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Ensure Financial Stability	
Reconciled Bank Account Balances	Provided separately to the Board.
Monthly Balance Sheets	
Monthly Income Statements	Provided separately to the Board.
AP Check Reconciliation Register	Provided separately to the Board.
Drinking Water Capital Improvement Projects	Provided separately to the Board.
Wastewater Capital Improvement Projects	Provided separately to the Board.
Stormwater Capital Improvement Projects	Provided separately to the Board.
Grant Management Report	Provided separately to the Board.
Loan Summary Report	Provided separately to the Board.

Ensure Revenues are Consistent with System Usage	
Water Shut-offs	There were 0 water shut-offs for non-payment and 40 service shut-off requests.
Repair/Replace Meters/MIUs/Batteries	Drinking Water Distribution staff replaced 21 water meters, 0 batteries and 1 MIU.
Reduce Wet Weather Impacts to Infrastructure, Community, and Receiving Waters	
Negotiate with PADEP/U.S. EPA/DOJ on Past and Future Practices	No update.
Develop Necessary Planning for Implementation of Green Infrastructure	No update.
Joint Pollutant Reduction Plan - Collaborate with Suburban Partners on MS4	No update.
Obtain and Comply with Individual MS4 Permit	CRW issued a Notice of Intent to PADEP and applied for a MS4 Program Permit renewal on 2/1/2025. The new five-permit cycle will start 8/1/2025 and will end 7/1/2030.

Operate Facilities with a High Standard of Care	
Permit Compliance	<p>The Drinking Water department met all primary and secondary Safe Drinking Water Act permit parameters for the month of January.</p> <p>The Advanced Wastewater Treatment Facility (AWTF) met all parameters of its new National Pollutant Discharge Elimination System (NPDES) Permit for the month of January. No Dry Weather or Sanitary Sewer Overflows were reported.</p>
Notice of Violations (NOVs)	<p>There were no NOVs received by the Drinking Water department in January.</p> <p>There were no NOVs received by the Wastewater department in January.</p>
Preventative Maintenance (PM)	<p>The Drinking Water Maintenance group conducted all scheduled preventative maintenance for the month to the water treatment plant equipment. Specific facility maintenance activities are outlined within the Drinking Water Department Monthly Report for January.</p> <p>The Wastewater department completed all regularly scheduled preventative maintenance in the month of January, and completed its semi-annual lubrication PMs for all equipment at the Advanced Wastewater Treatment Facility (AWTF).</p>
CCTV (Closed Circuit TV)	Field Operations performed CCTV assessment of 5,085 feet (0.96 miles) of pipe during the month of January and flushed 3,359 feet (0.64 miles) of sewer pipe.
Incident Response	Wastewater responded to six backup and overflow calls from residents during the month of January. CRW was responsible for none.
Geographic Information System (GIS)	<ul style="list-style-type: none"> • Twelve (12) Pennsylvania One Call tickets were completed. Ten (10) required a PDF file or mark-up and two (2) had no CRW assets in the project area. • Lead Service Line Inventory (LSLI) project continues. This includes working with multiple internal departments and the U.S. EPA and its partners. • Nine (9) updated GIS work orders were closed in Cityworks. • Reviewed Service Disconnect Cards at the Water Services Center to aid in processing undeliverable service line material letters required by PADEP. • GIS data has been updated with the Phase 4 Green Stormwater Infrastructure (GSI). • Oversaw installation of the Global Positioning System (GPS) units installed on the street sweepers. Verified functionality and reporting. • Participated in the Asset Management (AM) Task 5.4 Document Management - GIS, Meeting No. 2. • Participated in the Information System Data Management (ISDM) Roadmap Implementation Group (RIG) Recharter meeting. • Began work on creation of the 2025 CRW Geographic Information System Support Request for Proposal (RFP). • Created the 2025 Capital Improvement Projects (CIP) Web Map for public viewing. • Assisted with the creation of the Service Line Inspection template to aid in tracking water service line size and material for PADEP.
Cityworks	<div style="background-color: black; height: 15px; width: 100%;"></div> <div style="background-color: black; height: 15px; width: 95%;"></div> <div style="background-color: black; height: 15px; width: 70%;"></div> <div style="background-color: black; height: 15px; width: 98%;"></div> <div style="background-color: black; height: 15px; width: 45%;"></div> <div style="background-color: black; height: 15px; width: 65%;"></div> <div style="background-color: black; height: 15px; width: 35%;"></div>

<p>Asset Management</p>	<p>Roadmap activity report:</p> <p>Roadmap Implementation Groups (RIG): FY25 Scope of Work</p> <p>Decision Making Capital Planning RIG</p> <ul style="list-style-type: none"> • Task 2.1 Water Services Center (WSC) Rehabilitation and Renewal Process – Kickoff June 2025. • Task 2.2 WSC Asset Class Cost Library Development - Kickoff June 2025 with Task 2.1. • Task 2.3 Capital Improvements Projects (CIP) Progress Tracking – Meetings scheduled for 3/17/2025 (kickoff), 3/31/2025 and 4/9/2025. • Task 2.4 Ongoing InfoAsset Planner Support – As needed. <p>Information System Data Management (ISDM) RIG</p> <ul style="list-style-type: none"> • Task 3.1 System Data Completeness Support, Phase 2 – 2/21/2025 meeting scheduled to present the deliverable from the 2024 scope. Kickoff 2025 work scheduled for 3/7/2025. • Task 3.2 Cityworks Work Order and Inspection Training – Kickoff July 2025. <p>Operations and Maintenance RIG</p> <ul style="list-style-type: none"> • Task 4.1 Advanced Wastewater Treatment Facility (AWTF) Asset Management Plan (AMP) – 3/6/2025 and 3/20/2025 meetings have been scheduled to present methodology and applied process of the condition assessment and rehabilitation and renewal recommendations work that was completed in 2023-2024. Plan development meetings are currently scheduled for 3/24/2025, 4/7/2025 and 4/24/2025. • Task 4.2 AWTF Asset Class Plans – March/April 2025 support Task 4.1. • Task 4.3 Distribution Job Plans – Kickoff May 2025. • Task 4.4 Distribution Condition Assessment Work Plan – March kickoff to be scheduled. • Task 4.5 and 4.6 Standard Operating Procedures for AWTF and WSC – as identified. <p>Organizational Framework RIG</p> <ul style="list-style-type: none"> • Task 5.1 DAMP Continuous Improvements: Levels of Service and Performance Measures Target Development - Kickoff October 2025. • Task 5.2 Employee Development and Training - Kickoff July 2025. • Task 5.3 Communications Engagement and Implementation - Kickoff April 2025. • Task 5.4 Employee Succession Planning Process - 2/24/2025 meeting to identify value added deliverable and schedule workshops with larger group, RIG. <p>Other activities:</p> <ul style="list-style-type: none"> • Work continues on labeling drinking water facility assets with barcodes. Completion at 70%. • Collaboration continues with the working groups for American Water Works Association (AWWA) Benchmarking Survey/American Public Works Accreditation (APWA) and risk management/compliance for Emergency Response Plans (ERPs) planning updates.
<p>Development Review Summary</p>	<p>For details, see attached Development Stormwater Management Review Summary spreadsheet for February.</p>

Undertake Capital Improvement Projects - Refer to attached Capital Improvement Projects Report	
Professional & Contractor Services	<p>Recommend Board approval of the following Resolutions, Task Orders, Change Orders and Agreements:</p> <p>Drinking Water:</p> <ul style="list-style-type: none"> • Task Order 2025-02-01: Engineering Services for FY25 Cityworks Projects and Support [REDACTED] <p>Wastewater:</p> <ul style="list-style-type: none"> • AWTF Energy Recovery Improvements Project – Change Order No. 4 (General) [REDACTED] <p>Stormwater:</p> <ul style="list-style-type: none"> • Task Order 2024-11-02: Engineering Services for Small Sewer Separation Project [REDACTED] • Task Order 2025-04-01: Engineering Services for 2025 GSI Operation and Maintenance [REDACTED]
Stormwater O&M Agreements	Recommend Board approval of the following: None.
AWTF Primary Clarifiers Improvements	Bids were rejected at the 1/22/2025 Board meeting. The project will be rescope to include only essential concrete repairs and will be advertised for bids in March.
AWTF Energy Recovery Improvements	Site work continues for building foundations and equipment pads.
DeHart Dam Improvements	The dam letter of amendment permit application was submitted to PADEP for review. The plan is to advertise the project for bids in March.

Undertake Renewal and Replacement Projects	
2024 Water System Improvements	The contractor is installing water services on Swatara Street (between South 13th and Crescent Streets) with a second crew on Hummel Street installing new water main.
Cameron Street Water Main - Phase 4	The project is complete. A final compensating change order will be presented to the Board in March.
2024 Sewer System Improvements	The contractor is installing storm inlets on 18th Street and will be moving to work on Market Street (between 17th and 21st Streets).
Arsenal Boulevard Sewer Improvements	The project team is evaluating cured-in-place pipe (CIPP) liner installation alternatives for several defective sections of sewer pipe.
Water Facility Maintenance	The Water Maintenance group completed various repairs throughout the Water Treatment Facility, pumping stations, and at the Administrative Offices throughout the month. A narrative is provided in the Drinking Water Department Monthly Report for January.
Wastewater Facility Maintenance	The Wastewater Maintenance group completed various repairs throughout the Advanced Wastewater Treatment Facility (AWTF), pumping stations, and at the Administrative Office throughout the month. A narrative is provided in the Wastewater Department Monthly Report for January.
Sinkhole Program	Six sinkholes were investigated by CRW in the month of January. None were due to failure of any CRW assets.
Inlet Cleaning	The Street Sweeping crew completed 141 inlet inspections in January during multiple street sweeping shutdowns due to weather conditions. Field Construction repaired 10 stormwater inlets and replaced 36 feet of failed sewer pipe on Burma Street.

Operate as an Efficient, Sustainable and Resilient Water Utility	
DeHart Property Stewardship	In accordance with the DeHart Property Forest Management Plan: <ul style="list-style-type: none"> • A regeneration harvest is underway in Management Units (MUs) 20, 34, 36, and 37 (approximately 155 acres). Harvest will improve forest health and release regeneration of a more desirable understory. • Harvest is underway in MU 12 (approximately 140 acres). Notice to Proceed has been issued for timber harvesting in MUs 2 and 6 (combined; approximately 155 acres) and MU 23 (approximately 75 acres). Harvest prescriptions will improve forest health through overstory removal and release of advanced and/or desirable regeneration. • Notice to Proceed was issued for MU 16.
Sustainability	CRW's design team is finalizing the Pre-design Report for the CRW Water Services Center Solar Development Project for review.
Internal Communications	The Q4 All Employee Meeting was held on 2/11/2025.

Inform and Listen to Customers and Encourage Stewardship of our Systems	
Media Relations - Press and Social Media	<p>PRESS RELEASES: N/A</p> <p>SOCIAL MEDIA TOPICS: Facebook/Instagram: Followers Total: 1,695 FB and 755 IG). Five (5) Posts; Topics: Advanced Metering Infrastructure (AMI) Reminders, Martin Luther King, Jr. Day Post, Customer Service Center office closure for inclement weather.</p> <p>Nextdoor: Stats: 9,103 Total Members; 146 New members; One (1) Post: Meter Replacement Reminder.</p> <p>*2024 Demographics: Most Active Age-range: 35-44; Gender Division: 63.4% Women / 36.6% Men; Locations; Harrisburg, Penbrook, Mechanicsburg, Camp Hill, Linglestown, and Steelton.</p>
Community Relations	<p>Community Outreach:</p> <ul style="list-style-type: none"> • Zero (0) community events. • Zero (0) facility tours. • Zero (0) community meetings. • Delivered fifty-seven (57) sets of door-to-door notifications to alert customers to CRW projects and lead risk mitigation efforts.
Public Communications	WHAT'S ON TAP COMMUNICATION: January Special edition "A letter from our CEO".
Business Diversity	No update.

<p>Office Management and Admin Professional Services and Construction</p>	<p>Incoming Correspondence Report: No incoming correspondence was received in January 2025.</p> <p>Street/Sidewalk-Cut Permits: Four (4) Drinking Water Permits were issued.</p> <p>Document Management Training: Conducted refresher training on CRW's Document/Records File Plan with the Engineering Department on 2/10/2025 and the Finance Department on 2/18/2025. Future meetings will be scheduled with Human Resources and Executive Department personnel, Strategic Initiatives, and Wastewater and Drinking Water personnel.</p> <p>Fleet Management Acquisitions - Deliveries for Drinking Water as of 1/22/2025:</p> <ul style="list-style-type: none"> • C-109 - 2023 Ford Transit Connect XL Van [REDACTED] <p>Disposition of Vehicles and/or Equipment thru Municibid for Wastewater:</p> <ul style="list-style-type: none"> • G-03 - 2008 Chevrolet Silverado 1/2 Ton Truck. Bid on Municibid. [REDACTED] • G-04 - 2015 Dodge Ram ProMaster High Roof Van. (Prior CCTV vehicle - Replaced by G-99) Bid on Municibid. [REDACTED]
<p>Right-to-Know Requests</p>	<p>CRW has received and responded to one (1) Right-to-Know request during the period 1/16/2025 through 2/19/2025. Other informational requests were identified as not being formal RTK requests and/or were transferred to the Customer Service Center for appropriate response throughout the month.</p> <p>OOR Training: No update.</p> <p>RTK 2025-001 Stephanie Vargas (SmartProcure): Requesting any and all purchasing records from 5/8/2023 to current (Amended RTK 2025-001 for records to 11/20/2024 to current based on previous RTK Nos. 2023-011, 2024-003, 2024-013 and 2024-016 previously responded to). Specific information requested from the record-keeping system: (1) Purchase Order Number. If purchase orders are not used a comparable substitute is acceptable, i.e. invoice, encumbrance, or check number. (2) Purchase date. (3) Line item details (Detailed description of the purchase). (4) Line item quantity. (5) Line item price. (6) Vendor ID number, name, address, contact person and their email address. The request is limited to readily available records without physically copying, scanning or printing paper documents. Any editable electronic document is acceptable. Response due: 2/12/2025. Response provided on 2/12/2025.</p>



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WATER

Drinking Water





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WATER

**DRINKING WATER DEPARTMENT
MONTHLY REPORT**



Sediment Basins – Water Services Center

January 2025

100 Pine Drive, Harrisburg, PA 17103 | 888-510-0606
capitalregionwater.com

Plant Operations

Capital Region Water's (CRW) Drinking Water department met all Federal Safe Drinking Water Act water quality standards for the month of January.

The DeHart water source was in service for 31 days and the Susquehanna River water source for zero days. The hydroelectric turbine generator was in service for zero days during the month of January.

Specific water quality results are summarized in Exhibit A. As shown in Exhibit B, a total of 225.344 million gallons (MG), averaging 7.269 million gallons per day (MGD), was withdrawn from the DeHart water supply sources for treatment. A total of 221.156 MG, averaging 1.134 MGD, of finished drinking water was pumped to the distribution system.

The DeHart Watershed had below average rainfall in January (Exhibit C) and the DeHart Reservoir water level decreased (Exhibit D). An estimated 226.88 MG of water was released from the DeHart Reservoir to Clark Creek, averaging 7.32 MGD for the month. This downstream flow, which is received by remote flow monitoring from the weir location and actual staff gauge readings, met the flow required by the State Water Allocation Permit (Exhibit E).

Plant Maintenance

The Maintenance team performed 61 preventive and five corrective maintenance work orders for all water treatment plant equipment, pumping stations, and fleet vehicles during the month of January.

- The DeHart Dam watershed was patrolled daily.
- The CL2 room upgrades are still ongoing. The future valve header panel has been installed and the CL2 tanks shut-off panel has been relocated. The scale/data/power wires have been installed with dedicated instrumentation circuitry.
- Installation of conduit and wiring for the Control Room chemical towers removal is nearing completion.
- A leak in the Aluminum Sulfate feed lines has been repaired.
- The Hydro Turbine has been disassembled, shot blasted and ready to go out to a third party for exploratory service recommendations.
- The Operations Building roof has been repaired for leaks.
- Installed a new 624A sample pump. The old pump was rebuilt with seal kit/ceramic seal.
- Continued with the disassembly of approximately 750 used water service meters for brass and battery recycling and disposal.

-
- Containment basin floors for the Aluminum Sulfate and Lime Slurry Chemical Systems have been touched up with Macropoxy® paint.
 - Soda Ash Feed lines and injectors have been flushed out with muriatic acid and followed by a flush with water.
 - Snow removal at the DeHart Dam facility, 3003 North Front Street Administrative Offices, Water Service Center, Front Street, Reservoir Park, and Union Square pumping stations.

Distribution

The Distribution group completed the following work during the month of January:

- Repaired nine leaking services totaling 1,648,800 gallons of unaccountable water – 503 N. 29th Street, 2314 Kensington Street, 204 S. 13th Street, 2312 Kensington Street, 1235 South 14th Street, 1825 Herr Street, 2523 Derry Street, 3166 N. 6th Street, and 3164 N. 6th Street.
- Repaired four water main breaks totaling 309,007 gallons of unaccountable water – 813 Market Street, 656 Schuylkill Street, 3 N. 36th Street, and 505 N. 29th Street.
- Completed 220 work orders.
- Completed 482 water, sewer, and stormwater locates.
- Worked with contractors on several water, sewer, and stormwater Capital Improvement Projects.

Water Quality

In addition to overseeing the operation of both the accredited and process laboratories, the Water Quality Administrator:

- Ensured collection of monthly regulatory samples for Total Coliform and E. Coli, there were no exceedances for any of these samples.
- Ensured collection of all quarterly regulatory samples for THM, HAA, TOC, and alkalinity. There were no exceedances for any of these tests.
- Ensured collection of annual regulatory IOC testing. There were no exceedances for any of these tests.
- Received no taste and odor complaints.



CAPITAL REGION™

WATER

Drinking Water Exhibits



EXHIBIT A Water Quality Analysis - 2025

PARAMETERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Average	MCL Limits/Goals
Total Coliform: Presence/Absence														
Distribution System	A													5% P
Chlorine Residual, mg/L Free														
Filter Plant Effluent	1.93													0.2 - 4.0
Distribution System	1.32													>0.20
Turbidity, NTU														
Influent from DeHart	0.89													NA
Influent from Susquehanna	NA													NA
Filter Plant Effluent Monthly Max	0.05													0.15
pH, Std Units														
Influent from DeHart	6.6													NA
Influent from Susquehanna	NA													NA
Filter Plant Effluent	7.4													7.2 - 7.8
Distribution System	7.6													7.0 - 8.0
Total Alkalinity, mg/L as CaCO3														
Influent DeHart	5													NA
Influent from Susquehanna	NA													NA
Filter Plant Effluent	16													NA
Distribution System	25													>15
Distribution System Monthly Minimum	18													>15
Temperature, degrees C														
Influent from DeHart	8.2													NA
Influent from Susquehanna	NA													NA
Filter Plant Effluent	7.8													NA
Distribution System	12.2													NA
Fluoride, mg/L														
Filter Plant Effluent	0.75													2
Aluminum, mg/L														
Filter Plant Effluent	0.01													0.2*
Iron, mg/L														
Influent from DeHart	0.12													NA
Influent from Susquehanna	NA													NA
Filter Plant Effluent	0.02													0.3*
Distribution System	0.01													0.3*
Total Dissolved Solids, mg/L														
Influent from DeHart	15													NA
Influent from Susquehanna	NA													NA
Filter Plant Effluent	40													500*
Distribution System	45													500*
Total Hardness, mg/L														
Influent from DeHart	8													NA
Influent from Susquehanna	NA													NA
Filter Plant Effluent	14													NA
Distribution System	10													NA
Orthophosphate, mg/L														
Filter Plant Effluent	1.27													0.7 - 1.3*
Distribution System	1.10													>1.0
**Total Trihalomethanes, ug/L														
Distribution System	27.7													80.0
**Total Haloacetic Acids, ug/L														
Distribution System	27.3													60.0
Total Organic Carbon, mg/L														
Influent from DeHart	2.20													NA
Influent from Susquehanna	NA													NA
Filter Plant Effluent	1.20													NA
Average Filter Run, Hours	139													NA

*** Not Available at Time of Report

* Values are related to DEP Secondary MCL

** Running Annual Quarterly Average

EXHIBIT B

Water Production Data - 2025

Month	DeHart Withdrawal		River Withdrawal		Total Withdrawal		Plant Influent		Process Water		Finished Water	
	Total (MG)	Average (MGD)	Total (MG)	Average (MGD)	Total (MG)	Average (MGD)	Total (MG)	Average (MGD)	Total (MG)	Average (MGD)	Total (MG)	Average (MGD)
January	225.344	7.269	0.000	0.000	225.344	7.269	222.903	7.190	12.144	0.392	221.156	7.134
February												
March												
April												
May												
June												
July												
August												
September												
October												
November												
December												
Total	225.344		0.000		225.344		222.903		12.144		221.156	
Average	225.344	7.269	0.000	0.000	225.344	7.269	222.903	7.190	12.144	0.392	221.156	7.134

Peak Day Water Use 1/28/2025 9.256 (MG) = Million Gallons
 Minimum Day Water Use 1/21/2025 3.958 (MGD) = Million Gallons per Day

EXHIBIT C

Rainfall at the DeHart Reservoir - 2025
(inches)

Date	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
2025 Total	0.30												0.30
Daily Average	0.020												0.020
Ten Year Average	3.898	2.379	3.188	3.675	4.576	3.998	5.436	4.433	4.833	3.156	2.377	3.125	45.074
2024 Total	11.69	2.14	3.92	4.55	7.14	2.15	0.68	6.67	2.81	0.74	1.94	2.98	47.41

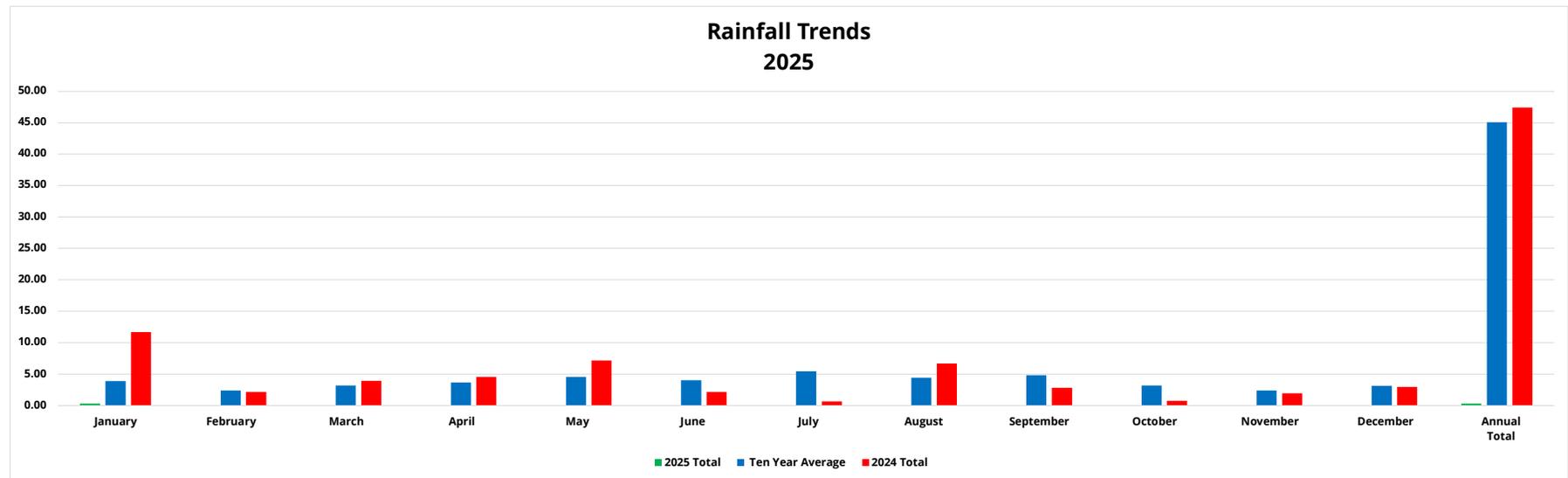


EXHIBIT D

Water Level at the DeHart Reservoir - 2025
(Inches from Spillway)

Date	January	February	March	April	May	June	July	August	September	October	November	December
2025 AVG	-111.0											
Ten Year AVG	-28.3	-24.8	-25.0	-11.0	-3.6	-4.0	-8.5	-19.4	-25.4	-37.7	-41.1	-39.9
2024 AVG	1.5	3.1	2.8	2.3	1.2	-9.4	-27.0	-36.0	-54.8	-76.5	-92.0	-96.0

DeHart Reservoir Water Level Trends
2025

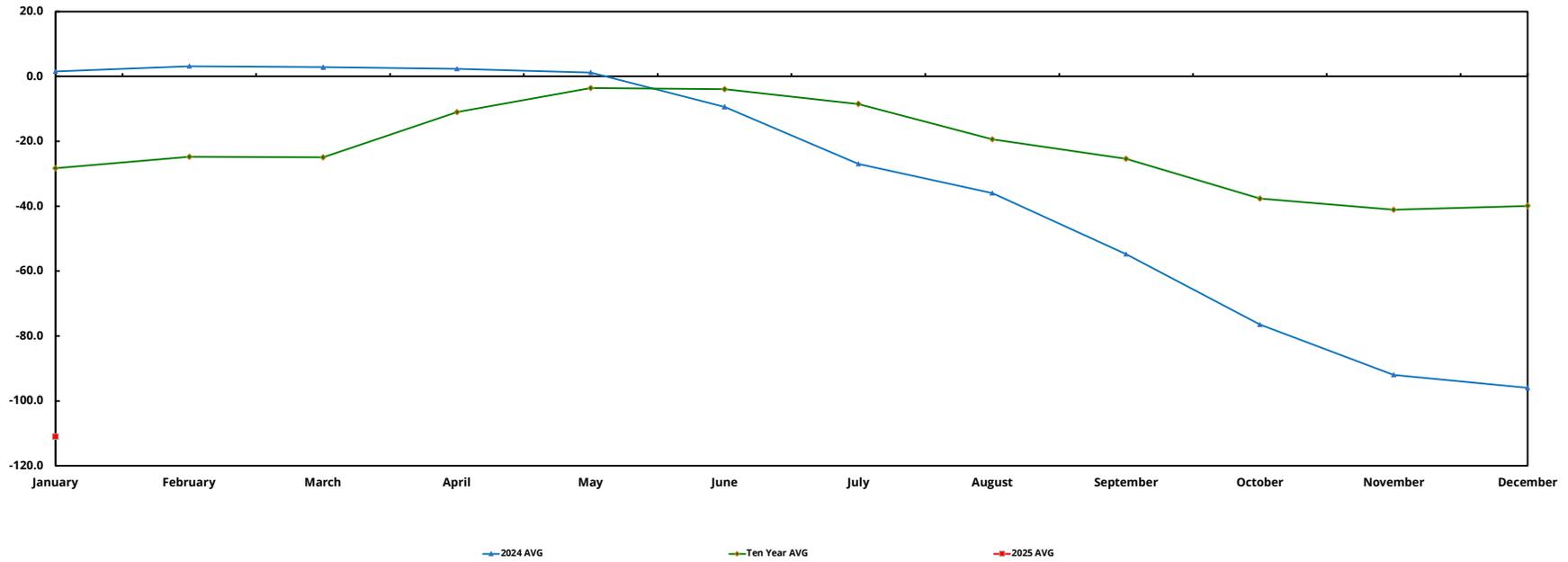


EXHIBIT E

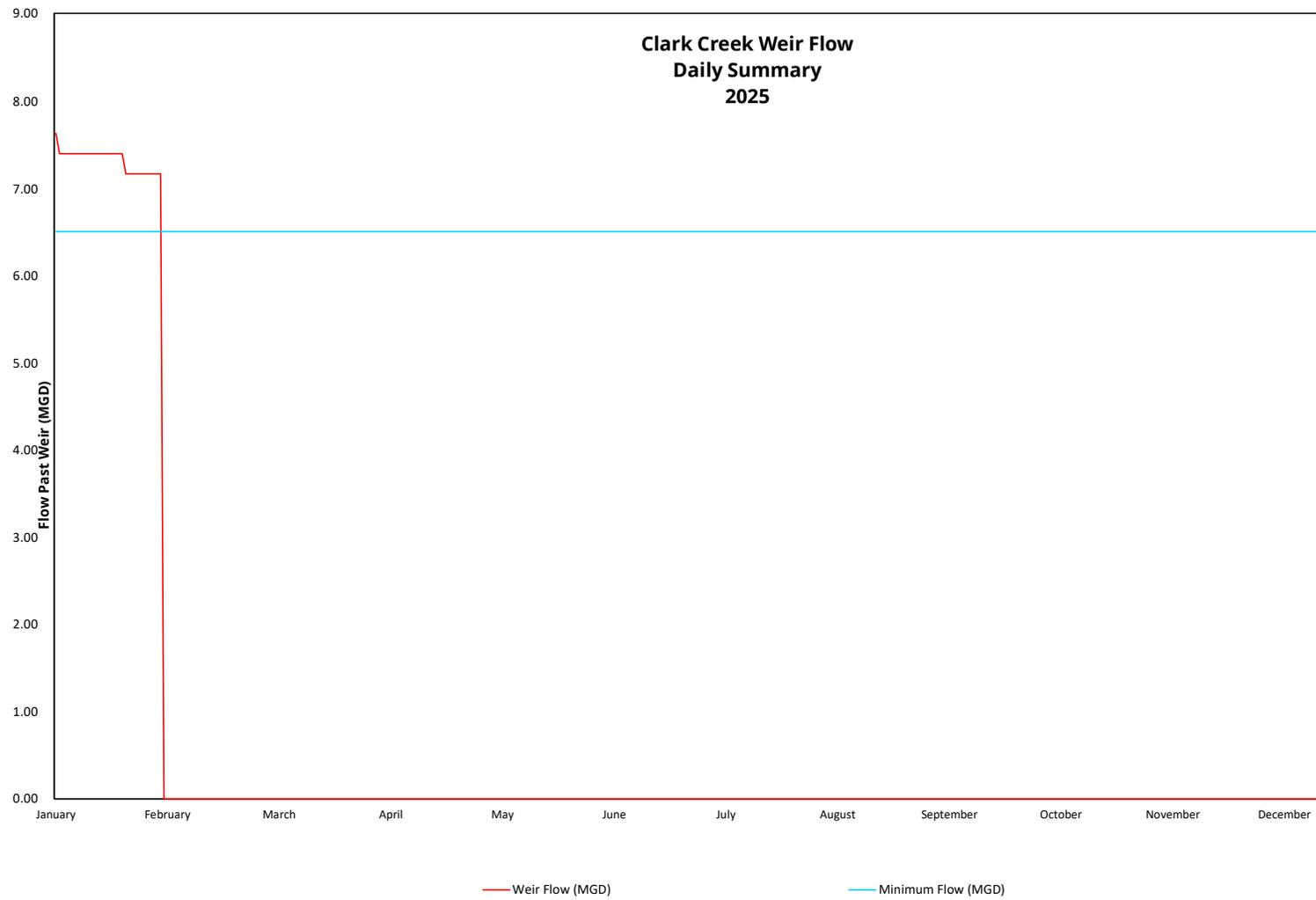


EXHIBIT F
Utility Usage - 2025

Location / Utility	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Water Services Center														
Electric Transmission														
Total, kWh														0
Cost, Dollars														\$0.00
Electric Generation														
Total, kWh														0
Cost, Dollars														\$0.00
Natural Gas														
Total, Cu Ft														0
Cost, Dollars														\$0.00
Sewer														
Total, Gal														0
Cost, Dollars														\$0.00
Refuse														
Cost, Dollars	\$509.60												\$509.60	\$509.60
Reservoir Park Pump Station														
Electric Transmission														
Total, kWh														0
Cost, Dollars														\$0.00
Electric Generation														
Total, kWh														0
Cost, Dollars														\$0.00
Natural Gas														
Total, Cu Ft														0
Cost, Dollars														\$0.00
Susquehanna River Pump Station														
Electric Transmission														
Total, kWh														0
Cost, Dollars														\$0.00
Electric Generation														
Total, kWh														0
Cost, Dollars														\$0.00
Natural Gas														
Total, Cu Ft														0
Cost, Dollars														\$0.00
Union Square Booster Station														
Electric Transmission														
Total, kWh														0
Cost, Dollars														\$0.00
Electric Generation														
Total, kWh														0
Cost, Dollars														\$0.00
DeHart Facilities														
Electric Transmission														
Total, kWh														0
Cost, Dollars														\$0.00
Electric Generation														
Total, kWh														0
Cost, Dollars														\$0.00
Fuel Oil														
Total, Gals.	0												0	0
Cost, Dollars	\$0.00												\$0.00	\$0.00
City Island Heat Trace														
Electric Transmission														
Total, kWh														0
Cost, Dollars														\$0.00
Electric Generation														
Total, kWh														0
Cost, Dollars														\$0.00
Expenditures YTD														\$510

** Not available at time report was developed

Total Transmission	\$0
Total Generation	\$0
Total Refuse	\$510
Total Gas	\$0
Total Sewer	\$0
Total Fuel Oil	\$0
Total Utilities	\$0

Exhibit G

Hydro-Turbine Generator Performance - 2025

Month	Kilowatt-hour (KWH)	Anticipated Savings *
January	0	\$0
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
Average	0	\$0
Year to Date	0	\$0

* Estimated savings based on electrical rate of \$0.148 per KWH

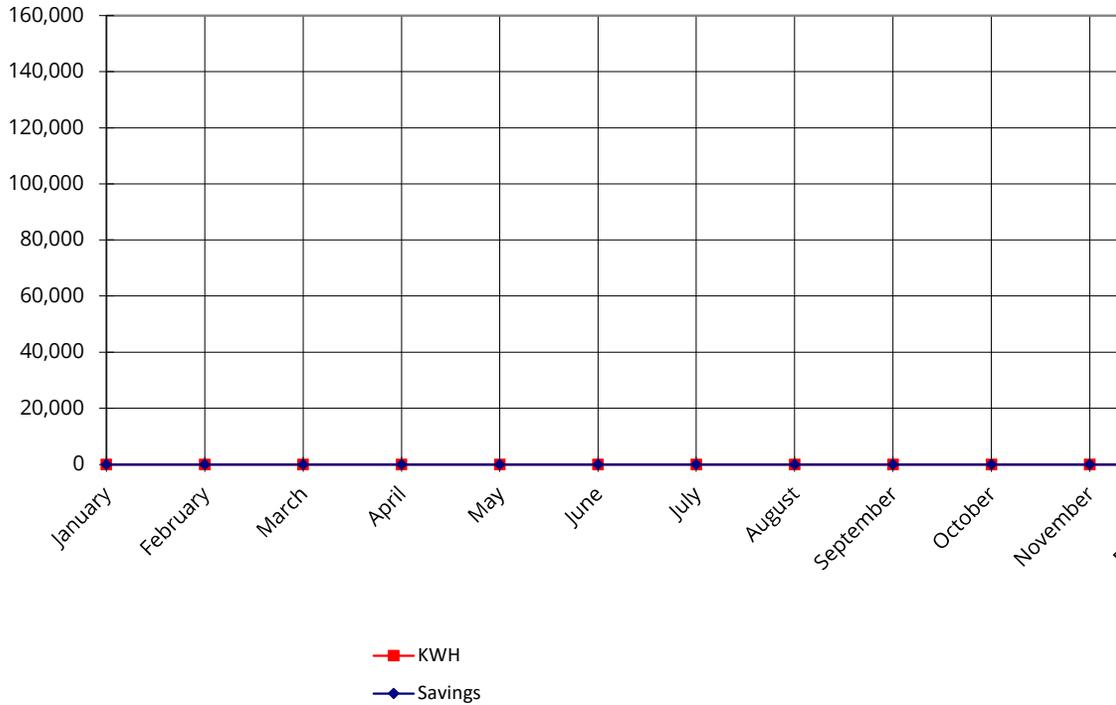


EXHIBIT H
Treatment Chemical Usage - 2025

Chemical	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Chlorine														
Total Lbs.	5,939												5,939	5,939
Average, Chlorine Lbs./Day	191												191.0	
Average, Chlorine Dose, mg/L	3.1												3.1	
Chlorine, Cost, \$/Lbs.	\$1,639	\$1,639	\$1,639	\$1,639	\$1,639	\$1,639	\$1,639	\$1,639	\$1,639	\$1,639	\$1,639	\$1,639	1.6	
Chlorine Total Cost, Dollars	\$9,734	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$811.17	\$9,734.02
Alum 48.5%														
Total Lbs.	31,632												31,632	31,632
Average, Alum, Lbs./Day	495												495.0	
Average, Alum, mg/L	17.0												17.0	
Alum Cost, \$/Lbs.	\$0.121	\$0.121	\$0.121	\$0.121	\$0.121	\$0.121	\$0.121	\$0.121	\$0.121	\$0.121	\$0.121	\$0.121	0.1	
Alum Total Cost, Dollars	\$3,827	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$318.96	\$3,827.47
Lime														
Total Lbs.	1,402												1,402	1,402
Average Lime, Lbs./Day	45												45.0	
Average, Lime Dose, mg/L	4.9												4.9	
Lime Cost, \$/Lbs.	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	
Lime Total Cost, Dollars	\$1,051.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$87.63	\$1,051.50
Soda Ash														
Total Lbs.	53,264												53,264	53,264
Average Soda Ash, Lbs./Day	1,718												1718.0	
Average, Soda Ash Dose, mg/L	27.1												27.1	
Soda Ash Cost, \$/Lbs.	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	\$0.390	0.4	
Soda Ash Total Cost, Dollars	\$20,773	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,731.08	\$20,772.96
Fluoride														
Total Lbs.	1,294												1,294	1,294
Average, Fluoride Lbs./Day	41												41.0	
Average, Fluoride (F-) Dose, mg/L	0.7												0.7	
Fluoride Cost, \$/Lbs.	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	\$0.30	
Fluoride Total Cost, Dollars	\$382	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31.81	\$381.73
Sodium Hydroxide 50%														
Total NaOH 50% dry Lbs.	6,698												6,698	6,698
Average NaOH 50%, dry Lbs./Day	216												216	
Average, NaOH 50%, mg/L	1.6												1.6	
NaOH 50% Cost, dry \$/Lbs	\$0.298	\$0.298	\$0.298	\$0.298	\$0.298	\$0.298	\$0.298	\$0.298	\$0.298	\$0.298	\$0.298	\$0.298	0.3	
NaOH 50% Total Cost, Dollars	\$1,997	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$166.45	\$1,997.34
Zinc Orthophosphate														
Total Zn3(PO4)2, wet Lbs.	4,427												4,427	4,427
Average Zn3(PO4)2, wet Lbs./Day	143												143.0	
Average, Zn3(PO4)2 Dose, mg/L	2.4												2.4	
Zn3(PO4)2 Cost, wet \$/Lbs.	\$1,724	\$1,724	\$1,724	\$1,724	\$1,724	\$1,724	\$1,724	\$1,724	\$1,724	\$1,724	\$1,724	\$1,724	1.7	
Zn3(PO4)2 Total Cost, Dollars	\$7,631	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$635.88	\$7,630.53
Sodium Permanganate														
Total NaMnO4, Lbs.	0												0	0
Average NaMnO4, Lbs./Day	0												0.0	
Average, NaMnO4 Dose, mg/L	0.0												0.0	
NaMnO4 Cost, \$/Lbs.	\$1.95												\$1.95	
NaMnO4 Total Cost, Dollars	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0	\$0.00	\$0.00	\$0.00
Expenditure	\$44,345.67												\$44,345.67	\$45,395.56
Average Treated Cost per (MG)	\$190.16													
Total Treated Flow (MGD)	221.156													221.156
Average Treated Flow (MGD)	7.134													

EXHIBIT I

DISTRIBUTION DEPARTMENT ACTIVITIES - 2025

Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	Average
PA One Call Locates	482												482	482
Leak Detection Assessment (Percent of Distribution System)	8												8	8
Main Break Repair - Detected Non-Surfacing	0												0	0
Main Breaks Repaired - Emergency	4												4	4
Service Line Leaks Detected	0												0	0
Service Line Leaks Repaired	9												9	9
Valves - Exercised	3												3	3
Valves - Replaced	0												0	0
Hydrant Flow Tests	0												0	0
Hydrants Returned to Service	0												0	0
Water Tap - Disconnected	0												0	0
Water Tap - New Connection	0												0	0
Water Shutoffs - Other	40												40	40
Water Shutoffs - Non Payment	0												0	0
Water Restoration Turn on Other	22												22	22

EXHIBIT J

Metering Activities - 2025

Board Monthly Report	Distribution Monthly Report														
Activity	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	Average
Meter Installations															
Replacement	Missing	0													
	Leaking	0													
	Frozen	21													
	Non-registering	0													
	Large Meters ¹	0													
New Service	New Installation	0													
Meter Service															
MIU's Replaced	MIU's Replaced	1													
Batteries Replaced	Batteries Replaced	0													
Meter Pits Serviced	Meter Pits Serviced	0													
Meter Calibrations															
Small Meters ²	Calibrated meters	0													

1 Large Meters are Meters 3" or greater that are calibrated at the customer's location by a contracted calibration service, assisted and witnessed by CRW staff

2 Small Meters are Meters 2" or less that are calibrated at the Water Services Center by CRW staff on a certified calibration stand

EXHIBIT K

Miscellaneous Water Usage (gals) - 2025

Category of Water Use	Description	Jan	Feb	Mar	APR	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	Average
Plant Use	Plant Use	35,680,000												35,680,000	35,680,000
Billed Metered Exported	Bulk Water Hauling	57,056												57,056	57,056
Billed Metered	Hydrant Connections	N/A												0	#DIV/0!
Billed Unmetered	Hydrant Flow Tests	0												0	0
Unbilled Unmetered	Hydrant Flushing (and Unbilled Authorized)	63,025												63,025	63,025
Leakage on Distribution Mains	Main Leaks	309,007												309,007	309,007
Leakage on Service Lines	Service Leaks	1,648,800												1,648,800	1,648,800
	Total	37,757,888	0	0	0	0	0	0	0	0	0	0	0	37,757,888	3,146,491



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WATER

Wastewater

Wastewater





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WATER

WASTEWATER DEPARTMENT MONTHLY REPORT



New Water Line Install for Energy Recovery Improvements Project

January 2025

1662 South Cameron Street, Harrisburg, PA 17104 | 888-510-0606
capitalregionwater.com

Overview

The Wastewater department focused on the replacement of major components to the Linear Motion Mixer (LMM) systems for its two Anaerobic Digesters in January. These mixing systems, responsible for continuously maintaining homogenous biological treatment of 3.6 million gallons of sludge to efficiently produce biogas, have been prone to repeated failures of various components since its installation in 2021 and 2022.

The Advanced Wastewater Treatment Facility (AWTF) Operations and Maintenance staff communicated and worked closely with the manufacturer during these failures and secured a commitment to fully resolving the issues that have been encountered. After a week of collaboration on site with the manufacturer and subcontractors, approximately 90 percent of the mixing systems have been replaced with redesigned and newly manufactured components. As of the time of reporting, both mixing systems have been functioning as originally intended. As a result, the process is seeing a dramatic reduction in volatile solids and biogas production. Operations and Maintenance staff will continue to monitor the performance of these systems closely and will report any subsequent issues to the manufacturer.

Operations

During the month of January, the AWTF met all monthly average NPDES requirements. No Dry Weather or Sanitary Sewer Overflows were reported.

Hydraulic loading to the AWTF averaged 14.9 million gallons per day (MGD) during the month. The treatment process achieved removal reductions of 98.5 percent CBOD, 97.4 percent Suspended Solids, 74.9 percent Phosphorus, and 71.0 percent Ammonia (Exhibit A).

The Contract Waste Hauling program collected \$35,551.35 in revenue from 939,640 gallons discharged (Exhibit G). January saw just over one-half inch of rain, this spells very low leachate totals and low revenue.

The Cogeneration Facility experienced a run time of 6 percent on Unit No.1 in January. Revenue is estimated at \$736.79 on 6,300 Kilowatt-hours generated for the month. Unit No.1 has ongoing major mechanical issues that cause lengthy shutdowns due to long lead times on parts and service.

Laboratory

- Received quotes for pricing of laboratory services from ALS, Suburban Testing Labs, and Eurofins for 2025 PO's.

-
- Continued fume hood replacement by Maintenance department. The project is nearing completion.
 - Tweaking and adjusting our new supplemental report forms from PADEP in regard to the new NPDES permit.

Pretreatment

- Followed up with Industrial Users to gather missing items necessary to complete Facility Inspection Reports.
- Calculated 2025's surcharge rates for applicable Industrial Users based off 2024 compliance sampling analysis data.
- Updating contract waste hauling license plate list as required by new NPDES requirements.
- Received annual Chapter 94 pretreatment report for the USEPA, started completing the exhibits.

Plant Maintenance

- Designed and installed a new vacuum priming system on all four sewer pumps at the Front Street Pump Station. This has been a major initiative as the pumps have experienced frequent airbounding issues causing constant trips by operators to the station to troubleshoot the pumps. After several approaches to resolving this problem, the maintenance staff is hopeful that they may have found the final solution to this issue.
- Repaired damaged conveyor panels on the Belt Filter Press.
- Repaired damaged Divert Pump due to frozen discharge piping.
- Replaced the blower motor for the gas fired heating unit on the roof of the Belt Filter Press.
- The Spring Creek Pump Station barscreen is out of service caused by clutch failure. A replacement is scheduled to ship on February 15, 2025.
- Repaired the roof top ventilation drive on the Settled Sewage Pump Station.
- Repaired a ruptured effluent water line in basement of Settled Sewage Pump Station.
- Repaired a frozen waterline on the washer compactor for rag removal system at the Front Street Pump Station.
- Performed weekly service and maintenance on the JCB Wheel Loader.
- Performed monthly vehicle maintenance in preparation for state inspections.
- Performed monthly maintenance on the Market Street Pump Station standby generator.
- Performed maintenance tasks per requests at the 3003 N. Front Street Office Building.

Field Construction

- Repaired 10 inlets in various locations throughout the City of Harrisburg.

- Replaced 36 feet of VCP with SDR pipe on Burma Street.
- Aided Kinsley in the repair of a storm lateral that they hit in the process of an excavation.
- Started a project to excavate an abandoned power station sub-structure in the laydown yard in support of the design for the new Field Building to be built on that site.
- Removed a section of 15-inch pipe to grant access to Field Operations crew. This was in support of a stormwater separation project for engineering.

Field Operations

- Performed CCTV assessment of 5,085 feet (0.96 miles) of pipe.
- Flushed 3,359 feet (0.64 miles) of sewer pipe.
- Responded to six backup and overflow calls with none being CRW's responsibility.
- Responded to six sinkhole calls with none being CRW's responsibility.
- There were no Dry Weather or Sanitary Sewer Overflows this month.
- Cleaned 10 stormwater inlets.
- CCTV'd four sewer separation projects requested by the Engineering department.
- Vacuumed grease from seven CSO chambers due to lack of rain.
- Vacuumed two sewer manholes for excessive debris.

Street Sweeping

- No complaints were received this month.
- Completed 141 inlet inspections.
- Completed 295 miles (estimate) of scheduled street sweeping within the City of Harrisburg.
- GPS upgrades were installed on all sweepers.
- There was no water usage this month. Low usage was due to weather conditions and canceled dates.
- Attending the Green Stormwater Infrastructure meetings when scheduled.
- There were three non-scheduled sweeping days in January. The crew performed preventative maintenance on equipment and cleaned inlets. Also swept Front Street, Cameron Street, Industrial Road, Division Street, State and Mulberry Street Bridges, and the Water Services Center.

Environmental Compliance

All illicit discharge and FOG complaints have been handled by other Wastewater management staff while the Environmental Compliance Inspector has been on leave until her return in February.



CAPITAL REGION™

WATER

Wastewater Exhibits

EXHIBIT A

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Process Control - 2025

Parameters	January	February	March	April	May	June	July	August	September	October	November	December	Average	NPDES Limits
Volume, MGD	14.9												14.9	37.7
Carbonaceous Biochemical Oxygen Demand														
Influent, mg/L	203												203	-----
Effluent, mg/L	3												3	25
Percent Removal, %	98.5												98.5	-----
Effluent Loading, lb/d	366												366	7,860
Suspended Solids:														
Influent, mg/L	195												195	-----
Effluent, mg/L	5												5	30
Percent Removal, %	97.4												97.4	-----
Effluent Loading, lb/d	621												621	9,433
Nitrogen														
Total-N														
Influent, mg/L	31												31	-----
Effluent, mg/L	9.3												9	Monitor
Percent Removal, %	70.1												70.1	-----
Effluent Loading, lb/d	1,140												1,140	-----
NH3-N														
Influent mg/L	21												21	-----
Effluent, mg/L	6.2												6	11 (2)
Percent Removal, %	71.0												71.0	-----
Effluent Loading, lb/d	765												765	4,716
Phosphorus:														
Influent, mg/L	4.6												4.6	-----
Effluent, mg/L	1.1												1.1	2.0
Percent Removal, %	74.9												74.9	-----
Effluent Loading, lb/d	142												142	629
pH:														
Influent, Std. Units	7.4												7.4	-----
Effluent, Std. Units	7.3												7.3	6.0 - 9.0
Dissolved Oxygen:														
Effluent Minimum, mg/L	8.6												8.6	5.0 Min.
Fecal Coliform:														
Effluent, No./100 ml	<2.7													200/100 ml (1)
Chlorine Residual:														
Effluent, mg/L	0.33												0.33	0.50

(1) Seasonal limit 2,000/100 ml Oct. 1 to Apr. 30 and 200/100 ml May 1 to Sept. 30.

(2) Seasonal Limit May 1 to Nov.1.

EXHIBIT B

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Flow Monitoring Information, MGD - 2025

Month	Total			City Regions					Suburb Regions					Total Precip inches
	Flow	City	Suburbs	1	2	3	4	5	6	7	8	9	10	
January	14.900	5.418	9.482	5.290	0.118	0.300	-0.390	0.100	1.200	4.190	1.362	2.450	0.280	0.560
February														
March														
April														
May														
June														
July														
August														
September														
October														
November														
December														
Average	14.90	5.42	9.48											0.56
Percent	100.00	36.37	63.63											0.56

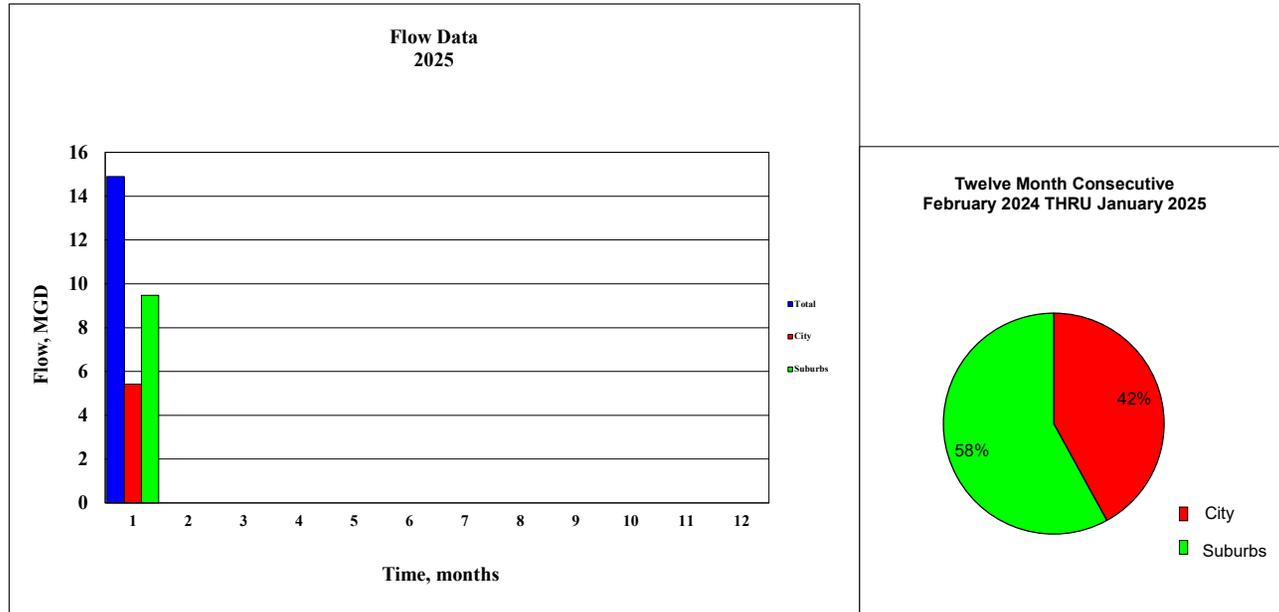


EXHIBIT C

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Treatment Utility and Chemical Usage - 2025

Utility / Chemical	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Electric														
Total, kWh	*												0	0
Average, kWh/Day														-----
Cost, Dollars	*												\$0.00	\$0.00
Natural Gas														
Total, Cu Ft	*												0	0
Average, Cu Ft/Day														-----
Cost, Dollars	*												\$0.00	\$0.00
Water														
Total, Gal.	*													0
Average, Gal./Day														-----
Cost, Dollars	*												\$0.00	\$0.00
MicroC														
Total, Gal.	0												0	0
Average, Gal./Day	0.0												0	-----
Cost, Dollars	\$0												\$0.00	\$0.00
Sodium Hydroxide														
Total, Gal.	0												0	0
Average, Gal./Day	0												0	-----
Cost, Dollars	0												\$0.00	\$0.00
Chlorine Disinfection														
Total, Lbs.	6,620												6,620	6,620
Average, Lbs./Day	214												214	-----
Avg Residual, mg/L	0.33												0.33	-----
Cost, \$/Lbs.	\$1.64												\$1.64	-----
Total Cost, Dollars	\$10,856.80												\$10,856.80	\$10,856.80
Phosphorous Removal														
Total FeCl3, Gals.	8,600												8,600	8,600
Avg FeCl3, Gals./Day	277												277	-----
FeCl3 Cost, \$/Gal.	\$1.74												\$1.74	-----
FeCl3 Total Cost, Dollars	\$14,964.00												\$14,964.00	\$14,964.00

* No data at time of report

EXHIBIT D

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Cogeneration Electrical Production: 2024-2025

	Period	Percent Run Time	Daily Avg Kilowatt	Kilowatt Hours Produced	Estimated Revenue
January 2024		2	87	2,700	\$315.77
February 2024		0	0	0	\$0.00
March 2024		3	116	3,600	\$421.02
April 2024		14	480	14,400	\$1,684.08
May 2024		30	1,016	31,500	\$3,683.93
June 2024		7	240	7,200	\$842.04
July 2024		0	0	0	\$0.00
August 2024		0	0	0	\$0.00
September 2024		0	0	0	\$0.00
October 2024		0	0	0	\$0.00
November 2024		0	0	0	\$0.00
December 2024		0	0	0	\$0.00
<hr/>					
Total - 2024				59,400	\$6,946.83
Monthly Average - 2024		5	162	4,950	\$578.90
January 2025		6	203	6,300	\$736.79
February 2025					\$0.00
March 2025					\$0.00
April 2025					\$0.00
May 2025					\$0.00
June 2025					\$0.00
July 2025					\$0.00
August 2025					\$0.00
September 2025					\$0.00
October 2025					\$0.00
November 2025					\$0.00
December 2025					\$0.00
<hr/>					
Total - 2025				6,300	\$736.79
Monthly Average - 2025		6	203	6,300	\$61.40

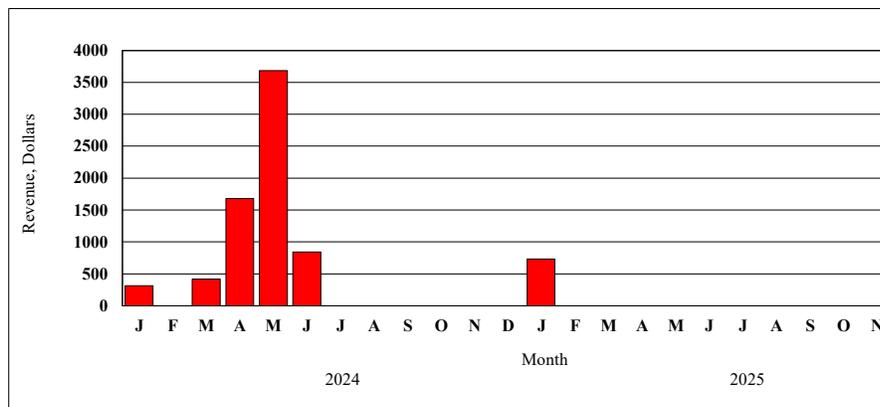


EXHIBIT E

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Sludge Handling Information - 2025

Process	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Solids Removal														
Process, Lbs.	1,707,372												1,707,372	1,707,372
CWH Program, Lbs.	106,442												106,442	106,442
Total Solids, Lbs.	1,813,814												1,813,814	1,813,814
Sludge Dewatering														
Feed Volume, Gals.	3,590,000													
Feed Solids, %	1.9												1.9	1.9
Labor, Hours	1065												1,065	1,065
Operations, Hours	554												554	554
Total Cake, Dry Tons	153												153	153
Total Cake, Wet Tons	1,014												1,014	1,014
Cake TS, %	15.1												15.1	15.1
Press Rate, Lbs./Hour	3,661												3,661	3,661
Polymer Dosage, Lbs	3,370												3,370	3,370
Polymer Dosage, Lbs/Dry Ton	21.4												21.4	21.4
Disposal Cost														
Labor, Dollars	\$20,469.30												\$20,469.30	\$20,469.30
Electrical, Dollars	\$243.76												\$243.76	\$243.76
Polymer, Dollars	\$7,346.38												\$7,346.38	\$7,346.38
Disposal, Dollars	\$37,640.20												\$37,640.20	\$37,640.20
Total Cost, Dollars	\$65,699.64												\$65,699.64	\$65,699.64
Cost Per Dry Ton, Dollars	\$429.41												\$429.41	\$429.41

CAPITAL REGION WATER ADVANCED WASTEWATER TREATMENT FACILITY

Conveyance Utility Usage - 2025

Location / Utility	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Front Street Pump Station														
Electric														
Total, kWh	*													0
Average, kWh/Day														----
Cost, Dollars	*													\$0.00
Fuel Oil														
Total, Gals.	0													0
Average, Gals./Day	0													----
Cost, Dollars	\$0.00													\$0.00
Water														
Total, Gals.	*													0
Average, Gal./Day														----
Cost, Dollars	*													\$0.00
Spring Creek Pump Station														
Electric														
Total, kWh	*													0
Average, kWh/Day														----
Cost, Dollars	*													\$0.00
Fuel Oil														
Total, Gals.	0												0	0
Average, Gals./Day	0												0	----
Cost, Dollars	\$0.00												\$0.00	\$0.00
Water														
Total, Gals.	*													0
Average, Gal./Day														----
Cost, Dollars	*													\$0.00
Market Street Pump Station														
Electric														
Total, kWh	*													0
Average, kWh/Day														----
Cost, Dollars	*													\$0.00
Fuel Oil														
Total, Gals.	0												0	0
Average, Gals./Day	0												0	----
Cost, Dollars	\$0.00												\$0.00	\$0.00
City Island Pump Station														
Electric														
Total, kWh	*													0
Average, kWh/Day	#VALUE!													----
Cost, Dollars	*													\$0.00

* No Data at time of report

EXHIBIT G

CAPITAL REGION WATER ADVANCED WASTEWATER TREATMENT FACILITY

Contract Waste Hauling Program 2024 - 2025

Month	Process		Septic		Total	
	Gallons	Revenue	Gallons	Revenue	Gallons	Revenue
January	2,077,950	\$114,775.25	161,300	\$5,749.20	2,239,250	\$120,524.45
February	3,281,800	\$176,962.65	174,000	\$6,217.20	3,455,800	\$183,179.85
March	3,634,040	\$178,316.53	193,500	\$6,916.50	3,827,540	\$185,233.03
April	3,041,860	\$93,459.72	245,100	\$8,787.60	3,286,960	\$102,247.32
May	2,713,190	\$102,025.04	295,000	\$10,534.50	3,008,190	\$112,559.54
June	1,431,290	\$51,730.00	320,300	\$11,490.30	1,751,590	\$63,220.77
July	1,641,300	\$54,832.46	324,750	\$11,619.00	1,966,050	\$66,451.46
August	2,781,170	\$89,753.53	315,600	\$11,316.60	3,096,770	\$101,052.13
September	843,700	\$32,760.90	293,000	\$10,431.00	1,136,700	\$43,191.90
October	526,920	\$21,583.31	314,400	\$11,275.65	841,320	\$32,858.96
November	342,770	\$15,255.35	293,500	\$10,488.60	636,270	\$25,743.95
December	721,750	\$32,337.90	213,150	\$7,605.90	934,900	\$39,943.80

Total - 2024	23,037,740	\$963,792.64	3,143,600	\$112,432.05	26,181,340	\$1,076,207.16
Monthly Average - 2024	1,919,812	\$80,316.05	261,967	\$9,369.34	2,181,778	\$89,683.93

January	766,790	\$29,396.25	172,850	\$6,155.10	939,640	\$35,551.35
February						
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						

Total - 2025	766,790	\$29,396.25	172,850	\$6,155.10	939,640	\$35,551.35
Monthly Average - 2025	766,790	\$29,396.25	172,850	\$6,155.10	939,640	\$35,551.35

