

# South Granville Water And Sewer Authority

## Executive Director's Monthly Project Update Report

### May 2026

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**To:** SGWASA Board Members

**From:** Scott N. Schroyer, Executive Director *SNS*

**Topic:** Topics Update Report for May 2026

**Date:** Report Issue Date 6/5/2026

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### Executive Summary

SGWASA continued to make strong progress across major capital projects, regulatory programs, and operational initiatives during May 2026, while remaining fully compliant with all state and federal requirements.

**PFAS Mitigation:** The NC State Water Infrastructure Authority approved \$10.66M in funding, with additional funding anticipated. Design is advancing toward the 60% milestone, and Phase 2 pilot testing is moving forward. Final funding documentation remains pending NCDEQ's Letter of Intent to Fund.

**I-85 Sewer Improvement Program:** Construction Package #1 and #2 (Southern Interceptor) both remain on schedule and within budget. The Northern Interceptor segment remains deferred pending Board direction on funding.

**Water Treatment Plant Improvements:** The filter media replacement project is complete, restoring treatment capacity. Final project closeout is underway.

**Water Meter Replacement Program:** The Creedmoor meter replacement program is 53% complete and remains on track for completion by August 1, 2026.

**Water Quality Improvements & Flushing Program:** System modeling and infrastructure assessments are ongoing. Due to drought conditions, the unidirectional flushing pilot has been postponed, with reevaluation planned for July.

**Water Treatment Master Plan (AIA Grant):** Work is underway with McGill Associates. The project schedule has been extended to March 2027 to accommodate specialized inspection needs.

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### Project Dashboard

Project ID	Page #	Project Name	Status	Budget	Timeline	Key Update	Next Steps
1	6	PFAS Mitigation	● On Schedule	\$25M–\$30M; \$3.21M design; +\$10.66M pending LOIF	2024–2029	Phase 2 pilot testing approved (CDM Smith, \$500K); SWIA approved \$10.66M loan/grant package.	Implement pilot Phase 2; refine funding strategy (incl. USDA) and maintain schedule for Apr 2029 compliance
2	9	I-85 Sewer Upgrade – CP#1	● On Schedule	\$34.8M	2025–2028	Haren Construction started 4/1/25; work is on schedule and budget.	Continue construction; monitor schedule and budget.
2	9	I-85 Sewer Upgrade — CP#2 (Southern Interceptor)	● On Schedule	Not to exceed \$30.24M (USDA-supported)	2025–2028	Park Construction started 11/1/25; Southern Interceptor underway; Northern Interceptor (~\$8M) deferred pending Board review.	Continue CP#2 work; Board to address Northern Interceptor funding.

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Project ID	Page #	Project Name	Status	Budget	Timeline	Key Update	Next Steps
3	109	Lead & Copper Rule	● On Schedule	TBD	2022–ongoing	Annual notices completed; service-line ID pilot underway.	Continue verifications and required notifications.
4	11	Water Meter Replacement	● On Schedule	\$1,000,000	Jan–Aug 2026	Project started Jan 2026; 53% complete.	Continue replacements; target completion before Aug 1, 2026.
5	12	Filter Media Replacement	● Substantially Complete	\$987,528 construction (plus \$245K design)	2025–Spring 2026	Filter media/nozzle replacement substantially complete; final closeout and billing expected in May.	Complete closeout; report final project cost next month.
6	12	AIA Grant Project for Water Infrastructure Assessment	● Substantially Complete	\$150K grant (no match)	2023–May 1, 2026	Project scheduled for completion 5/1/26; awaiting final report from McGill.	Receive and review final report; close out grant deliverables.
7	12	AIA Grant Project for Wastewater Infrastructure Assessment	● Substantially Complete	\$200K grant (no match)	Awarded 2023; Active Work 2024–	Project scheduled for completion 5/1/26; awaiting	Receive and review final report; close out grant

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Project ID	Page #	Project Name	Status	Budget	Timeline	Key Update	Next Steps
					May 1, 2026	final report from McGill.	deliverables.
8	13	CIP# 101-10 Water Valve Replacement Project at the Water Treatment Plant – Design & Construction	 On Hold	\$155,980 (design); ~\$710,000 probable construction cost	2024–2026	Design 100% complete; project paused; will move to public bidding in 2026 with updated CIP.	Coordinate 2026 public bid timing with CIP update.
9	14	CIP# 102-10 Water Quality Improvements	 On Schedule	\$227,340	Fall 2024–late 2026	Hazen & Sawyer project ongoing; modeling, flushing program development, and booster/control assessments in progress.	Continue work toward late-2026 completion and deliver project technical memorandum.
10	15	Unidirectional Hydrant Flushing Pilot Project – City of Creedmoor SGWASA Service Area	 In Progress (Weather Dependent)	\$45,000 (FY25–26 engineering projects budget)	May–Aug 2026 (Adjusted)	Valve and hydrant exercising is actively underway and will continue through June. Flushing has been	Continue system preparation and monitoring. Reassess conditions in early July to determine whether

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Project ID	Page #	Project Name	Status	Budget	Timeline	Key Update	Next Steps
						postponed due to hot weather and drought conditions, with Lake Holt levels under evaluation.	flushing can proceed in July or be delayed to August.
11	15	CIP# 101-01 Water Treatment Master Plan: AIA Grant Funded	● On Schedule (Revised Timeline)	\$150K grant + \$30K match	Dec 2025– Mar 2027 (requested extension)	Project is underway with McGill Associates. NCDEQ approved a schedule extension to March 2027 due to challenges coordinating the Lake Holt intake inspection.	Continue asset evaluation and master planning activities; complete deliverables by March 2027.

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## Project Narratives

### 1) PFAS Mitigation Strategies Program

- a) **Background:** PFAS (“forever chemicals”) were detected in SGWASA’s source water. On April 10, 2024, EPA finalized enforceable drinking water standards for six PFAS compounds with MCLs as low as 4 ppt and introduced a Hazard Index for PFAS mixtures. SGWASA is required to complete initial PFAS monitoring by 2027, implement corrective actions by April 2029 if MCLs are exceeded, and provide public notification for violations beginning in 2029.

**PFAS Treatment Options & Costs:** PFAS removal can be achieved using Granular Activated Carbon (GAC), Reverse Osmosis (RO), or Ion Exchange (IX). Estimated treatment cost is \$2–\$4 per gallon per day of capacity. For SGWASA’s 7.5 MGD water plant, the investment is projected at \$15–\$30 million. The current cost estimate for the project, at the 60% design process, is \$28M.

### b) Summary of PFAS Compliance Action Plan

#### Project Progress & Schedule

- Design is advancing toward the 60% milestone, with drawings and specifications scheduled for delivery on June 23, 2026.
- A distribution system corrosion control report is under review; a workshop is tentatively planned for June 17, 2026.
- Field work (SUE soft digs) is underway to support design development.

#### Permitting

- Coordination ongoing with the Town of Butner regarding landscaping comments.
- A coordination meeting is scheduled for June 8, 2026 to resolve outstanding items.

#### Funding & Financial Planning

- USDA Funding Application: Target submittal date is October 14, 2026, subject to USDA review timelines.
- Early coordination is underway; no firm USDA review schedule has been provided.
- Emphasis is being placed on managing contingencies to avoid overstating total project cost and loan amount.
- SRF Funding: Environmental documentation is in progress and a Categorical Exclusion is anticipated.
- State Appropriations: Awaiting final SGWASA approval of submitted funding form.

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#### Permits & Regulatory

- NPDES permit renewal application is being prepared, with additional data requests forthcoming.

#### **Pilot Testing (Phase II PFAS)**

- Planning is underway for an expanded AquaPRS pilot system to gather improved operational data.
- Pilot will evaluate advanced membrane treatment (ceramic ultrafiltration) as a potential alternative to conventional filtration.
- Electrical connections for the pilot are expected to be funded through project contingency.

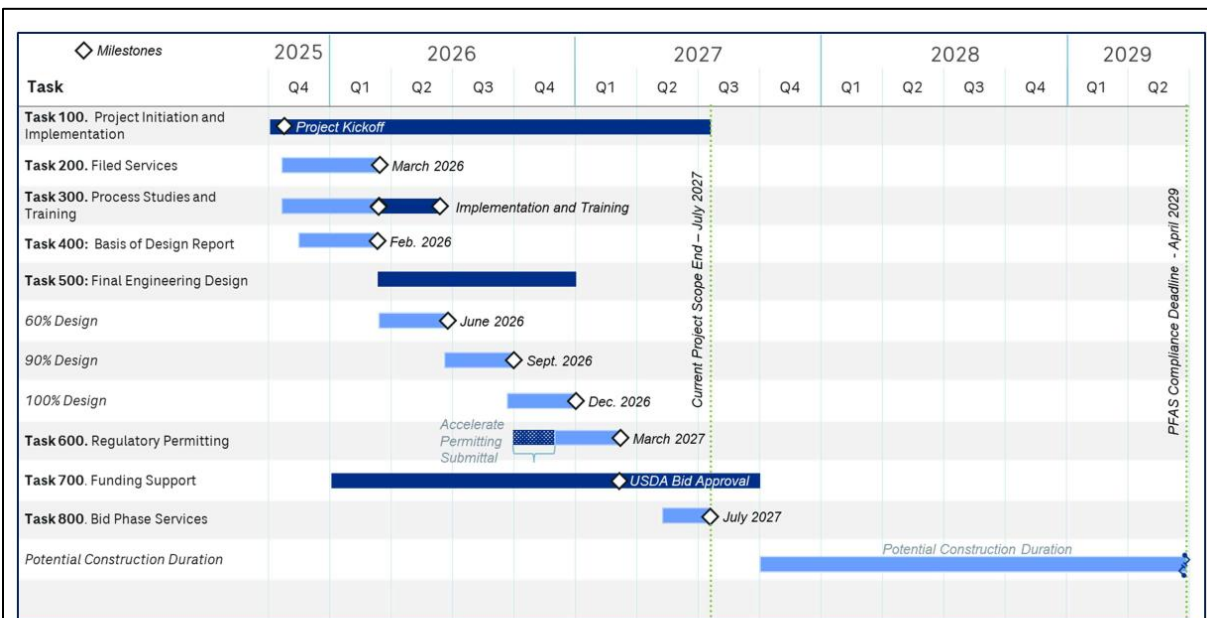
#### **c) Funding Secured to Date:**

- SGWASA received a \$5 million State Budget Grant, with approximately \$4.925 million available after administrative adjustments.
- To date, the \$4.925 grant has provided funding for a Board approved (October 2025) engineering design task order with CDM Smith in the amount of \$3,209,800. Leaving a balance of \$1,715,200.
- In March 2026, the North Carolina State Water Infrastructure Authority (SWIA) approved a total of \$10,658,880 in funding for SGWASA's \$25M-\$30M PFAS reduction water project. The award consists of a combination of loan and grant programs administered through the NC Department of Environmental Quality's Division of Water Infrastructure (NCDEQ). The summary of how much SGWASA will receive is found below:
  - \$6,658,880 in grant funding (principal forgiveness)
  - \$4,000,000 in repayable loans
- In June 2026, SGWASA was notified by the Division of Water Infrastructure that, due to a legislative correction in S.L. 2025-4, SGWASA will receive an additional \$3,000,000 in funding under S.L. 2023-134. In addition, SGWASA has been offered an additional \$500,000 in IIJA DWSRF Emerging Contaminants (EC) principal forgiveness funding.
- This financial assistance package reduces the amount of long-term debt SGWASA must issue for this project and represents a substantial financial benefit to our customers while allowing us to remain on schedule to meet the EPA's April 2029 PFAS compliance deadline. Staff continues to evaluate how this confirmed loan and grant mix fits within SGWASA's overall draft funding strategy, which also includes coordination with USDA financing assistance, yet to be determined.

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- **Overall Status:**

- Engineering design is underway, and the installation of PFAS treatment systems is scheduled to meet the federal EPA compliance deadline. Future operational costs associated with PFAS treatment will be incorporated into SGWASA’s long-range financial planning. The design and construction schedule is shown below.



**FIGURE 1: PFAS Treatment System Design and Construction Schedule**

*Note: The schedule was estimated from similar past projects, and ENGINEER does not control permitting or construction timelines.*

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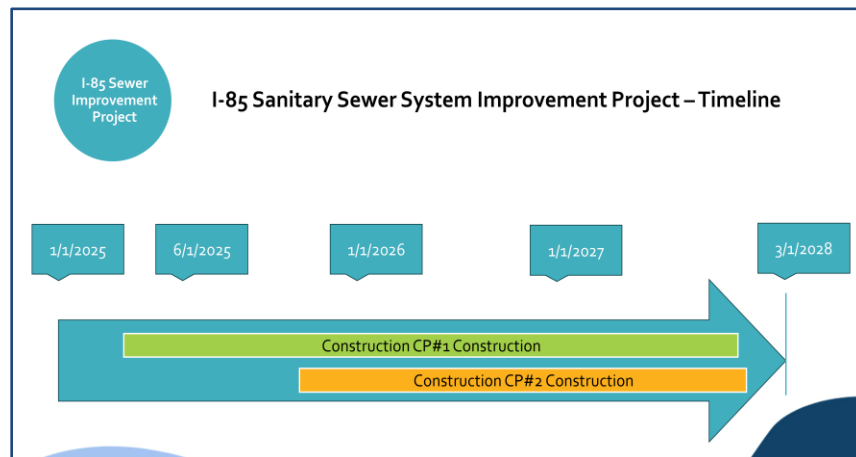
### 2) I-85 Sanitary Sewer System Improvement Project

**a) Background:** SGWASA serves southern Granville County, including Creedmoor, Butner, and Stem. Due to maxed-out wastewater system capacity, a development moratorium was enacted in 2018 for parts of Creedmoor and Butner. From 2019–2025, SGWASA collaborated with partners to design and fund a solution. CDM-Smith completed engineering plans and split the project into two construction packages: CP#1: Bid in July 2024; contract awarded to Haren Construction for \$34.8M in December 2024. CP#2: Bid in May–June 2025. Total estimated project cost: \$75 million.

**Note:** Due to the proposed costs and budget constraints associated with the proposed work associated with CP#2, only the construction of the Southern Interceptor Sewer will be completed at this time. On February 27, 2026, The Finance Committee reviewed the \$8M cost for the Northern Interceptor and considered funding recommendations from staff. Further discussion is planned with the SGWASA Board of Directors at an upcoming meeting, yet to be scheduled.

**b) CP#1 Status:** (In Progress/On Schedule): CP#1 includes the construction of two new sewer pump stations and the installation of new sewer pipe (gravity and force main). Haren Construction started construction on 4/1/25. Construction remains on schedule and within budget.

**c) CP#2 Status:** (In Progress/On Schedule): CP#2 includes the installation of new sewer pipe (gravity and force main), with a major pipeline crossing under I-85. Park Construction, NC, Inc. started construction on 11/1/25. Construction remains on schedule and within budget. A project timeline is shown below.



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### 3) USEPA Lead & Copper Program Update Creates Mandatory Compliance Activities for All Water Service Providers.

**a) Background:** The U.S. Environmental Protection Agency’s (EPA’s) Lead and Copper Rule Revisions went into effect December 16, 2021. The EPA’s new Lead and Copper Rule better protects children and communities from the risks of lead exposure by better protecting children at schools and childcare facilities, getting the lead out of our nation’s drinking water, and empowering communities through information. Please read more about this program below by clicking on the Fact Sheet.

**EPA Lead & Copper Program [Fact Sheet](#)**

**b) Status (In Progress/On Schedule):** Since 2022, SGWASA has been working with Hazen & Sawyer to manage this program. Staff is also working with a local service provider to establish a pilot program to identify service line materials.

[Click here to take the personal reporting survey.](#)

### The final rule focuses on key areas that will protect our communities

 <p><b>Achieving Lead Pipe Replacement Within 10 years</b></p>	 <p><b>Locating Legacy Lead Pipes</b></p>
 <p><b>Improving Tap Sampling</b></p>	 <p><b>Lowering the Lead Action Level to 10 µg/L</b></p>
 <p><b>Strengthening Protections to Reduce Exposure</b></p>	 <p><b>Communicating Transparently and Frequently</b></p>

For more information, see <https://www.epa.gov/dwreginfo/lead-and-copper-rule>

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### 4) SGWASA - City of Creedmoor Service Area Water Meter Replacement Program

- a) **Background:** SGWASA operates about 6,600 water meters systemwide, including roughly 2,200 older meters in the Creedmoor service area that are no longer performing optimally. To improve accuracy and modernize the system, SGWASA contracted a specialized firm to replace these aging meters. This work is included in the Capital Improvement Plan (Project ID# 102-05) with a total budget of \$1,000,000.
  
- b) **Status (In Progress/On Schedule):** The water meter replacement project began in January 2026 and is expected to be completed by August 1, 2026. The contractor is replacing several hundred water meters per month. To date, 53% of the water meters have been replaced.

For more information on this project, please visit  
<https://www.sgwasa.org/post/creedmoor-water-meter-replacement-program>



*Image: Example of the new water meter that SGWASA will be installing during this project.*

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### 5) Water Treatment Plant Filter Analysis: Filter Media Replacement Needed

- a) **Background:** In 2024, SGWASA experienced water production issues at the water treatment plant related to aging filter media and underdrain nozzles. After evaluating the system, Hazen recommended replacement of the filter media and rehabilitation of the filters to restore performance and reliability. The Board awarded the construction contract in August 2025.
- b) **Status** (  Substantially Complete): The filter media and nozzle replacement project for all five filters has now been completed. The work restored critical treatment capacity and was delivered within the authorized construction budget of \$987,528. Final administrative closeout is underway, and the project can now be reported as complete.

### 6) AIA Grant Project for Water Infrastructure Assessment

- a) **Background:** The NCDEQ AIA Grant Program provides up to \$150,000 over three years to help utilities improve system management and asset planning. SGWASA received a \$150,000 AIA grant in 2021 for the Water Distribution System; because it was funded with ARPA dollars, no local match was required. Working with McGill Associates, SGWASA completed the grant application, scope of services, and task order. The project includes system inventory updates, master planning, hydraulic modeling, a water audit, asset management planning, CIP updates, work order system recommendations, and preparation of the final report.
- b) **Status** (Substantially Complete): SGWASA is awaiting the final report from McGill Associates for this project.

### 7) AIA Grant Project for Wastewater Infrastructure Assessment

- a) **Background:** NCDEQ administers the AIA Grant Program to help water and wastewater utilities improve asset management and long-term financial planning. Eligible activities include asset inventories and condition assessments. SGWASA applied for the program in September 2022 and received a \$200,000 AIA grant in March 2023 for the Wastewater Collection System; because it was funded with state ARPA dollars, no local match was required. SGWASA worked with McGill Associates to prepare the grant application and develop the scope of services submitted to NCDEQ for review.
- c) **Status** (  Substantially Complete): SGWASA is awaiting the final report from McGill Associates on this project.

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### 8) CIP# 101-10 Water Valve Replacement Project at the Water Treatment Plant – Design & Construction

- a) **Background:** SGWASA has experienced recurring leaks and valve failures along the water main between the clear well and finished pumps, highlighting erosion issues and the need for better bypass options and system redundancy. Hazen and Sawyer is evaluating repair alternatives and preparing final design, permitting, and bid documents. The evaluation and design cost is \$155,980, with construction costs to be finalized once the preferred repair option is selected.
- b) **Status** (  On Hold ): Hazen & Sawyer's design work is 100% complete. The probable construction cost is \$710,000, and due to its size, the project will move to public bidding in 2026 in coordination with the updated CIP.



*Images: SGWASA Water Treatment Plant – Valve Replacement Project Area.*

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### 9) CIP# 102-10 Water Quality Improvements

- a) Background:** SGWASA has expressed concerns with the following items related to the water distribution network:
- The system does not currently have a hydrant flushing program to proactively help prevent water quality issues.
  - Water quality and chlorine residual issues at booster stations throughout the distribution system.
  - The lack of water tower control within the distribution system.

For this project, Hazen and Sawyer will be conducting a preliminary investigation and will perform the following tasks:

- Data collection and data review.
- Water hydraulic model update and calibration
- Developing hydraulic model simulations of water age in the distribution system.
- Developing a hydrant flushing program.
- Performing assessments of the water booster pump stations.
- Evaluating the water distribution system control network and then developing improvements based on the data.

**Project deliverables include:**

- Unidirectional Hydrant Flushing Program (see more information on this project below)
- Draft and Final Booster Pump Station Assessment TM
- Draft and Final Distribution System Control Assessment TM
- Updated hydraulic model

The total cost for the project is \$227,340.00.

- b) Status** (  In Progress/On Schedule): This project is being performed by Hazen & Sawyer. The project was initiated in the fall of 2024. The goal is to complete this project in late 2026.

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### 10) Unidirectional Hydrant Flushing Pilot Project – City of Creedmoor SGWASA Service Area

- a) **Background:** SGWASA has developed a pilot unidirectional flushing program in the Golden Pond subdivision in Creedmoor to improve water quality and system operations. The pilot covers about 5.3 miles of water main and includes model updates, a flushing plan, field support, and customer communication. The \$45,000 cost is funded through the FY 2025–2026 engineering projects budget.
  
- b) **Status** (  In Progress ): Utility crews are actively performing valve and hydrant exercising, which will continue through June. Due to hot weather and localized drought conditions, the June flushing schedule has been postponed. SGWASA is monitoring Lake Holt water levels and will determine in early July whether flushing can proceed in July or be delayed to August. Hydraulic model refinements and customer communication planning remain ongoing.

### 11) CIP# 101-01 Water Treatment Master Plan: AIA Grant Funded

- a) **Background:** SGWASA was awarded a \$150,000 NCDEQ grant to complete a Water Treatment Plant Master Plan and is partnering with McGill Associates. SGWASA will provide the required 20% match (\$30,000). The project includes updating asset inventories, evaluating critical infrastructure condition, and advancing long-term asset management planning.
  
- b) **Status** (  In Progress ): The Board approved grant acceptance in October 2025 and the McGill task order in November 2025. The project began in December 2025. Due to delays in securing a diver for the Lake Holt intake inspection, NCDEQ approved an extension to March 2027.

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**Board Actions (Past 90 Days)**

<b>Board Meeting Month/Year</b>	<b>Topic</b>	<b>Status</b>
<b>March 2026</b>	Bio-Solids Management: Award of Contract	Approved by the Board of Directors.
<b>March 2026</b>	Generator Preventative Maintenance – Contract Award	Approved by the Board of Directors.
<b>April 2026</b>	Oath of Office: Mayor Pro-Tem Archer Wilkins, City of Creedmoor Commissioner	Administered by Attorney Wrenn
<b>April 2026</b>	Proposed FY2026-27 Budget Review	Board members reviewed and commented. They will continue discussion on this topic at the May Board meeting.
<b>April 2026</b>	Public Hearing -Proposed Fiscal Year 2026-2027	The Board held the required public hearing.
<b>April 2026</b>	PFAS Pilot 2 DEQ Resolution of Acceptance	The Board approved this item.
<b>April 2026</b>	PFAS Pilot 2 CDM Smith Scope and Fee Approval	The Board approved this item.
<b>April 2026</b>	Arbitrage Award of Contract	The Board approved this item.
<b>April 2026</b>	Budget Amendments #11 & #12	The Board approved these items.
<b>May 2026</b>	National Public Works Week Proclamation	The Board approved this item.
<b>May 2026</b>	Proposed FY2026-27 Budget Review	The Board approved the FY2026-27 Budget
<b>May 2026</b>	Write off of Accounts Receivable	The Board approved this item.
<b>May 2026</b>	FY2025-26 3rd Quarter Financial Review - Presentation	The Board approved this item.

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**Utility Operations Highlights**

**Water Distribution System Topics**

1. None.

**Wastewater Collection System Topics**

- 1) Sanitary Sewer Overflows (SSO's):
  - a) None.
- 2) Other Topics: None

**Water Treatment Plant Topics**

- 1) None.

**Wastewater Treatment Plant Topics**

- 1) None.

**Utility Customer Service/Administration Topics**

- 1) No operating issues.

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### **Staffing Summary**

The FY25-26 Budget authorized 52 full-time employees. The current staffing level is above 98%. The following is a breakdown of the status of several vacancies.

#### **Vacant Positions – Currently Advertising and/or Interviewing**

Wastewater Treatment Operator (1)

#### **Vacant Positions – Final Candidate Selected/Pending Background Checks**

None

#### **Recent New Hires**

Utility Maintenance Mechanic (1)

Utility Pump Mechanic (1)

#### **Recent Internal Promotions**

None

*(End of Report)*