carbon dioxide
GIS = Geographic Information System

GMP = Guaranteed Maximum Price
MSDH = Mississippi State Department of Health
NTP = Notice to Proceed
O&M = operations and maintenance
P&ID = piping and instrumentation diagram
QA/QC – quality assurance/quality control
RR = Railroad

SCADA = supervisory control and data acquisition
SOP = standard operating procedure
SRF = State Revolving Fund
TM = technical memorandum(s)
VFD = Variable Frequency Drive
WCD – Work Change Directive
WTP = Water Treatment Plant

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