

October 2024
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Ensure Financial Stability		
Reconciled Bank Account Balances	Provided separately to the Board.	
Monthly Balance Sheets		
Monthly Income Statements		
Monthly Financial Dashboard		
AP Check Reconciliation Register	Provided separately to the Board.	
Drinking Water Capital Improvement	Provided separately to the Board.	
Projects		
Wastewater Capital Improvement Projects	Provided separately to the Board.	
Stormwater Capital Improvement Projects	Provided separately to the Board.	
Grant Management Report		
Loan Summary Report		
<b>Ensure Revenues are Consistent with Syste</b>	em Usage	
Water Shut-offs	There were 43 water shut-offs for non-payment and 59 service shut-off requests.	
Panair/Panlaco Motors/MVIIs/Pattorios	Drinking Water Distribution staff replaced 0 water meters 0 batteries and 0 MVI Is	

Water Shut-offs	There were 43 water shut-offs for non-payment and 59 service shut-off requests.				
Repair/Replace Meters/MXUs/Batteries	Drinking Water Distribution staff replaced 0 water meters, 0 batteries and 0 MXUs.				
Reduce Wet Weather Impacts to Infrastruc	ture, Community, and Receiving Waters				
Negotiate with PADEP/U.S. EPA/DOJ on	No updates.				
Past and Future Practices					
Develop Necessary Planning for	The Revised CBH2O Program Plan will refine the long term implementation goals for Green Stormwater Infrastructure which will help frame our future years of GSI				
Implementation of Green Infrastructure	planning, design, and construction.				
Joint Pollutant Reduction Plan -	No updates.				
Collaborate with Suburban Partners on					
MS4					
Obtain and Comply with Individual MS4	No updates.				
Permit					



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Operate Facilities with a High Standard Permit Compliance	The Drinking Water department met all primary and secondary Safe Drinking Water Act permit parameters for the month of October.
	The Advanced Wastewater Treatment Facility (AWTF) met all NPDES Permit parameters for the month of October. One Sanitary Sewer Overflow and three Dry Weather
	Overflows were reported. Details are contained in the Field Operations section of the Wastewater Department Monthly Report for October.
Notice of Violations (NOVs)	There were no NOVs received by the Drinking Water department in October.
, , , , , , , , , , , , , , , , , , , ,	There were no NOVs received by the Wastewater department in October.
Preventative Maintenance	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 October.
	The Wastewater department completed all regularly scheduled preventative maintenance in the month of October, and began it's semi-annual lubrication PMs for
	equipment at the AWTF.
ССТУ	Flushing and CCTV statistics for October were not available at the time of reporting.
Incident Response	Wastewater responded to 12 backup and overflow calls from residents during the month of October. CRW was responsible for one.
Geographic Information System (GIS)	• Ten (10) Pennsylvania One Call tickets were completed. All required a map.
	• Lead Service Line Inventory (LSLI) project support continues. This includes working with multiple internal departments and the U.S. EPA and its partners.
	• LSLI data was submitted to PADEP as required.
	• The public facing webmap related to displaying the LSLI material was published as required.
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### **Asset Management**

### Roadmap activity report:

# Roadmap Implementation Groups (RIG) Decision Making Capital Planning RIG

- Task 2.1 Funding Strategy. Task complete.
- Task 2.2 Budget Processing Workflow finalized 6/21/2024. Task complete.
- Task 2.3 AWTF Rehabilitation and Renewal Process. Meeting scheduled for 12/16/2024 to present final recommendations for rehabilitation and renewals of AWTF assets.

### Information System Data Management RIG

- Task 3.1 Contractor Provided Updates to Asset Inventory. Project on hold. Meeting scheduled for 11/15/2024 to review scope.
- Task 3.2 Integrations and Interface. Internal meeting scheduled for 11/18/2024 to discuss options for publishing dashboards locally that are currently hosted by consulting firm.

### **Operations and Maintenance RIG**

- Task 4.1 Distribution Asset Management Plan (DAMP). Version 2 of the plan will be issued to include the final risk thresholds and operational and maintenance strategies applied to the 20-year Capital Improvement Plan.
- Task 4.2 Asset Class Plans. Task completed.
- Task 4.3 Collections Job Plans. Working sessions scheduled for 11/14/2025, 12/5/2024 and 12/16/2024 to refine and finalize draft job plans.
- Task 4.4 Problem/Cause/Remedy (PCR) Codes. Task completed.
- Task 6.1 WSC Asset Inventory and Visual Condition Assessment. Completed.

### **Organizational Framework RIG**

- Task 5.1 Collections Asset Management Plan (CAMP) Levels of Service (LOS) and Performance Measures. Completed. Meeting held 10/21/2024. Updated CAMP LOS received 11/13/2024 recorded in meeting minutes.
- Task 5.2 Roles and Responsibilities and Task 5.3 Allocation of Resources. Team meeting held 11/8/2024 with Vice President, Human Resources, discussing collaborative opportunities for 2025.
- Task 5.4 Document and Knowledge Management project kickoff to be scheduled.
- Tasks 5.5 Program Evaluation task completed.
- Task 5.6 AM Roadmap Update. Asset Manager to schedule one-on-one meetings with Roadmap Development Team members to review roadmap assignments.
- Task 5.7 Employee Development and Training. Development of Vertical Condition Assessment training video to begin in December.





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	<ul> <li>InfoAsset Planner Year 2 Implementation Activity Report:</li> <li>Hosted software training sessions on 10/23/2024 and 11/7/2024 for engineering personnel.</li> <li>Meeting scheduled for 11/20/2024 to finalize the Distribution System 20-Year Capital Improvement Plan.</li> </ul>
	<ul> <li>Other activities:</li> <li>Fulfilled document requirements for the American Public Works Association (APWA) self-assessment Chapter 10 – Asset Management System.</li> <li>Attended monthly supervisor's meeting and a Lead Service Line Inventory initiatives meeting on 11/6/2024.</li> <li>Attended CRW Property Valuation meeting on 11/12/2024.</li> <li>The barcoding of the Advanced Wastewater Treatment Facility assets is near completion. Efforts are now focused on preparatory steps to label vertical assets for Drinking Water facilities.</li> </ul>
Development Review Summary	For details, see attached Development Stormwater Management Review Summary spreadsheet for November.

Undertake Capital Improvement Projects - Refer to attached Capital Improvement Projects Report			
Professional & Contractor Services	Recommend Board approval of the following Resolutions, Task Orders, Change Orders and Agreements:		
	Drinking Water:		
	• Resolution No. 2024–047 Authorization for Cost Sharing Agreement with PennDOT for I-83 Expansion Project B79		
	• 2024 Street Restoration Project – Change Order No. 1 (Final)		
	• Cameron Street Water System Main Improvements Project Phase 4 – Change Order No. 1		
	• Timber Product Harvest/Sale – Recommendation to Award		
	Wastewater:		
	• Amendment to Biomethane Transaction Confirmation		
	• PennDOT I-83 079 Project - Procurement of Sewer Inspection Services		
	Stormwater: None.		
Stormwater O&M Agreements	Recommend Board approval of the following: None.		
AWTF Primary Clarifiers Improvements	Bids were rejected at the October Board meeting. The project has been readvertised and bids will be opened on 12/8/2024.		
AWTF Energy Recovery Improvements	Preliminary site work continues for building foundations and equipment pads.		

Undertake Renewal and Replacement Projects				
2024 Water System Improvements	e contractor began water main installation on Swatara Street between 13th and Cresent Streets.			
Cameron Street Water Main - Phase 4	e contractor has completed street restoration. A substantial completion walkthrough will be held in the the coming weeks.			
2023 Sewer System Improvements	All work is complete. A final change order must be processed before the project can be closed out.			
(Trenchless)				
2024 Sewer System Improvements	The contractor is performing several dig up spot repairs at several locations.			



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Arsenal Boulevard Sewer Improvements	The contractor is installing sewer main along the unnamed tributary to Asylum Run and within 17th Street.		
Front Street Interceptor Rehabilitation -	Punch list work in Riverfront Park should be completed in November.		
Phase 2			
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 October.		
Wastewater Facility Maintenance	The Wastewater Maintenance group completed various repairs throughout the Advanced Wastewater Treatment Facility (AWTF), pumping stations, and at the		
	Administrative Offices throughout the month. A narrative is provided in the Wastewater Department Monthly Report for October.		
Sinkhole Program	Seven sinkholes were investigated by CRW in the month of October.		
Inlet Cleaning	The Street Sweeping crew inspected 323 storm inlets in October as part of their new duties. Field Construction repaired two inlets.		

Operate as an Efficient, Sustainable	Operate as an Efficient, Sustainable and Resilient Water Utility		
DeHart Property Stewardship	In accordance with the DeHart Property Forest Management Plan:  • 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.  • Habitat improvement projects have recently been completed in MUs 15 and 16. Competing plant control and non-commercial thinning complete; timber stand improvements continue.  • A bid prospectus was issued for harvest in MU 16 and bids were received. See related Issue Brief for a Recommendation of Award.		
Sustainability	Task Order 2024-14-01 has been executed with HDR Engineering, Inc. for the development phase of services for a solar energy project at the Water Services Center (WSC).  Preliminary conceptual layout of the design was provided and will be revised. A permitting matrix has also been provided. A forthcoming site visit and survey will refine the concept design.		
Internal Communications	Q3 Daily Flow Newsletter was distributed on 10/3/2024. The Q3 All Employee Meeting was held on 10/9/2024.		





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Inform and Listen to Customers and Encou	urage Stewardship of our Systems				
Media Relations - Press and Social Media	PRESS RELEASES: N/A.				
	SOCIAL MEDIA TOPICS:				
	Facebook/Instagram: 2 FB/ -1 IG New Followers (TOTAL: 1,706 FB and 747 IG). Five (5) Posts; Highest Engaged Post: "EOM: Jeff Ceasar" (2,792 Reach, 2,889 Impressions, 26				
	Reactions, 8 Comments, 9 Shares); Other topics: Boil Water Advisory, and Advanced Metering Infrastructure (AMI) project update.				
	Nextdoor: Stats: 8,647 Total Members; 177 New members; Zero (0) Posts.				
	*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.				
Community Relations	Community Outreach:				
	• Zero (0) community events.				
	• One (1) facility tour for CRW Community Ambassadors at the Advanced Wastewater Treatment Facility on 10/3/2024, reaching five (5) community members.				
	• Zero (0) community meetings.				
	• Delivered twelve (12) sets of door-to-door notifications to alert customers to CRW projects and lead risk mitigation efforts.				
Public Communications	WHAT'S ON TAP COMMUNICATION: October edition topics include: Protecting the sewer systems via leaf collection and \$25 credit available for meter replacement.				
Business Diversity	No update.				

Administrative				
Risk Management	Executive Summary:			
	Total Claims: 64			
	Open: 12			
	Closed: 52			
	Insurance Line Claim Count	<u>t</u> :		
	Auto:	11		
	General Liability:	28		
	Public Officials:	2		
	Property:	1		
	Workers Compensation:	20		
	Surety Claim:	1		
	CRW Recovery Non-Ins Inte	rest 1		



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Procurement	Recommend Board approval at the November Board meeting with IB to follow from Engineering:		
	- multi-sensor inspection of sewer pipe for PennDOT I-83 Expansion.		
Information Technologies (IT)			



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Office Management and	Incoming Correspondence Report: Refer to attached Incoming Correspondence Report for October 2024.					
Admin Professional Services and						
Construction	<b>Street/Sidewalk-Cut Permits:</b> Two (2) Wastewater permits were issued. Fifteen (15) Drinking Water and six (6) Wastewater permits were successfully completed, inspected, and closed by the City of Harrisburg's Engineer.					
	Fleet Management Acquisitions Received in October 2024:					
	• G-90 - 2023 F-350 Turbo Diesel 4X4 Truck from Hoffman Ford and Service Body from A&H Equipment through COSTARS. (Trade-in of G-32 valued at \$31,000). Accepted delivery on 10/10/2024.					
	• G-99 - 2024 Ford Transit High-Roof Cargo Van (CCTV) from Hoffman Ford and Envirosight Rovver X Camera System Build-out and Ancillary Items Upfit from A&H Equipment through COSTARS. Accepted delivery on 10/10/2024.					
	• G-102 - 2024 Ford F-350 Super Duty Regular Cab 4X4 Truck from Hoffman Ford and Service Body Upfit from A&H Equipment through COSTARS. (Trade-in of G-42 valued @ \$22,000). Accepted delivery on 10/10/2024.					
	• G-104 - 2023 Ford F-250 XL Super Duty Super Cab 4X4 Truck from Hoffman Ford and Service Body Upfit from A&H Equipment through COSTARS. (Trade-in of G-47 valued at \$25,000). Accepted delivery on 10/10/2024.					
	• G-105 - 2024 Ford F-350 XL Super Duty Super Cap 4X4 Truck from Fred Beans Ford of Mechanicsburg and Service Body, Snow Plow and Lift Gate Upfit from A&H Equipment through COSTARS. (Trade-in of G-48 valued at \$32,000). Accepted delivery on 11/12/2024.					
	Disposition of Vehicles and/or Equipment thru Municibid for Wastewater:  • G-06 - 2004 International Vactor. Rebid on Municibid.					
Right-to-Know Requests	CRW has received and responded to two (2) Right-to-Know requests during the period 10/17/2024 through 11/19/2024. 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.					
	OOR Training: Annual OOR Training scheduled for 11/12/2024 was postponed and will be rescheduled by the Office of Open Records (OOR).					
	Provided registration for Agency Open Records Officer (AORO) Registration with OOR on 10/29/2024. Revised and uploaded revised RTK Form on CRW website in accordance with OOR's updated RTK Policy and requirements. Posted RTK Officer contact information on bulletin boards at CRW respective facilities and updated website to reflect new RTK Form.					



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**RTK 2024-015 Beau Brown:** Requesting records related to Tax Parcel 3-002-038-0000, which is also known as 1936 Swatara Street in Harrisburg City. I submitted a similar request to Harrisburg City in 2018, but it has become apparent that much of this information may have been part of the former Harrisburg Authority.

LIEN ASSIGNMENT: (1) Lien Assignment Documentation: Please provide any contracts, agreements, or records regarding the sale or assignment of municipal liens, including the lien filed against Tax Parcel No. 13-002-038-0000, from the City of Harrisburg or Harrisburg Authority to Pun Collections V, LLC. This sale would likely have taken place at some point between 2004-2006. (2) Records of Communication: Provide any emails, memorandum, or other communications related to the assignment of municipal liens to Pun Collections V, LLC. (3) Policies on Lien Management and Revival: Provide any documentation outlining the policies and procedures for maintaining, reviving, or enforcing municipal liens that were previously held by the Harrisburg Authority or sold to third parties. (4) Financial Records: Provide records showing payments made to the City of Harrisburg or Harrisburg Authority by Pun Collections V, LLC in connection with the lien assignment or sale. (5) Ownership or Control over the Lien: Provide any records indicating whether Capital Region Water retains any ownership interest, control, or oversight of municipal liens sold to Pun Collections V, LLC.

BILLING QUESTIONS: (1) Billing Records for Tax Parcel No. 13002028-2: (13-002-038-0000): Provide all billing records for water, sewer, and refuse services associated with Tax Parcel No. 13002028-2 for the period between 1985 and 2005. Include records of any invoices, payments, or notices sent to the parcel owner or occupant during this period. (2) Account Status for Tax Parcel No. 13002038-2: Provide documentation regarding whether the parcel was classified as "inactive," "vacant," or otherwise excluded from billing for water, sewer, or refuse services during the period in question. Include any internal notes or communications explaining why the account may not have been billed during specific years. (3) Verification of Water/Sewer Shutoff: Provide records indicating the date(s) when water and/or sewer service was disconnected for Tax Parcel No. 13002028-2, including work orders or field service logs documenting the disconnection. (4) Policies on Billing for Disconnected Properties: Provide any policies or procedures outlining whether charges for water, sewer, or refuse services are assessed against properties with disconnected or inactive utility services. (5) Records Supporting the Lien Amount: Provide documentation or calculations used to determine the lien amount for Tax Parcel No. 13002028-2 (12-002-038-0000). Specifically include: (a) A breakdown or charges for water, sewer, or refuse that resulted in a lien recorded under Docket 2000-MU-01384. and (b) Any assessments or penalties included in the lien total. (6) Communication Between City and Harrisburg Authority Regarding Billing: Provide any emails, letters, or internal memoranda between the City of Harrisburg and the Harrisburg Authority (now CRW) regarding billing practices or the lien filed against Tax Parcel No. 13002028-2. (7) Policy on Back-Billing or Retroactive Charges: Provide any policies or regulations regarding the assessment of back-billed or retroactive charges for water, sewer, or refuse services, particularly in cases where no prior bill

RTK 2024-016 Stephanie Vargas (SmartProcure): Requesting any and all purchasing records from 8/17/2024 to current. 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: 11/25/2024. Response provided on 11/22/2024.



# DRINKING WATER DEPARTMENT MONTHLY REPORT



Carsonville Weir

## October 2024

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



## **Drinking Water Department Monthly Report**

October 2024

## **Plant Operations**

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

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 October.

Specific water quality results are summarized in Exhibit A. As shown in Exhibit B, a total of 209.821 million gallons, averaging 6.768 million gallons per day, was withdrawn from the DeHart water supply source for treatment. A total of 203.940 MG, averaging 6.579 MGD, of finished drinking water was pumped to the distribution system.

The DeHart Watershed had below average rainfall in October (Exhibit C) and the DeHart Reservoir water level decreased (Exhibit D). An estimated 216.06 MG of water was released from the DeHart Reservoir to Clark Creek, averaging 6.97 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 maintenance work orders and seven corrective maintenance orders for all water treatment plant equipment, pumping stations, and fleet vehicles during the month of October.

- The DeHart Dam watershed was patrolled daily.
- The installation of the Basin Safety Railings was completed.
- The Maintenance Team started the CL2 Room upgrades by adding a new valve header panel and relocating the existing CL2 gas containers and weigh system.
- Installation of conduit and wiring for the Control Room Chemical Towers removal is underway.
- The Sodium Permanganate Chemical Feed Pump system at the Front Street Pumping Station was completed.
- Applied Sherwin Williams Macropoxy® 5500LT over the existing deteriorated coating on the basin decking.
- Installed new bearings on 805 Soda Ash Feeder.
- Continued with the disassembly of approximately 300-350 used water service meters for brass and battery recycling and disposal.



## **Drinking Water Department Monthly Report**

October 2024

 Continued landscaping duties 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 October:

- Repaired three leaking services totaling 17,280 gallons of unaccountable water 2510 Reel Street, 325 Woodbine Street, and 1029 Market Street
- Repaired one water main break totaling 151,805 gallons of unaccountable water 2 Penrose Street.
- Completed 197 work orders.
- Completed 459 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 as well as all
  quarterly and annual sampling requirements. There were no exceedances for any of these
  analytes.
- Received no taste and odor complaints.



# **Drinking Water Exhibits**



### EXHIBIT A Water Quality Anaylsis - 2024

PARAMETERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	Average	MCL Limits
T . 10 1% D														
Total Coliform: Presence/Absence														
Distribution System	А	Α	Α	Α	Α	Α	Α	Α	Α	Α			Α	5% P
Chlorine Residual, mg/L Free	4.04	4.00	4.07	2.00	4.07	4.00	4.00	4.05	4.04	1.00			4.07	22.12
Filter Plant Effluent	1.94	1.98	1.97	2.00	1.97	1.99	1.98	1.95	1.94	1.96			1.97	0.2 - 4.0
Distribution System	1.36	1.38	1.34	1.36	1.27	1.23	1.20	1.19	1.02	1.13			1.25	>0.20
Turbidity, NTU														
Influent from DeHart	1.01	0.93	0.81	0.92	1.04	1.12	1.18	1.19	0.78	1.16			1.01	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			NA	NA
Filter Plant Effluent	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03			0.03	0.15
pH, Std Units														
Influent from DeHart	6.2	6.2	6.5	6.5	6.1	5.9	5.7	5.6	5.8	6.0			6.06	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			NA	NA
Filter Plant Effluent	7.6	7.6	7.4	7.5	7.5	7.5	7.4	7.5	7.5	7.6			7.52	7.2 - 7.8
Distribution System	7.4	8.0	7.4	7.5	7.9	7.8	7.5	7.4	7.4	7.5			7.56	7.0 - 8.0
Total Alkalinity, mg/L as CaCO3														
Influent DeHart	5	5	5	5	5	5	5	5	5	5			5.00	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			NA	NA
Filter Plant Effluent	18	18	16	16	18	21	22	25	30	26			21.00	NA
Distribution System	17	21	19	17	16	22	24	26	32	27			21.99	>15
Temperature, degrees C														
Influent from DeHart	7.7	7.2	8.8	10.7	13.1	15.1	16.4	17.9	18.8	17.2			13.29	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			NA	NA
Filter Plant Effluent	7.9	7.4	8.7	10.4	12.7	14.0	14.9	16.7	18.2	17.1			12.79	NA
Distribution System	13.9	15.4	12.2	16.2	19.1	23.5	23.5	22.4	22.0	20.5			18.87	NA
Fluoride, mg/L														
Filter Plant Effluent	0.82	0.72	0.73	0.70	0.70	0.69	0.62	0.65	0.72	0.72			0.71	2
Aluminum, mg/L														
Filter Plant Effluent	0.02	0.11	0.02	0.01	0.01	0.02	0.02	0.01	0.01	0.01			0.02	0.2*
Iron, mg/L														
Influent from DeHart	0.09	0.07	0.07	0.08	0.14	0.18	0.20	0.35	0.39	0.47			0.20	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			NA	NA
Filter Plant Effluent	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			0.01	0.3*
Distribution System	0.00	0.05	0.03	0.01	0.01	0.01	0.01	0.01	0.00	0.00			0.01	0.3*
Total Dissolved Solids, mg/L														
Influent from DeHart	16	16	16	15	16	16	16	16	17	16			16.02	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			NA	NA
Filter Plant Effluent	42	43	39	41	43	48	51	53	58	52			47.08	500*
Distribution System	48	45	50	44	47	53	58	65	69	69			54.73	500*
Total Hardness, mg/L														
Influent from DeHart	8	8	8	8	8	8	8	8	8	8			8.00	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			N/A	NA
Filter Plant Effluent	8	8	8	8	8	8	8	9	10	17			9.24	NA
Distribution System	5	7	5	3	2	3	1	2	5	11			4.41	NA
Orthophosphate, mg/L														
Filter Plant Effluent	1.24	1.22	1.24	1.27	1.30	1.32	1.32	1.24	1.20	1.22			1.26	0.7 - 1.3*
Distribution System	1.24	1.25	1.23	1.28	1.30	1.35	1.26	1.22	1.20	1.11			1.24	>1.0
**Total Trihalomethanes, ug/L														
Distribution System	38.5	NA	NA	39.6	NA	NA	55.4	NA	NA	46.3			45.0	80.0
**Total Haloacetic Acids, ug/L									·					
Distribution System	33.4	NA	NA	45.8	NA	NA	53.6	NA	NA	32.4			41.3	60.0
Total Organic Carbon, mg/L							1	<u> </u>		· ·				
Influent from DeHart	2.30	NA	NA	2.40	NA	NA	2.10	NA	NA	2.00			2.20	NA
Influent from Susquehanna	NA NA	NA	NA	NA NA	NA	NA	NA NA	NA NA	NA	NA.		1	NA NA	NA
Filter Plant Effluent	1.30	NA	NA	1.10	NA	NA	1.10	NA NA	NA	1.20			1.18	NA NA
Average Filter Run, Hours	114	112	111	114	113	112	126	143	144	144			123.27	NA NA
	1		1 111	1.0					1 1 1	1	1	1		

<sup>\*</sup> Values are related to DEP Secondary MCL

lter Run, Hours 114 112 111 | \*\*\* Not Available at Time of Report

<sup>\*\*</sup> Running Annual Quarterly Average



**EXHIBIT B** 

### Water Production Data - 2024

	DeHart W	ithdrawal	River Wit	:hdrawal	Total Wit	hdrawal	Plant Ir	nfluent	Process	Water	Finished	l Water
Month	Total (MG)	Average (MGD)										
January	236.324	7.623	0.000	0.000	236.324	7.623	235.878	7.609	5.464	0.176	222.400	7.174
February	220.950	7.619	0.000	0.000	220.950	7.619	220.320	7.597	3.690	0.127	208.444	7.188
March	231.221	7.459	0.000	0.000	231.221	7.459	220.320	7.597	4.969	0.160	217.840	7.027
April	222.024	7.401	0.000	0.000	222.024	7.401	213.008	7.100	5.729	0.191	207.279	6.976
May	235.352	7.592	0.000	0.000	235.352	7.592	226.720	7.326	3.380	0.109	223.340	7.200
June	240.947	8.032	0.000	0.000	240.947	8.032	232.880	7.760	2.770	0.092	230.110	7.670
July	256.460	8.273	0.000	0.000	256.460	8.273	249.850	8.060	2.330	0.075	247.520	7.980
August	242.364	7.818	0.000	0.000	242.364	7.818	236.700	7.635	1.590	0.051	235.110	7.580
September	222.025	7.401	0.000	0.000	222.025	7.401	215.420	7.181	0.980	0.033	214.440	7.150
October	209.821	6.768	0.000	0.000	209.821	6.768	205.020	6.614	1.080	0.035	203.940	6.579
November												
December												
Total	2317.488		0.000		2317.488		2256.116		31.982		2210.423	
Average	231.749	7.599	0.000	0.000	231.749	7.599	225.612	7.448	3.198	0.105	221.042	7.252

Peak Day Water Use Minimum Day Water Use (MG) = Million Gallons (MGD) = Million Gallons per Day



### **EXHIBIT C**

### Rainfall at the DeHart Reservoir - 2024

(inches)

Date	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
2024 Total	11.69	2.14	3.92	4.55	7.14	2.15	0.68	6.67	2.81	0.74			42.49
Daily Average	0.377	0.074	0.126	0.152	0.320	0.071	0.022	0.370	0.180	0.060			1.752
Ten Year Average	2.992	2.488	3.125	3.713	4.54	4.38	5.842	3.843	4.82	3.489	2.447	3.149	44.828
2023 Total	2.70	1.09	2.93	3.71	2.63	3.85	7.85	2.66	5.00	2.07	2.50	4.71	41.70

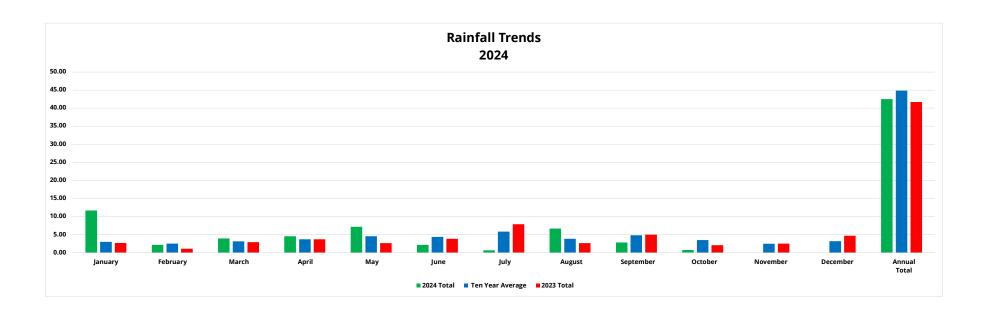


EXHIBIT D

Water Level at the DeHart Reservoir - 2024
(Inches from Spillway)

Date	January	February	March	April	May	June	July	August	September	October	November	December
2024 AVG	1.5	3.1	2.8	2.3	1.2	-9.4	-27.0	-36.0	-54.8	-76.5		
Ten Year AVG	-39.2	-25.5	-29.6	-8.1	-2.2	-3.9	-9.1	-20.2	-28.4	-41.0	-47.0	-44.3
2023 AVG	-162.9	-58.6	-98.7	1.1	1.8	-10.0	-20.1	-32.3	-49.3	-55.9	-67.1	-48.2

### DeHart Reservoir Water Level Trends 2024

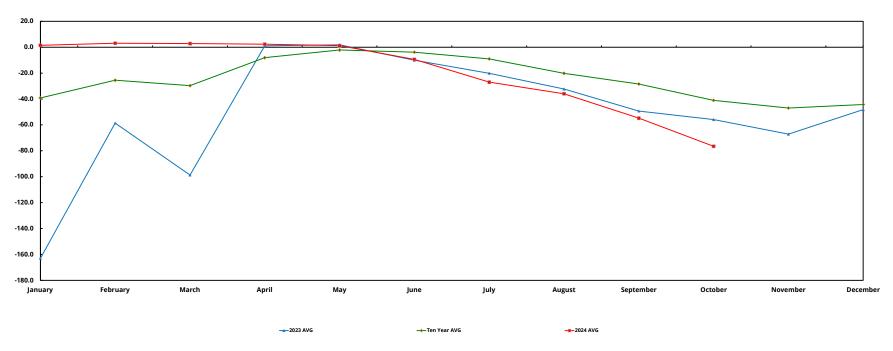
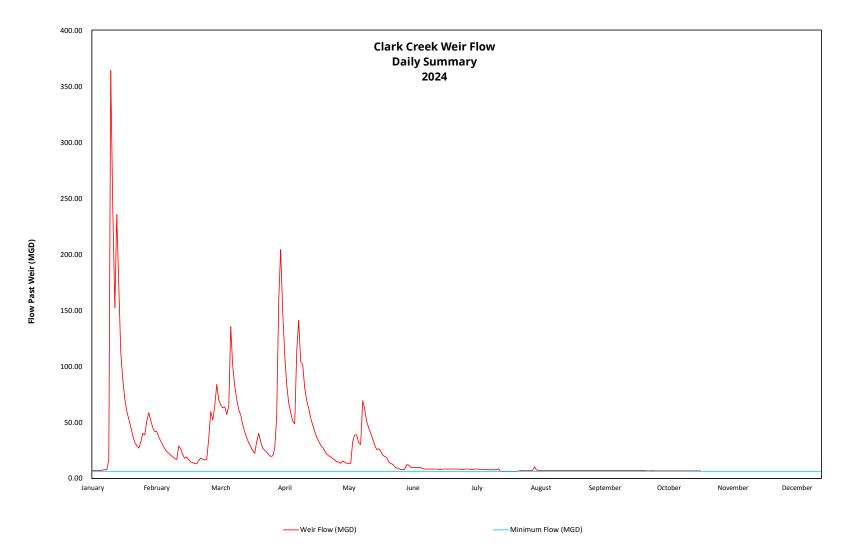




EXHIBIT E

Daily Conservation Release - 2024





### EXHIBIT F

#### Utility Usage - 2024

Location / Utility	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Water Services Center														
Electric Transmission														
Total, kwH	201.600	138.600	162.000	133,200	131,400	149.400	147.600	149.400					151,650	1.213.200
Cost, Dollars	\$12,309.05	\$8,548.76	\$9,143.80	\$8,515.14	\$8,380.63	\$9,589.01	\$9,325.26	\$9,019.71					\$9,353.92	\$74,831.36
Electric Generation		,.		,.	,	,	,.	,.					,	
Total, kwH	201.600	138.600	162.000	133.200	131.400	149.400	147.600	149,400					151.650	1,213,200
Cost, Dollars	\$1,103.71	\$1,100.96	\$1,091.10	\$888.64	\$1,089.43	\$1,192.43	\$1,191.83	\$1,211.54					\$1,108.71	\$8,869.64
Natural Gas		.,			. ,	.,	.,	.,					.,	,
Total, Cu Ft	6,335	10,586	10,425	5,064	6,331	6,073	2,101	252	321				5,276	47,488
Cost, Dollars	\$9.791.01	\$9,595.00	\$9.102.83	\$4,757.03	\$5,335,34	\$5.025.62	\$1.888.99	\$355.64	\$405.40				\$5,139,65	\$46,256.86
Sewer		,					. ,							
Total, Gal	6.830.000	6.290.000	7.290.000	6,920,000	7.310.000	9,420,000	6,750,000	6,140,000	5,690,000				6,960,000	62,640,000
Cost, Dollars	\$68.163.40	\$62,275.20	\$72,754.20	\$69.061.60	\$72,953.80	\$94,011.60	\$67,365.00	\$61,277.20	\$56,786.20				\$69,405.36	\$624,648.20
Refuse		,	. ,	,		,.	,	,	,				,	
Cost, Dollars	\$509.60	\$509.60	\$509.60	\$509.60	\$509.60	\$509.60	\$509.60	\$1,018.70	\$509.60	\$509.60			\$560.51	\$5,605.10
Reservoir Park Pump Station	4444		100000	100000	100000		400000	41/411111	100000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10,000.10
Electric Transmission														
Total, kwH	91,200	87,200	84,800	74,800	78,000	76,400	92,000	86,400	92,000				84,756	762,800
Cost. Dollars	\$3,909.19	\$3,655.05	\$3,466,91	\$3.085.64	\$2,904,94	\$2.840.96	\$2,989,80	\$3.016.50	\$3,466,73				\$3,259,52	\$29,335,72
Electric Generation		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		. ,	. ,	,	,				,	,
Total, kwH	91,200	87,200	84,800	74,800	78,000	76,400	92,000	86,400	92,000				84,756	762,800
Cost, Dollars	\$1,489.62	\$1,477.60	\$1,365.43	\$1,416.68	\$1,354,23	\$1,285,47	\$2,682.87	\$1,355,73	\$1,343,42				\$1,530,12	\$13,771.05
Natural Gas	\$1,403.02	\$1,477.00	\$1,505.45	\$1,410.00	\$1,554.25	\$1,203.47	92,002.07	41,000.70	¥1,545.4E				\$1,550.1E	\$15,771.05
Total, Cu Ft	700	777	794	169	0	0	0	0	0				271	2,440
Cost. Dollars	\$637.43	\$746.12	\$710.45	\$196.34	\$28.72	\$28.72	\$28.72	\$28.72	\$57.44				\$273.63	\$2,462,66
Susquehanna River Pump Station	\$037.43	\$740.12	\$710.45	\$150.54	\$20.72	\$20.72	\$20.72	\$20.72	337.44				\$273.03	\$2,402.00
Electric Transmission														
Total, kwH	1.200	1,200	1,200	600	600	1,200	1,200	1,200	1,200				1.067	9.600
Cost, Dollars	\$63.60	\$57.10	\$75.36	\$69.40	\$47.43	\$74.50	\$48.95	\$52.76	\$72.86				\$62.44	\$561.96
Electric Generation	\$03.00	937.10	\$75.30	905.40	\$47,45	\$74.50	\$40.55	\$32.70	\$72.00				702.44	\$301.90
Total, kwH	1.200	1,200	1.200	600	1.200	1,200	1,200	1,200	1.200				1.133	10.200
Cost, Dollars	\$73.18	\$73.27	\$81.07	\$102.27	\$73.04	\$76.31	\$80.06	\$76.21	\$72.30				\$78.63	\$707.71
Natural Gas	\$73.10	97.J.L7	\$01.07	\$10LL7	\$75.04	\$70.51	\$00.00	970.21	\$72.50				470.03	4707.71
Total, Cu Ft	644	496	583	136	14	0	0	0	2				208	1,875
Cost. Dollars	\$586.53	\$479.51	\$529.54	\$154.13	\$40.14	\$28.72	\$28.72	\$28.72	\$30.35				\$211.82	\$1,906.36
Union Square Booster Station	\$380.33	\$479.51	\$329.34	\$134.13	\$40.14	\$20.72	\$20.72	\$20.72	\$30.33				\$211.02	\$1,900.30
Electric Transmission														
Total, kwH	2,694	2,551	2,257	707	377	583	546	452					1,271	10,167
Cost, Dollars	\$147.60	\$158.85	\$119.83	\$59.00	\$49.34	\$50.86	\$46.33	\$52.62					\$85.55	\$684.43
Electric Generation	\$147.60	\$130.03	\$119.05	\$59.00	\$49.54	\$30.00	\$40.55	\$32.0Z					\$65.55	\$004.43
	2,694	2,551	2,257	707	377	583	546	452	200				4.400	40.407
Total, kwH Cost, Dollars	\$97.29	\$104.82	\$99.96	\$87.21	\$82.13	\$86.26	\$74.50	\$70.39	320 \$77.72				1,165 \$86.70	10,487 \$780.28
DeHart Facilities	\$97.29	\$104.62	\$99.90	\$67.21	\$02.13	\$00.20	\$74.50	\$70.59	\$11.12				\$66.70	\$700.20
Electric Transmission Total, kwH	3.007	2.144	2,367	1,726	1.180	1,180	2,335	2,720	2,166		1		2.092	18,825
											1			
Cost, Dollars	\$160.80	\$123.89	\$133.47	\$119.40	\$111.11	\$91.49	\$165.25	\$170.31	\$137.08		1		\$134.76	\$1,212.80
Electric Generation			l								1			
Total, kwH	3,007	2,144	2,367	1,726	1,180	2,335	2,724	2,166	1,867		1		2,168	19,516
Cost, Dollars	\$95.90	\$92.59	\$66.46	\$91.65	\$80.81	\$112.73	\$100.91	\$95.22	\$85.88				\$91.35	\$822.15
Fuel Oil							_							
Total, Gals.	0	1,727	0	0	245	0	0	0	0		1		219	1,972
Cost, Dollars	\$0.00	\$6,767.33	\$0.00	\$0.00	\$719.86	\$0.00	\$0.00	\$0.00	\$0.00				\$831.91	\$7,487.19
City Island Heat Trace														
Electric Transmission														
Total, kwH	136	149	0	0	0	0	0	0	0				32	285
Cost, Dollars	\$3.88	\$7.90	\$0.00	\$0.00	\$1.20	\$1.99	(\$2.75)	(\$3.01)	\$0.77				\$1.11	\$9.98
Electric Generation														
Total, kwH	136	149	0	0	0	0	0	0	0				32	285
Cost, Dollars	\$61.97	\$62.01	\$61.94	\$61.69	\$61.69	\$61.62	\$61.49	\$61.49	\$61.46				\$61.71	\$555.36
Expenditures YTD													\$92,277	\$820,509

\*\* Not available at time report was developed

Total Transmission	\$106,636
Total Generation	\$25,506
Total Refuse	\$5,605
Total Gas	\$50,626
Total Sewer	\$624,648
Total Fuel Oil	\$7,487
Total Utilities	\$814.904

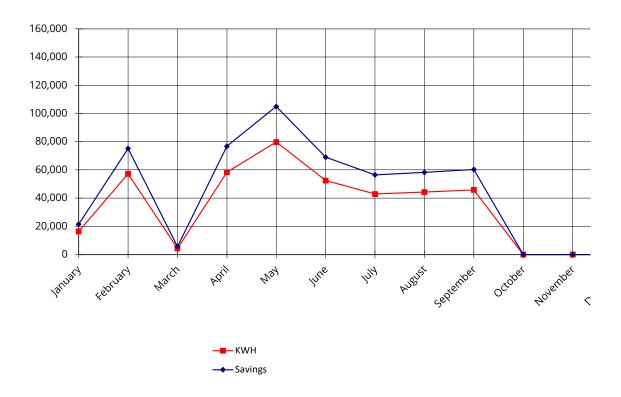


Exhibit G

Hydro-Turbine Generator Performance - 2024

Month	Kilowatt-hour (KWH)	Anticipated Savings *
January	16,300	\$2,412
February	57,170	\$8,461
March	4,270	\$632
April	58,360	\$8,637
May	79,750	\$11,803
June	52,430	\$7,760
July	42,920	\$6,352
August	44,290	\$6,555
September	45,810	\$6,780
October	0	\$0
November		
December		
Average	40,130	\$5,939
Year to Date	401,300	\$59,392

<sup>\*</sup> Estimated savings based on electrical rate of \$0.148 per KWH





#### EXHIBIT H

### Treatment Chemical Usage - 2024

Chemical	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
hlorine														
Total Lbs.	6,169	5,780	5,912	5,660	6,597	6,366	7,572	6,845	6,284	5,784			6,297	62,9
Average, Chlorine Lbs./Day	199	199	191	189	213	212	244	220	209	187			206.3	
Average, Chlorine Dose, mg/L	3.1	3.2	3.1	3.0	3.3	3.1	3.5	3.5	3.4	3.3			3.3	
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	\$10,111	\$9,473	\$9,690	\$9,277	\$10,812	\$10,434	\$12,411	\$11,219	\$10,299	\$9,480	\$0	\$0	\$8,600.52	\$103,206
um 48.5%														
Total Lbs.	34,165	33,986	35,289	32,279	30,282	31,041	32,869	31,190	16,929	24,074			30,210	302,
Average, Alum, Lbs./Day	1,102	1,172	1,138	1,076	977	1,034	1,060	1,006	546	777			988.8	
Average, Alum, mg/L	17.3	18.4	18.3	18.2	16.0	16.0	15.8	15.8	14.4	14.1			16.4	
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	\$4,134	\$4,112	\$4,270	\$3,906	\$3,664	\$3,756	\$3,977	\$3,774	\$2,048	\$2,913	\$0	\$0	\$3,046.22	\$36,554
me														
Total Lbs.	0	0	0	0	0	0	0	0	642	1,855			250	2,
Average Lime, Lbs./Day	0	0	0	0	0	0	0	0	71	60			13.1	
Average, Lime Dose, mg/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	7.3			1.5	
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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$481.50	\$1,391.25	\$0.00	\$0.00	\$156.06	\$1,872
oda Ash														
Total Lbs.	23,600	25,300	20,550	18,760	21,950	31,200	20,500	29,950	42,100	59,899			29,381	293,
Average Soda Ash, Lbs./Day	761	872	663	625	708	1,040	661	966	1,403	1,932			963.1	
Average, Soda Ash Dose, mg/L	12.0	13.7	10.7	10.6	11.6	16.1	9.8	15.2	23.4	34.2			15.7	
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	\$9,204	\$9,867	\$8,015	\$7,316	\$8,561	\$12,168	\$7,995	\$11,681	\$16,419	\$23,361	\$0	\$0	\$9,548.79	\$114,585
uoride														
Total Lbs.	1,134	1,104	1,128	1,185	1,180	1,216	1,513	1,569	1,473	1,407			1,291	12,
Average, Fluoride Lbs./Day	37	38	36	40	38	40	48	51	49	45			42.2	
Average, Fluoride (F-) Dose, mg/L	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.8			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	\$335	\$326	\$333	\$350	\$348	\$359	\$446	\$463	\$435	\$415	\$0	\$0	\$317.35	\$3,808
odium Hydroxide 50%														
Total NaOH 50% dry Lbs.	36,522	32,550	34,948	34,506	41,594	43,101	52,631	60,632	7,429	3,835			34,775	347,
Average NaOH 50%, dry Lbs./Day	1,178	1,122	1,127	1,150	1,342	1,436	1,697	1,955	248	127			1,138	
Average, NaOH 50%, mg/L	18.6	17.7	18.4	18.4	19.9	21.1	24.1	30.0	25.4	5.9			19.9	
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	\$10,891	\$9,706	\$10,421	\$10,290	\$12,403	\$12,853	\$15,695	\$18,080	\$2,215	\$1,144	\$0	\$0	\$8,641.54	\$103,698
inc Orthophosphate														
Total Zn3(PO4)2, wet Lbs.	4,660	4,368	4,460	4,339	4,680	4,821	5,182	4,922	4,489	4,252			4,617	46
Average Zn3(PO4)2, wet Lbs./Day	150	151	144	145	151	160	167	159	150	137			151.4	
Average, Zn3(PO4)2 Dose, mg/L	2.5	2.5	2.5	2.5	2.2	2.5	2.5	2.5	2.5	2.5			2.5	
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	\$8,032	\$7,529	\$7,687	\$7,479	\$8,067	\$8,310	\$8,932	\$8,484	\$7,737	\$7,329	\$0	\$0	\$6,632.12	\$79,585
odium Permanganate														
Total NaMnO4, Lbs.	0	0	0	0	0	0	0	0	0	0			0	
Average NaMnO4, Lbs./Day	0	0	0	0	0	0	0	0	0	0			0.0	
Average, NaMnO4 Dose, mg/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	
NaMnO4 Cost, \$/Lbs.													#DIV/0!	
NaMnO4 Total Cost, Dollars	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$(
_														
xpenditure	\$42,706.49	\$41,013.65	\$40,415.90	\$38,617.02	\$43,188.14	\$47,880.68	\$49,457.32	\$53,702.29	\$40,834.90	\$46,033.90			\$44,385.03	\$443,311
verage Treated Cost per (MG)	\$180.91	\$188.10	\$178.61	\$174.18	\$183.74	\$197.51	\$191.03	\$225.44	\$184.19	\$219.41				
otal Treated Flow (MGD)	235.878	220.320	225.086	207.279	223.340	230.110	247.520	235.110	214.440	203.940				2,243.
verage Treated Flow (MGD)	7.609	7.597	7.597	6.909	7.205	7.670	7.985	7.580	7.148	6.579				



**EXHIBIT I** 

### **DISTRIBUTION DEPARTMENT ACTIVITIES - 2024**

Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	Average
PA One Call Locates	506	518	485	510	493	521	515	505	497	459			5,009	501
Leak Detection Assessment (Percent of Distribution System)	8	8	8	8	0	0	0	0	8	8			48	5
Main Break Repair - Detected Non-Surfacing	0	0	0	0	0	0	0	1	0	0			1	0
Main Breaks Repaired - Emergency	3	4	5	0	2	0	6	0	1	1			22	2
Service Line Leaks Detected	0	0	0	0	0	0	0	0	0	0			0	0
Service Line Leaks Repaired	8	0	0	6	11	11	5	1	3	5			50	5
Valves - Exercised	0	1	14	0	0	0	1	127	129	0			272	27
Valves - Replaced	0	0	1	0	0	0	0	0	0	0			1	0
Hydrant Flow Tests	2	1	8	9	0	1	0	2	1	5			29	3
Hydrants Returned to Service	0	1	0	0	1	0	0	0	0	0			2	0
Water Tap - Disconnected	2	4	5	0	0	3	0	2	3	2			21	2
Water Tap - New Connection	0	0	3	1	0	1	0	0	0	0			5	1
Water Shutoffs - Other	13	12	10	32	46	20	53	36	31	59			312	31
Water Shutoffs - Non Payment	0	1	0	27	37	5	44	18	9	43			184	18
Water Restoration Turn on Other	20	13	19	19	48	30	34	32	23	37			275	28



## **EXHIBIT J**

## **Metering Activities - 2024**

<b>Board Monthly Report</b>	Distribution Monthly Report														
Activity	Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	Average
Meter Installations															
	Missing	6	1	2	0	0	0	0	0	0	0			9	1
	Leaking	3	0	1	0	0	0	0	0	0	0			4	0
Replacement	Frozen	2	5	0	0	0	0	0	0	0	0			7	1
	Non-registering	1	6	1	0	1	0	0	0	0	0			9	1
	Large Meters <sup>1</sup>	0	1	0	0	0	0	0	0	0	0			1	0
New Service	New Installation	0	0	1	1	0	1	0	0	0	0			3	0
Meter Service															
MXU's Replaced	MXU's Replaced	24	9	6	0	0	0	0	0	0	0			39	4
Batteries Replaced	Batteries Replaced	47	52	39	1	0	1	0	0	2	0			142	14
Meter Pits Serviced	Meter Pits Serviced	0	1	0	0	0	0	0	0	0	0			1	0
Meter Calibrations															
Small Meters <sup>2</sup>	Calibrated meters	0	0	0	0	0	0	0	0	0	0			0	0

<sup>1</sup> 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

<sup>2</sup> 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) - 2024

Category of Water Use	Description	Jan	Feb	Mar	APR	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	Average
Plant Use	Plant Use	22,330,000	21,930,000	31,240,000	27,270,000	28,480,000	35,305,861	35,330,000	34,710,000	39,260,000	35,510,000			311,365,861	31,136,586
Billed Metered Exported	Bulk Water Hauling	32,933	34,185	33,600	989,873	1,298,153	1,419,482	382,275	627,448	445,766	481,991			5,745,706	574,571
Billed Metered	Hydrant Connections	0	387	0	0	531	119,350	222	249,822	742,564	104,428			1,217,304	121,730
Billed Unmetered	Hydrant Flow Tests	4,000	1,800	10,849	13,060	0	0	0	2,410	2,000	15,795			49,914	4,991
Unbilled Unmetered	Hydrant Flushing (and Unbilled Authorized)	18,700	409,058	13,595	1,768,893	1,379,546	1,544,124	1,198,080	954,600	41,128	29,456			7,357,180	735,718
Leakage on Distribution Mains	Main Leaks	1,214,228	5,570,376	6,134,589	0	1,206,243	0	2,015,546	133,258	175,000	151,805			16,601,045	1,660,105
Leakage on Service Lines	Service Leaks	148,693	131,760	625,380	1,744,982	172,800	17,280	63,360	77,760	115,200	17,280			3,114,495	311,450
	Total	23,748,554	28,077,566	38,058,013	31,786,808	32,537,273	38,406,097	38,989,483	36,755,298	40,781,658	36,310,755			345,451,505	34,545,151

2024-10-00 WSC Monthly Report Exhibit K Distribution Division Activities



# **Wastewater**



# WASTEWATER DEPARTMENT MONTHLY REPORT



Finished 62-foot Concrete Foundation for the New Gas Purification Equipment

## October 2024

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



October 2024

## **Overview**

The Wastewater department was again heavily focused on budget preparation in the month of October. Forecasts for the remainder of 2024 for each budget account was provided to Finance. Fiscal Year 2025 requests were also submitted for each expense account along with refinement of the existing 10-year Capital Improvement Plan and the request of additional capital items that became apparent over the past year. Budget workshops were held with Finance and Engineering. Further refinement will follow throughout October before a final presentation to the Board.

Work for the AWTF Energy Recovery Improvements Project continued moving forward through October. Concrete foundations were poured for the Pre and Post Gas Purification Pads, as well as the slab for the new emergency backup generator and the High Strength Waste Receiving Station. Work in November will include installation of a long drain line for filtrate from the Gravity Belt Thickeners, and likely the pouring of the concrete foundation for the Solids Treatment Building.

Plant Operations and Maintenance personnel completed the first preventative maintenance activity of the Aerobic, Post-Anoxic, and Swing Zone reactors of the AWTF's BNR treatment process. This tankage, totaling 3.5 million gallons of volume, had not been taken out of service since originally being commissioned in 2016. The structures were found to be in good condition, besides a mixing blade that had to be reassembled. This activity lasted a full four weeks and required a great degree of staging and coordination between the two groups.

## **Operations**

During the month of October, the AWTF met all monthly average NPDES requirements. One Sanitary Sewer Overflow and three Dry Weather Overflows were reported.

Hydraulic loading to the AWTF averaged 14.8 million gallons per day (MGD) during the month. The treatment process achieved removal reductions of 98.2 percent CBOD, 97.4 percent Suspended Solids, 75.8 percent Phosphorus, and 73.9 percent Ammonia (Exhibit A).

The Contract Waste Hauling program collected \$32,585.96 in revenue from 841,320 gallons discharged (Exhibit G). As dry weather persists, we received almost no leachate whatsoever in October. For the first time this year we received less than one million gallons of hauled-in waste, though it was still enough to push us over the \$1M in revenue for the year, marking the second consecutive year to break that mark.



October 2024

The Cogeneration Facility experienced a run time of 0.0 percent in October. The unit was offline all month due mechanical issues and long lead times on parts. These issues are being addressed in the month of November.

## Laboratory

- One lab technician completed all his Demonstration of Capability (DOC) testing to maintain his accredited status for our laboratory analysis.
- Started completing the second round of compliance sampling at our industrial users' sites to
  ensure their sample data matches ours. This allows us to demonstrate they are sampling
  properly and not tampering with or compromising the SOPs in place.
- Completed Form 43 testing for our biosolids and grit as part of the permit renewal process for their disposal through Waste Management.

## **Pretreatment**

- Receiving third quarter self-monitoring reports from our industrial users and reviewing them to check for any noncompliance issues.
- Sent a Notice of Violation (NOV) to Harrisburg Dairies for a Technical Review Criteria (TRC) violation for oil/grease limit exceedances. This will be the second quarter in a row. In addition to an administrative fine, they will be required to submit a report on any modifications they have made to their pretreatment system.
- Submitted a document to EPA that summarizes all our industrial user survey activities in accordance with follow up from the Pretreatment Program inspection in February of 2023.

## **Plant Maintenance**

- Replaced the divert pump motor in the Chemical Storage Building.
- Performed service load test on the generator at Spring Creek Pump Station.
- Repaired the shaft for the check valve on Return Sludge Pump No. 2.
- Replaced several broken chain link attachments on the bar-screen at Spring Creek 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 stand-by generator at Market Street Pump Station.
- Removed pump blockages on both Thickener Scum Pumps.
- Currently performing the annual preventative maintenance on all the facility's mechanical equipment that requires lubrication changes.



October 2024

- Drained filtrate tank to inspect mixers for proper operation and found clumps of rags gathered around impellers.
- Inspected and repaired Stormwater Pump No. 2 at the Market Street Pump Station. Reported failure to operations.
- Performed maintenance tasks per requests at 3003 N. Front Street Office Building.
- Received on several new vehicles which required branding of units to prepare for department distribution.

## **Field Construction**

- Replaced 14 feet of storm pipe at the intersection of Cameron and Hanover Streets, the pipe was causing a sinkhole.
- Repaired two inlets in various locations throughout the City of Harrisburg
- Widened and installed millings at Cameron and Forest Streets CSO site access road. Field
  Operations requested this for ease of access for heavy equipment and service trucks.
- Moved equipment to staging area for winter project on Burma Street. This work is set to begin in November.

## **Field Operations**

- On October 14<sup>th</sup>, CRW Field Operations responded to a basement backup call in the 1500 block of South 12<sup>th</sup> Street. The initial investigation showed surcharged conditions in the upstream manhole, indicating a blockage in the sewer main. After CCTV assessment, it was determined that roots protruding from a residential lateral was causing the blockage. The roots were removed by flushing the pipe and full hydraulic capacity was restored. The pipe has now been placed on the preventative flushing list to ensure root buildup does not cause future blockages.
- Three Dry Weather Overflows occurred at various CSO sites in the month of October. All resulted from large accumulations of rags and household grease, which can become common during periods of droughts like we are currently experiencing. The lack of occasional storms prevents flushing and dilution of the debris that would otherwise occur.
- Statistical data for work completed by this division was not yet available at the time of reporting.

## **Street Sweeping**

- Received eight complaints/inquiries this month and all were resolved.
- Completed 354.6 miles (estimate) of scheduled street sweeping within the City of Harrisburg. CRW operated with one sweeper from October 7<sup>th</sup> through 18<sup>th</sup> due to sweepers down for repairs.
- Water usage was 9,600 gallons this month.



October 2024

- Inspected 323 storm inlets.
- Attended Green Stormwater Infrastructure meetings and training, when scheduled.
- There were three non-scheduled sweeping days in October. The crew performed Preventative Maintenance on equipment, cleaned equipment, cleaned inlets and garage, and inspected inlets.
- Followed up on illicit discharge at the intersection of 315 South River and Washington Streets. Completed investigation in Cityworks.
- Streets crew participated in iPhone training on October 29 and Defensive Driving training on October 30.
- Had field training for GSI assets with AKRF on Penn Street.

## **Environmental Compliance**

The Environmental Compliance Inspector finished the last of the annual inspections for all permitted FOG dischargers for the 2024 calendar year before taking parental leave through the winter. Illicit discharge investigation and permitting of new FOG establishments will be handled by other employees in her absence.



# **Wastewater Exhibits**



### **EXHIBIT A**

# CAPITAL REGION WATER ADVANCED WASTEWATER TREATMENT FACILITY

### Process Control - 2024

Parameters	January	February	March	April	May	June	July	August	September	October	November December	Average	NPDES Limits
Volume, MGD	32.0	23.0	26.7	31.9	26.4	19.4	16.3	20.0	16.3	14.8		22.7	37.7
Carbonaceous Biochemical Oxygen Demand													
Influent, mg/L	106		106	104	116	156	281	155		196		153	
Effluent, mg/L	4 95.2		4 94.7	5 91.7	3 97.3	07.7	4	3 97.5		98.2		4 06.7	25
Percent Removal, % Effluent Loading, lb/d	1,119		1,162	1,751	649	97.7 583	98.6 532	97.5 595		96.2 425		96.7 774	7,860
Efficient Loading, ib/u	1,119	309	1,102	1,751		363	332	393	410	423		774	7,800
Suspended Solids:					•								
Influent, mg/L	128	153	141	141	152	179	192	170	178	208		164	
Effluent, mg/L	5		10	8	3	4	4	6		5		5	30
Percent Removal, %	95.2		87.4	89.5	97.7	97.7	98.0	96.0		97.4		95.4	
Effluent Loading, lb/d	1,506	650	3,306	3,296	757	692	509	1,147	665	604		1,313	9,433
Nitrogen													
Total-N													
Influent, mg/L	20		23	20	23	28	30	27		28		25	
Effluent, mg/L	8.7		5.7	5.2	10.4	7.2	8.4	7.6		8.0		8	Monitor
Percent Removal, %	56.3		76	74.4	54.6	74.3	71.5	71.9		70.9		69.6	
Effluent Loading, lb/d NH3-N	2,207	1,229	1222	1,476	1,995	1,068	1,143	1,199	979	1,096		1,361	
Influent mg/L	10	13	12	11	12	14	17	14	19	20		14	
Effluent, mg/L	0.4		0.8	0.7	0.5	0.5	0.4	0.5		5.2		14	11 (2)
Percent Removal, %	95.8		93.2	93.3	95.8	96.5	97.6	96.5		73.9		92.3	
Effluent Loading, lb/d	105		182	176	123	91	63	82		629		194	4,716
3,													,
Phosphorus:													
Influent, mg/L	2.9		2.6	2.5	2.8	3.5	4.1	3.4		4.6		3.3	
Effluent, mg/L	1.1		1.0	1.0	1.3	1.7	1.6	1.2		1.1		1.3	2.0
Percent Removal, %	61.2		58.3	53.8	49.6	50.6	59.2	62.0		75.8		59.5	
Effluent Loading, lb/d	207	2	223	248	286	272	225	197	188	136		198	629
pH:													
Influent, Std. Units	7.5		7.5	7.5	7.5	7.5	7.5	7.5		7.4		7.5	
Effluent, Std. Units	7.4	7.4	7.4	7.3	7.2	7.4	7.4	7.5	7.4	7.4		7.4	6.0 - 9.0
Dissolved Oxygen:													
Effluent Minimum, mg/L	6.1	6.2	6.2	7.6	7.1	6.3	7.0	6.7	7.2	7.7		6.8	5.0 Min.
Fecal Coliform:													
Effluent, No./100 ml	96.7	19.6	41.3	27	<5.5	5.1	<5.1	10	<3.7	<2.9		33	200/100 ml (1)
Chlorine Residual:													
Effluent, mg/L	0.19	0.17	0.20	0.20	0.40	0.46	0.41	0.45	0.41	0.19		0.31	0.50

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

PROCESS2024-A

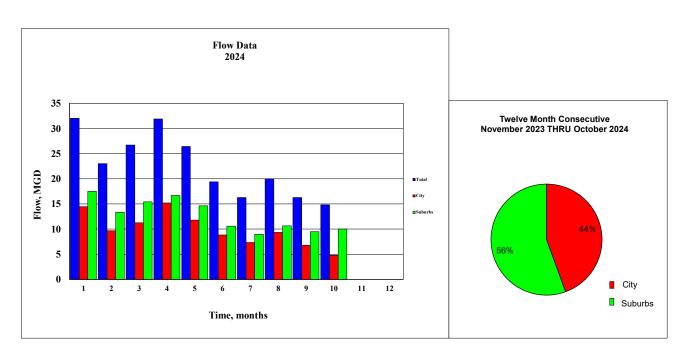
<sup>(2)</sup> Seasonal Limit May 1 to Nov.1.

### **EXHIBIT B**

# CAPITAL REGION WATER ADVANCED WASTEWATER TREATMENT FACILITY

Flow Monitoring Information, MGD - 2024

	Total				С	ity Region	s			Total Precip				
Month	Flow	City	Suburbs	1	2	3	4	5	6	7	8	9	10	inches
January	32.000	14.481	17.519	13.200	0.281	0.300	0.140	0.560	1.800	6.600	3.229	5.280	0.610	6.920
February	23.000	9.642	13.358	8.520	0.202	0.300	0.450	0.170	1.500	4.980	2.318	4.070	0.490	2.840
March	26.700	11.268	15.432	9.730	0.238	0.300	0.740	0.260	1.600	5.700	2.742	4.480	0.910	4.620
April	31.900	15.200	16.700	12.600	0.250	0.300	1.450	0.600	1.900	5.850	2.870	5.360	0.720	5.320
May	26.400	11.792	14.608	10.220	0.222	0.300	0.820	0.230	1.500	5.250	2.548	4.480	0.830	5.650
June	19.400	8.818	10.582	7.760	0.178	0.300	0.380	0.200	1.400	4.220	2.052	2.500	0.410	5.950
July	16.300	7.344	8.956	6.720	0.124	0.300	0.080	0.120	1.200	3.900	1.426	2.090	0.340	1.010
August	20.000	9.346	10.654	8.310	0.146	0.300	0.300	0.290	1.400	4.410	1.684	2.720	0.440	6.640
September	16.300	6.811	9.489	6.310	0.131	0.300	(0.070)	0.140	1.200	4.230	1.509	2.230	0.320	2.660
<b>October</b> November December	14.800	4.786	10.014	4.700	0.126	0.300	(0.460)	0.120	1.200	4.340	1.454	2.360	0.660	0.610
Average Percent	22.68 100.00	9.95 43.87	12.73 56.13											4.22 42.22



FLOW2024 No Zeros-B



### **EXHIBIT C**

# CAPITAL REGION WATER ADVANCED WASTEWATER TREATMENT FACILITY

### Treatment Utility and Chemical Usage - 2024

Utility / Chemical	January	February	March	April	May	June	July	August	September	October	November December	Average	Total
	Jamasary				,	<b>J</b>	J,						
Electric													
Total, kwH	1,249,200	1,146,900	1,227,600	1,179,600	1,131,600	1,237,200	1,078,800	1,085,100	1,242,900	988,500		1,156,740	11,567,400
Average, kwH/Day	40,297	39,548	39,600	39,320	36,503	41,240	34,800	35,003	41,430	31,887		1,130,740	11,367,400
Cost, Dollars	\$72,289.80	\$70,230.87	\$70,185.76	\$68,749.94	\$66,261.76	\$73,880.95	\$69,062.88		\$73,945.64			\$69,627.12	\$696,271.22
Natural Gas													
Total, Cu Ft	513.6	685.5	609.3	72.0	8.9	0.0	0.2	0.9	1.1	*		189	1,892
Average, Cu Ft/Day	17	24	20	2	0.5	0.0	0	0.5	0	*		.03	
Cost, Dollars	\$4,613.64	\$6,641.81	\$4,673.91	\$1,463.71	\$216.21	\$144.01	\$144.41	\$150.95	\$151.75	*		\$1,820.04	\$18,200.40
Water													
Total, Gal.	889,000	825,000	779,000	942,000	993,000	1,052,000	855,000	830,000	547,000	*		856,889	7,712,000
Average, Gal./Day	28,677	26,613	25,129	31,400	32,032	35,067	27,581	26,774	18,233	*			
Cost, Dollars	\$12,810.85	\$12,129.25	\$11,639.35	\$13,055.80	\$13,918.45	\$14,546.80	\$12,448.75	\$12,182.50	\$9,168.55	*		\$11,190.03	\$111,900.30
MicroC													
Total, Gal.	0	0	0	0	3,080	0	0	0	0	0		308	3,080
Average, Gal./Day	0.0	0.0	0.0	0.0	385.0	0.0	0.0	0.0	0.0	0.0		39	
Cost, Dollars	\$0	\$0.00	\$0	\$0	\$12,289	\$0	\$0	\$0	\$0	\$0		\$1,228.92	\$12,289.20
Sodium Hydroxide													
Total, Gal.	0	0	0	0	0	0	0	0	0	0		0	0
Average, Gal./Day	0	0	0	0	0	0	0	0		0		0	
Cost, Dollars	0	0	0	0	0	0	0	0		0		\$0.00	\$0.00
Chlorine Disinfection													
Total, Lbs.	13,145	8,990	10,980	8,430	11,685	8,020	10,750	9,780	7,800	4,985		9,457	94,565
Average, Lbs./Day	424	310	354	281	377	267	347	315	260	161		310	
Avg Residual, mg/L	0.19	0.17	0.20	0.20	0.40	0.46	0.41	0.45	0.41	0.19		0.31	
Cost, \$/Lbs.	\$1.64	\$1.64	\$1.64	\$1.64	\$1.64	\$1.64	\$1.64	\$1.64	\$1.64	\$1.64		\$1.64	
Total Cost, Dollars	\$21,557.80	\$14,743.60	\$18,007.20	\$13,825.20	\$19,163.40	\$13,152.80	\$17,630.00	\$16,039.20	\$12,792.00	\$8,175.40		\$15,508.66	\$155,086.60
Phosphorous Removal													
Total FeCl3, Gals.	1,660	1,445	1,367	1,238	1,307	2,236	8,153	3,621	2,640	2,589		2,626	26,255
Avg FeCl3, Gals./Day	54	50	44	41	42	75	263	117	88	82		85	
FeCl3 Cost, \$/Gal.	\$1.74	\$1.74	\$1.74	\$1.74	\$1.74	\$1.74	\$1.74	\$1.74	\$1.74	\$1.74		\$1.74	
FeCl3 Total Cost, Dollars	\$2,888.05	\$2,514.30	\$2,378.58	\$2,154.12	\$2,274.18	\$3,890.64	\$14,186.22	\$6,300.54	\$4,593.60	\$4,504.86		\$4,568.51	\$45,685.09

<sup>\*</sup> No data at time of report

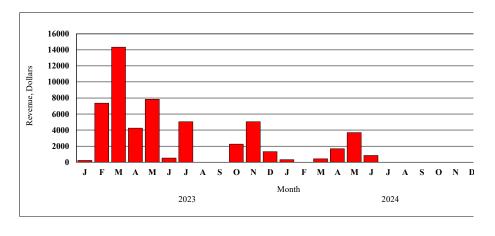


### **EXHIBIT D**

# CAPITAL REGION WATER ADVANCED WASTEWATER TREATMENT FACILITY

**Cogeneration Electrical Production: 2023-2024** 

	Percent	Daily Avg	Kilowatt Hours	Estimated	
Period	Run Time	Kilowatt	Produced	Revenue	
	·				
January 2023	2	58	1,800	\$210.51	
February 2023	58	2,250	63,000	\$7,367.85	
March 2023	75	3,135	97,200	\$14,337.97	
April 2023	25	960	28,800	\$4,248.29	
May 2023	38	1,713	53,100	\$7,832.78	
June 2023	5	120	3,600	\$531.04	
July 2023	32	1,103	34,200	\$5,044.84	
August 2023	0	0	0	\$0.00	
September 2023	0	0	0	\$0.00	
October 2023	13	4,936	15,300	\$2,256.90	
November 2023	26	1,140	34,200	\$5,044.84	
December 202	7	290	9,000	\$1,327.59	
Total - 2023			340,200	\$48,202.61	
Monthly Average - 2023	23	1,309	28,350	\$4,016.88	
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					
December 2024					
Total - 2024			59,400	\$6,946.83	
Monthly Average - 2024	6	194	5,940	\$694.68	



COGEN2024-D 10



### **EXHIBIT E**

## CAPITAL REGION WATER ADVANCED WASTEWATER TREATMENT FACILITY

Sludge Handling Information - 2024

Process, Lbs. 542,8 CWH Program, Lbs. 602,8 Total Solids, Lbs. 1,145,7	85 682,2		1,086,920								
CWH Program, Lbs. 602,8	85 682,2		1.086.920								
3		13 717 826	.,000,020	1,386,456	1,213,303	958,277	887,271	912,703	1,347,614	911,75	9,117,507
Total Solids, Lbs. 1,145,7	11 886,2	717,020	266,504	213,356	192,204	142,244	237,686	118,321	110,589	328,380	3,283,859
		33 1,295,944	1,353,424	1,599,812	1,405,507	1,100,521	1,124,957	1,031,024	1,458,203	1,240,13	7 12,401,366
Sludge Dewatering											
Feed Volume, Gals. 3,466,0	00 3,659,0	00 4,085,000	3,870,000	5,456,000	3,063,000	3,291,000	3,967,000	4,719,000	5,597,000		
Feed Solids, %	.2 2	.1 1.7	2.0	1.9	1.8	1.8	1.7	1.7	1.6	1.9	18.5
Labor, Hours 9	59 1,0	52 1108	1074	1351	1310	1148	1039	1145	1241	1,14	11,436
Operations, Hours 5	20 5	18 579	564	697	665	686	723	573	620	618	6,176
Total Cake, Dry Tons 1	34 2	12 147	165	301	298	268	266	232	225	230	2,298
Total Cake, Wet Tons 1,2	)1 1,3	25 992	1,012	1,912	1,830	1,642	1,631	1,440	1,493	1,44	14,478
Cake TS, %	.1 16	.0 16.1	16.3	15.8	16.3	16.3	16.3	16.1	15.2	16.	160.5
Press Rate, Lbs./Hour 4,6	7 4,8	3,428	3,586	5,484	5,504	4,788	4,512	5,031	4,813	4,660	46,597
Polymer Dosage, Lbs 3,0	59 3,7	3,472	3,587	5,656	5,846	4,724	4,455	3,683	4,335	4,25	42,565
Polymer Dosage, Lbs/Dry Ton 16	.7 17	.6 23.6	21.7	18.8	19.6	17.7	19.4	15.9	19.8	19.	190.8
Disposal Cost											
Labor, Dollars \$18,435.	32 \$20,415.	18 \$21,297.68	\$20,638.44	\$25,958.53	\$25,178.20	\$22,056.87	\$19,977.27	\$21,999.21	\$23,850.10	\$21,980.70	\$219,807.61
Electrical,Dollars \$228.	93 \$241.	2 \$254.67	\$248.34	\$306.81	\$292.60	\$301.80	\$318.12	\$251.90	\$273.00	\$271.7	\$2,717.29
Polymer, Dollars \$5,984.	55 \$7,285.	20 \$6,770.40	\$6,994.65	\$11,029.20	\$11,400.29	\$9,212.39	\$8,687.84	\$7,182.63	\$8,453.64	\$8,300.0	\$83,000.78
Disposal, Dollars \$40,940.	90 \$33,387.	70 \$35,166.10	\$40,832.00	\$51,643.10	\$46,006.20	\$53,280.70	\$95,996.50	\$40,789.00	\$45,876.60	\$48,391.8	\$483,918.80
Total Cost, Dollars \$65,590.	21 \$61,329.	50 \$63,488.85	\$68,713.42	\$88,937.64	\$82,877.29	\$84,851.75	\$124,979.72	\$70,222.74	\$78,453.34	\$78,944.4	\$789,444.47
Cost Per Dry Ton, Dollars \$356.	¥289.	9 \$431.90	\$416.44	\$416.44	\$295.47	\$278.11	\$317.03	\$469.85	\$302.68	\$357.3	\$3,573.69

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# CAPITAL REGION WATER ADVANCED WASTEWATER TREATMENT FACILITY

Conveyance Utility Usage - 2024

Location / Utility	January	February	March	April	May	June	July	August	September	October	November December	Average	Total
Front Street Pump Station													
·													
Electric													
Total, kwH	151,200	172,800	169,200	213,600	138,000	73,200	66,000	73,200	52,800	64,800		117,480	1,174,800
Average, kwH/Day	4,877	5,959	5,458	7,120	4,452	2,440	2,129	2,361	1,760	2,090		3,865	*04.035.50
Cost, Dollars Fuel Oil	\$10,483.32	\$10,711.75	\$10,285.01	\$12,684.75	\$9,430.26	\$6,782.46	\$6,136.00	\$6,906.66	\$5,165.65	\$6,349.64		\$8,493.55	\$84,935.50
Total, Gals.	0	0	0	0	0	0	0	0	0	0		0	0
Average, Gals./Day	0	0	0	0	0	0	0	0	0	0		0	
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
Water													
Total, Gals.	416,000	314,000	233,000	269,000	359,000	393,000	617,000	432,000	399,000	*		381,333	3,432,000
Average, Gal./Day	13,419	10,828	7,516	8,967	11,581	13,100	19,903	13,935	13,300	*		12,505	
Cost, Dollars	\$5,126.92	\$4,040.62	\$3,177.97	\$3,561.37	\$4,519.87	\$4,881.97	\$7,267.57	\$5,297.32	\$4,945.87	*		,	\$42,819.48
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Spring Creek Pump Station													
Electric													
Total, kwH	77,120	80,000	76,800	84,800	59,200	67,840	56,960	53,760	59,200	51,520		66,720	667,200
Average, kwH/Day	2,488	2,759	2,477	2,827	1,910	2,261	1,837	1,734	1,973	1,662		2,193	
Cost, Dollars	\$5,819.27	\$5,979.67	\$5,414.43	\$5,885.98	\$4,339.79	\$4,969.93	\$4,701.79	\$4,430.37	\$4,772.80	\$4,241.41		\$5,055.54	\$50,555.44
Fuel Oil													
Total, Gals.	0	0	0	0	0	0	0	0	0	0		0	0
Average, Gals./Day	0	0	0	0	0	0	0	0	0	0		0	
Cost, Dollars	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
Water													
Total, Gals.	115,000	93,000	88,000	101,000	100,000	97,000	94,000	90,000	103,000	*		97,889	881,000
Average, Gal./Day	3,710 \$1,300.74	3,207 \$1,066.44	2,839	3,367	3,226 \$1,140.99	3,233 \$1,109.04	3,133 \$1,077.09	2,903	3,433 \$1,172.94	*		3,228 \$1,118.51	#10.000 FC
Cost, Dollars	\$1,300.74	\$1,066.44	\$1,013.19	\$1,151.64	\$1,140.99	\$1,109.04	\$1,077.09	\$1,034.49	\$1,172.94	•		\$1,118.51	\$10,066.56
Market Street Pump Station													
Electric													
Total, kwH	1,320	1,440	1,080	1,320	840	840	720	480	1,080	840		996	9,960
Average, kwH/Day	43	50	35	44	27	28	23	15	36	27		33	
Cost,Dollars	\$164.58	\$165.42	\$158.54	\$168.92	\$138.54	\$148.92	\$130.54	\$95.17	\$290.36	\$174.42		\$163.54	\$1,635.41
Fuel Oil													
Total, Gals.	0	0	0	0	0	0	0	0	0	0		0	0
Average, Gals./Day	0	0	0	0	0	0	0	0	0	0		0	 ¢0.00
Cost, Dollars	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00
City Island Pump Station													
Electric													
Total, kwH	40	40	40	40	720	800	680	160	40	40		260	2,600
Average, kwH/Day	1	1	1	1	23	27	22	5	1	1		8	
Cost, Dollars	\$64.23	\$62.02	\$65.06	\$64.66	\$97.10	\$100.05	\$98.35	\$72.80	\$64.50	\$63.95		\$75.27	\$752.72

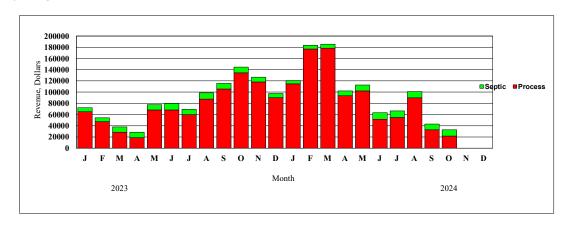


### **EXHIBIT G**

# CAPITAL REGION WATER ADVANCED WASTEWATER TREATMENT FACILITY

**Contract Waste Hauling Program 2023 - 2024** 

Month	Proc	ess	Sep	tic	Total			
Month -	Gallons	Revenue	Gallons	Revenue	Gallons	Revenue		
January	2,332,260	\$65,162.88	208,150	\$7,173.90	2,540,410	\$72,336.78		
February	1,424,370	\$47,326.95	191,150	\$6,694.20	1,615,520	\$54,021.15		
March	944,920	\$28,533.96	265,650	\$9,491.40	1,210,570	\$38,025.36		
April	579,580	\$19,060.38	265,600	\$9,473.40	845,180	\$28,533.78		
May	1,273,220	\$68,101.35	267,600	\$9,588.60	1,540,820	\$77,689.95		
June	1,329,280	\$68,218.26	326,700	\$11,626.20	1,655,980	\$79,844.46		
July	1,372,660	\$59,957.87	262,650	\$9,411.30	1,635,310	\$69,369.17		
August	1,883,530	\$87,631.96	314,650	\$11,214.90	2,198,180	\$98,846.86		
September	2,137,570	\$105,510.75	276,550	\$9,849.60	2,414,120	\$115,360.35		
October	2,340,860	\$134,366.80	288,550	\$10,332.90	2,629,410	\$144,699.70		
November	1,762,060	\$118,125.70	239,550	\$8,610.30	2,001,610	\$126,736.00		
December	1,543,690	\$90,184.38	205,450	\$7,378.20	1,749,140	\$97,562.58		
_								
Total - 2023	18,924,000	\$892,181.24	3,112,250	\$110,844.90	22,036,250	\$1,003,026.14		
Monthly Average - 2023	1,577,000	\$74,348.44	259,354	\$9,237.08	1,836,354	\$83,585.51		
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								
December								
Total - 2024	21,973,220	\$916,199.39	2,636,950	\$94,337.55	24,610,170	\$1,010,519.41		
Monthly Average - 2024	2,197,322	\$91,619.94	263,695	\$9,433.76	2,461,017	\$101,051.94		
monthly Average - 2024	2,131,322	451,015.54	203,033	Ψ <i>5</i> <sub>1</sub> -τ.55.7 0	2,-01,017	4101,051.54		



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