



# Great Lakes Water Authority

Key Performance Indicators and  
Effective Utility Management (EUM) Metrics

November 8, 2023

# Ten Attributes of Effectively Managed Water Sector Utilities (EUM)



| Attribute                                      | Attribute Components  |
|--|---|
| <b>Employee and Leadership Development</b>     | Recruits and retains a workforce that is competent, motivated, adaptive, and safety-focused. Establishes a participatory, collaborative organization dedicated to continual learning, improvement, and innovation. Ensures employee institutional knowledge is retained, transferred, and improved upon over time. Provides a focus on and emphasizes opportunities for professional and leadership development, taking into account the differing needs and expectations of a multi-generational workforce and for resource recovery facilities. Establishes an integrated and well-coordinated senior leadership team.  |
| <b>Operational Optimization</b>                | Ensures ongoing, timely, cost-effective, reliable, and sustainable performance improvements in all facets of its operations in service to public health and environmental protection. Makes effective use of data from automated and smart systems, and learns from performance monitoring. Minimizes resource use, loss, and impacts from day-to-day operations, and reduces all forms of waste. Maintains awareness of information and operational technology developments to anticipate and support timely adoption of improvements.   |
| <b>Financial Viability</b>                     | Understands the full life-cycle cost of utility operations and value of water resources. Establishes and maintains an effective balance between long-term debt, asset values, operations and maintenance expenditures, and operating revenues. Establishes predictable rates—consistent with community expectations and acceptability—adequate to recover costs, provide for reserves, maintain support from bond rating agencies, plan and invest for future needs, and taking into account the needs of disadvantaged households. Implements sound strategies for collecting customer payments. Understands the opportunities available to diversify revenues and raise capital through adoption of new business models.  |
| <b>Infrastructure Strategy and Performance</b> | Understands the condition of and costs associated with critical infrastructure assets. Plans infrastructure investments consistent with anticipated growth, system reliability goals, and relevant community priorities, building in flexibility for evolution in technology and materials, and uncertainty in the overall future operating context (e.g., climate impacts, customer base). Maintains and enhances the condition of all assets over the long-term at the lowest possible life-cycle cost and acceptable risk consistent with customer, community, and regulator-supported service levels. Assures asset repair, rehabilitation, and replacement efforts are coordinated within the community to minimize disruptions and other negative consequences. |
| <b>Enterprise Resiliency</b>                   | Ensures utility leadership and staff work together internally, and with external partners, to anticipate, respond to, and avoid problems. Proactively identifies, assesses, establishes tolerance levels for, and effectively manages a full range of business risks (including interdependencies with other services and utilities, legal, regulatory, financial, environmental, safety, physical and cyber security, knowledge loss, and natural disaster-related) in a proactive way consistent with industry trends and system reliability goals.   |

# Ten Attributes of Effectively Managed Water Sector Utilities (EUM)



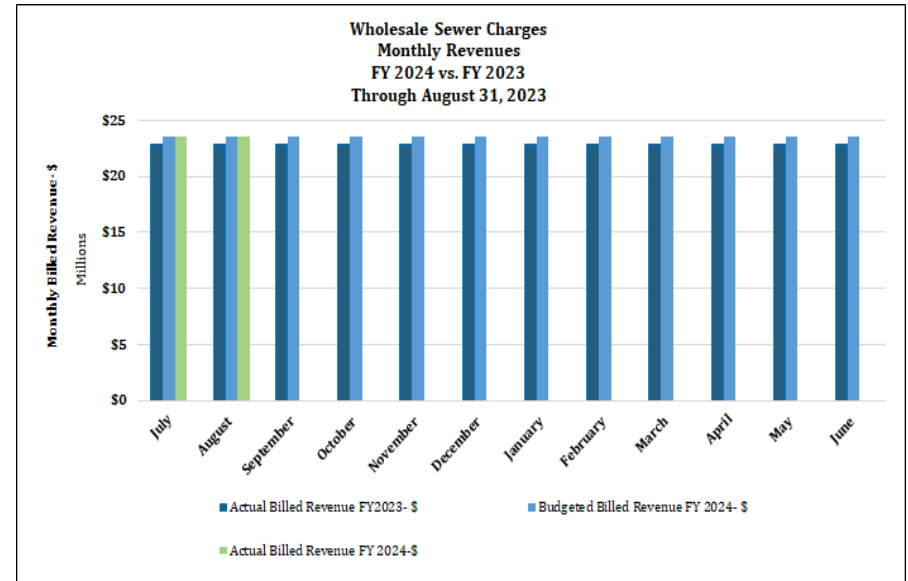
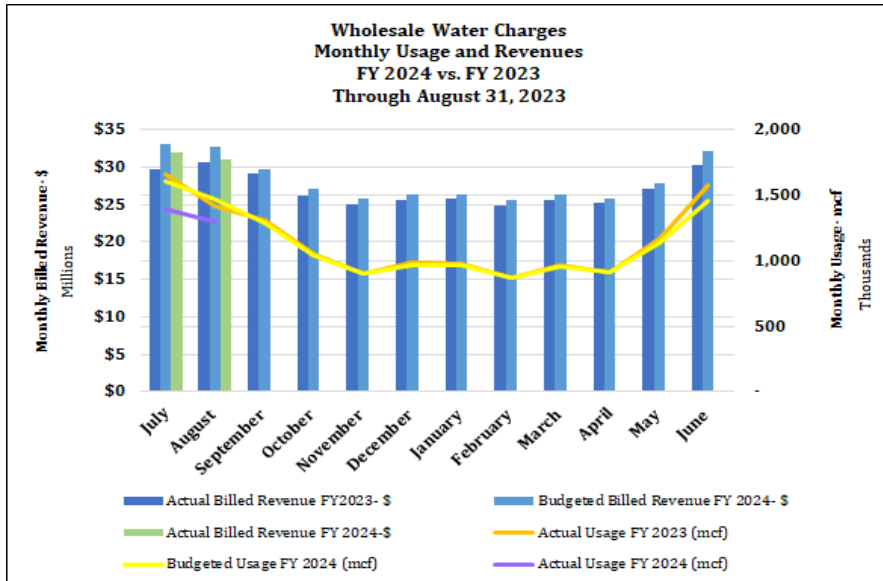
| Attribute                                    | Attribute Components  |
|--|---|
| <b>Product Quality</b>                       | Produces “fit for purpose” water that meets or exceeds full compliance with regulatory and reliability requirements and consistent with customer, public health, ecological, and economic needs. Products include treated drinking water, treated wastewater effluent, recycled water, storm water discharge, and recovered resources.  |
| <b>Customer Satisfaction</b>                 | Provides reliable, responsive, and affordable services in line with explicit, customer-derived service levels. Utilizes a mix of evolving communication technologies to understand and respond to customer needs and expectations, including receiving timely customer feedback and communicating during emergencies. Provides tailored customer service and outreach to traditional residential, commercial, and industrial customers, and understands and exercises as appropriate the opportunities presented by emergent customer groups (e.g., high strength waste producers, power companies).  |
| <b>Community Sustainability</b>              | Takes an active leadership role in promoting and organizing community sustainability improvements through collaboration with local partners (e.g., transportation departments, electrical utilities, planning departments, economic development organizations, watershed and source water protection groups). Manages operations, infrastructure, and investments to support the economic, environmental, and social health of its community. Integrates water resource management with other critical community infrastructure, social, and economic development planning to support community-wide resilience, sustainability, and livability to enhance overall water resource sustainability.   |
| <b>Water Resource Sustainability</b>         | Ensures the availability and sustainable management of water for its community and watershed, including water resource recovery. Understands its role in the complete water cycle, understands fit for purpose water reuse options, and integrates utility objectives and activities with other watershed managers and partners. Understands and plans for the potential for water resource variability (e.g., extreme events, such as drought and flooding), and utilizes as appropriate a full range of watershed investment and engagement strategies (e.g., Integrated Planning). Engages in long-term integrated water resource management, and ensures that current and future customer, community, and ecological water-related needs are met. |
| <b>Stakeholder Understanding and Support</b> | Engenders understanding and support from stakeholders (anyone who can affect or be affected by the utility), including customers, oversight bodies, community and watershed interests, and regulatory bodies for service levels, rate structures, operating budgets, capital improvement programs, and risk management decisions. Actively promotes an appreciation of the true value of water and water services, and water’s role in the social, economic, public, and environmental health of the community. Involves stakeholders in the decisions that will affect them, understands what it takes to operate as a “good neighbor,” and positions the utility as a critical asset to the community.  |

A dynamic splash of water in shades of blue, with bubbles and ripples, set against a light blue background. The water is captured in motion, creating a sense of freshness and movement.

# EUM Attribute: Financial Viability



# Financial Viability – Reliability of Wholesale Water and Sewer Revenue Projections



Wholesale Water System billed revenues for FY 2023 are at 93.8% of original, budgeted charge revenue and actual usage at 87.5% of original, budgeted usage through August 2023. This equates to a revenue shortfall of \$4.2 million. Billed revenue for FY 2024 was 4.6% lower compared to the same period in FY 2023.

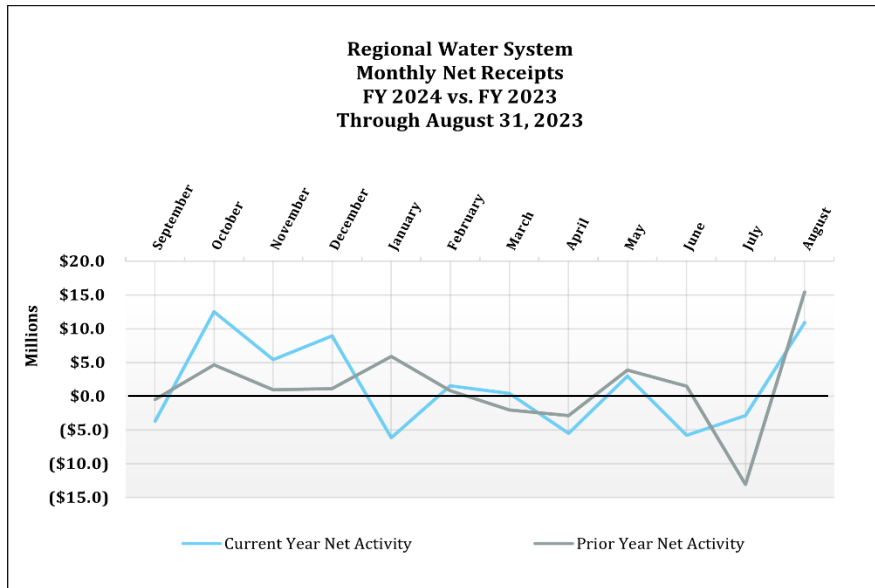
Wholesale Sewer System billed revenues for FY 2024 are at 100% of original budgeted charge revenue (based on the full fixed monthly charge) through August 2023. Billed revenue for FY 2024 was 2.7% higher compared to the same period in FY 2023.

**CEO Priority KPI Performance Criteria:** Water system wholesale monthly billed revenues will meet or exceed budgeted amount. (Green = 100%; Yellow= 90-99%; Red = <90%)

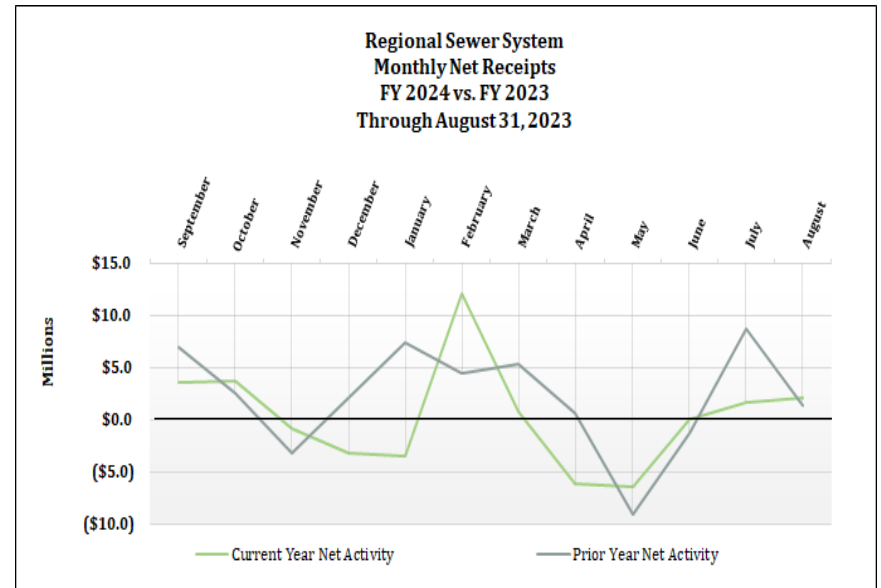
**Commentary:** This KPI is Red. Billed revenue for the month and year-to-date fell below targeted levels due to heavier than usual rainfall. GLWA staff continues to monitor this activity closely for consideration of first quarter FY 2024 budget amendments.

# Financial Viability – GLWA Regional System Net Receipts

*For the purposes of this reporting, Net Receipts equals cash collections less Master Bond Ordinance (MBO) disbursements. The black line in the charts below at zero highlights the minimum goal for net receipts. While this measure may vary monthly based on billing and collection cycles, cumulative positive net receipts supports long-term financial sustainability.*

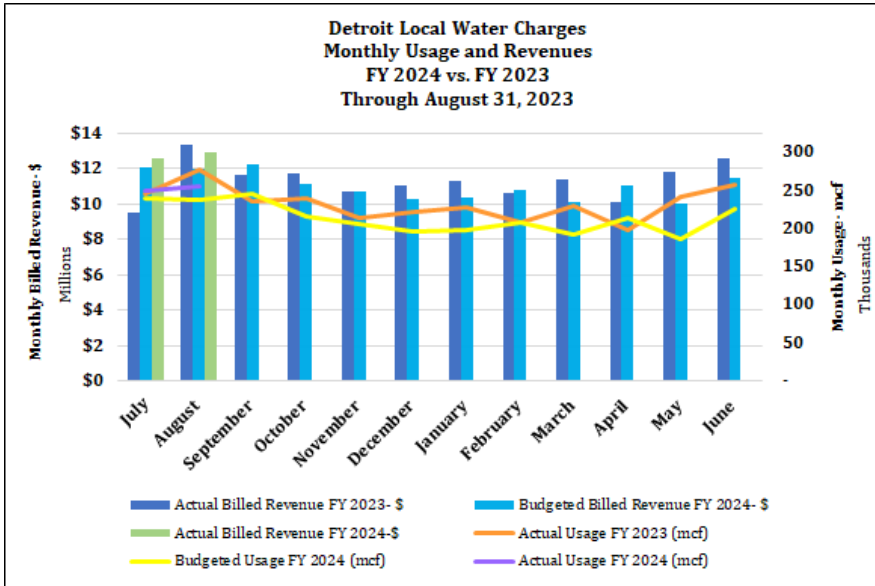


Regional Water System net receipts for the month of August 2023 exceeded the required MBO disbursements by \$10.9 million. This equates to a 14% percent surplus of net receipts over required disbursements of \$8.0 million year-to-date

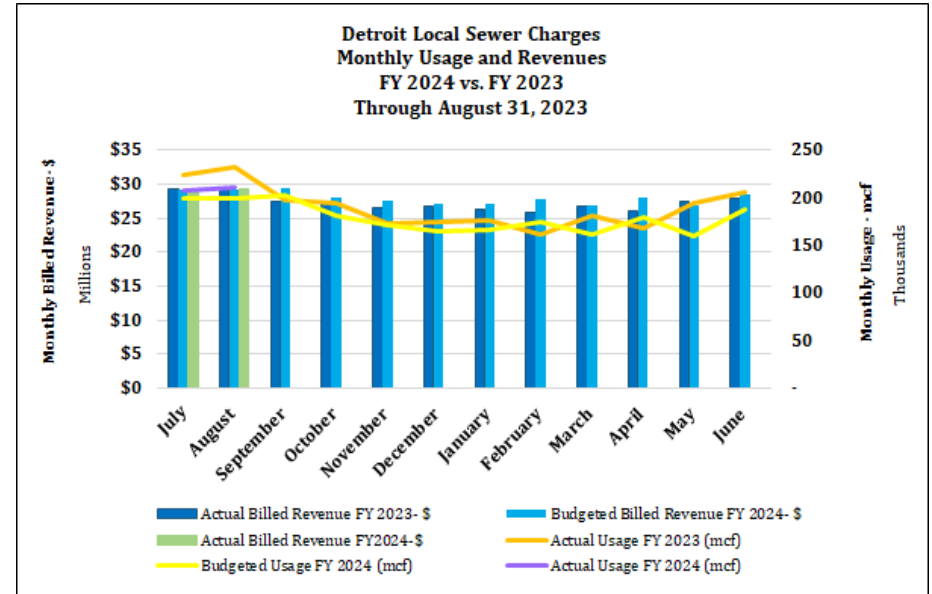


Regional Sewer System net receipts for the month of August 2023 exceeded the required MBO disbursements by \$2.1 million. This equates to a 5% percent surplus of net receipts over required disbursements of \$3.8 million year-to-date.

# Financial Viability – Reliability of Detroit Local Water and Sewer Revenue Projections



Detroit Local Water System billed revenues for FY 2024 are at 106.1% of budget and actual usage at 105.8% of budget through August 2023. Billed revenue for FY 2024 is 12.0% higher compared to the same period in FY 2023.



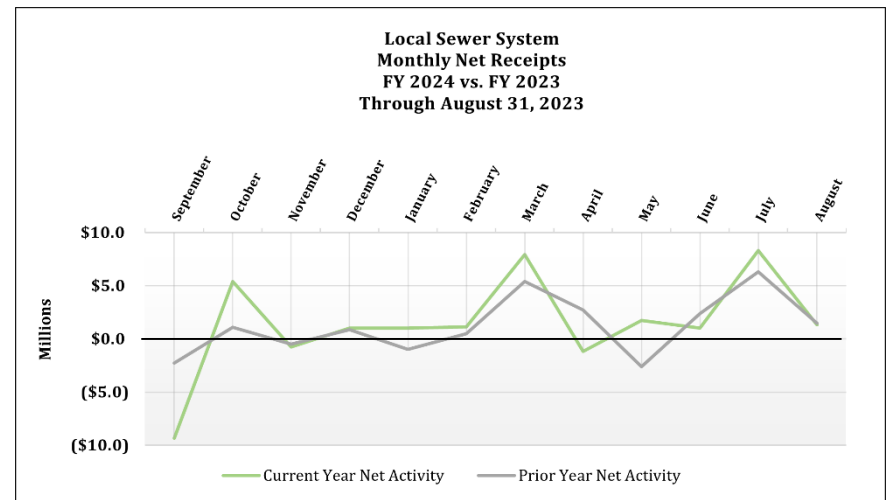
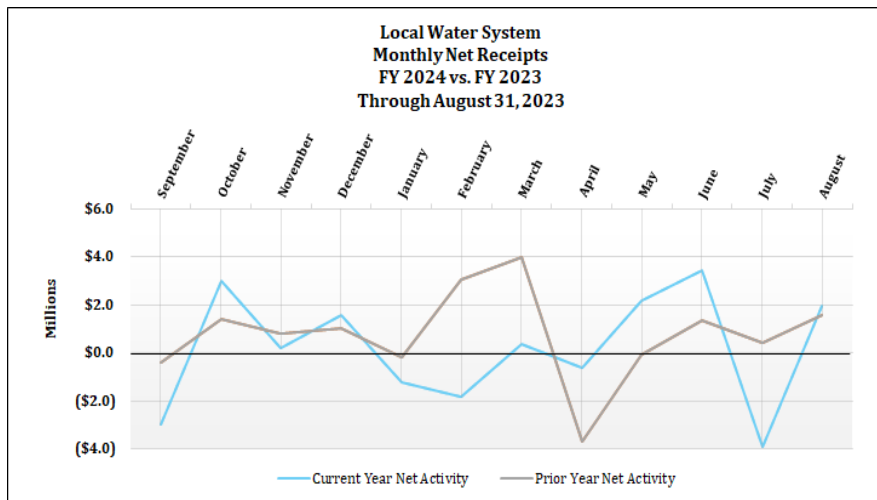
Detroit Local Sewer System billed revenues for FY 2024 are at 100.3% of budget and actual usage at 105.0% of original budget through August 2023. Billed revenue for FY 2024 is 0.8% lower compared to the same period in FY 2023.

# Financial Viability – DWSD Local System Net Receipts

*For the purposes of this reporting, Net Receipts equals cash collections less Master Bond Ordinance (MBO) disbursements.*

*The black line in the charts below at zero highlights the minimum goal for net receipts.*

*While this measure may vary monthly based on billing and collection cycles, Cumulative positive net receipts supports long-term financial sustainability.*

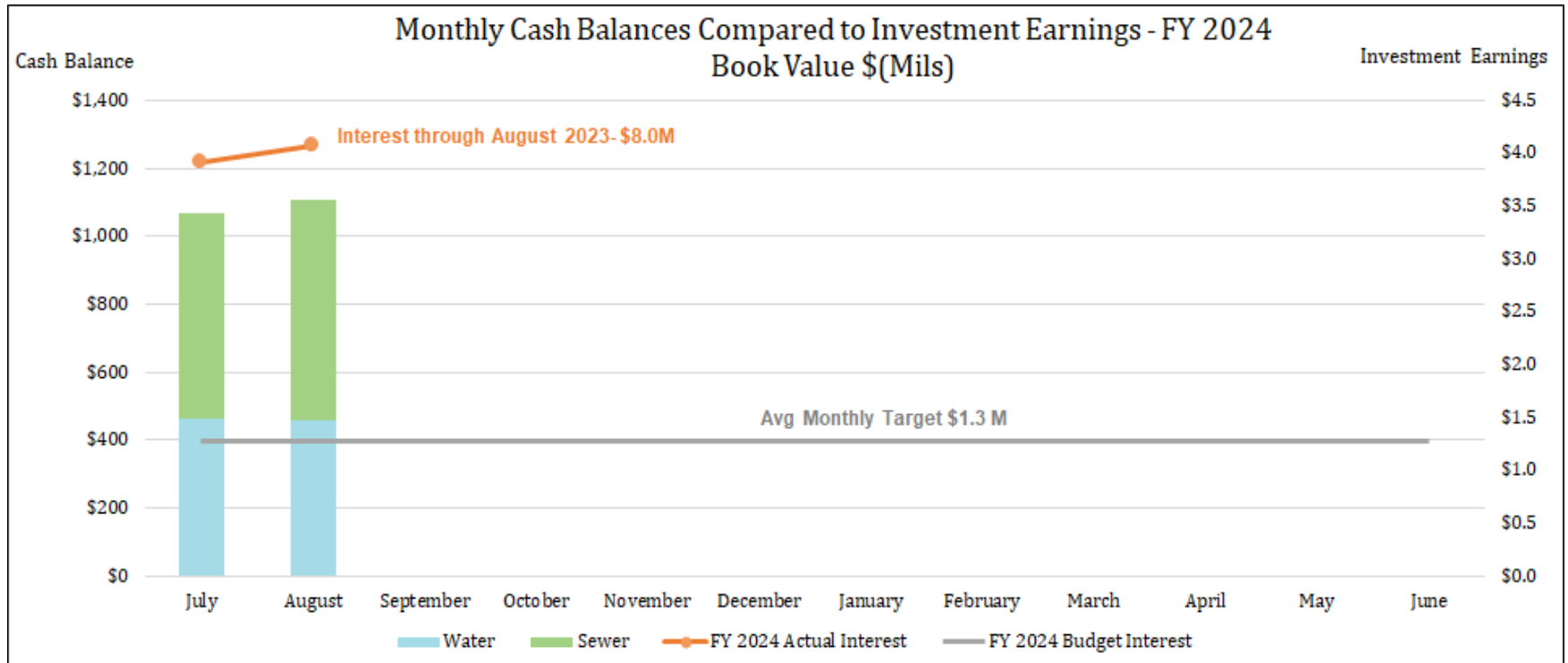


Local Water System net receipts for the month of August 2023 exceeded required MBO disbursements by \$2.0 million. This offsets part of a prior month shortfall and equates to an 10% shortfall of net monthly receipts over required disbursements year-to-date and a \$2.0 million shortfall year-to-date.

Local Sewer System net receipts for the month of August 2023 exceeded required MBO disbursements by \$1.3 million. This equates to an 20% surplus of net receipts over required disbursements and a \$9.6 million surplus year-to-date.



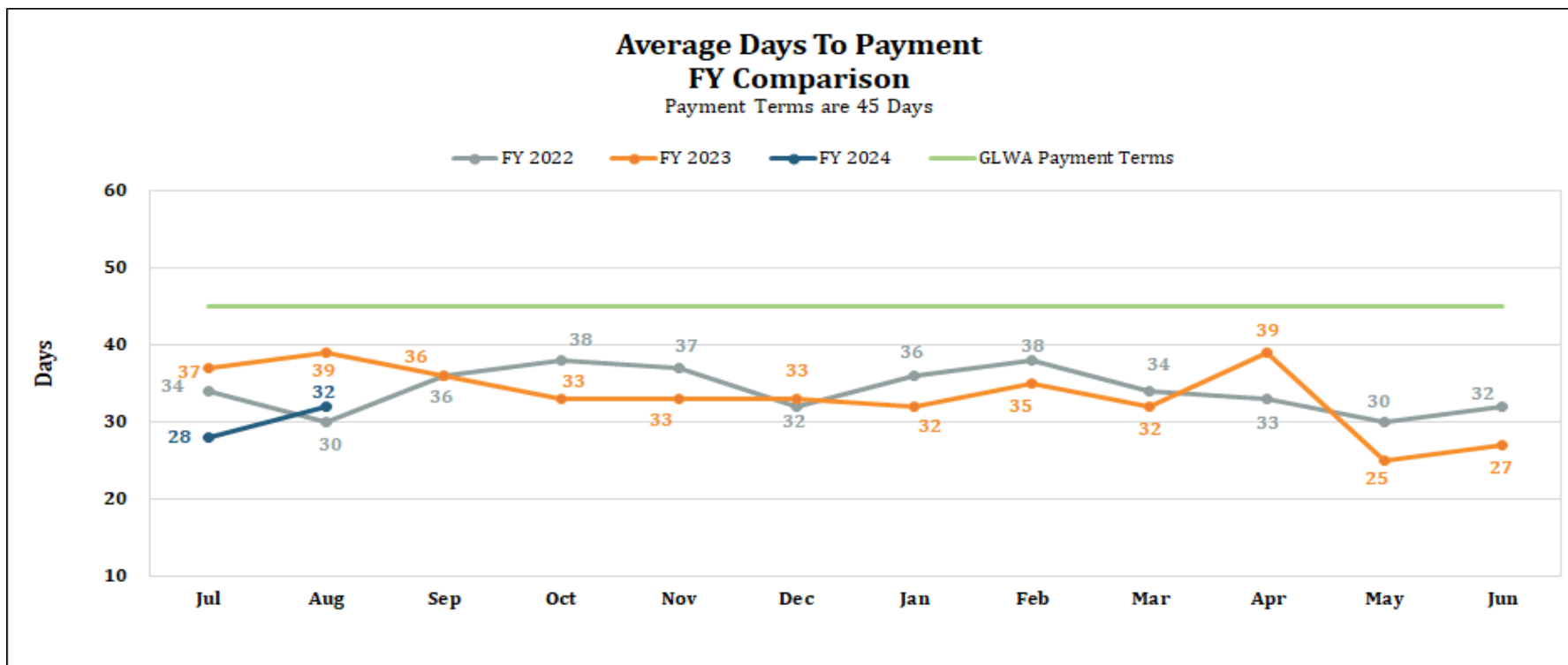
# Financial Viability – Optimizing Cash Balances



- Cash & investment balances for the water & sewer funds change each month based on Master Bond Ordinance funding, operational requirements, capital funding, and debt payments.
- Investment earnings fluctuate monthly with the cash & investment balances as well as market conditions and investment strategy.
- The average monthly target of \$1.3 million is based on an annual forecast of \$15.3 million for interest earnings.
- For the month of August 2023, GLWA had investment earnings of \$4.1 million and cumulative FY 2024 earnings of \$8.0 million.
- GLWA continues to refine cash flows and work with its investment advisor to identify strategies to maximize future investment earnings while meeting the objectives of safety and liquidity.

# Financial Viability – Days to Pay an Invoice

The goal is a twelve-month average of < 30 days to support vendor relations and expand the early payment discount program. The number of days is calculated as the days between invoice and payment date.



Timely vendor payments support:


- Positive supplier relations;
- Leveraging early payment discounts; and
- Effective cashflow management.

| Twelve-month average days to payment |         |                               |
|--------------------------------------|---------|-------------------------------|
| FY 2022                              | FY 2023 | FY 2024<br>(rolling calendar) |
| 34                                   | 33      | 32                            |

The average days to pay is higher than the target of less than 30 days due to challenges with a small number of vendors. The Accounts Payable team continues to work in conjunction with the Procurement team to assist in improving vendor management and compliance.

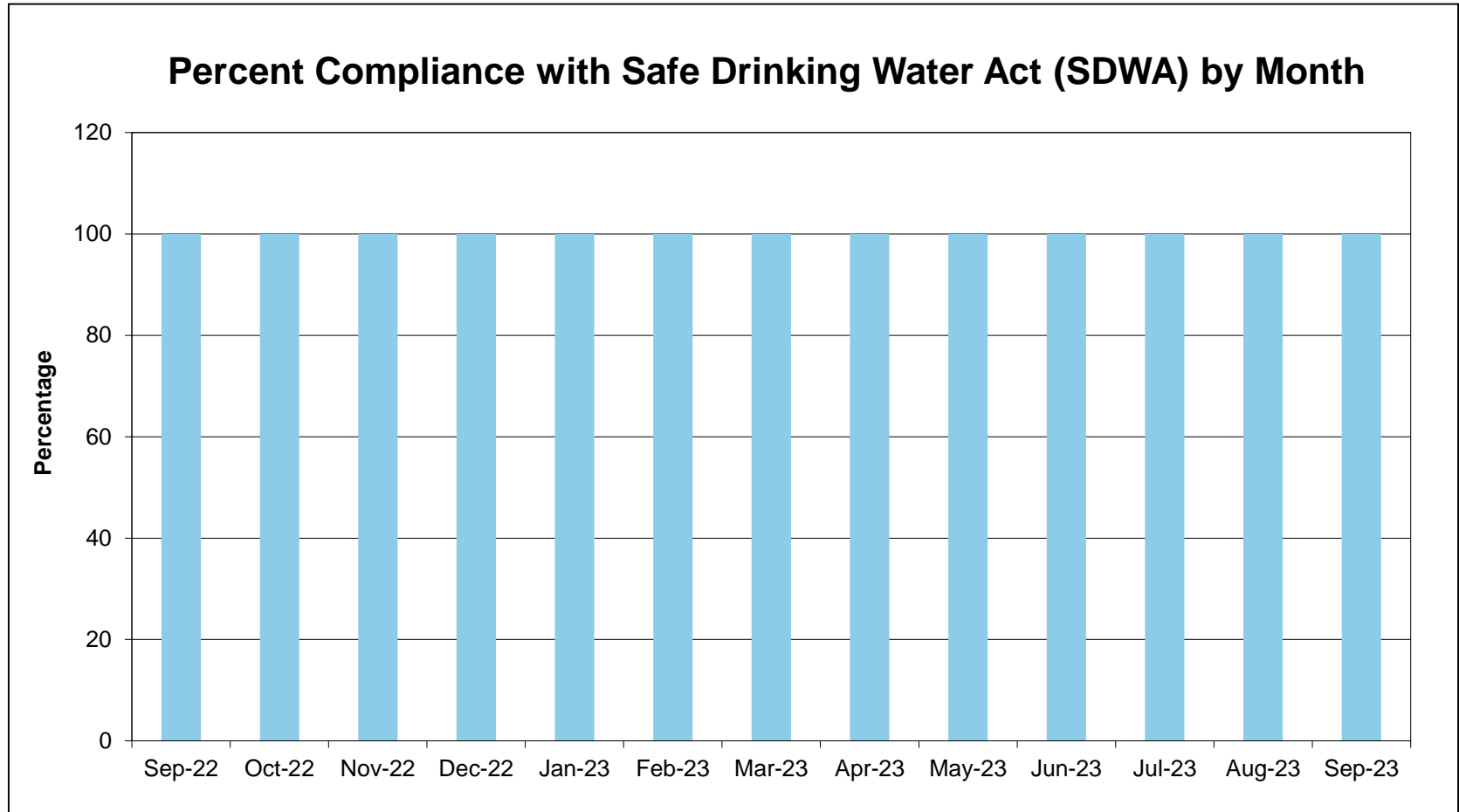
**CEO Priority KPI Performance Criteria:** Days to pay an invoice is monitored to support healthy supplier relationships. (Green = 40 days or less; Yellow = >40 to <45 days; Red = >45 days)

**Commentary:** The KPI is green at 32 days for the month of August, within the stated criteria.

A dynamic splash of water in shades of blue, with bubbles and ripples, set against a light blue background. The water is captured in motion, creating a sense of freshness and purity.

# EUM Attribute: Product Quality

# Product Quality – SWDA Compliance

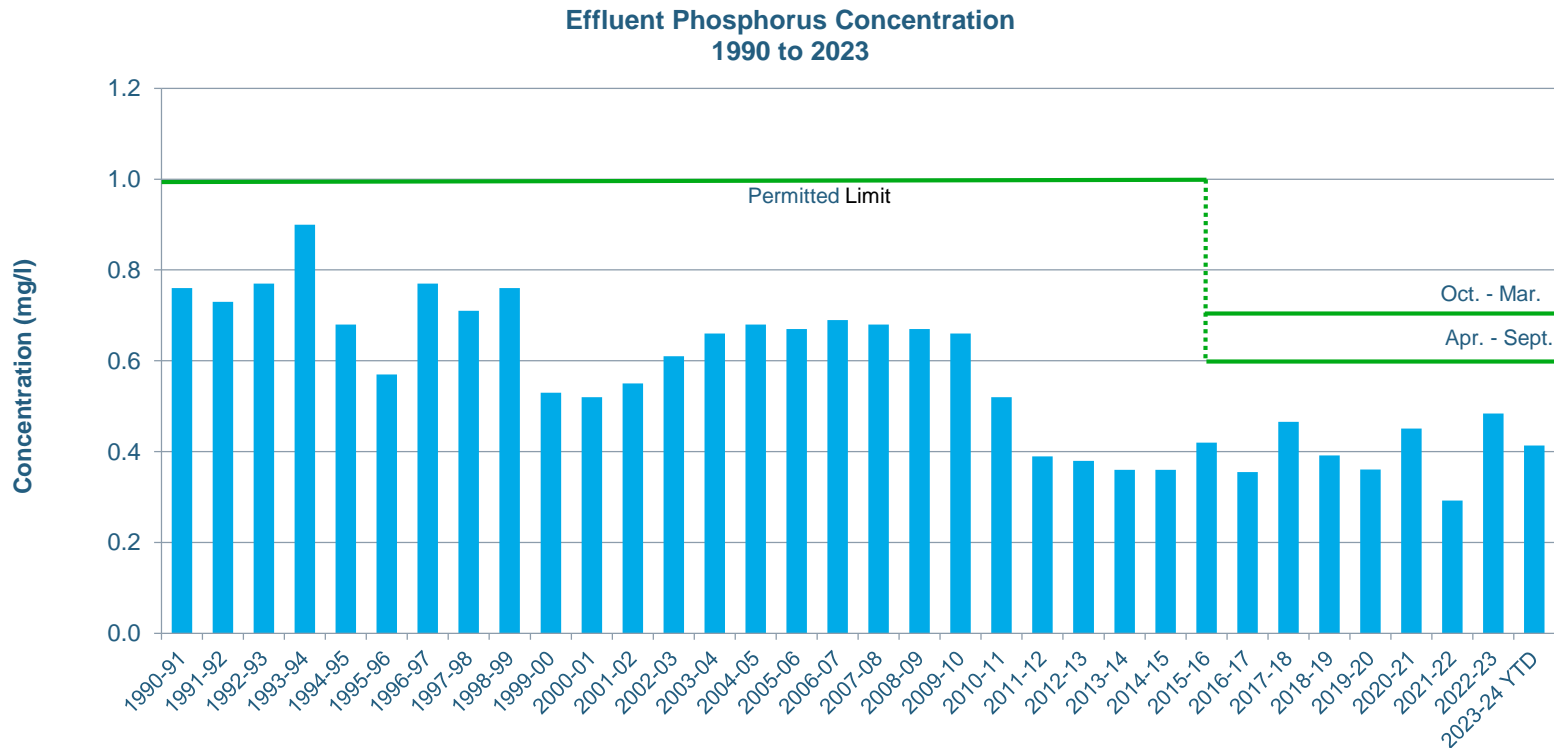


**Product Quality:** GLWA's goal is to surpass Safe Drinking Water Act requirements and this slide indicates compliance for the month.

# Product Quality

## Regulatory Compliance – Effluent Phosphorous Concentration

- Significant progress has been made in the reduction of effluent phosphorus.
- GLWA strives to surpass Federal and State requirements.

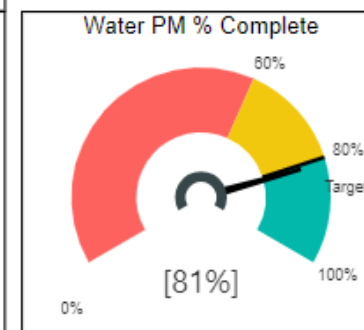
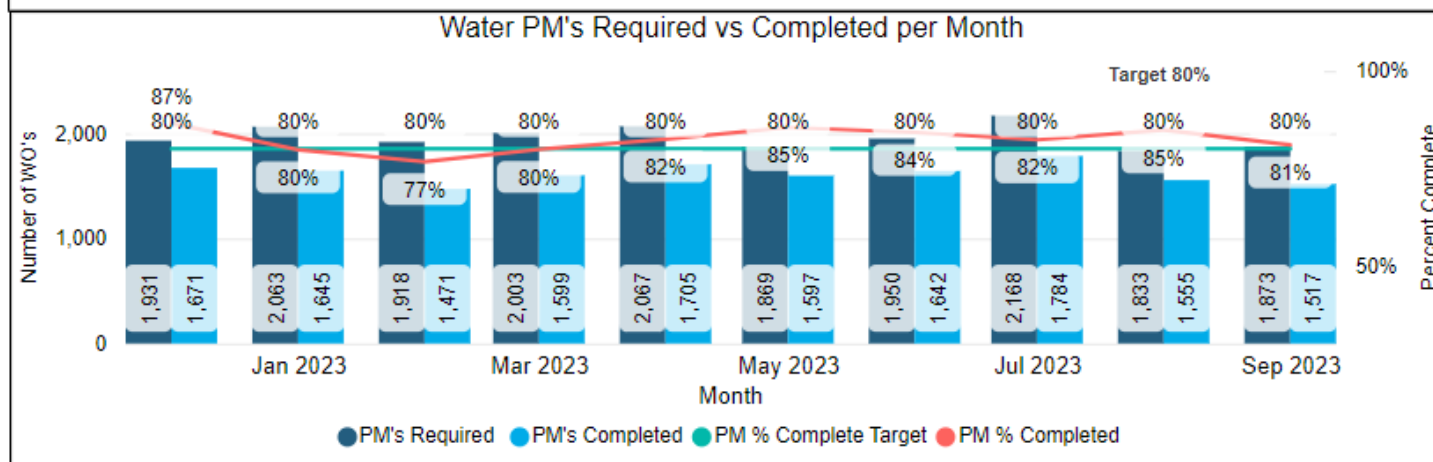
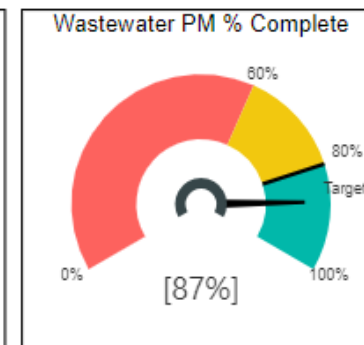
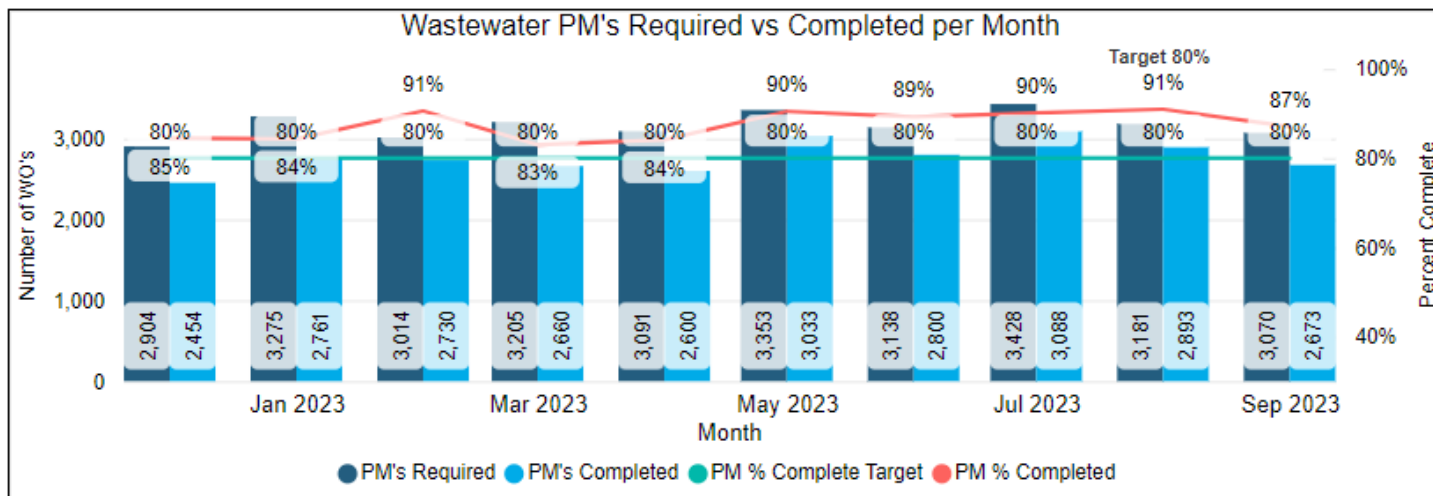




A dynamic splash of water in shades of blue, with bubbles and ripples, set against a light blue background. The water appears to be moving from left to right, creating a sense of motion and freshness.

# EUM Attribute: Infrastructure Strategy and Performance

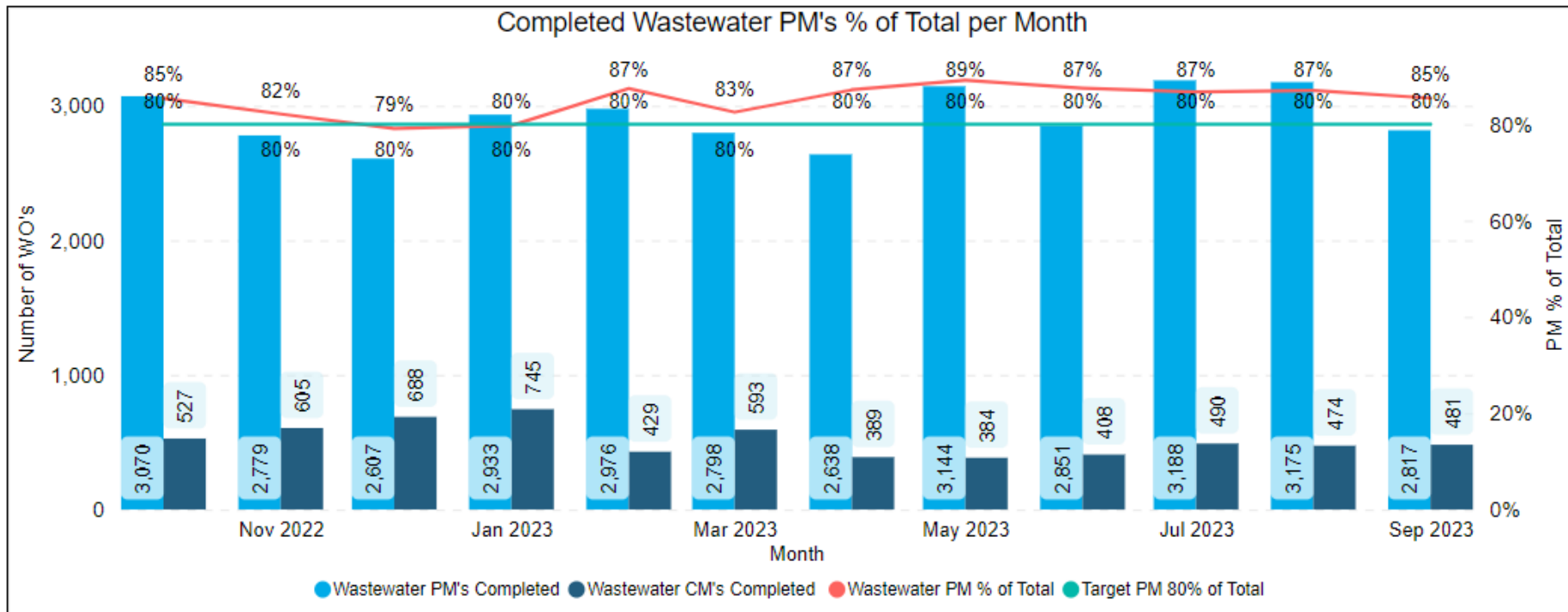
# Infrastructure Strategy and Performance – Wastewater and Water Preventative Maintenance (PM) Management September 2023



\*Timely preventative maintenance extends asset useful life and minimizes unplanned downtime.

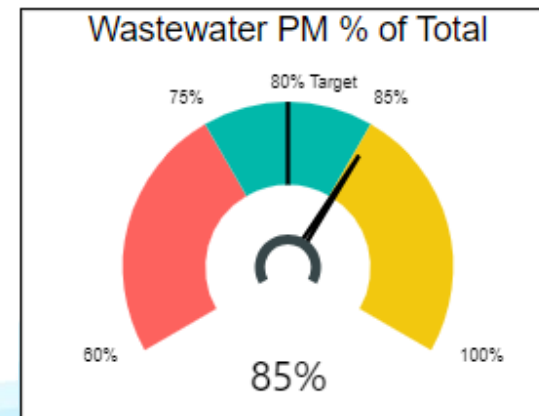
\*Unplanned downtime can lead to permit non-compliance and negative environmental impacts.

# Infrastructure Strategy and Performance – Wastewater Preventative & Corrective Maintenance Management September 2023

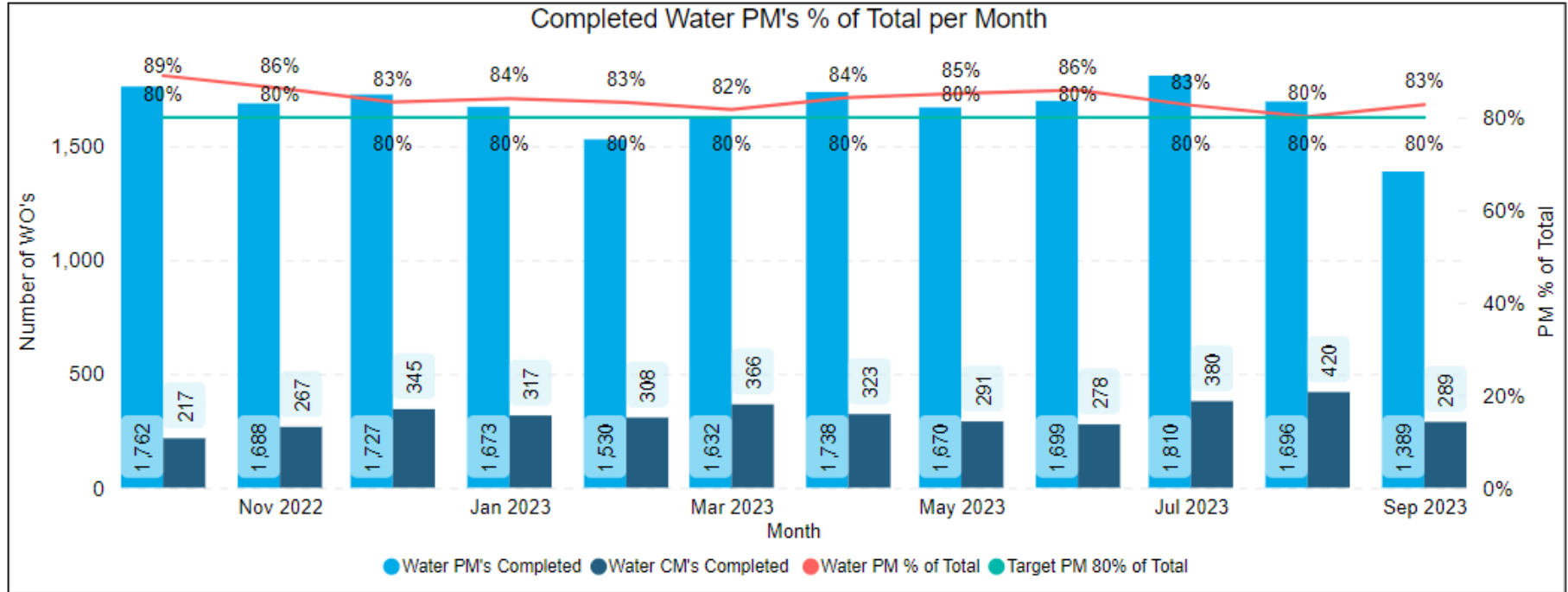


\*The Target is derived from the 2017 American Water Works Association Utility Benchmarking program that indicates that an appropriate level of PM activities can be identified by the PM percentage of total maintenance work performed. If the percentage is significantly lower than the target (red) it is a warning of possible increase in unplanned, emergency type work (CM). If the percentage is significantly higher than the target (yellow) it is a warning that PMs can be reduced, and resources can be better directed to other system needs.

PM = Preventative Maintenance  
CM = Corrective Maintenance

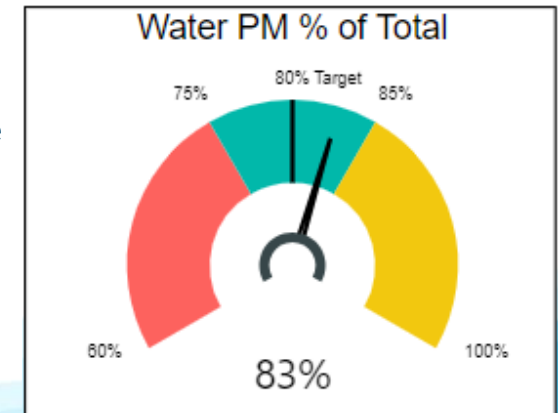


# Infrastructure Strategy and Performance – Water Preventative & Corrective Maintenance Management September 2023

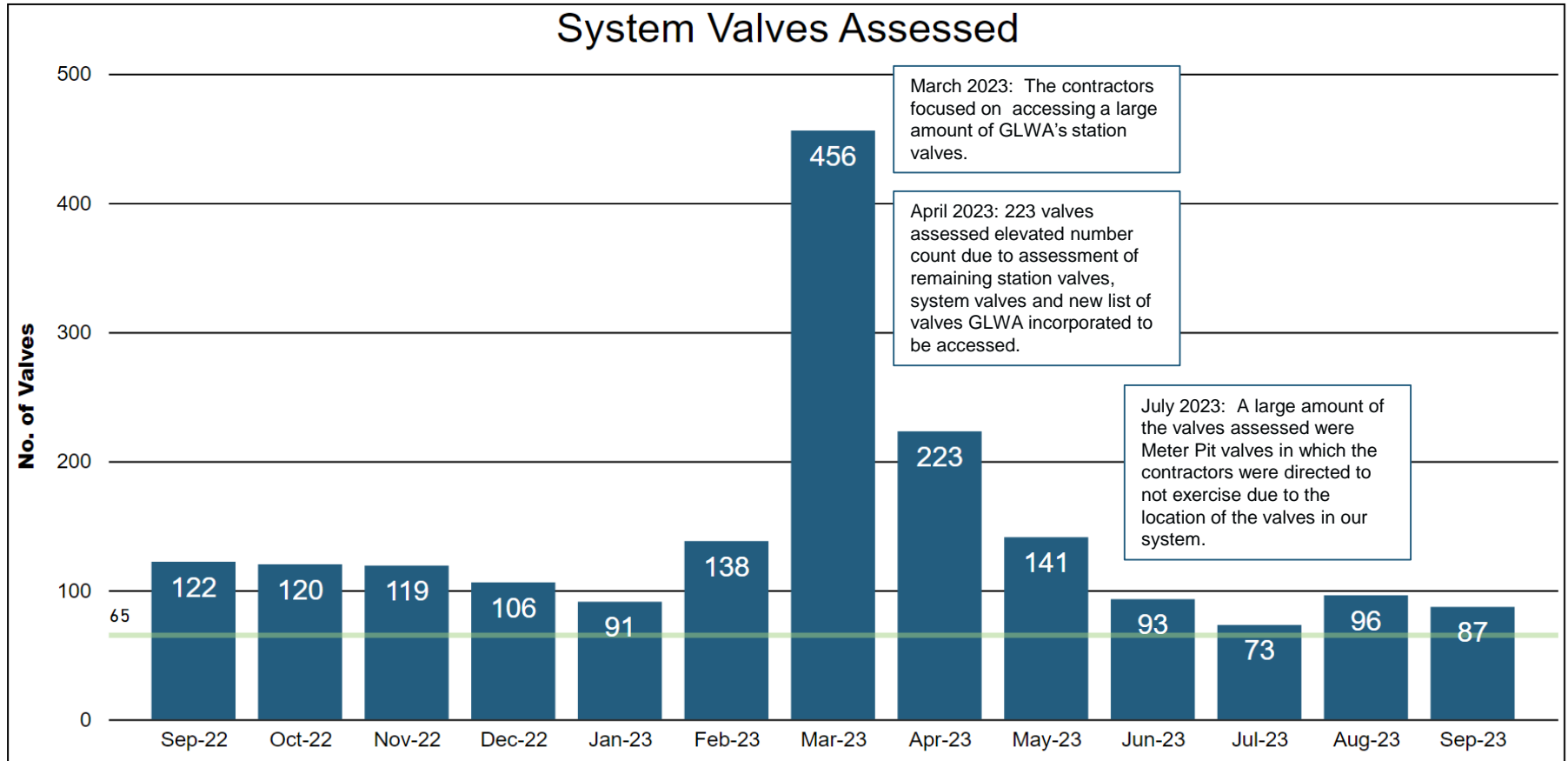


\*The Target is derived from the 2017 American Water Works Association Utility Benchmarking program that indicates that an appropriate level of PM activities can be identified by the PM percentage of total maintenance work performed. If the percentage is significantly lower than the target (red) it is a warning of possible increase in unplanned, emergency type work (CM). If the percentage is significantly higher than the target (yellow) it is a warning that PMs can be reduced, and resources can be better directed to other system needs.

PM = Preventative Maintenance  
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# Infrastructure Strategy and Performance – Water and Field Services Valve Assessments

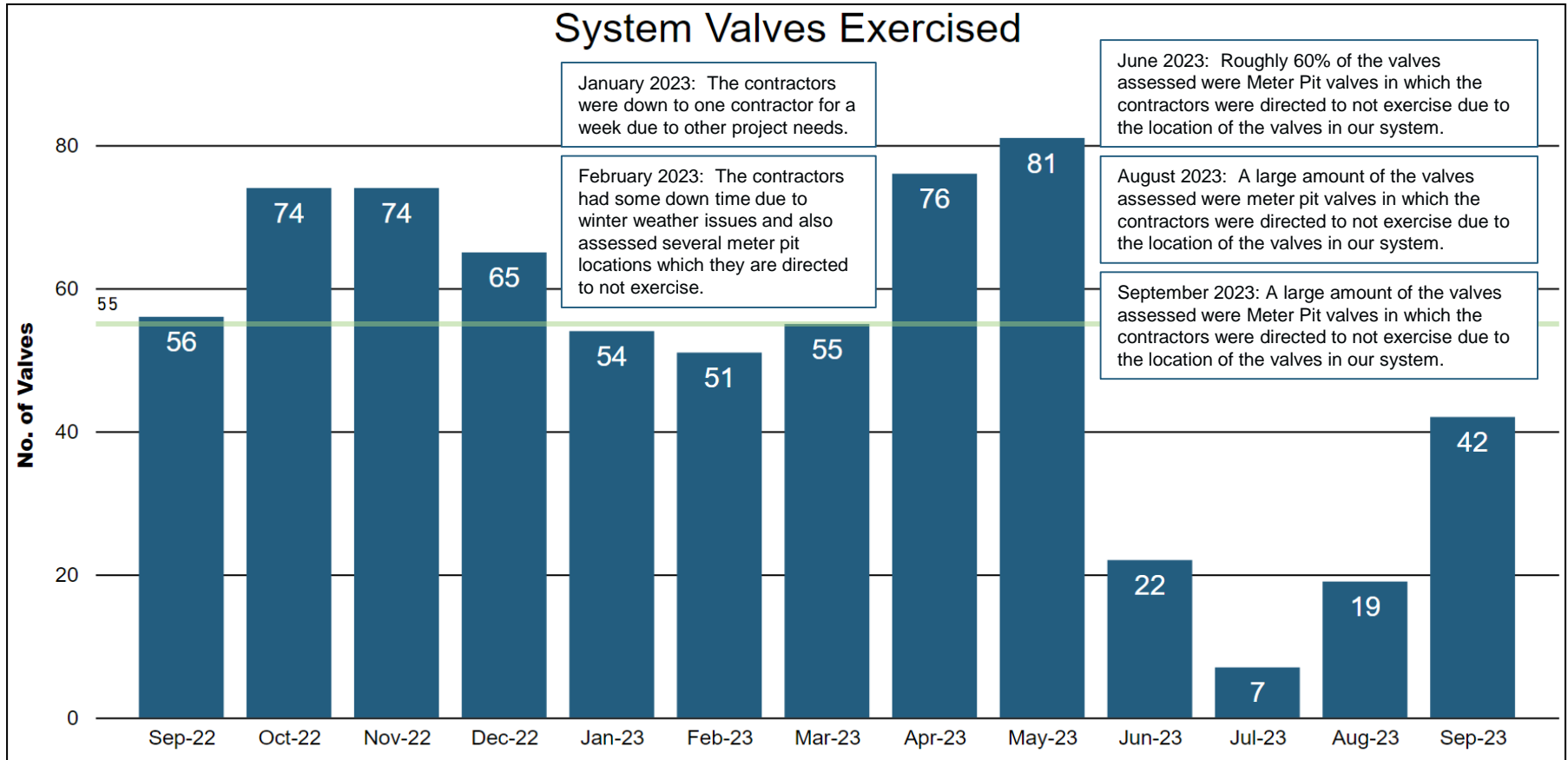


**Note:** The contractor began exercising valves in the month of December. A seasonal target has been set for the winter season with expectations that the number of valves exercised will increase in the coming spring and summer months.

**Infrastructure Strategy and Performance:** GLWA's ultimate goal is to locate, visually assess, determine the condition and valve position, and fully exercise system valves.



# Infrastructure Strategy and Performance – Water and Field Services Valve Exercising

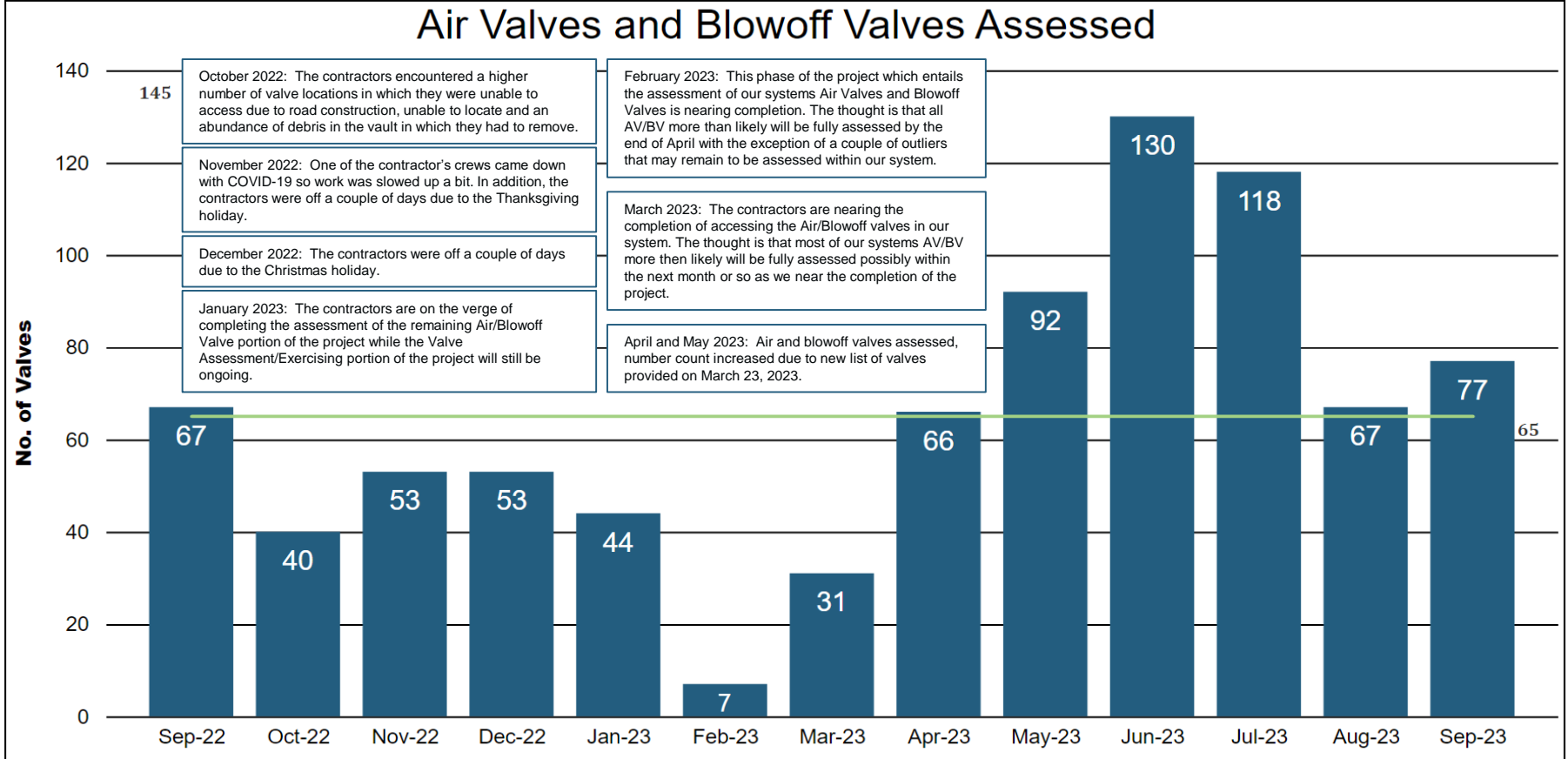


**Note:** The contractor began exercising valves in the month of December. A seasonal target has been set for the winter season with expectations that the number of valves exercised will increase in the coming spring and summer months.

**Infrastructure Strategy and Performance:** GLWA's ultimate goal is to locate, visually assess, determine the condition and valve position, and fully exercise system valves.

# Infrastructure Strategy and Performance – Water and Field Services Valve Assessments

## Air Valves and Blowoff Valves Assessed

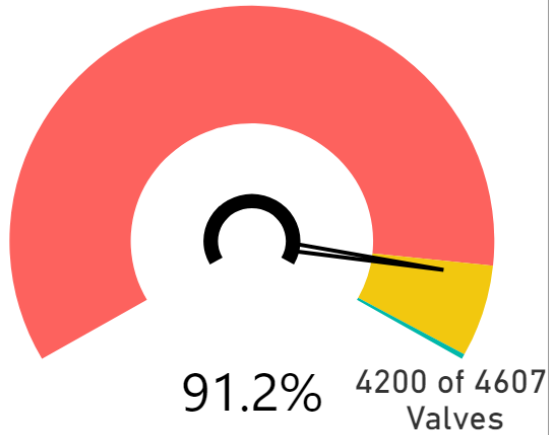


**Note:** Phase 2 of the project began in August 2020. The project will focus on locating and assessing designated valves within the water transmission main.

**Infrastructure Strategy and Performance:** GLWA's ultimate goal is to locate, visually assess, determine the condition and valve position, and fully exercise system valves.

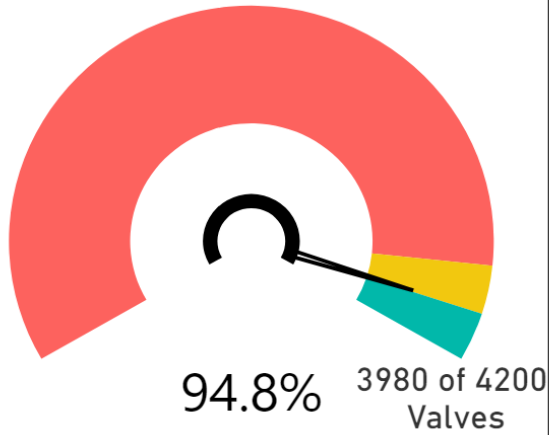
# Infrastructure Strategy and Performance – Water and Field Services Valve Exercising Totals System Valve Assessment Totals – September 2023

## Valves Located



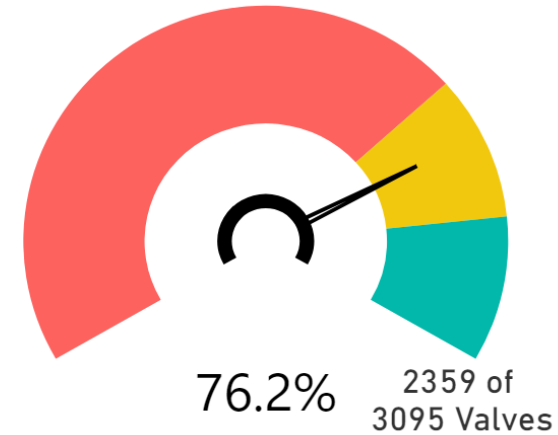
Red <90%, Yellow 90 to 99.5%, Green >=99.5%

## Valves Assessed



Red <90%, Yellow 90 to 95%, Green >=95%

## Valves Operational



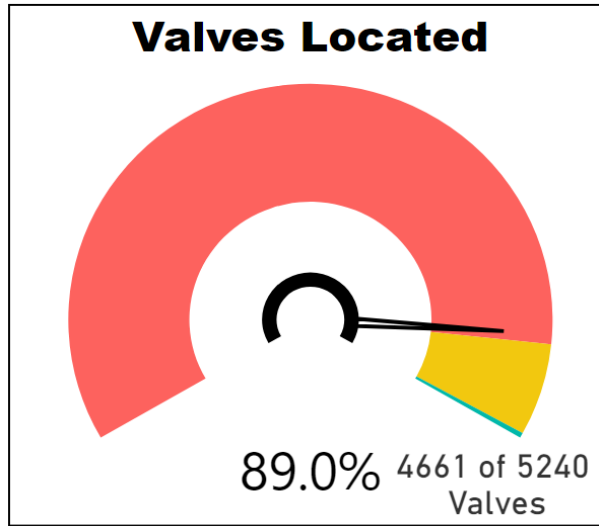
Red <70%, Yellow 70 to 85%, Green >=85%

**Reason for yellow on Valves Located (91.2%), Valves Assessed (94.8%), and Valves Operational (76.2%):** Valves not located were mostly due to heavy vegetation and some were paved over. Some valves could not be assessed due to location of the valves.

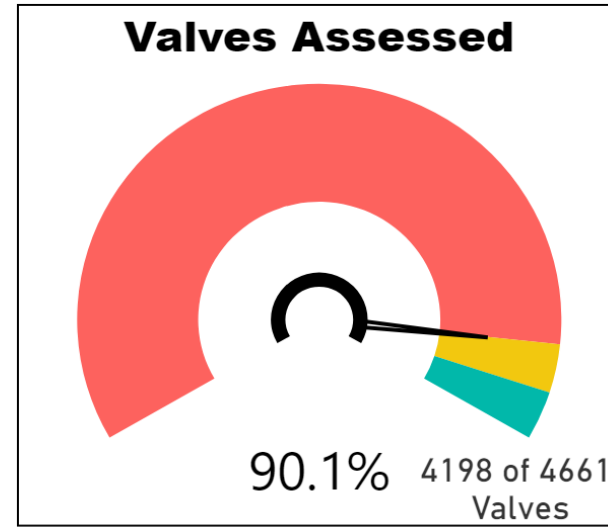
**NOTE:** Based on the results of the pilot study, the current valve exercising program has been streamlined to locate, assess, and operate all isolation valves within the GLWA Transmission System. Valves that could not be located, or accessed for assessment and exercising, or found to be non-operational, will be remedied using the GLWA Water Transmission Main, Valve, and Urgent Repairs contractors. Valves will be addressed based on geography, criticality to the system, and potential impacts to member partners; therefore, repairs will lag the exercise program substantially to minimize impacts to the system and customers. Normally, open valves found closed are not operated until GLWA operations have reviewed the effected member partners to ensure no unintended disruptions to service.

**Infrastructure Strategy and Performance:** GLWA's ultimate goal is 100% operational valves. However, during this transitional phase, and the need to carefully plan contingencies for valve failures during repair, GLWA has lowered the valve percent operational goal. This reduction reflects the necessary time to plan and conduct valve repairs to include appropriate contingencies that will minimize the impacts to customers should catastrophic failures occur during repair.

# Infrastructure Strategy and Performance – Water and Field Services Valve Assessment Totals Air and Blowoff Valve Assessment Totals – September 2023



Red <90%, Yellow 90 to 99.5%, Green >=99.5%



Red <90%, Yellow 90 to 95%, Green >=95%

**Reason for red on Valves Located (89.0%) and yellow on Valves Assessed (90.1%):** Valves not located were mostly due to heavy vegetation and some were paved over. Some valves located could not be assessed due to particulars associated with their individual locations.

**NOTE:** During the initial preliminary stages of the project, the contractor is conducting inventory, locating and assessing designated valves, as well as determining which valves are operational within the GLWA water transmission system.

**Infrastructure Strategy and Performance:** GLWA's ultimate goal is 100% operational valves. We are in a transitional phase moving towards that goal and will reassess the red, yellow, green targets annually thereafter for the next 3 years.

A dynamic splash of water in shades of blue, with bubbles and ripples, set against a light blue background. The water is captured in motion, creating a sense of energy and freshness.

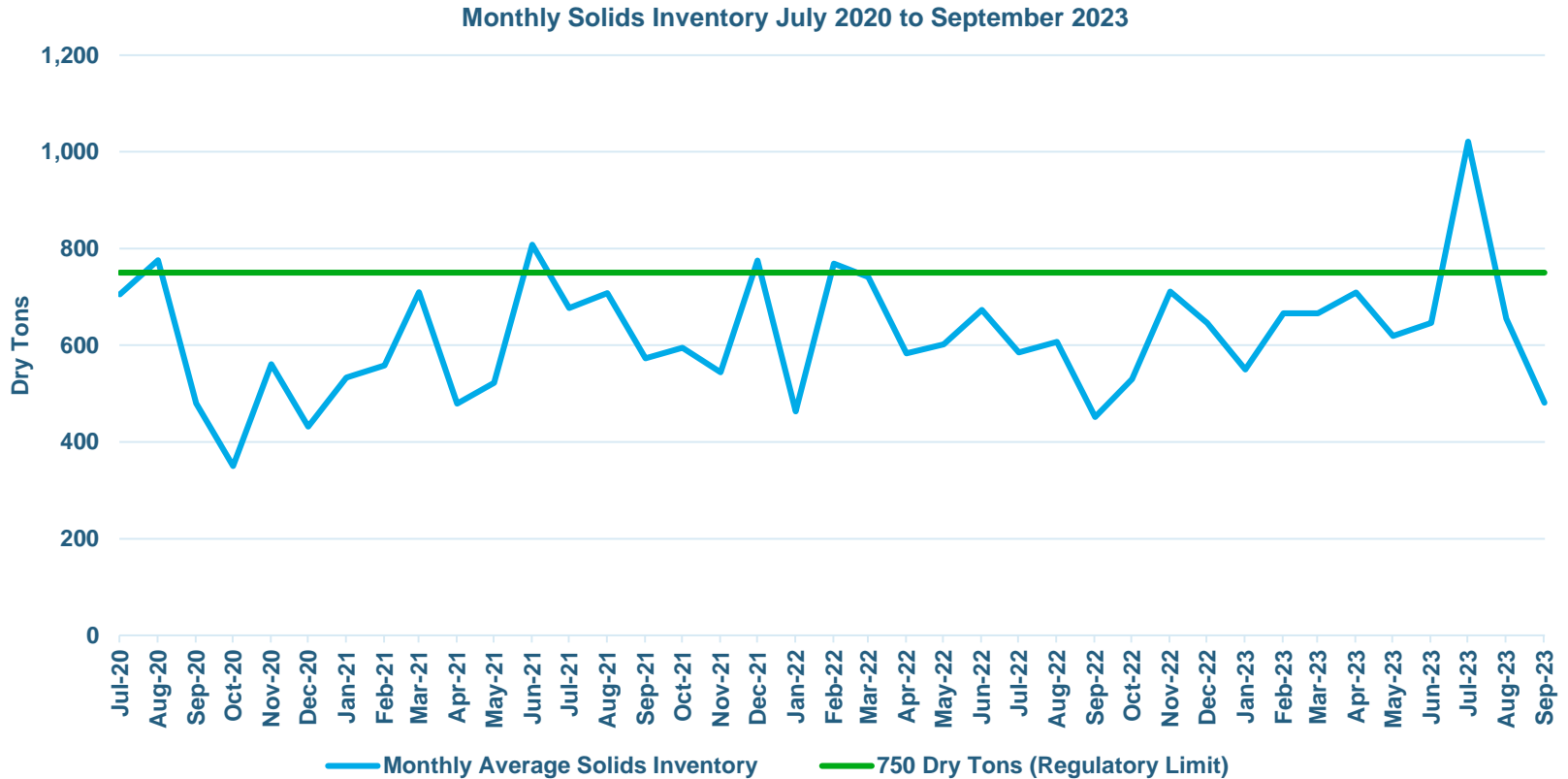
# EUM Attribute: Operational Optimization



# Operational Optimization

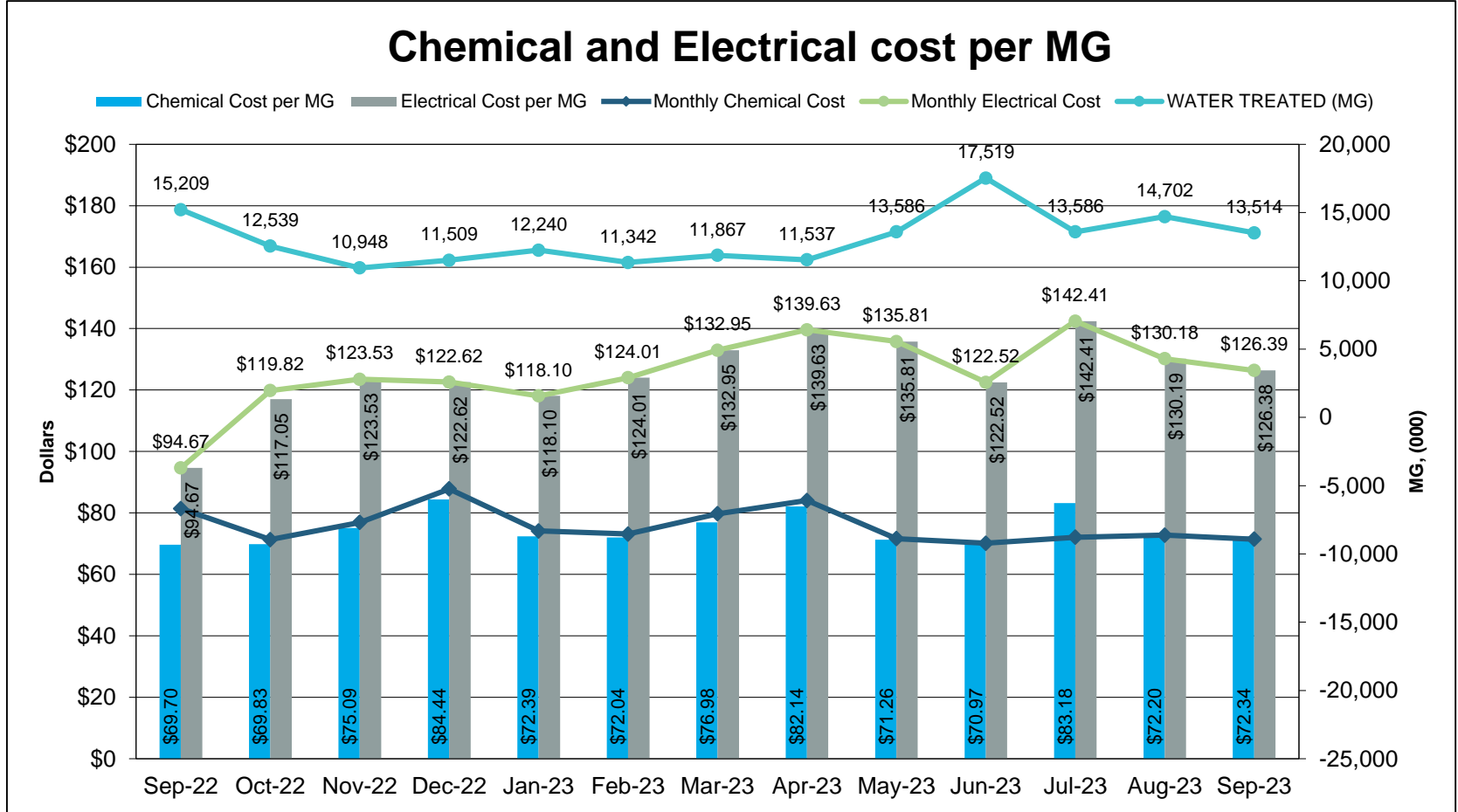
## Regulatory Compliance – Monthly Solids Inventory

- Solids inventory is a measure of process performance and is regulated by the State.
- Having consistently tracked below 750 dry tons since Oct. 2014 is noteworthy.



Note: No violation occurred in August 2020, June or December 2021, February 2022, or July 2023: the limit did not apply in those months due to the number of days on which PE discharge occurred.

# Operational Optimization Chemical & Electrical Costs

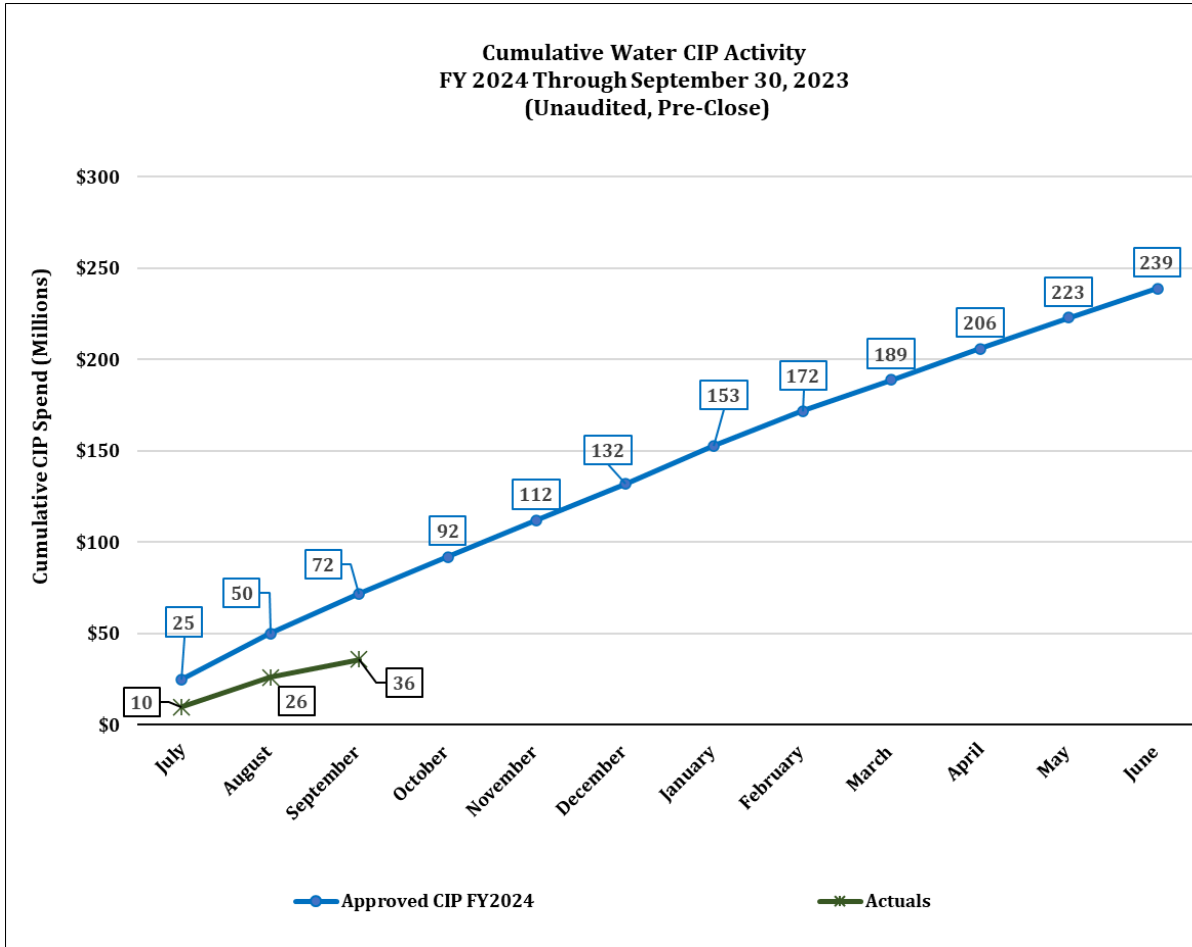


**Operational Optimization:** Being able to identify ongoing performance improvements for chemical and electrical usage per MG of water pumped is a key metric in managing operational cost. This slide is under development to include tracking of total costs per MG.

A dynamic splash of blue water with bubbles and ripples, set against a light blue background. The water is captured in motion, creating a sense of energy and freshness.

# EUM Attribute: Enterprise Resiliency

# Enterprise Resiliency FY 2024 Total Water CIP Spend

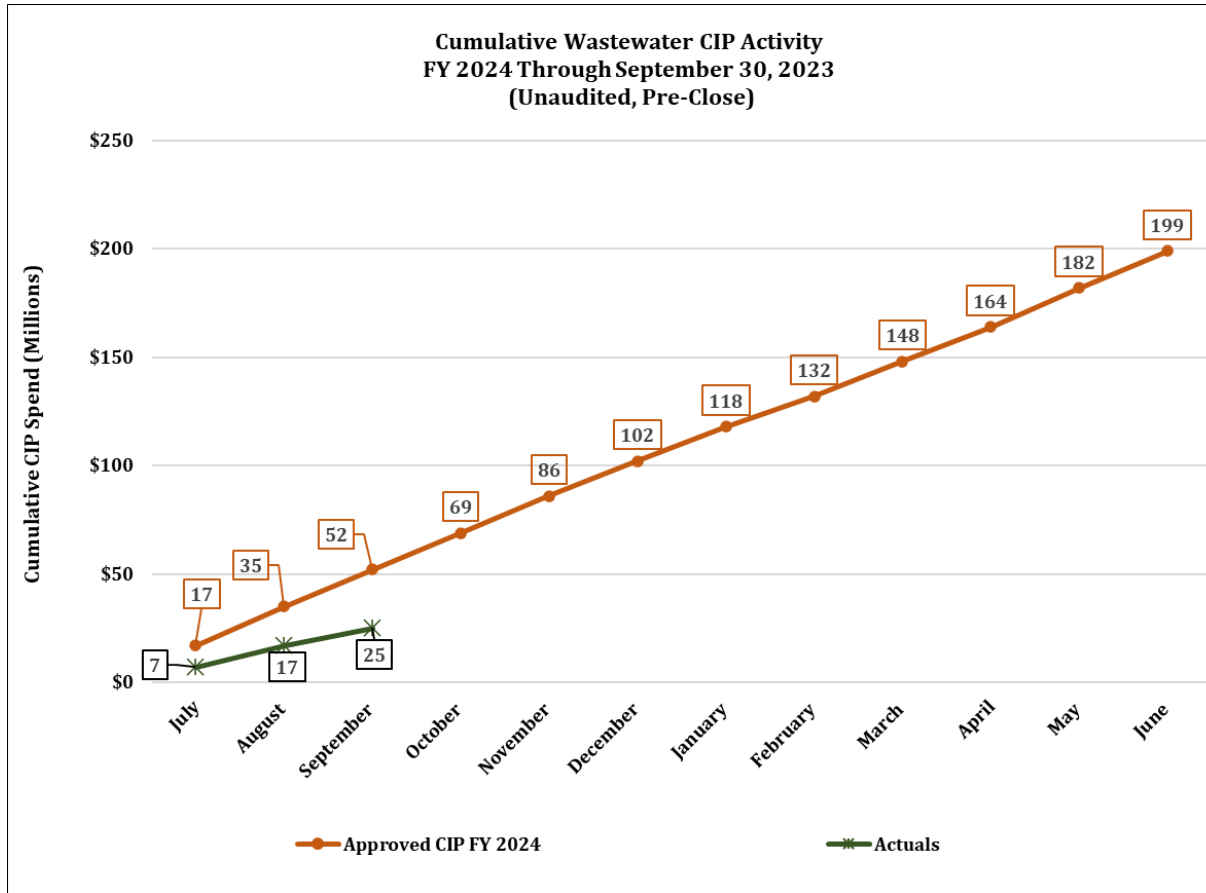


**Current Status:**  
The water system incurred \$36 million of CIP costs through September 2023. This is 50% of the FY 2024 monthly *Approved CIP2024-2028*.

*Note: The Capital Spend Rate for FY 2024 CIP with a new forecast of \$239 million is set with a capital spending ratio of 100%.*

# Enterprise Resiliency

## FY 2024 Total Wastewater CIP Spend



### Current Status:

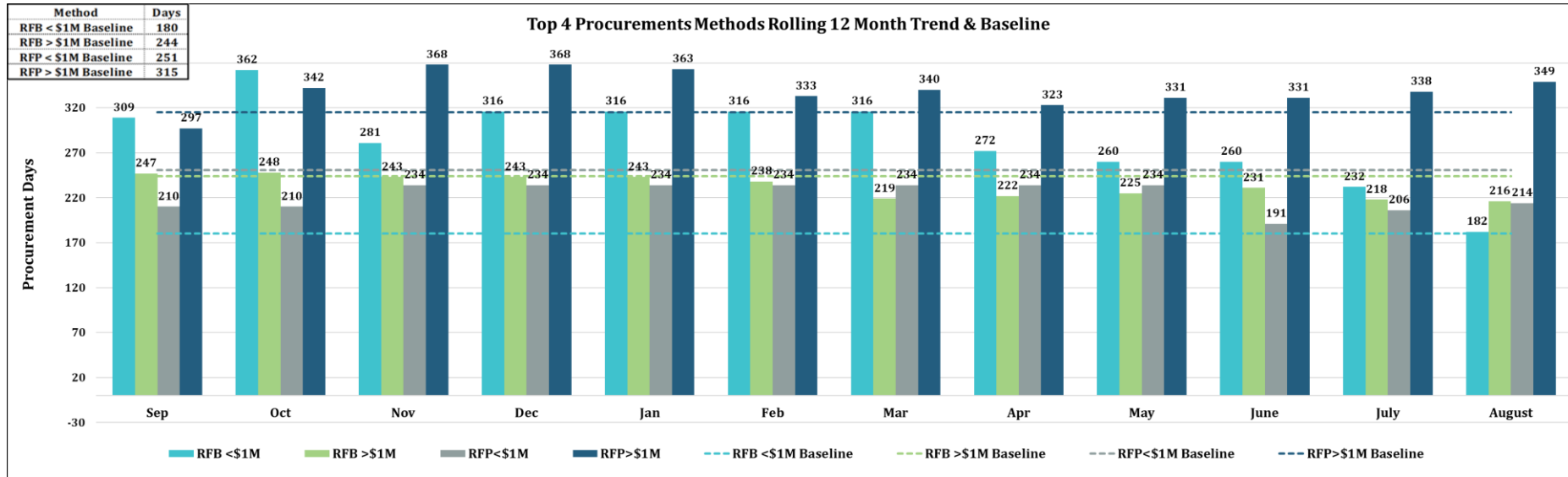
The wastewater system incurred \$25 million of CIP costs through September 2023.

This is 48% of the FY 2024 monthly *Approved CIP2024-2028*.

Note: The Capital Spend Rate for FY 2024 CIP with a new forecast of \$199 million is set with a capital spending ratio of 100%.



# Enterprise Resiliency - Procurement Cycle

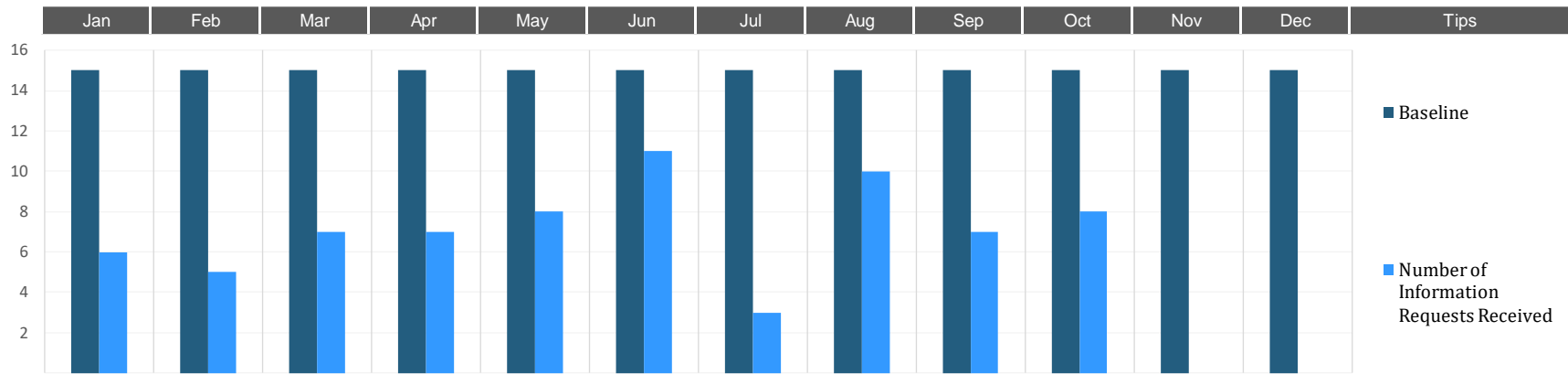


- *Scope:* This slide represents solicitations awarded and contracts implemented by GLWA Procurement for the twelve-month period from September 1, 2022, through August 31, 2023.
- The chart above highlights the total days to execute Request for Bid (RFB) and Request for Proposal (RFP) contracts over the previous 12 months compared to the established baselines shown.
- In line with the previous period, baselines were met for RFP's less than \$1 million and RFB's greater than \$1M. RFB's less than \$1 million and RFP's greater than \$1 million exceeded the baselines due to challenges encountered with negotiating contracts which prolonged timeframes required to execute. The increased timeframes did not unfavorably impact the execution of the contracts.
- The table to the right provides a breakdown of this activity based on the type of contract awarded and the amount awarded for the past 12 months.
- There was a total of \$501.7 million associated with 38 contracts awarded during the period September 1, 2022, through August 31, 2023.

| Contract Type        | Award (Millions) | Total Contracts |
|----------------------|------------------|-----------------|
| <b>RFB (Low-Bid)</b> | <b>389.0</b>     | <b>21</b>       |
| Over \$1M            | 387.6            | 17              |
| Construction         | 359.6            | 11              |
| Consultant           | 3.2              | 1               |
| Services             | 19.8             | 4               |
| Supplies/Equipment   | 5.1              | 1               |
| Under \$1M           | 1.4              | 4               |
| Construction         | 0.5              | 1               |
| Services             | 0.9              | 3               |
| <b>RFP</b>           | <b>112.7</b>     | <b>17</b>       |
| Over \$1M            | 111.6            | 14              |
| Consultant           | 44.6             | 5               |
| Design Build         | 47.7             | 6               |
| Services             | 19.3             | 3               |
| Under \$1M           | 1.1              | 3               |
| Services             | 1.1              | 3               |
| <b>Grand Total</b>   | <b>501.7</b>     | <b>38</b>       |

Baseline Last Updated 3/1/2021  
Outliers Removed

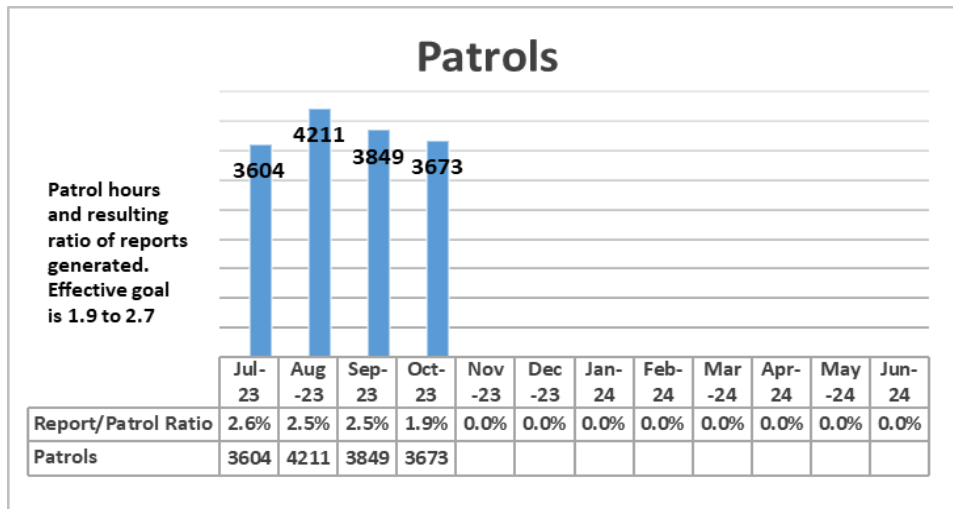
# Enterprise Resiliency – General Counsel Information Requests Received



| Expenses                                | Jan   | Feb   | Mar   | Apr   | May   | Jun*  | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   | Total  | Trend |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Baseline                                | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 180.00 |       |
| Number of Information Requests Received | 6.00  | 5.00  | 7.00  | 7.00  | 8.00  | 11.00 | 3.00  | 10.00 | 7.00  | 8.00  |       |       | 72.00  |       |

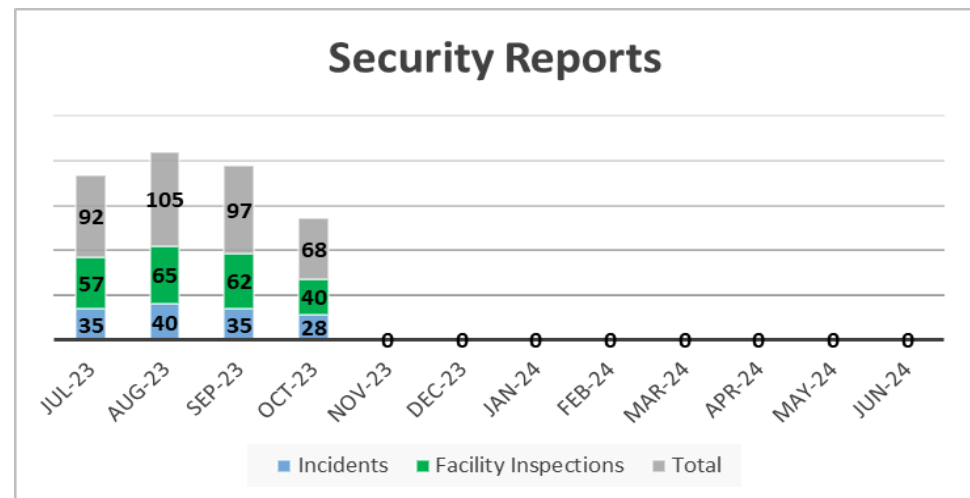
One of the measures of organizational transparency is access to information. GLWA maintains many avenues of informal information access, including through its website. To the extent the information is readily available, the Office of the General Counsel should receive fewer FOIA requests over time.

# Enterprise Resiliency – Security & Integrity

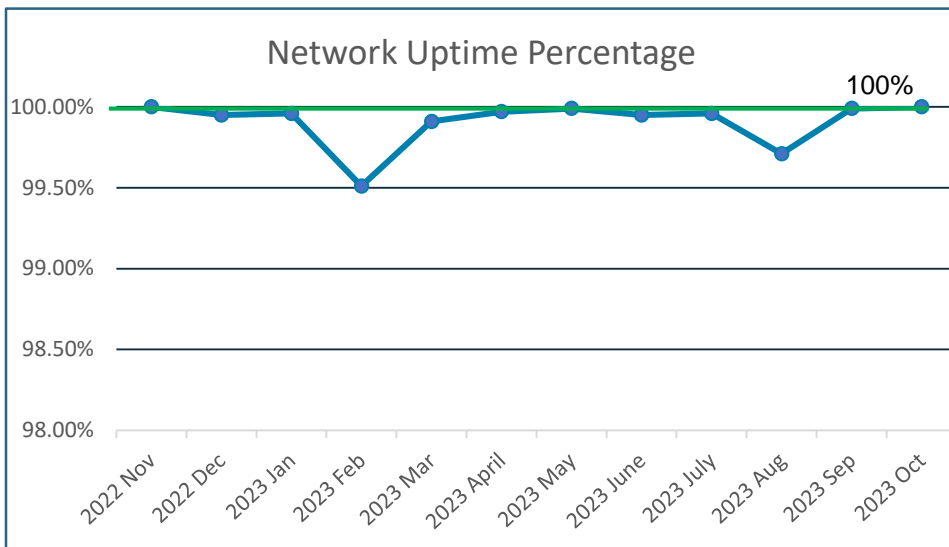


- Patrols are an indication of the level of services rendered by the staff of the Security & Integrity Group.

- Security reports are an indication of the effectiveness of security programs (less is better).

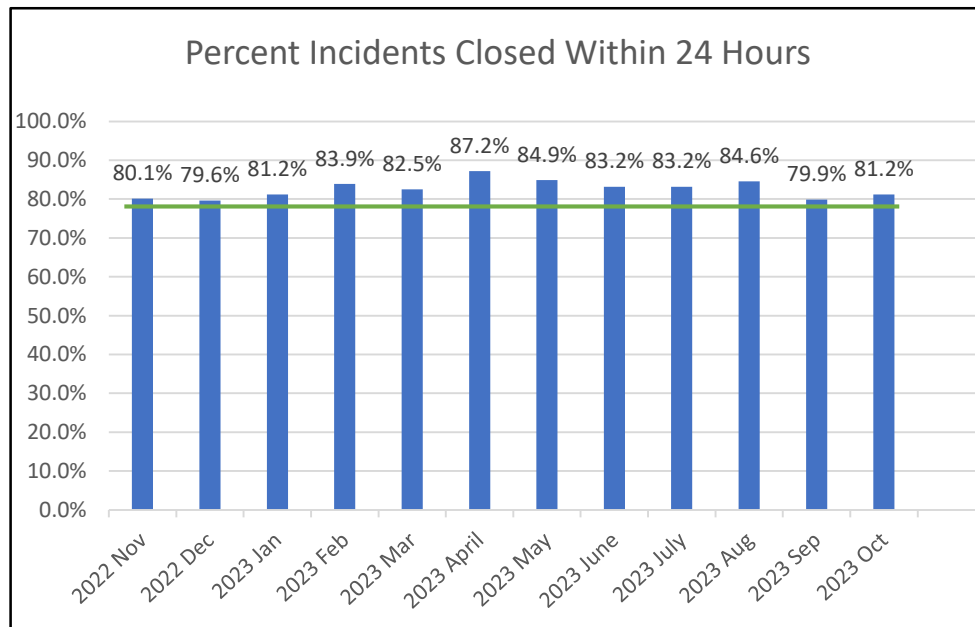


# Enterprise Resiliency – Information Technology

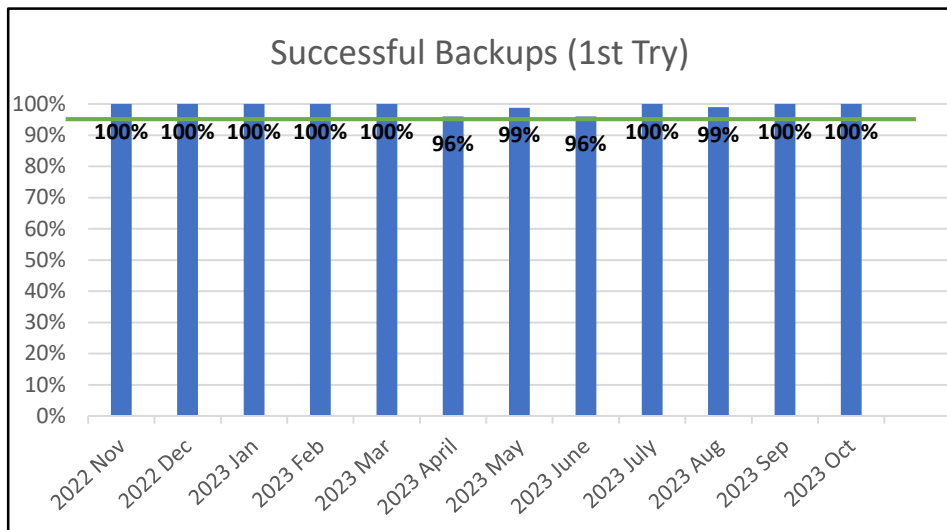


- GLWA has 42 monitored, network-connected sites, including offices, plants, pump stations, and other facilities.
- Network connectivity allows employees to access the applications needed to do their work and connects plants and pump stations to the intranet to report operational data

- An Incident is a technology issue that is preventing an employee from performing some part of their job duties
- Quick resolution of incidents increases employee productivity.
- The industry standard for 24-hour resolution is 68%

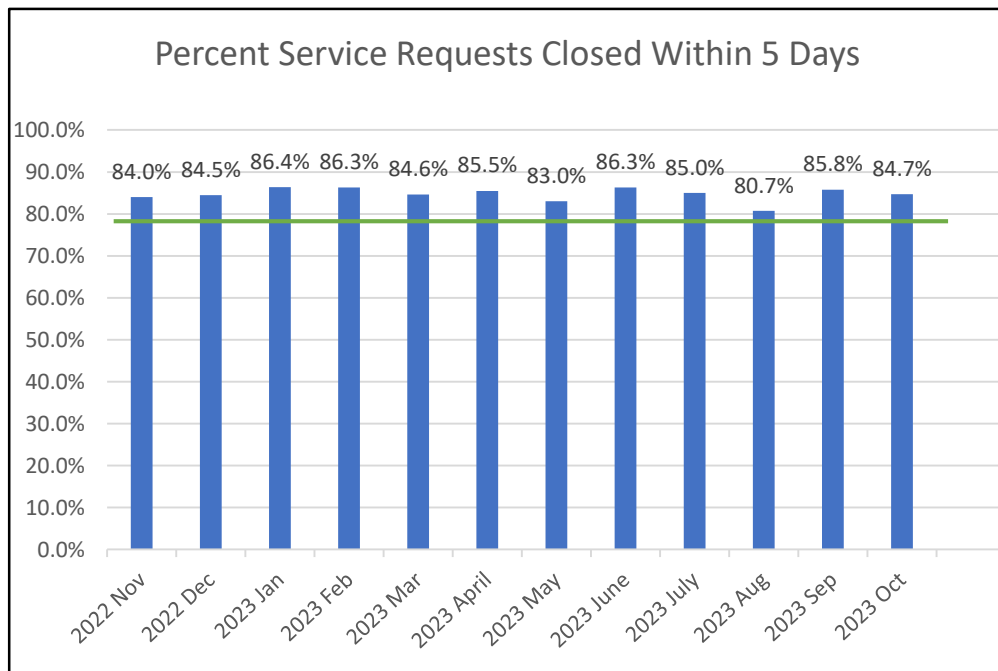


# Enterprise Resiliency – Information Technology

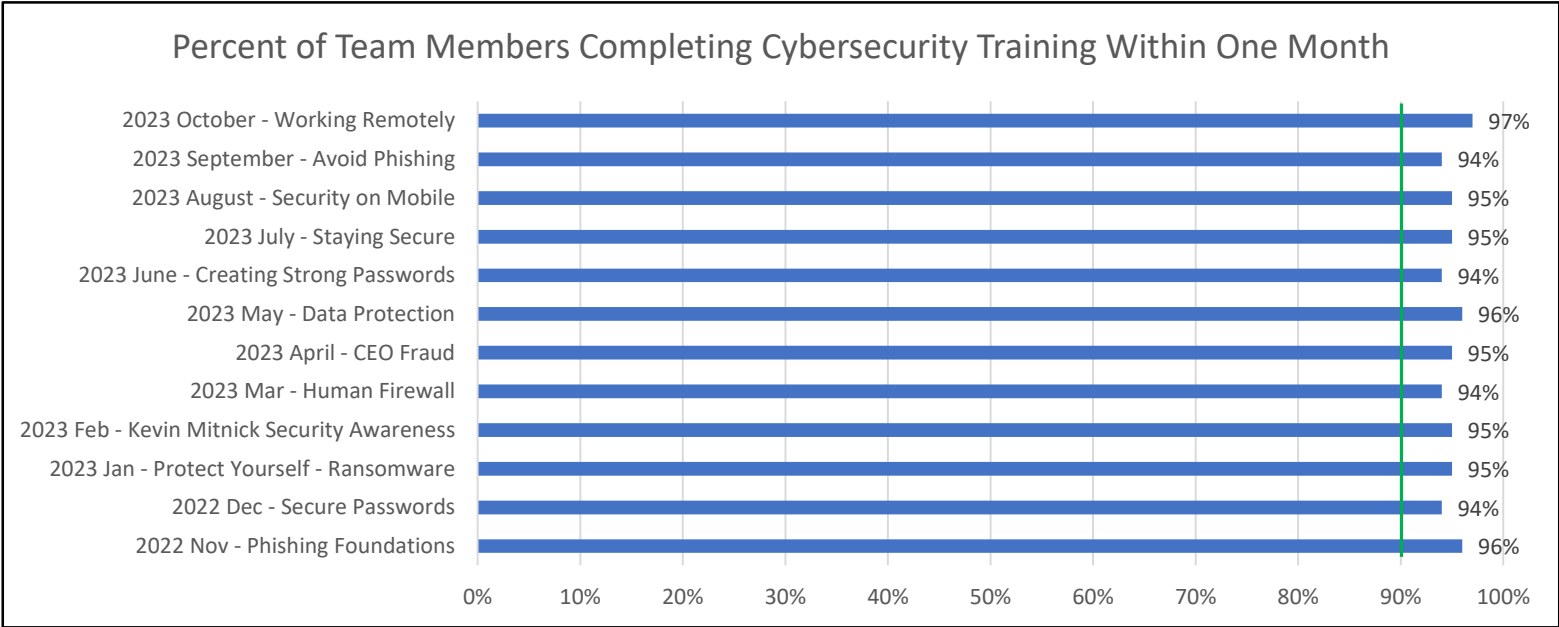


- Backups ensure that GLWA's information is safe in case of unexpected disruptions.
- Successfully backing up on the first try streamlines operations and frees up resources for other tasks.

- A service request is a request for IT work that is not preventing an employee from performing their work.
- Timely fulfilment of service requests ensure that employees have the technology resources needed to do their jobs and increases job satisfaction.



# Enterprise Resiliency – Information Technology



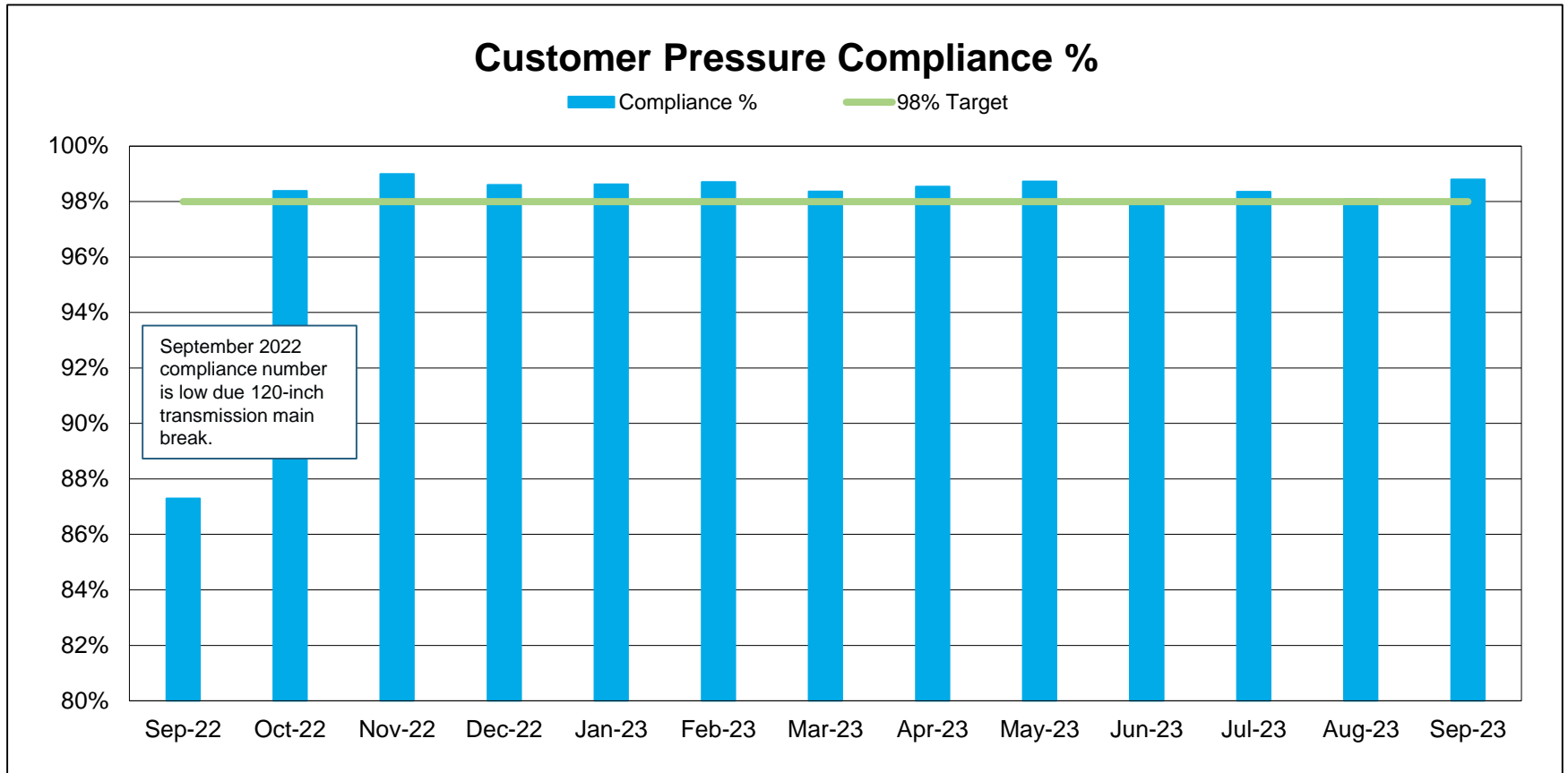
- End users are responsible for 80 percent of cybersecurity breaches.
- Well trained users are less likely to take action that could cause a breach



A dynamic splash of blue water with bubbles and ripples, set against a light blue background. The water is captured in motion, creating a sense of freshness and movement.

# EUM Attribute: Customer Satisfaction

# Customer Satisfaction – Water & Field Services



**Operational Resiliency:** To exceed customer compliance by being greater than 98% of contractual pressures.

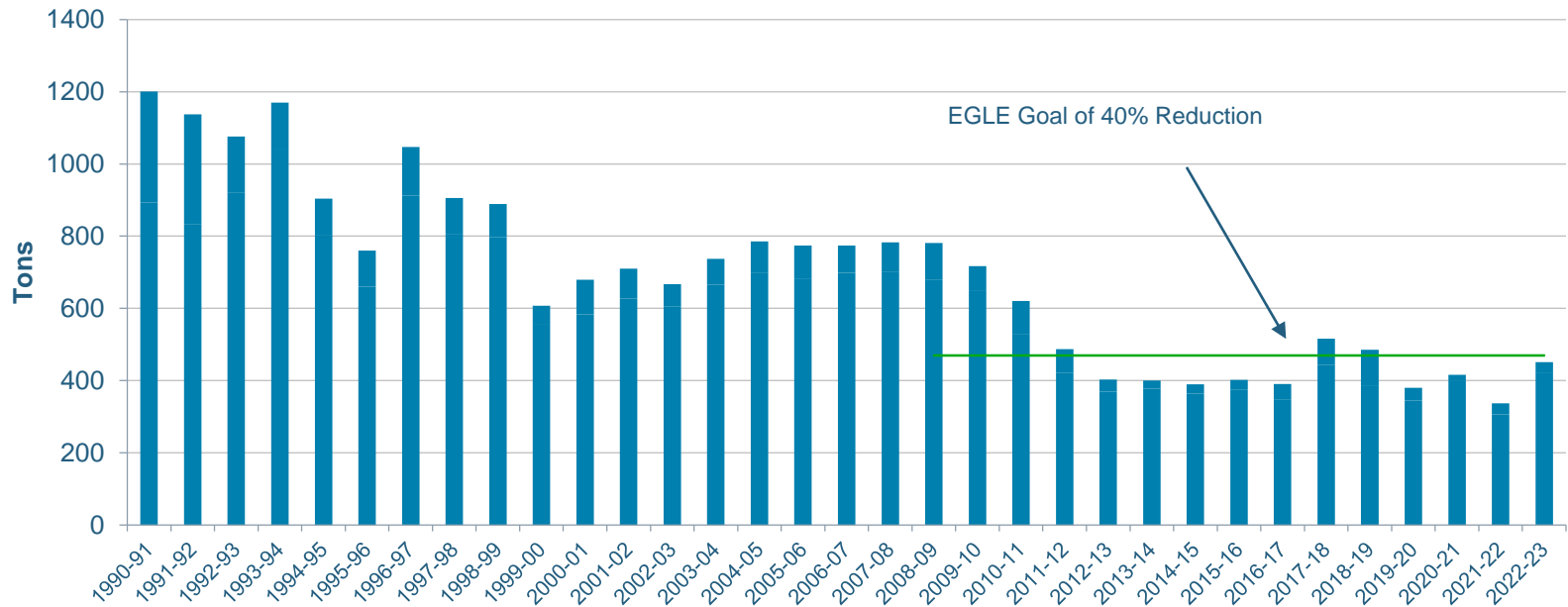
A dynamic splash of water in shades of blue, with bubbles and ripples, set against a light blue background. The water is captured in motion, creating a sense of freshness and movement.

# EUM Attribute: Community Sustainability

# Community Sustainability – Watershed Health

- State and Federal regulators have a goal of 40 percent reduction in phosphorus loading in the Western Lake Erie Basin.
- GLWA has surpassed the State and Federal goal.

Effluent Phosphorus Loading  
July 1990 to June 2023

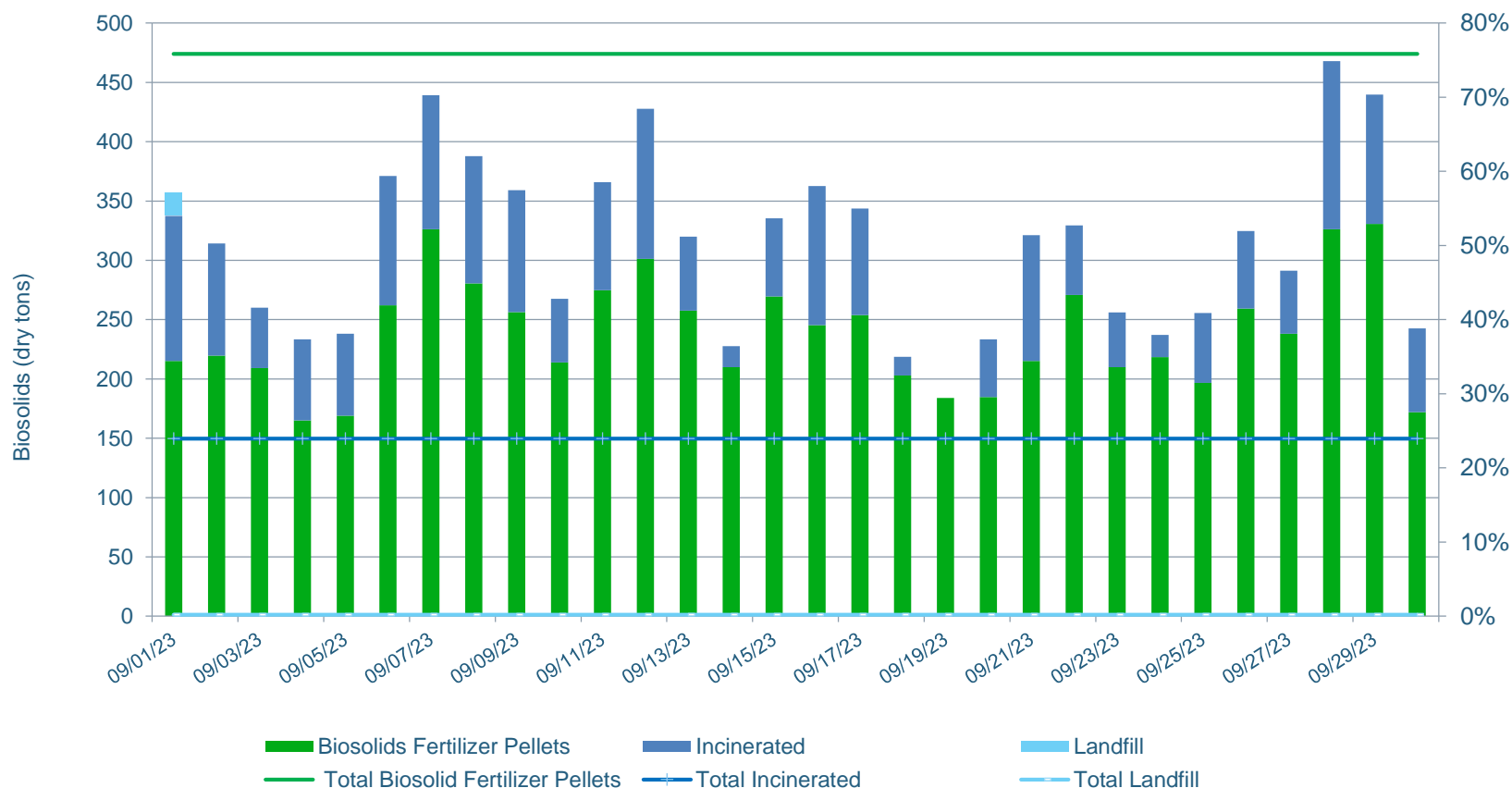


A dynamic splash of clear blue water against a light blue background, with bubbles and ripples visible. A semi-transparent blue horizontal band is overlaid across the middle of the image, containing the main text.

# EUM Attribute: Water Resource Sustainability

# Water Resource Sustainability – Biosolids Handling by Method

- GLWA strives to increase nutrient recovery and beneficial reuse of biosolids.
- Use of the biosolids dryer facility for solids handling is preferred because it uses biosolids for the production of fertilizer pellets.



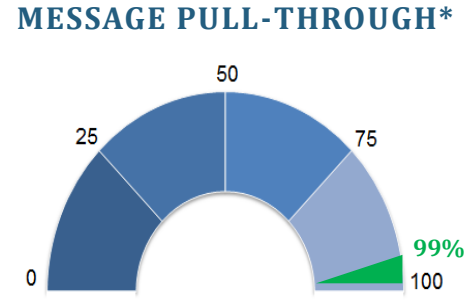
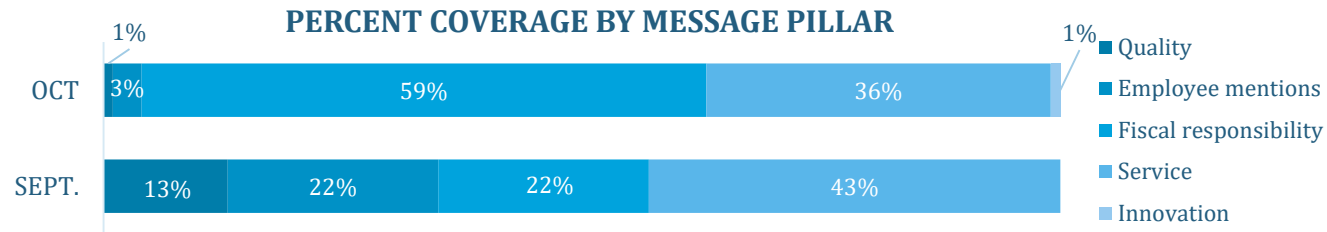


A dynamic splash of blue water against a light blue background, with bubbles and ripples visible throughout the scene.

# **EUM Attribute: Stakeholder Understanding and Support**

# TRADITIONAL MEDIA SUMMARY

Traditional media coverage was mostly neutral, with the focus being on Highland Park City Council's approval of a tentative agreement with GLWA. Proactive coverage was around the start of the next phase of GLWA's 96-inch water transmission main project in partnership with the Road Commission for Oakland County (RCOC). Other coverage included a Michigan Radio and Planet Detroit story, which is part of an ongoing storytelling series on regional infrastructure needs and features a proactive interview with Suzanne Coffey. Of this month's media coverage, **99 percent included a GLWA quote or message**.

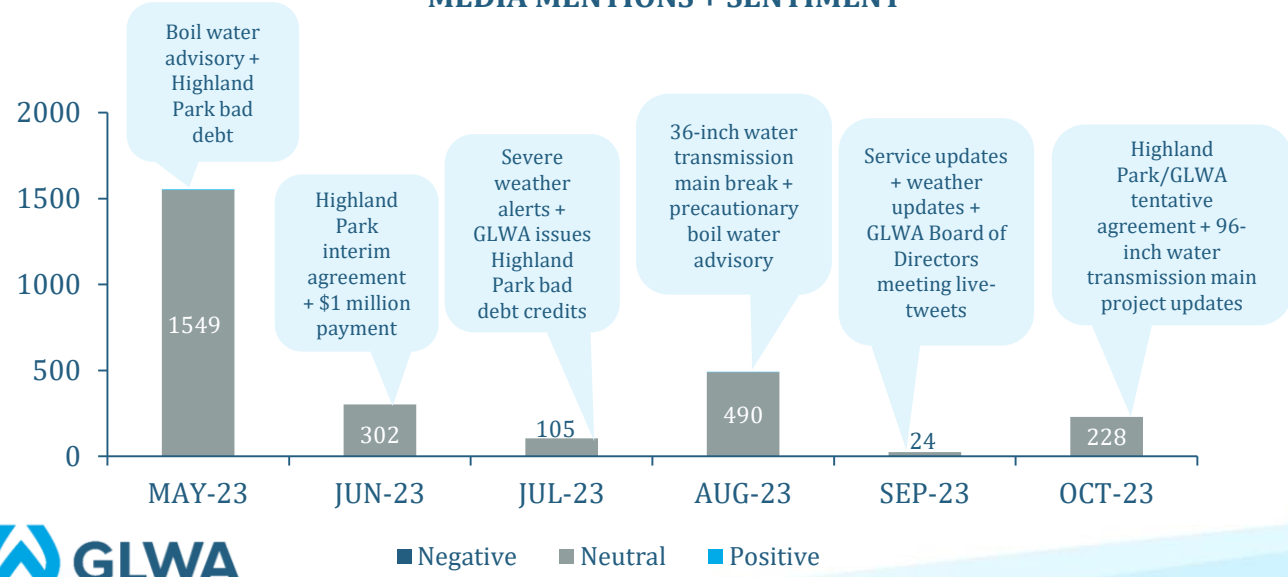


**99%** of non-cursory coverage included a GLWA message  
(GOAL = 75%)

MEDIA VOLUME: 229  
CURSORY OR FLINT MENTIONS: 93  
INCLUDED GLWA MESSAGE: 136

\*Message pull-through includes quotes or comments from a GLWA spokesperson, a quote from a GLWA press release or underlying theme of GLWA providing safe and clean water.

### MEDIA MENTIONS + SENTIMENT

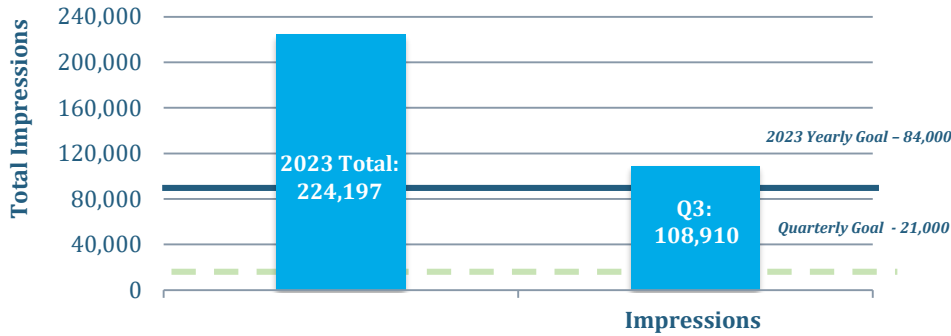


# FACEBOOK & X QUARTERLY REVIEW



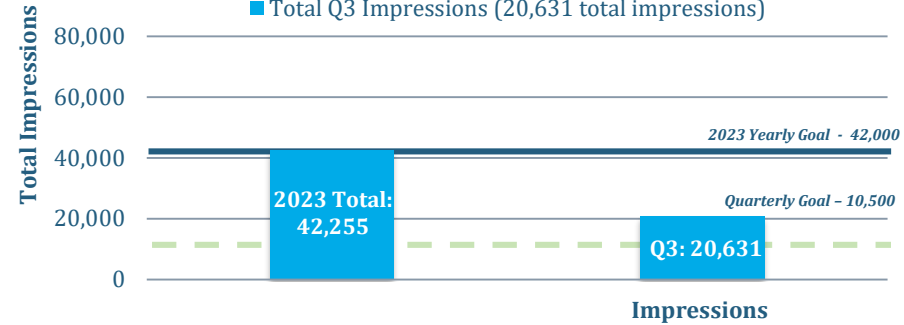
## Facebook - Total Impressions Q3 2023

- Yearly Goal (84,000 impressions/year)
- Quarterly Goal (21,000 impressions/quarter)
- Total Q3 Impressions (108,910 total impressions)



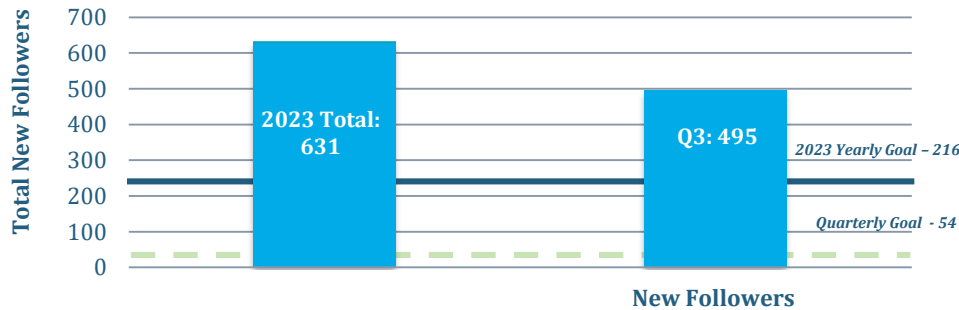
## X - Total Impressions Q3 2023

- Yearly Goal (42,000 impressions/year)
- Quarterly Goal (10,500 impressions/quarter)
- Total Q3 Impressions (20,631 total impressions)



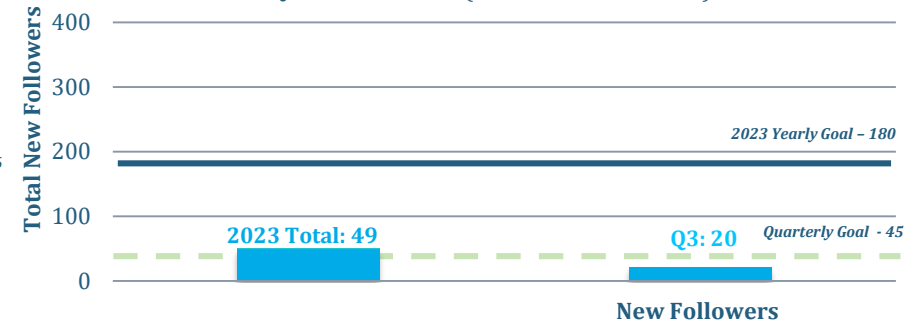
## Facebook- Total New Followers Q3 2023

- Yearly Goal (216 new followers/year)
- Quarterly Goal (54 new followers/quarter)
- Q3 New Followers (495 total new followers)



## X - Total New Followers Q3 2023

- Yearly Goal (180 new followers/year)
- Quarterly Goal (45 new followers/quarter)
- Q3 New Followers (24 total new followers)

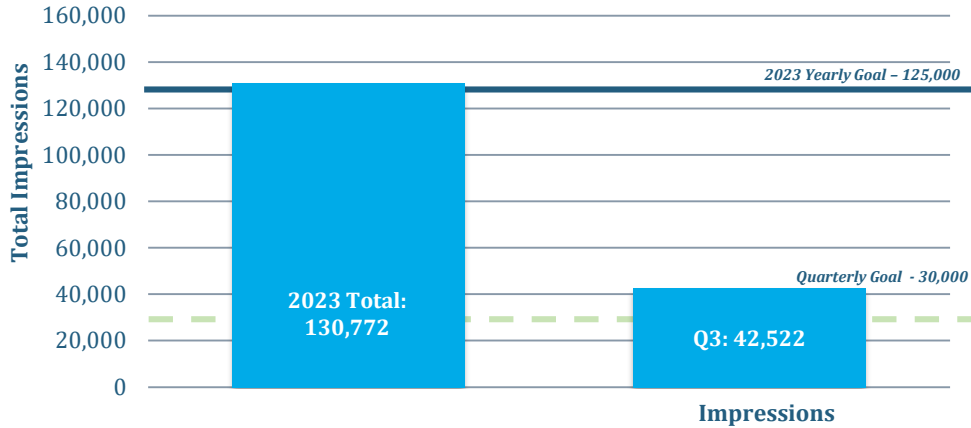


# LINKEDIN QUARTERLY REVIEW



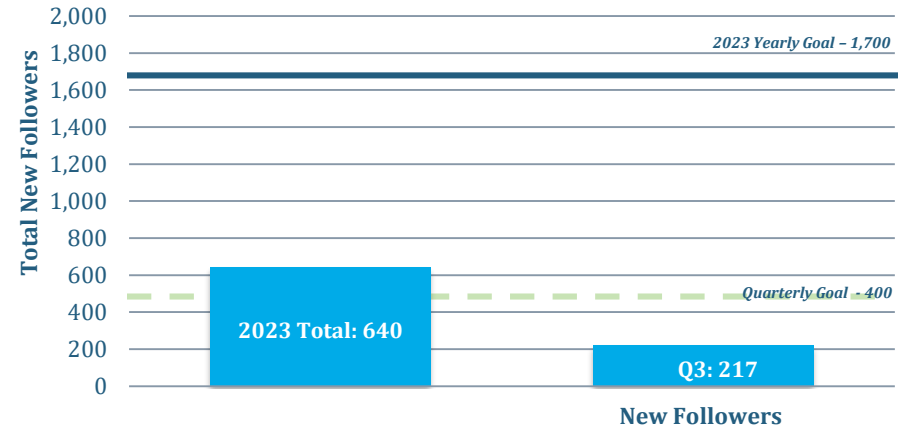
## LinkedIn - Total Impressions Q3 2023

- Yearly Goal (125,000 impressions/year)
- Quarterly Goal (30,000 impressions/quarter)
- Total Q3 Impressions (42,522 total impressions)



## LinkedIn - Total New Followers Q3 2023

- Quarterly Goal (400 new followers/quarter)
- Q2 New Followers (186 total new followers)
- Q2 New Followers (186 total new followers)



### LinkedIn follower growth recommendations:

- Remain consistent with post cadence.
- Post more video and visual content.
- Consider posting more thought-provoking infographics, such as the Source Water Protection week post, which performed well.
- Continue to respond to comments and actively engage with followers.

• Q3: July 2023 – September 2023

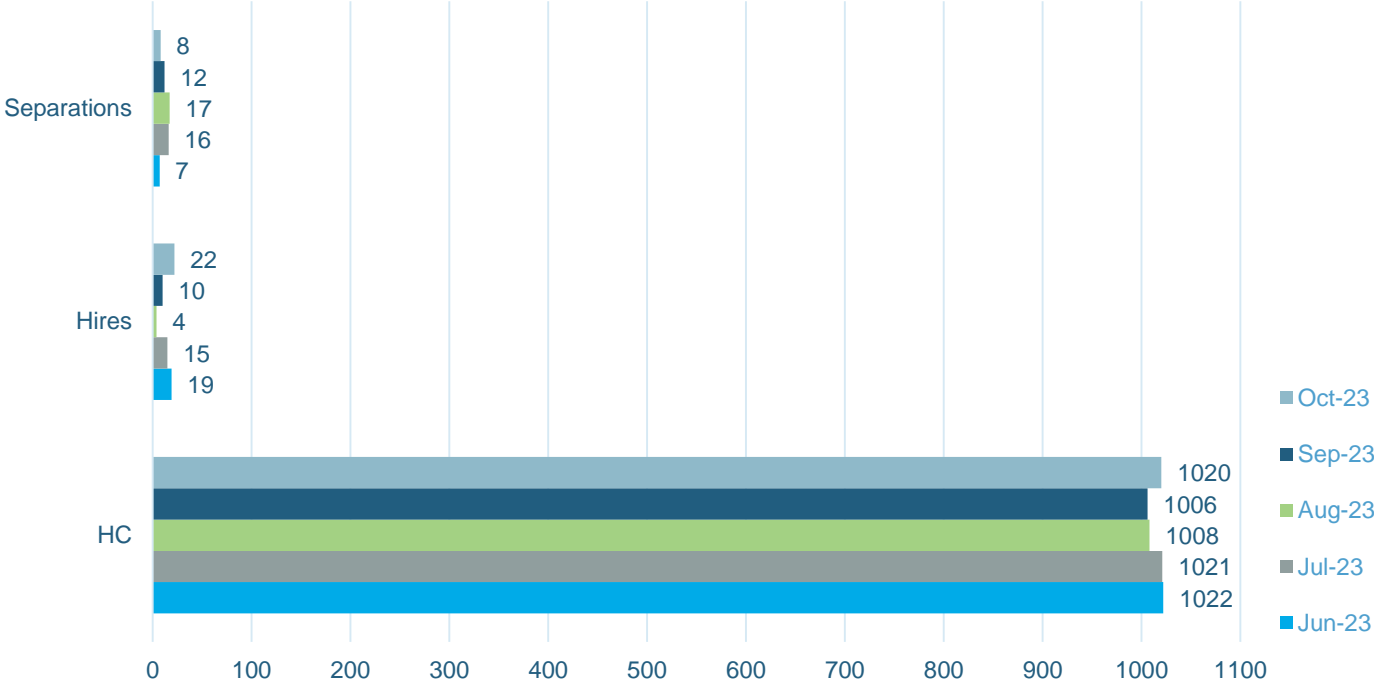
A dynamic splash of clear water against a light blue background, with a semi-transparent blue horizontal band across the middle containing white text.

**EUM Attribute:**

**Employee and Leadership Development**

# Organizational Development

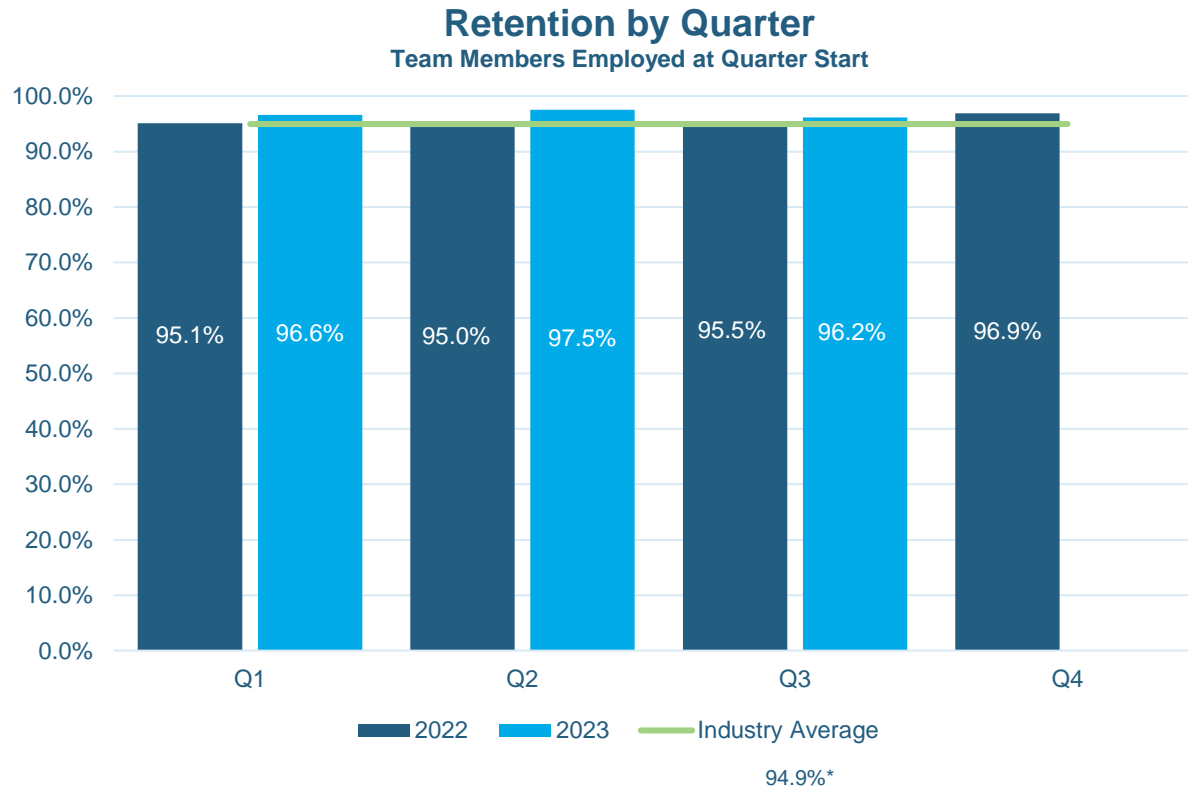
GLWA  
June - October 2023 Headcount, Hires, & Separations



*\*Headcount is as of month end*



# Organizational Development



- Retention leads to decreased training costs, increased productivity, and cross training and development.

\*From the U.S. Bureau of Labor Statistics 10-Oct-2016 report for the sector "State and Local Government, Excluding Education."

*\*This is a quarterly slide that will next be updated in January's report.*