

# South Granville Water And Sewer Authority

## Executive Director's Monthly Project Update Report

### January 2026

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**To:** SGWASA Board Members

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

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

**Date:** Report Issue Date 2/6/26

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### Executive Summary

This report provides an overview of SGWASA's key capital, regulatory, and operational initiatives for January 2026. Major programs—including PFAS Mitigation, I-85 Sewer Upgrades, Lead & Copper Rule compliance, and the Water Meter Replacement Program—remain on schedule. PFAS Pilot Phase 1 was completed in December 2025, with Phase 2 underway in early 2026. I-85 Sewer Upgrade construction continues across both CP#1 and CP#2 with funding coordination ongoing. Lead & Copper Rule compliance activities continue with required annual customer notifications. Water Meter Replacement for the Creedmoor service area is progressing toward July 1, 2026 completion. Additional initiatives such as the Financial Software Upgrade, Filter Media Replacement, and AIA Grant Projects for Water and Wastewater systems also remain active and on track. January operations experienced no significant treatment or collection system issues, and staffing levels remain at 98%.

- PFAS Pilot Phase 1 completed; Phase 2 underway.
- I-85 Sewer Upgrade CP#1 and CP#2 in progress (funding risk noted) with Southern Interceptor proceeding; Northern Interceptor deferred pending funding.
- Lead & Copper annual notifications mailed Dec 2025.
- Water Meter Replacement project on track for 7/1/26 completion.
- Filter Media Replacement progressing on schedule.

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#### Project Dashboard

| Project ID | Page # | Project Name                                     | Status                             | Budget   | Timeline     | Key Update   | Next Steps  |
|------------|--------|--|------------------------------------|--|--------------|--|---|
| 1          | 4      | PFAS Mitigation                                  | ● On Schedule                      | \$25M–\$30M (program); \$3.21M design funded from \$5M grant | 2024–2029    | Phase 1 pilot concluded Dec 2025; final report Jan 2026. Phase 2 (\$500k) underway; design/bidding progressing under \$3.21M task order. | Begin Phase 2 field work; pursue Spring 2026 SRF decision on \$26M; continue design toward bid. |
| 2          | 7      | 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          | 7      | I-85 Sewer Upgrade — CP#2 (Southern Interceptor) | ● In Progress (funding risk noted) | NTE \$30.24M (USDA-supported)                                | 2025–2028    | Construction started Nov 2025; Northern Interceptor deferred pending funding.  | Finalize USDA financing; reassess Northern Interceptor scope and timing.                        |
| 3          | 9      | Lead & Copper Rule                               | ● On Schedule                      | TBD  | 2022–ongoing | Annual “unknown/lead/G RR” notices mailed Dec 2025; survey active; Hazen & Sawyer program ongoing.                                       | Continue annual notifications and service-line verifications.                                   |
| 4          | 12     | Water Meter Replacement                          | ● On Schedule                      | \$1,000,000  | Jan–Jul 2026 | All meters in stock; contractor mobilized; replacements started Jan 2026.  | Continue monthly meter swaps to meet 7/1/26 completion.   |
| 5          | 15     | Financial Software Upgrade                       | ● On Schedule                      | N/A  | 2023–2026    | Payroll live since Nov 2025; timesheets module   | Complete timesheets rollout; continue   |

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| Project ID | Page # | Project Name  | Status        | Budget                                    | Timeline                                   | Key Update  | Next Steps  |
|------------|--------|---|---------------|---|--|---|---|
|            |        |   |               |   |  | underway; paycheck date transition in Feb 2026.   | training and change management.   |
| 6          | 16     | Filter Media Replacement  | ● On Schedule | ~\$700K construction (plus \$245K design) | 2025–Spring 2026                           | Basin 1 restored Dec 2025; Basin 2 finishing early Feb after weather delay; Basin 3 out in Feb; 4 & 5 may proceed concurrently. | Complete remaining filters; evaluate backwash pump and nozzle replacements per recommendations. |
| 7          | 17     | AIA Grant Project for Water Infrastructure Assessment                               | ● On Schedule | \$150K grant (no match)                   | 2023–May 1, 2026                           | Inventory, modeling and planning underway toward final reports.   | Deliver final reports by 5/1/26.  |
| 8          | 19     | AIA Grant Project for Wastewater Infrastructure Assessment                          | ● On Schedule | \$200K grant (no match)                   | Awarded 2023; Active Work 2024–May 1, 2026 | Assessment activities progressing with McGill Associates.   | Complete final report by 5/1/26.  |
| 9          | 21     | CIP# 101-10 Water Valve Replacement Project at the Water Treatment Plant – Design & | ● On Hold     | \$155,980.00 for design work.             | 2024–2026                                  | Design 98% complete; paused.  | Bid and construct in 2026.  |

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| Project ID | Page # | Project Name  | Status        | Budget                     | Timeline           | Key Update  | Next Steps   |
|------------|--------|---|---------------|----------------------------|--------------------|---|--|
|            |        | Constructi on   |               |                            |                    |   |  |
| 10         | 23     | CIP# 102-10 Water Quality Improvem ents                   | ● On Schedule | \$227,340.00.              | Fall 2024-mid-2026 | Modeling, flushing program development, booster & controls assessments in progress. | Complete deliverables by mid-2026.                         |
| 11         | 24     | CIP# 101-01 Water Treatment Master Plan: AIA Grant Funded | ● On Schedule | \$150K grant + \$30K match | Dec 2025–Jan 2027  | Grant acceptance and task order approved; project commenced Dec 2025.               | Continue master planning with McGill; deliver by Jan 2027. |

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## Project Narratives

### 1) PFAS Mitigation Strategies Program

- a) Background:** PFAS, or “forever chemicals,” are persistent environmental contaminants found in many everyday products. Water utilities like SGWASA do not produce PFAS but SGWASA detected them in the source water.

On April 10, 2024, the EPA finalized enforceable drinking water standards for six PFAS compounds, including PFOA and PFOS, with Maximum Contaminant Levels (MCLs) as low as 4 parts per trillion. A Hazard Index was also introduced for PFAS mixtures.

#### Key Requirements

- Water systems must complete initial PFAS monitoring by 2027.
- If MCLs are exceeded, corrective actions must be implemented by April 2029.
- Public notification is required for any violations starting in 2029.
- For more details, visit the EPA PFAS website.

#### PFAS Reduction Technologies

PFAS can be reduced using Granular Activated Carbon (GAC), Reverse Osmosis (RO), or Ion Exchange (IX), with treatment costs ranging from \$2–\$4 per gallon per day of installed capacity. For SGWASA’s permitted capacity of 7.5 million gallons/day, this equates to an investment of \$15–\$30 million.

In 2022, NCDEQ tested SGWASA’s water for PFAS as part of a statewide assessment. In 2023, SGWASA partnered with CDM-Smith to:

1. Launch a PFAS Pilot Testing Program.
2. Fall 2023 - Submitted two NCDEQ SRF grant applications:
  - \$500,000 for pilot testing.
  - \$22 million for design and construction.
3. Spring 2025 - Submitted the following two NCDEQ SRF grant applications:
  - \$500,000 for additional pilot testing/engineering.
    1. SGWASA was notified in September 2025 by NCDEQ that SGWASA was awarded a \$500,000 grant (SRF-D-EC-0011) for additional pilot testing and engineering services for PFAS removal technologies. The Board of Directors will review and possibly approve additional grant funding documents (Resolution of Acceptance) at the November 12, 2025 Board

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meeting. SGWASA and CDM Smith will start this program following the NCDEQ's approval.

- \$26 million for design and construction.
  - 1. SGWASA was not successful in obtaining any funding or loans for the program.
- 4. Fall 2025 – SGWASA submitted one NCDEQ SRF Grant/Loan application:
  - \$26 million for PFAS reduction technology engineering design and construction.
    - 1. NCDEQ will announce grant/loan recipients in the spring of 2026.

#### **b) What are SGWASA's next steps in moving to compliance with the new Rule for PFAS?**

SGWASA prepared the following approach to meet the April 26, 2029, deadline, as shown in the following table:

| Item # | Item  | Status  | Comments   |
|--------|---|---|--|
| 1      | Design a PFAS Pilot Testing Program to determine the most cost-effective PFAS removal techniques for SGWASA's water system.   | The Pilot Testing design was initiated and completed in late 2023.  | The PFAS pilot testing (phase 1) started in October 2024 and concluded in December 2025 (Final Report January 2026).   |
| 2      | In 2023 SGWASA applied for NCDEQ State Revolving Fund (SRF) financing/grant for the maximum grant amount of \$500,000 for the PFAS pilot testing, and \$22,000,000 for PFAS mitigation engineering design and construction. | SGWASA received a \$500,000 grant from the NCDEQ to perform the PFAS Pilot Testing program. SGWASA was not awarded funding for the design and construction. | SGWASA has been successful in obtaining grant funding for PFAS pilot studies, however SGWASA has not been successful obtaining grant funding for the PFAS removal design and construction. SGWASA will continue to apply for NCDEQ grant funding for the \$26M design and construction for PFAS removal. |



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| Item # | Item   | Status   | Comments  |
|--------|--|--|---|
| 3      | In 2023, SGWASA received a \$5M grant from the state budget for water/sewer infrastructure improvements. NCDEQ 1.5% grant administration fee = \$4.925M to spend. SRP-D-134-0236 | At the October 14, 2025 Board of Directors meeting, the Board members approved a not-to-exceed scope of work and fee for \$3,209,800 for the design and bidding of the PFAS removal project. | CDM Smith and SGWASA are actively working on the design and bidding documents for this project.   |
| 4      | Conduct PFAS Pilot Testing October 2024 to December 2025.  | Completed  | A Summer 2025 PFAS Pilot Project update was provide to the Board of Directors at their August Board meeting. The PFAS Pilot Project (Phase 1) concluded in December 2025. A second PFAS Pilot Project (Phase 2) grant was received by SGWASA in September 2025. Phase 2 will start in early 2026. |
| 5      | Seek additional grant funding/SRF loan funding for estimated cost of PFAS removal construction of \$26M+   | Ongoing.   | If grant(s) cannot be obtained, then SGWASA will decide what financing sources will be used to fund the project.<br>SGWASA submitted a Fall 2025 Grant/SRF Funding request application to the NCDEQ for the project.  |
| 6      | Construct the PFAS removal process equipment.  | Planned.   | Goal to complete the PFAS removal project ahead of the required compliance date in April, 2029.   |
| 7      | Place the new PFAS removal process equipment into operation prior to 4/26/29.  | Planned.   | Additional annual operating costs will be associated with the new operation. These costs will be factored into the annual operating budget.   |

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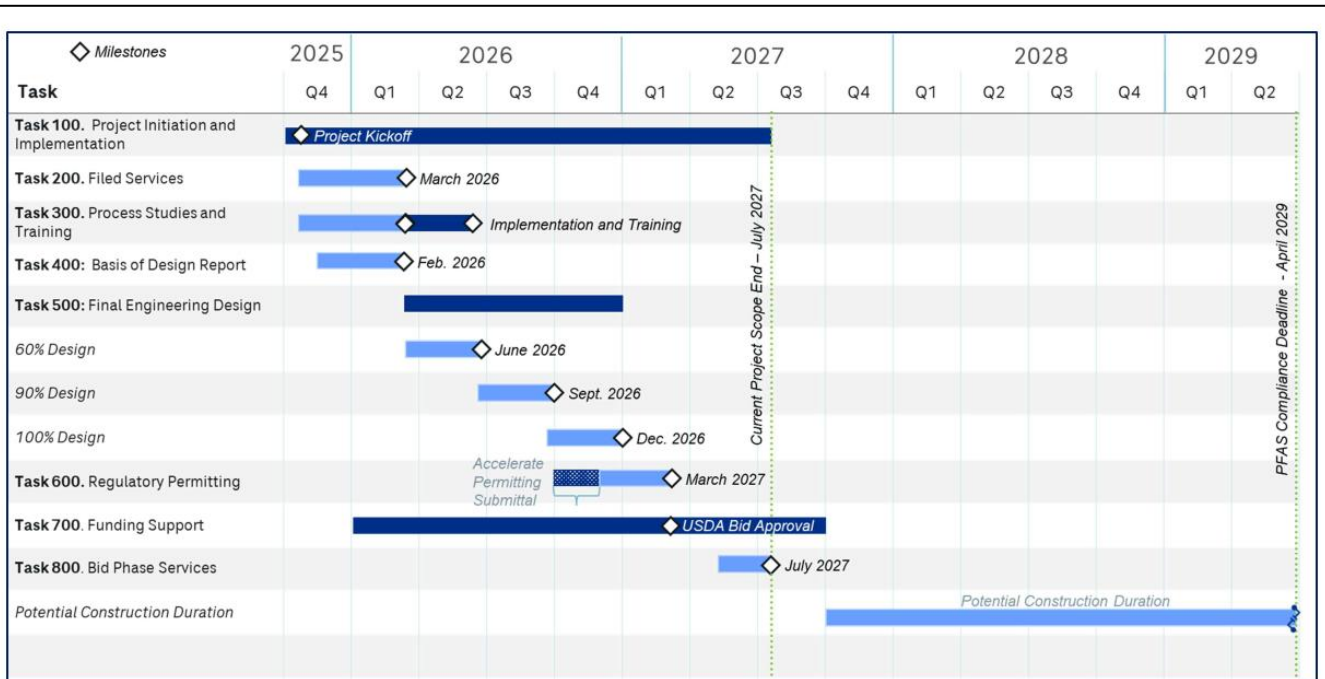
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**Status** (■ In Progress/On Schedule): CDM Smith concluded the PFAS Pilot Testing Program (Phase 1) in December 2025. The final report was delivered in January 2026. The final report is available for viewing at <https://www.sgwasa.org/items/pfas-mitigation>

A second PFAS Pilot Testing Program (Phase 2) was approved and funded by the NCDEQ for \$500,000 in September 2025. Phase 2 is in progress.

At the October 14, 2025, Board meeting, Board members approved the CDM Smith Scope of Work and associated cost estimate for the project. The approved engineering design budget approved was \$3,209,800. This project is funded by a \$5,000,000 NCDEQ grant. The engineering design work for the PFAS reduction technology is in progress. 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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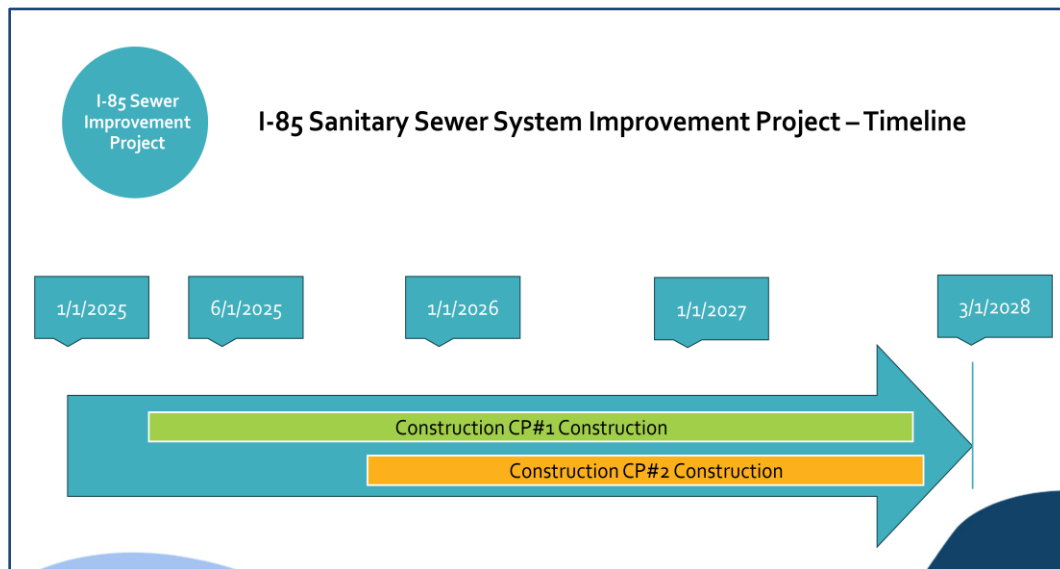
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#### 2) I-85 Sanitary Sewer System Improvement Project

- 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.
- 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 is on schedule and on budget.
- c) **CP#2 Status:** ( ■ In Progress/On Schedule): A recommendation of contract award to Park Construction for the Southern Interceptor Sewer construction occurred at the October 14, 2025, Board of Directors meeting. The Board of Directors approved a contract with Park Construction NC, Inc., in the not-to exceed amount of \$30,238,282. The project is funded in part by the United States of Agriculture (USDA). Construction for CP#2 started in November. A project timeline is shown below.

**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 September 5, the Finance Committee reviewed the \$8M cost for the Northern Interceptor but made no funding decisions. Further discussion is planned by the Finance Committee at their upcoming meeting(s) .

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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 on the management of the program. SGWASA staff is working with a local service provider to set up a pilot program to identify service line materials.

A part of this project requires SGWASA to notify select customers annually to advise them that SGWASA has not yet determined the material composition of their water service line to their property. This program was initiated in 2024. This program will continue for SGWASA if we have unidentified material service lines. The 2025 letters were mailed to select customers in December 2025.

The specific set of customers who received the letter are asked to identify the service line material. The responses will be used for the sole purpose of verifying water service line material as required by the U.S. Environmental Protection Agency's Safe Drinking Water Act, 2021 Lead and Copper Rule Revision.

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A service line is the water pipe that connects your home to the public water main. The service line conveys water from the main to the faucets, toilets, and other fixtures within your house and can typically be seen where it enters your home in the basement.

To complete this short 5-minute survey, please have the following available:

- Magnet (a refrigerator magnet works well)
- Penny or a key
- Smart phone or digital camera
- Internet access to upload information

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

Please see the information below for more about this special mailing.

Under the EPA's Lead and Copper Rule Revisions (LCRR) and Lead and Copper Rule Improvements (LCRI), public water systems like SGWASA are required to send annual notification letters to customers whose service lines are classified as:

- Lead
- Galvanized Requiring Replacement (GRR)
- Lead Status Unknown

#### **Annual Notification Requirements**

##### **Who Must Be Notified?**

- All people served by the water system at the affected service connection.
- This includes property owners, tenants, and building occupants.
- If tenants are not billed directly, landlords must receive the notice and post it in common areas.

##### **When Must Notices Be Sent?**

- Annually by December 31st until the service line is confirmed to be non-lead.
- New customers must receive the notice at the time-of-service initiation (e.g., when a new account is created).

##### **How Must Notices Be Delivered?**

- Mail or hand delivery is required.
- Some states allow email or posting in common areas (e.g., schools, nursing homes), but SGWASA must follow NCDEQ's approved methods.

##### **What Must the Notice Include?**

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Each notice must contain:

- A clear statement that the service line is lead, GRR, or unknown but may be lead.
- Health effects of lead (this language is required and cannot be altered).
- Steps to reduce exposure, such as flushing taps or using filters.
- Information about:
  - Replacement programs (for lead and GRR lines).
  - Verification opportunities (for unknown lines).
  - Testing children for lead exposure.

### Discontinuing Notifications

- SGWASA may stop sending notices only when the entire service line is verified as non-lead.

### 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 manages approximately 6,600 water meters across its entire service area. In recent years, the utility identified a need to modernize its metering infrastructure by replacing outdated meters with newer, more accurate models. This effort includes the SGWASA/City of Creedmoor service area, which contains about 2,200 meters, many of which are aging and no longer performing optimally. To address this efficiently and cost-effectively, SGWASA opted to contract a specialized firm with expertise in water meter replacement and system upgrades. This initiative is part of SGWASA's Capital Improvement Plan (CIP), listed as Project ID# 102-05, with a total project budget of \$1,000,000.
- b) **Status** ( ■ In Progress/On Schedule): The water meter replacement project started in January 2026 and will be completed by July 1, 2026. The water meter replacement project removes and replaces a few hundred water meters per month. 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) SGWASA – Financial Software Upgrade

- a) **Background:** In mid-2024, to better service its customers, SGWASA started the process of implementing Tyler Technology software to modernize SGWASA's financial business and utility billing software. The lengthy implementation process is nearing completion and is scheduled for completion in mid-2026.
- b) **Status** (  In Progress/On Schedule ): The initial implementation process for the new financial software was completed as of June 30, 2025. An additional module for the new software included payroll processing and time-keeping automation. The payroll module was tested successfully in October 2025 and is fully operational as of the November 2025 payroll cycle.

The current Tyler Technology module being implemented at SGWASA is the timesheet module. The timesheet automation project kicked off in November 2025. To fully leverage the new computer-based timesheets and payroll processing, SGWASA is required to make an important change to the day of the month when paychecks are deposited into employees bank accounts. The internal communications broadcast to employees for this project started in November 2025 and will be rebroadcast each month through January 2026. Priscilla Adcock, HR Manager, continues to hold on-site meetings/workshops with the employees to ensure SGWASA employees are prepared for the paycheck date changes, which occurs in February 2026. The paycheck transition schedule is shown below.

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#### Paycheck Transition Schedule:

Table 1 below shows the paycheck transition schedule:

**Table 1**

| Month                            | Paycheck Type  | Paycheck Date           |
|----------------------------------|--|-------------------------|
| January 2026                     | Regular – Final prepaid paycheck.  | January 30, 2026        |
| February 2026                    | Special - Includes 80-hour transition bonus + all earned overtime, call-in pay, standby pay, holiday premiums, and shift premiums earned in January. | February 13–15, 2026    |
| March 2026                       | First post-paid paycheck for February, based on hours from all prior months: including all earned overtime, call-in pay, standby pay, etc.           | 13th–15th of each month |
| April 2026                       | Post-paid paycheck based on work hours for March 2026.   | 13th–15th of each month |
| May 2026                         | Post-paid paycheck based on work hours for April 2026.   | 13th–15th of each month |
| This schedule continues monthly. |  |                         |

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

**a) Background:** Between May and September 2024, SGWASA encountered water production issues at the water treatment facility related to the water filtering process. The five water filters struggled to maintain their normal production levels, unable to keep up with the heightened demand that resulted from the higher-than-normal temperatures. To investigate the issues with the water filter system, SGWASA contracted Hazen, one of its on-call professional engineering firms, to conduct a detailed examination. Hazen completed their detailed investigation and recommended the following improvements and optimizations for the filter operations at the SGWASA Water Treatment Plant (WTP):

- **Filter media replacement:** The existing filter media is 22 years old, which exceeds the industry standard for media life of 10-15 years and should be replaced immediately.
- **Rehabilitation of SGWASA Filters:** The underdrain nozzles in the filter vessels should be further inspected and any failed or broken nozzles should be replaced.
- **Consider Replacing Backwash Supply Pump:** The existing backwash pump is not capable of achieving the needed filter media expansion of 30% to provide proper removal of solids
- **Monitor Media Depths.** Plant Operations should plan to monitor media depths annually to track media loss.
- **Source Water Algae Monitoring Program.** Since algae enumerations indicated the presence of known filter clogging species, a routine algal monitoring program beginning in 2025 is recommended.
- **Modify the backwash procedure.** To combat solids retention, it is recommended that the backwash procedure be modified to increase the duration of the high-rate portion of the water backwash.

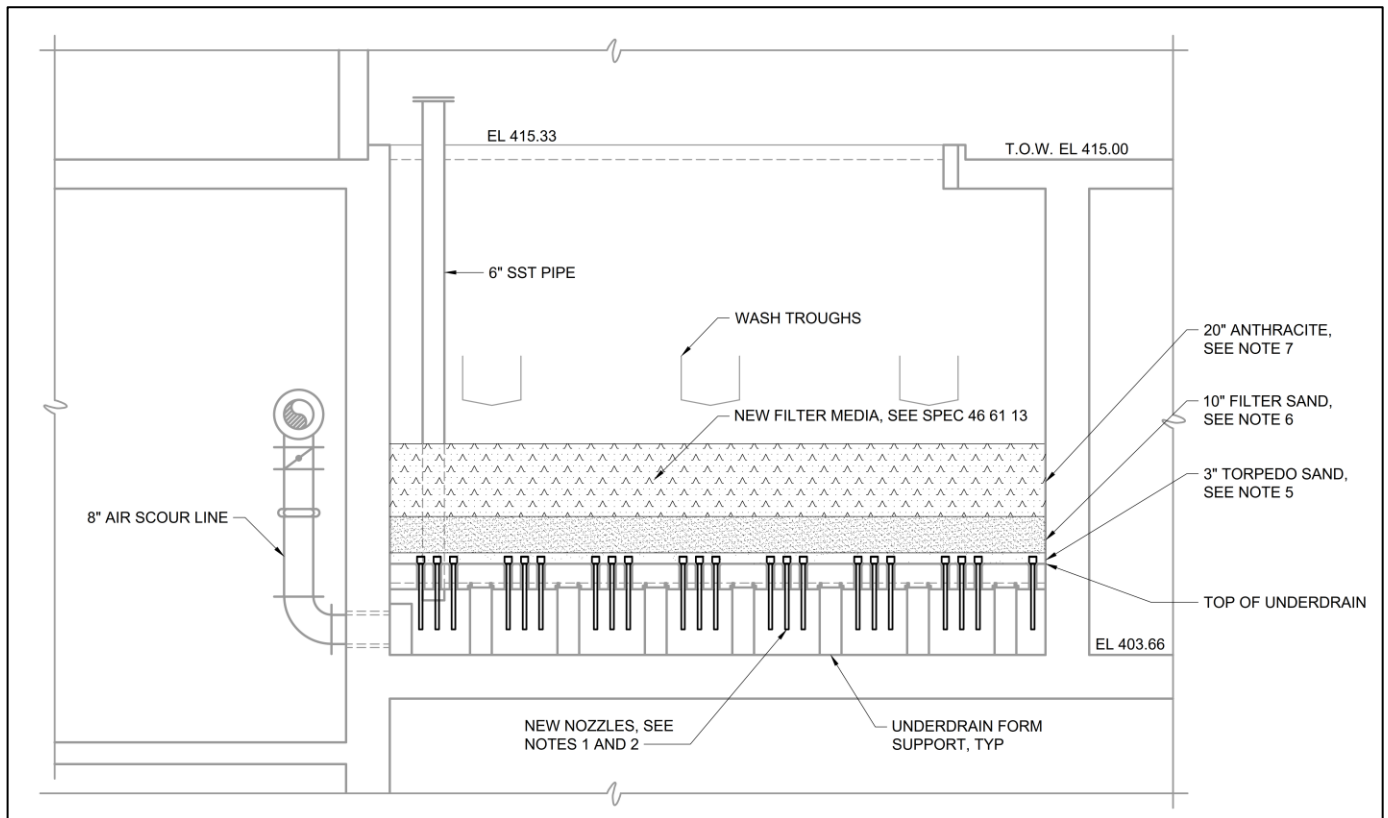
Based on the recommendations contained in the technical report, SGWASA asked Hazen to develop a scope and fee for the filter media replacement project.

**b) Status (■ In Progress):** The Board of Directors awarded a construction contract to State Utility Contractor at the August 12, 2025 Board of Directors meeting. The filter media material was ordered following Board approval. The construction on the project started in November. The first water filter basin was taken out of service in November it was put back into service in late December. The second filter was taken out of service in early January. The cold weather caused a delay in the filter media replacement during January. However, the second filter is scheduled for completion by the first week in February. Filter number three will be taken out of service in February for filter media replacement. Filter media replacement in filters four and five may commence concurrently, thus allowing the project to be completed ahead of schedule. Regardless, it will be completed in the spring of 2026.

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*Image: Water Treatment Plant Filter Bed Diagram showing 1 filter bed and the media and nozzles to be replaced.*

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

- a) **Background:** The North Carolina Department of Environmental Quality (NCDEQ) manages an Asset Inventory Assessment (AIA) Grant program to encourage water and wastewater utilities to become more viable and more initiative-taking in the management and financing of their systems. Grants are limited to \$150,000 from the Wastewater Reserve or the Drinking Water Reserve and may be used over a period of three years. A local match is required based on Local Government Unit indicators, such as percent population change and median household income, compared with the state benchmarks. Awarded grant funds may be used for asset inventory, condition assessment of critical assets, or components of critical assets.

In September 2021, SGWASA applied for and ultimately received approval for an AIA grant in the amount of \$150,000 for use in the Water Distribution System. The AIA grant was funded from state ARPA money; thus, no local funding match is required. SGWASA worked with McGill Associates, SGWASA's contracted consulting engineering firm to complete the application for submittal to NCDEQ for consideration and ultimately approval for an AIA Grant. SGWASA also worked with McGill Associates to develop a scope of services, which was submitted to NCDEQ for review in September 2022. McGill Associates has provided a task order to SGWASA to provide the services as submitted to NCDEQ. The scope of work in the AIA task includes the following:

- Water System Inventory Updates
- Water Plan Assessment and Master Planning
- Water Distribution System Analysis (hydraulic modeling)
- Water Audit
- Asset Management Plan and Updated CIP
- Updated Work Order System Recommendations
- Final Report

- b) **Status** (  In Progress/On Schedule): This project is being performed by McGill Associates. The project is scheduled for completion by 5/1/26.

*(See project images on following page)*

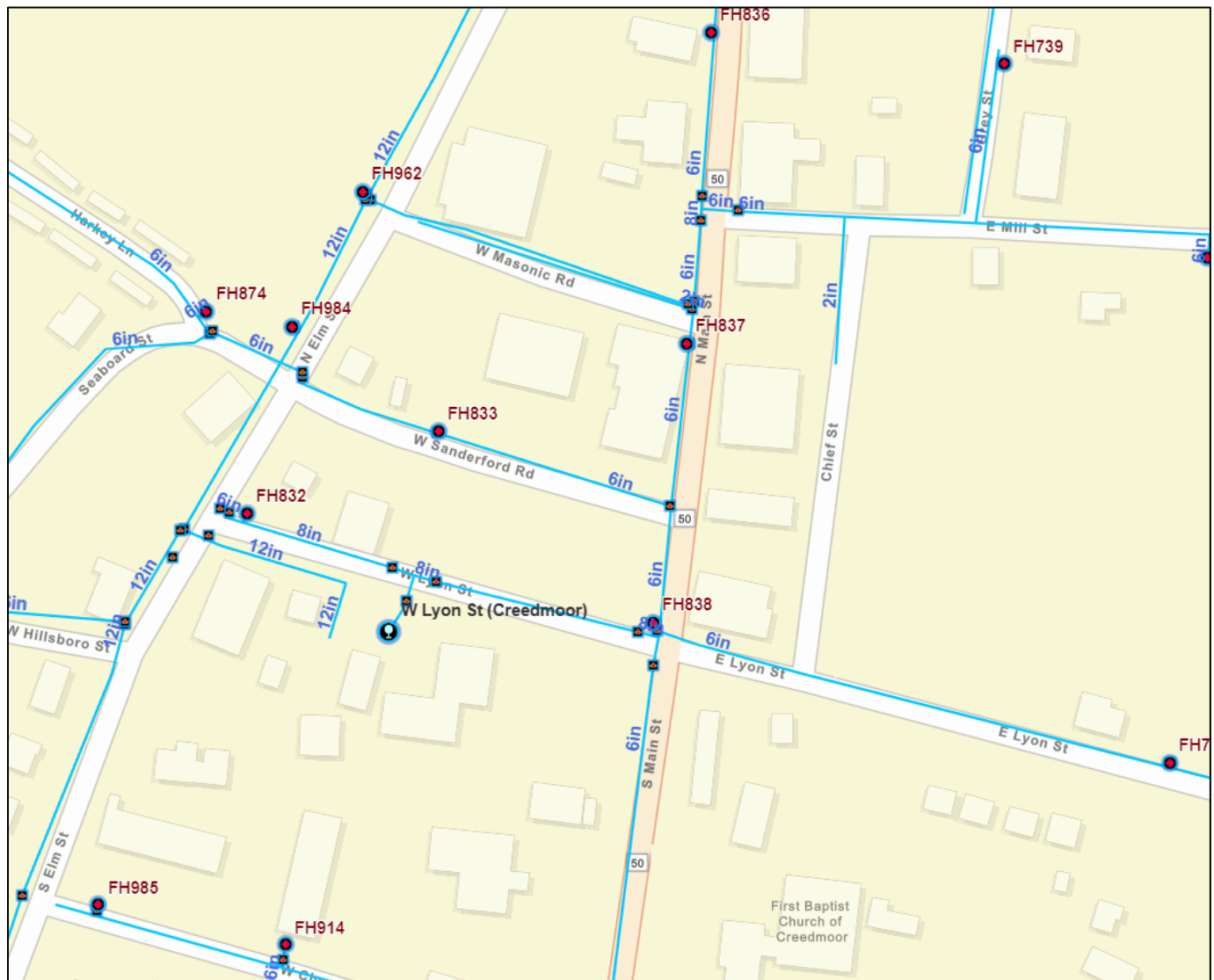


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#### AIA Grant Project for Water Infrastructure Assessment Project



*Image: Example of water distribution system network data that is being analyzed as part of the AIA Project.*

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

- a) **Background:** The North Carolina Department of Environmental Quality (NCDEQ) manages an Asset Inventory Assessment (AIA) Grant program to encourage water and wastewater utilities to become more viable and more initiative-taking in the management and financing of their systems. Grants are paid from the Wastewater Reserve Fund or the Drinking Water Reserve Fund. A local match is required based on Local Government Unit indicators. Awarded grant funds may be used for asset inventory, condition assessment of critical assets, or components of critical assets. In September 2022, SGWASA applied for and received approval in March 2023 for an AIA grant in the amount of \$200,000 for use in the Wastewater Collection System. The AIA Sewer grant was funded from state ARPA money; thus, no local funding match is required.

SGWASA worked with McGill Associates, SGWASA's contracted consulting engineering firm to complete the AIA Sewer Grant application for submittal to NCDEQ. SGWASA also worked with McGill Associates to develop a scope of services for the AIA Sewer Grant which was submitted to NCDEQ for review in September 2022.

- b) **Status**  In Progress/On Schedule): This project is being performed by McGill Associates. The project is scheduled for completion by 5/1/26.

*(See project image on following page)*

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## AIA Grant Project for Wastewater Infrastructure Assessment Project



*Image: Example of wastewater distribution system network data that is being analyzed as part of the AIA Project.*

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

- a) **Background:** Following a main break at the Butner WTP, SGWASA has experienced recurring leaks and valve failures along the water main between the clear well and finished water pumps. These issues have caused erosion and highlighted the lack of bypass options and redundancy in the system.

For this project, Hazen and Sawyer is evaluating valve repair alternatives, followed by final design, permitting, and bidding for the selected solution. Construction-related services may be added later via amendment. The total cost for the project evaluation and design is \$155,980.00. The probable cost of construction will be developed when final repair alternatives are selected.

- b) **Status** (🟡On Hold): This project is being performed by Hazen & Sawyer. The project design is 98% complete. In November, Hazen and SGWASA staff met at the WTP to review some additional pipe replacement work to ensure a successful valve installation. The outcome of this review caused some additional engineering design work to be performed. The additional engineering design work should be completed in December 2025. The probable cost of construction has been determined at \$710,000.00. Due to the cost of the project, the project will be considered for public bidding and construction in 2026.

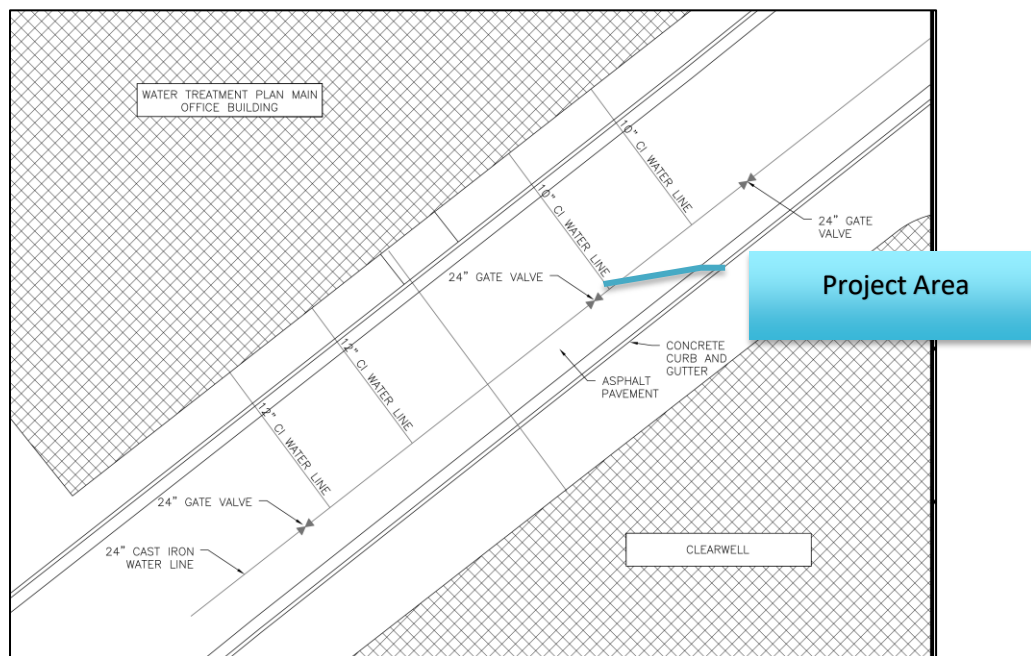
*(See project images on following page)*



# South Granville Water And Sewer Authority

## Executive Director's Monthly Project Update Report

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



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

a) **Background:** SGWASA has expressed concerns with the following items related to the water distribution network:

- Lack of hydrant flushing program to keep SGWASA initiative-taking in preventing 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:**

- Hydrant Flushing Program
- 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 mid-2026.

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

- a) **Background:** SGWASA applied for and received a \$150K grant from the NCDEQ for this project. SGWASA is working with McGill Associates on this project. This project is just in its initial stages of working through all the required grant paperwork submittals and authorization. SGWASA will add the required 20% funding match of \$30K for this project.

In summary, the South Granville Water and Sewer Authority (SGWASA) intends to conduct an Asset Inventory and Assessment study of the Authority's water treatment plant in a project described as the Water Plant Master Plan. This project will build upon previous water system AIA work and will include tasks such as an update of asset inventories, condition assessment of critical assets, and other components of an asset management plan.

- b) **Status** ■ In Progress): The Board of Directors approved a Resolution of Acceptance of the grant award at their October 14, 2025, Board of Directors meeting. Furthermore, the Board approved the McGill Associates task order for this project at the November 12, 2025, Board meeting. This project commenced in December 2025 and is scheduled for completion by January 2027.



*Image: SGWASA Water Treatment Plant*

# South Granville Water And Sewer Authority

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#### Board Actions (Past 90 Days)

| Board Meeting Month/Year | Topic   | Status   |
|--------------------------|---|--|
| <b>November 2025</b>     | Proposed 2026 SGWASA Holiday Schedule   | Approved by the Board of Directors.  |
| <b>November 2025</b>     | North Carolina Department of Environmental Quality (NCDEQ) Water Treatment Plant Master Plan Asset Inventory Assessment (AIA) Program Grant – McGill Associates Task Order for Scope of Services. | Approved by the Board of Directors.  |
| <b>November 2025</b>     | Brame's Crossing Phase II Water and Sewer Extensions in Creedmoor, NC   | Tabled until the December 2025 Board meeting.  |
| <b>November 2025</b>     | FY25-26 1st Quarter Financial Review - Presentation   | Information Only   |
| <b>November 2025</b>     | FY25 Audit Update   | Information Only   |
| <b>November 2025</b>     | Fiscal Year 2025-2026 Budget Amendment #9   | Fiscal Year 2025-2026 Budget Amendment #9  |
| <b>December 2025</b>     | Brame's Crossing Phase II Water and Sewer Extensions in Creedmoor, NC   | Approved by the Board of Directors.  |
| <b>December 2025</b>     | Request to Purchase One Generator for Lake Holt Raw Water Pump Station from Atlantic Power in Bear Creek, NC  | Approved by the Board of Directors. Item ordered.  |
| <b>January 2026</b>      | Fiscal Year 2024-2025 Audit Report - Presentation   | Officially received by the Board of Directors.   |
| <b>January 2026</b>      | Fiscal Year 2025-2026 Budget Amendment #10  | Approved by the Board of Directors.  |
| <b>January 2026</b>      | Unidirectional Flushing Pilot Program- Task Order Approval  | Approved by the Board of Directors. Purchase Order issued to consultant to prepare project start for spring 2026 |

# South Granville Water And Sewer Authority

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#### Utility Operations Highlights

##### Water Distribution System Topics

1. Utility crews responded to various water main breaks in Butner. The Utility crew was able to minimize the water interruptions during the repair activities. In all incidences, the water was returned to service within a few hours following the initial main break.

##### Wastewater Collection System Topics

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

##### Water Treatment Plant Topics

- 1) No water processing/operating issues.

##### Wastewater Treatment Plant Topics

- 1) No operating issues.

##### Utility Customer Service/Administration Topics

- 1) No operating issues.

# South Granville Water And Sewer Authority

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#### **Staffing Summary**

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

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

Utility Maintenance Mechanic (1)

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

None

#### **Recent New Hires**

None

#### **Recent Internal Promotions**

None

*(End of Report)*