



Monthly Management Report

CRW Directors and Staff

November 2023

As of December 13, 2023

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Ensure Financial Stability	
Reconciled Bank Account Balances	Refer to attached Reconciled Bank Account Balances as of 11/30/2023.
Monthly Financial Statements	Provided separately to Board of Directors.
Monthly Financial Dashboard	Provided separately to Board of Directors.
AP Check Reconciliation Register	Provided separately to Board of Directors.
Capital Improvement Projects for Drinking Water	Provided separately to Board of Directors.
Capital Improvement Projects for Wastewater	Provided separately to Board of Directors.
Grant Management	Refer to attached Grant Management Report.
Ensure Revenues are Consistent with System Usage	
Water Shut-offs	There were 13 water shut-offs for non-payment and 30 service shut-off requests.
Repair/Replace Meters/MXUs/Batteries	Drinking Water Distribution staff replaced 13 water meters, 56 batteries, and 22 MXUs.
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	<ul style="list-style-type: none">• Phase 4 Stormwater Pro-Fi construction is ongoing. The contractor is currently working on the 4th and Harris Street GSI and 4th and Pepper Street GSI.• Design and planning for next phase of GSI (2024-2027) is underway.
Joint Pollutant Reduction Plan - Collaborate with Suburban Partners on MS4	The last stream restoration project under the Joint Pollutant Reduction Plan, Paxton Creek Best Management Practices, is in design and Resource Environmental Solutions (RES) plans to submit for permits in January 2024, with an estimated construction start of summer 2024.
Obtain and Comply with Individual MS4 Permit	CRW is addressing a warning letter for non-compliance issues from observations from an October 2022 US EPA inspection. The minor erosion and sediment issues were immediately addressed a year ago. CRW will provide the requested documentation confirming the erosion and sediment issues have not persisted.
Operate Facilities with a High Standard of Care	
Permit Compliance	The Drinking Water department met all primary and secondary Safe Drinking Water Act permit parameters for the month of November.
	The AWTF met all NPDES permit parameters for the month of November. One Dry Weather Overflow (DWO) and one Sanitary Sewer Overflow (SSO) were reported.
Notice of Violations (NOVs)	There was a missed monitoring NOV for a missed result which is identified in the Drinking Water Department Monthly Report for November.
	There were no NOVs received by the Wastewater department in November.



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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 November. The Wastewater department completed all regularly scheduled preventative maintenance in the month of November, including the final, single semi-annual CSO preventative maintenance.
CCTV	A total of 6,895 feet (1.3 miles) of sewer pipes were assessed by closed circuit television (CCTV) footage during the month of November. A total of 703 feet (0.13 miles) of sewer pipes were flushed as well.
Incident Response	Wastewater responded to ten (10) backup and overflow calls from residents during the month of November. CRW was responsible for none.
Geographic Information System (GIS)	<ul style="list-style-type: none"> • Twelve (12) Pennsylvania One Call tickets were completed. Four (4) had no CRW facilities present and eight (8) required a map. • Six (6) responses received from Request for Proposal (RFP) solicitation. Proposal review and interviews will take place in December. • Service Line Self-Assessment Dashboard is ready for use by CRW. This dashboard allows the Strategic Initiative (SI) team to QA/QC the customer-owned and inspected service lines that were submitted via the Water Service Line Material Survey online application. (https://survey123.arcgis.com/share/bbf093a00dae47ed8776aeec536944e0). • GIS team attended GIS Day held at Harrisburg University. • Two (2) in-person GIS update sessions were held at the AWTF. • Attended two (2) meetings related to the Lead and Copper Rule Revision and Discoveries and the GIS workflow.
Cityworks	<div style="background-color: black; height: 1.2em; width: 100%;"></div> <div style="background-color: black; height: 1.2em; width: 25%;"></div> <div style="background-color: black; height: 1.2em; width: 100%;"></div> <div style="background-color: black; height: 1.2em; width: 55%;"></div> <div style="background-color: black; height: 1.2em; width: 95%;"></div> <div style="background-color: black; height: 1.2em; width: 10%;"></div> <div style="background-color: black; height: 1.2em; width: 60%;"></div> <div style="background-color: black; height: 1.2em; width: 70%;"></div>

Asset Management	<p>Roadmap Implementation activity report:</p> <p>Decision Making Capital Planning Roadmap Implementation Group (RIG)</p> <ul style="list-style-type: none">• Meeting held 11/2/2023 to pilot asset management design and construction requirements in the 2024 Water Improvements project. <p>Information System Data Management Roadmap Implementation Group RIG</p> <ul style="list-style-type: none">• Subtask 3.1 draft data audit and gap closure plan memorandum due end of year.• Subtask 3.3, draft Information System assessment and recommendation memorandum due end of year. <p>Operations & Maintenance Roadmap Implementation Group RIG</p> <ul style="list-style-type: none">• Collection System Asset Management Plan 20-Year Capital Improvement Plan (CIP) technical memo final delivered 11/17/2023.• Data collection complete for AWTF asset inventory and condition assessment project, updated registry in quality assurance process. Labeling of assets with barcodes to occur in the first quarter of 2024. <p>Organizational Framework Roadmap Implementation Group RIG</p> <ul style="list-style-type: none">• Subtask 5.1 Regulatory Reporting and Monitoring and Subtask 5.2 Employee Development and Training are in progress.• Met on 11/22/2023 to review draft deliverables for Task Order 2023-01-03 Dashboard Development. Estimated arrival of final deliverables in January 2024. <p>InfoAsset Planner Year 2 Implementation activity report:</p> <ul style="list-style-type: none">• Ongoing support as needed for remainder of the year. <p>Other activities:</p> <ul style="list-style-type: none">• Scored responses to CRW's Request for Proposal - Geographical Information System and Computerized Maintenance Management System Support and met with selection committee on 12/11/2023 to determine respondents invited to interview.• Collaboration continues with working groups on the Lead Service Line Inventory, internal land development and permitting process, Cityworks Optimization and Risk Management.
Development Review Summary	For details, see attached Development Stormwater Management Review Summary spreadsheet for December.

Undertake Capital Improvement Projects - <i>Refer to attached Capital Improvement Projects Report</i>	
Professional & Contractor Services	<p>Recommend Board approval of the following Resolutions, Task Orders, Change Orders and Agreements:</p> <p>Drinking Water: None.</p> <p>Wastewater: None.</p> <p>Stormwater: None.</p>
Stormwater O&M Agreements	Recommend Board approval of the following: None
AWTF Primary Digesters Rehabilitation	No update. Closeout of the general construction contract is dependent upon resolution of the contractor's time delay claim.
AWTF Primary Clarifiers Improvements	The project is in the preliminary design phase.
AWTF Energy Recovery Improvements	The project is currently advertised and bids will be opened on 12/20/2023.
Front Street Pumping Station Improvements	Closeout of the general construction contract is dependent upon resolution of the contractor's time delay claim.
Undertake Renewal and Replacement Projects	
2022 Water System Improvements	All work is complete and the project will be closed out.
Cameron Street Water Main - Phase 4	Work is complete for 2023. The contractor will remobilize in the Spring to complete the remainder of the contract work.
2023 Sewer System Improvements (Excavation)	All work is complete and a final adjusting change order is being prepared.
2023 Sewer System Improvements (Trenchless)	Standard Pipe Services has been directed to pause work and will resume cured-in-place pipe (CIPP) lining work after 4/1/2024.
Arsenal Boulevard Sewer Improvements	The project is currently advertised and bids will be opened on 1/4/2024.
Front Street Interceptor Rehabilitation - Phase 2	The contractor is performing miscellaneous concrete work in Riverfront Park. The project is expected to be closed in December.
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 November.
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 November.
Sinkhole Program	Six (6) sinkholes were investigated by CRW in the month of November. One was due to failure of a wastewater asset.
Inlet Cleaning	A total of 112 stormwater inlets were cleaned during the month of November, and 109 stormwater inlet inspections were performed. The Field Construction group repaired 16 inlets at various locations throughout the city.

Operate as an Efficient, Sustainable and Resilient Water Utility	
DeHart Property Stewardship	<p>In accordance with the DeHart Property Forest Management Plan:</p> <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 commenced in MUs 40 and 42 (approximately 135 acres). Harvest prescription supports overstory removal to release regeneration. • A prospectus for a timber sale in MU 12 (approximately 140 acres) was released and the harvest sale is currently open for bid. A sale tour will be hosted on 12/20/2023.
Sustainability	No update.
Internal Communications	Intranet [REDACTED] site continues to be used. Q4 all-employee CReW meetings were held at each facility in October. The Q4 <i>Daily Flow</i> newsletter was distributed; the content celebrated CRW's 10-year anniversary.
Inform and Listen to Customers and Encourage Stewardship of our Systems	
Media Relations - Press and Social Media	<p>PRESS RELEASES: November 15: "CAPITAL REGION WATER TO PRESENT 2024 BUDGET AND RATES." & November 22: "CAPITAL REGION WATER BOARD APPROVES 2024 BUDGET AND RATES."</p> <p>SOCIAL MEDIA TOPICS:</p> <p>Facebook/Instagram: 3 New Organic Followers (1,651 Facebook / 719 Instagram). Four (4) Posts; Highest Engaged Post: "Charlotte's Community Comment-The Burg" (702 Reachs, 10 Reactions, 6 Shares, 2 comments); Other topics: Thanksgiving Post, Board Meeting, Service Line Inventory Reminders.</p> <p>Nextdoor: Stats: 7,223 Total Members (164 New members); Zero (0) Post.</p> <p>2023 Demographics: Most Active Age-range: 25-54; Gender division: 62% Women / 37% Men; Locations: Harrisburg, Penbrook, Mechanicsburg, Steelton, Linglestown, Camp Hill and Lancaster.</p>
Community Relations	<p>Community Outreach:</p> <ul style="list-style-type: none"> • Two (2) community events were attended: Alpha Kappa Alpha Sorority Energy Forum on 11/9/2023; Harrisburg Marathon on 11/12/2023. • Two (2) facility tours: State Department of Environmental Protection DeHart Dam tour on 11/15/2023; Advancing Youth Creativity (AYC) Leadership Academy DeHart Dam tour on 11/30/2023. • One (1) community meeting: CRW Community Ambassador Meeting on 11/16/2023. • Delivered eight (8) sets of door-to-door notifications impacting approximately two hundred fifty-four (254) customers. Included seven (7) courtesy construction notices. • Zero (0) Everbridge alerts.
Public Communications	WHAT'S ON TAP COMMUNICATION: The November monthly bill stuffer was distributed as a bill insert. Topics included: Homeowners' Responsibility and Customer Drinking Water Service Line Survey.
Business Diversity	No update.



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Administrative	
Risk Management	<p>Executive Summary: <u>Total Claims:</u> 30 Open: 9 Closed: 21</p> <p><u>Insurance Line Claim Count:</u> Auto: 2 General Liability: 16 Public Officials: 2 Workers Compensation: 10</p>
Human Resources	For details, see attached Recruiting Status Report.
Procurement	<p>Procurement continues to negotiate pricing, terms, etc. as well as conducts bids and assists staff in identifying vendors and requesting quotes for goods and services, as requested.</p> <p>Recommend Board approval of the following: PROJECT NUMBER 2023 – 214 - Water Treatment Chemicals, PennBid PROJECT NUMBER 2023 – 211 – Janitorial Services</p>
Information Technologies (IT)	<div style="background-color: black; height: 15px; width: 100%;"></div> <div style="background-color: black; height: 15px; width: 80%;"></div> <div style="background-color: black; height: 15px; width: 75%;"></div> <div style="background-color: black; height: 15px; width: 100%;"></div> <div style="background-color: black; height: 15px; width: 30%;"></div> <div style="background-color: black; height: 15px; width: 95%;"></div> <div style="background-color: black; height: 15px; width: 98%;"></div> <div style="background-color: black; height: 15px; width: 85%;"></div> <div style="background-color: black; height: 15px; width: 60%;"></div> <div style="background-color: black; height: 15px; width: 65%;"></div> <div style="background-color: black; height: 15px; width: 90%;"></div>

<p>Office Management and Admin Professional Services and Construction</p>	<p>Incoming Correspondence Report: Refer to attached Incoming Correspondence Report for November 2023.</p> <p>Street/Sidewalk-Cut Permits: Three (3) Drinking Water and one (1) Wastewater permits were issued. Twelve (12) Drinking Water and two (2) Wastewater permit were successfully completed, inspected, and closed by the City of Harrisburg's Engineer.</p> <p>Fleet Management (Acquisitions):</p> <ul style="list-style-type: none"> • CRW accepted delivery of C-95 (2024 International MV607 SBA Main Break Truck) on 10/24/2023 (Drinking Water) • CRW accepted delivery of G-93 (2023 Ford Transit High Roof Cargo Van w/CCTV Camera System) on 10/25/2023 (Wastewater) • CRW accepted delivery of G-80 (2023 Ford F-350 Super Duty XL 4X4 Regular Cab Box Truck) (Traded-in G-41) on 11/7/2023 (Wastewater) • CRW accepted delivery of C-104 (2023 Ford Escape) (Traded-in C-44) on 11/13/2023 (Drinking Water) • CRW accepted delivery of C-102 (2023 Ford Escape SE 4X4) (Traded-in C-52) on 11/22/2023 (Drinking Water) • CRW accepted delivery of G-94 (2023 Ford F-150 XL 4X4 Regular Cab 4X4 Truck with 8' Bed Upfit) on 11/22/2023 (Wastewater) <p>Fleet Management (Completed Dispositions thru Municibid)</p> <p>Drinking Water:</p> <ul style="list-style-type: none"> • C-00 - 1989 Grumman 17' 4-Person Boat - 50 HP. Sold for \$925 on 12/15/2023, and equipment was picked up on 12/18/2023. • C-14 - 2009 Ford Escape Hybrid. Bids will close 12/22/2023 @ 11:30 a.m. (Auction was extended) • C-15 - 2009 Chevrolet Cobalt. Sold for \$1,700 on 12/14/2023, and vehicle was picked up on 12/15/2023. • C-16 - 1999 GMC C8500 Service Truck w/Utility Body. Sold for \$15,000 on 12/13/2023, and vehicle was picked up on 12/13/2023. • C-47 - 1986 Protecto Flash Model 85 Traffic Signboard. Bids will close 1/2/2024 @ 8:11 a.m. (Auction was extended) • C-109 - Hach Fluoride Analyzer. Bids closed 12/13/2023 @ 9:00 p.m. (No bids received). <p>Wastewater: None.</p>
<p>Right-to-Know Requests</p>	<p>CRW has received and responded to zero (0) Right-to-Know requests during the period 11/15/2023 through 12/13/2023. 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>



Reconciled Bank Account Balances

Reconciled Bank Account Balances

11/30/2023

Unrestricted Cash Accounts	Balance	APY	Bank	
ADMIN				
Business Checking-6908	\$ 198,497.54	0.65%	First National Bank	
Money Market-Admin-0621	\$ 508,893.07	4.93%	First National Bank	
FNB Lockbox-6393	\$ 7,157.32	0.0000%	First National Bank	
General Account-7892	\$ 591,755.97	0.00%	First National Bank	
Project Fund-6990	\$ 452,318.72	4.59%	First National Bank	
WATER				
Water Revenue Fund-6833	\$ 857,349.30	0.00%	First National Bank	Earnings Generated offset fees for Services
Money Market-Water-0639	\$ 7,434,022.65	4.93%	First National Bank	
Water 2022 Pennvest-1878	\$ 10,009.61	0.00%	First National Bank	
SEWER				
Sewer Revenue Account-5819	\$ 458,923.21	0.00%	First National Bank	Earnings Generated offset fees for Services
Money Market-Sewer-0589	\$ 6,394,916.94	4.92%	First National Bank	
Sewer 2021 Pennvest-5846	\$ 10,042.72	0.00%	First National Bank	
Sewer Pennvest-3642	\$ 47,141.07	0.00%	First National Bank	
Sewer 2022 Pennvest-6430	\$ 12,820.22	0.00%	First National Bank	
STORMWATER				
Stormwater Revenue Account-8814	\$ 59,300.54	0.00%	First National Bank	Earnings Generated offset fees for Services
Stormwater Money Market-4633	\$ 2,341,317.93	4.95%	First National Bank	
Stormwater Pennvest-0241	\$ 10,546.14	0.00%	First National Bank	
Restricted Cash Accounts				
WATER				
Water 2016A Debt Service Reserve-517295	\$ 5,888,827.85	5.240%	Bank of New York	
Water 2016A Debt Service Fund-517296	\$ 1,835,837.99	5.240%	Bank of New York	
Water 2018 Debt Service Reserve-763549	\$ 4,264,282.50	5.240%	Bank of New York	
Water 2018 Debt Service Fund-763548	\$ 778,197.01	5.240%	Bank of New York	
Water 2018 Bond-Construction-763594	\$ -	4.870%	Bank of New York	
SEWER				
Wastewater 2017 Debt Service Reserve-721503	\$ 2,970,548.60	5.24%	Bank of New York	
Wastewater 2017 Debt Service Fund-721387	\$ 1,002,498.73	5.24%	Bank of New York	
Investment Accounts				
ADMIN				
Certificate of Deposit – Natl Civil War Museum	\$ 250,000.00	0.1499%	First National Bank	Restricted \$250,000 min/\$500,000 max
WATER				
PLGIT Investment Nov 2023	\$ 500,000.00	5.250%	PLGIT	
PLGIT Investment Dec 2023	\$ 500,000.00	5.140%	PLGIT	
PLGIT Investment Feb 2024	\$ 500,000.00	4.980%	PLGIT	
PLGIT Investment May 2024	\$ 500,000.00	5.240%	PLGIT	
Water CD Nov 2023	\$ 500,000.00	5.0400%	First National Bank	
Water CD Jan 2024	\$ 1,000,000.00	5.2300%	First National Bank	
Water CD Feb 2024	\$ 1,000,000.00	5.0000%	First National Bank	
Water CD Mar 2024	\$ 1,000,000.00	4.5400%	First National Bank	
SEWER				
Sewer CD May 2024	\$ 500,000.00	5.30000%	First National Bank	
Sewer CD Nov 2023	\$ 500,000.00	5.0000%	First National Bank	



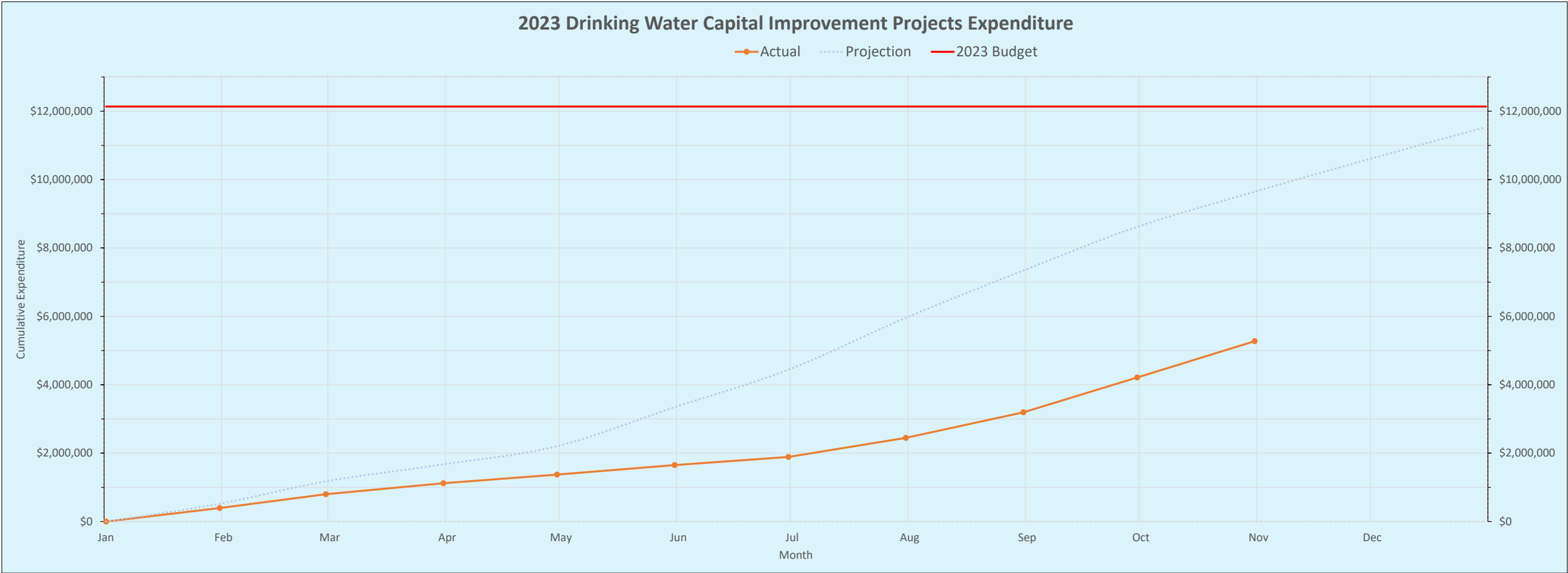
Grant Management Report

GRANT OVERVIEW											
Funding	Program	Project	Proposal Due Date	Anticipated Announcement Date	Date of Notification	Request Amount	Request Type (Cash vs. Loan)	CRW Matching Amount	\$\$\$ Awarded	Loan Disbursed	Rationale/Notes
Capital Region Water's Pending Grant & Loan Applications											
Department of Community and Economit Development	COVID-19 ARPA H2O PA - Small Water Supply, Sanitary Sewer and Storm Water Projects	Paxton Creek Interceptor Site Preparation Project	12/21/2022	Mid to late 2023	TBD	\$10,500,000	Cash	\$5,275,105	TBD	\$0	
FY24 Community Project Funding Appropriations Request	Green Stormwater Infrastructure	Paxton Creek Restoration Planning Project	4/25/2023	Early to mid-2024	N/A	\$500,000	Cash	TBD	\$0	\$0	
National Fish and Wildlife Foundation	Chesapeake Bay Innovative Nutrient and Sediment Reduction Grant	Enhancing Community Connections Through Clean Water Project	11/17/2022	Initially notified 5/30/2023	5/30/2023	\$1,000,000	Cash	\$300,000	\$0	\$0	Notified on 5/30/2023 that CRW was not selected for grant funding Notified 11/21/2023 that NFWF was receiving additional funding for 2023 INSR funding round. CRW opting to resubmit with application due 12/14/2023
SUB TOTALS						\$12,000,000		\$5,575,105		\$0	
Capital Region Water's Awarded Grant, Loan and Bond Proceeds											
PENNVEST	Infrastructure (Projects)	ProFi Wastewater Infrastructure Loan	COMPLETED	10/21/2020	10/21/2020	\$65,000,000	Loan	\$1,000,000	\$65,000,000	\$15,406,021	
PENNVEST	Infrastructure (Projects)	ProFi Wastewater Collection System Rehab Loan	COMPLETED	9/2/2021	9/2/2021	\$21,000,000	Loan	\$500,000	\$21,000,000	\$6,023,430	
PENNVEST	Infrastructure (Projects)	ProFi Green Infrastructure PENNVEST Loan	COMPLETED	10/16/2019	10/16/2019	\$13,000,000	Loan	\$0	\$13,000,000	\$5,693,247	Amount due from COH - \$216,430 \$631,502 submitted for reimbursement on 11/27/2023 \$576,244 to be submitted for reimbursement prior to 12/31/2023
PENNVEST	Infrastructure (Projects)	Front Street Pump Station Upgrade	COMPLETED	7/18/2018	7/18/2018	\$11,136,900	Loan	\$0	\$11,136,900	\$10,580,055	\$556,748 is PENNVEST holdback amount for project
PENNVEST	Infrastructure (Projects)	ProFi Drinking Water System Improvements	COMPLETED	4/20/2022	4/20/2022	\$41,622,000	Loan	\$0	\$41,622,000	\$3,776,746	Phase 3 settled on 9/19/2023 \$646,023 to be submitted for reimbursement prior to 12/31/2023
FEMA	Coronavirus (COVID-19) Pandemic: Safe Opening and Operation Work Eligible for Public Assistance	FEMA COVID Relief	COMPLETED	7/13/2021	7/13/2021	\$103,258	Cash	\$0	\$103,258	\$103,258	Awarded on 2/7/2022 Final payment of \$10,326 received on 5/9/2023
Susquehanna River Basin Commission (SRBC)	2023 Consuptive Use Mitigation Grant Program	Advanced Metering Infrastructure Upgrade Project	1/31/2023	April 2023	4/21/2023	\$250,000	Cash	\$2,070,000	\$250,000	\$0	Award letter received on 4/21/2023 PENNVEST Drinking Water Pro-Fi Phase 3 settled on 9/19/2023
SUB TOTALS						\$152,112,158		\$3,570,000	\$152,112,158	\$41,582,757	
Capital Region Water's Unawarded Grants & Loans											
FY23 Community Project Funding Appropriations Request	Green Stormwater Infrastructure	Riverfront Park Green Infrastrusture Project	4/25/2022	Notified mid-2023	Notified mid-203	\$2,000,000	Cash	\$600,000	\$0	\$0	Not awarded due to State budget issues
SUB TOTALS						\$2,000,000		\$600,000	\$0	\$0	



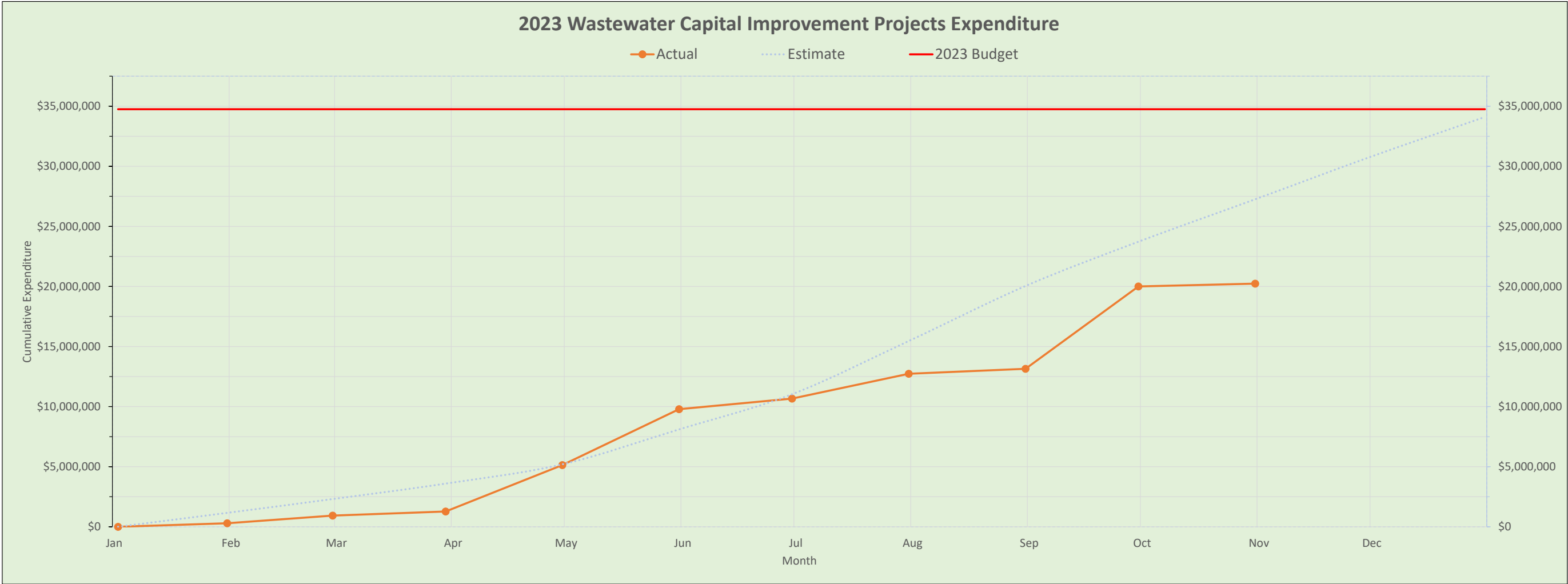
Capital Improvement Projects Report

Drinking Water Capital Improvement Projects Report



ACTUAL EXPENDITURE (from Finance)

MUNIS Project Code	Description	Status	Actual Expenditure (from Finance)												Actual Expenditure		2023 Budget
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	% Budget Expended	
60800801-80100-00006	Mountain Line Repairs	STUDY	\$ 5,159	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,571	\$ -	\$ 4,723			\$ 13,453	16%	\$ 82,500
60800801-80100-00015	Water Main Replacement	CONSTRUCTION	\$ 17,020	\$ 1,587	\$ 13,120	\$ 42,434	\$ 44,230	\$ 4,265	\$ 4,438	\$ 15,450	\$ 47,809	\$ 11,325			\$ 201,677		\$ -
60800801-80100-00016	Water Main Condition Assessment	STUDY	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -	0%	\$ 100,000
60800801-80100-00118	Water PennDOT I-83 Expansion	DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -	0%	\$ 24,500
60800801-80100-00226	2022 Water System Improvement (PV)	CONSTRUCTION	\$ 266,133	\$ 39,555	\$ 230,907	\$ 166,349	\$ 210,541	\$ 195,090	\$ 232,386	\$ 692,320	\$ 58,426	\$ 333,920			\$ 2,425,627	85%	\$ 2,843,662
60800801-80100-00228	Cameron St. Water Main Improve (PV)	DESIGN	\$ 30,741	\$ 13,100	\$ 9,755	\$ 1,061	\$ 2,376	\$ 13,069	\$ 311,685	\$ 19,951	\$ 899,779	\$ 708,518			\$ 2,010,035	32%	\$ 6,348,000
60800801-80100-00229	Water Meter Network Conversion (PV)	DESIGN	\$ 4,765	\$ 5,905	\$ 9,885	\$ 6,873	\$ 2,320	\$ 5,054	\$ 2,706	\$ 1,050	\$ 2,432	\$ 3,255			\$ 44,245	3%	\$ 1,650,000
60800801-80100-00230	DeHart Dam Improvements PV	DESIGN	\$ 70,996	\$ 19,920	\$ 47,120	\$ 31,025	\$ 16,895	\$ 13,662	\$ 6,058	\$ 5,048	\$ 7,630	\$ -			\$ 218,353	49%	\$ 445,000
60800801-80300-00303	Flocculation Equipment Upgrade	CONSTRUCTION	\$ -	\$ 323,960	\$ 9,360	\$ 7,878	\$ 1,433	\$ 3,861	\$ 1,181	\$ 10,189	\$ 3,126	\$ -			\$ 360,988	56%	\$ 641,859
Actual Monthly Expenditure			\$ 394,813	\$ 404,027	\$ 320,147	\$ 255,621	\$ 277,795	\$ 235,001	\$ 558,454	\$ 747,578	\$ 1,019,201	\$ 1,061,741	\$ -	\$ -	\$ 5,274,378	43.5%	\$ 12,135,521
Actual CUMULATIVE Expenditure			\$ 394,813	\$ 798,841	\$ 1,118,987	\$ 1,374,608	\$ 1,652,403	\$ 1,887,404	\$ 2,445,857	\$ 3,193,435	\$ 4,212,637	\$ 5,274,378					



ACTUAL EXPENDITURE (from Finance)													Actual Expenditure				
MUNIS Project Code	Description	Status	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	% Budget Expended	2023 Budget
80800801-80100-00023	AWTF Energy Recovery Improv	DESIGN	\$ -	\$ -	\$ -	\$ 11,830	\$ -	\$ -	\$ 9,867	\$ -	\$ 251,159	\$ -			\$ 272,856	<div><div></div></div> 3%	\$ 8,074,562
80800801-80100-00024	Primary Clarifier Improvement	DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,503	\$ 264	\$ -	\$ 3,123			\$ 4,890	<div><div></div></div> 3%	\$ 168,000
80800801-80100-00026	Collection System Rehab	CONSTRUCTION	\$ 131,057	\$ 190,622	\$ 127,034	\$ 735,728	\$ 54,308	\$ 21,915	\$ 216,097	\$ 59,854	\$ 240,420	\$ 33,890			\$ 1,810,925	<div><div></div></div> 106%	\$ 1,707,000
80800801-80100-00028	Paxton Creek Interceptor Repai	STUDY	\$ -	\$ -	\$ 4,040	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 132			\$ 4,172	<div><div></div></div> 1%	\$ 465,000
80800801-80100-00061	Arsenal Boulevard Sewer Improv	DESIGN	\$ -	\$ 2,877	\$ 2,987	\$ 9,885	\$ -	\$ 308	\$ 22,278	\$ 3,545	\$ 2,295	\$ 5,536			\$ 49,711	<div><div></div></div> 2%	\$ 2,689,400
80800801-80100-00065	Other Multi-Modal CCTV Investi	STUDY	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -	<div><div></div></div> 0%	\$ 500,000
80800801-80100-00083	Front St Interceptor Rehab P2	CONSTRUCTION	\$ -	\$ 290,525	\$ 52,434	\$ 2,811,899	\$ 4,443,109	\$ 699,579	\$ 1,395,961	\$ 128,883	\$ 5,940,404	\$ 75,282			\$ 15,838,076	<div><div></div></div> 99%	\$ 16,017,826
80800801-80100-00115	PennDOT I-83 Expansion	DESIGN	\$ 8,647	\$ 3,358	\$ 1,115	\$ 140,699	\$ 3,113	\$ 1,015	\$ 52,493	\$ 3,232	\$ 8,397	\$ 11,305			\$ 233,375	<div><div></div></div> 58%	\$ 405,000
80800801-80100-00126	3rd & Wiconisco Separation	DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,063	\$ 609	\$ -	\$ -	\$ 3,311			\$ 5,982	<div><div></div></div> 3%	\$ 230,000
80800801-80100-00127	Ww Sewer Rehab Pennvest \$21M	CONSTRUCTION	\$ 152,411	\$ 152,411	\$ 152,411	\$ 152,411	\$ 152,411	\$ 152,411	\$ 152,411	\$ 191,435	\$ 337,983	\$ 17,422				<div><div></div></div> 50%	\$ 3,993,881
80800801-80100-00132	Ww Sewer Rehab Pennvest \$21M Phase 2	CONSTRUCTION	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 204,221	\$ 1,658	\$ 51,484	\$ 69,898			\$ 2,015,274		
80800801-80100-00133	Ww Sewer Rehab Pennvest \$21M Phase 3	DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,871	\$ 17,973	\$ 28,322	\$ 11,132					
80800801-80100-00128	Primary Digester Insulation	STUDY	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -	<div><div></div></div> 0%	\$ 500,000
Actual Monthly Expenditure			\$ 292,115	\$ 639,794	\$ 340,020	\$ 3,862,452	\$ 4,652,941	\$ 877,291	\$ 2,072,310	\$ 406,845	\$ 6,860,463	\$ 231,030	\$ -	\$ -	\$ 20,235,261	<div><div></div></div> 58.2%	\$ 34,750,669
Actual CUMULATIVE Expenditure			\$ 292,115	\$ 931,909	\$ 1,271,929	\$ 5,134,381	\$ 9,787,322	\$ 10,664,612	\$ 12,736,923	\$ 13,143,767	\$ 20,004,231	\$ 20,235,261					



ACTUAL EXPENDITURE (from Finance)													Actual Expenditure				
MUNIS Project Code	Description	Status	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	% Budget Expended	2023 Budget
90800801-80100-00087	Camp Curtin Big Green Block GSI	CONSTRUCTION	\$ -	\$ 201,231	\$ 601,170	\$ 73,981	\$ 355,934	\$ 3,558	\$ 18,327	\$ -	\$ -	\$ -			\$ 1,254,201	<div>213%</div>	\$ 588,904
90800801-80100-00091	Paxton Crk TMDL Joint PRP MS4	CONSTRUCTION	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -	<div>0%</div>	\$ 180,400
90800801-80100-00108	SW Pond Retrofit - Bellevue Pa	CONSTRUCTION	\$ -	\$ 270,296	\$ 14,646	\$ 114,783	\$ 269,016	\$ -	\$ -	\$ -	\$ 12,442	\$ -			\$ 681,183	<div>233%</div>	\$ 292,874
90800801-80100-00124	Sw PENNVEST Pro-Fi Phase 4	CONSTRUCTION	\$ -	\$ -	\$ 4,511	\$ 1,751	\$ 7,916	\$ 6,268	\$ 329,505	\$ 636,271	\$ 11,875	\$ 1,112,860			\$ 2,110,956	<div>73%</div>	\$ 2,901,302
90800801-80100-00125	Sw PENNVEST Pro-Fi Phase 5	DESIGN	\$ 3,180	\$ 6,751	\$ 2,225	\$ 10,432	\$ -	\$ 37,155	\$ -	\$ 26,268	\$ -	\$ -			\$ 86,010	<div>11%</div>	\$ 770,000
90800801-80100-00130	PHEAA Campus GSI	DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -	<div>0%</div>	\$ 37,000
90800801-80100-00131	Reservoir Park - Phase 2 GSI	DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -	<div>0%</div>	\$ 150,000
Actual Monthly Expenditure			\$ 3,180	\$ 478,278	\$ 622,551	\$ 200,946	\$ 632,866	\$ 46,981	\$ 347,832	\$ 662,539	\$ 24,317	\$ 1,112,860	\$ -	\$ -	\$ 4,132,349	<div>84.0%</div>	\$ 4,920,480
Actual CUMULATIVE Expenditure			\$ 3,180	\$ 481,458	\$ 1,104,009	\$ 1,304,955	\$ 1,937,821	\$ 1,984,802	\$ 2,332,634	\$ 2,995,172	\$ 3,019,489	\$ 4,132,349					



Development Stormwater Management Review Summary

Development Stormwater Management Review Summary

December 12, 2023 Status Report

Development	Status	Latest Submittal	Latest Comments	Act 167 Watershed	BMP	Disturbed Area (Ac)	Rate Control	Volume Control	Infiltration	Comment
15th and Walnut Street	Preliminary/Final Development	12/17/2019	1/2/2020	Paxton Creek	Rain Garden/Porous Pavement	3.23	X	X	X	Sent comment letter on 1/2/2020
638-644 Woodbine Street	Preliminary/Final Development	2/12/2020	2/27/2020	Paxton Creek	Control Structure with Weir	0.24	X	X		Sent comment letter on 2/27/2020
1605-1609 Swatara Street	Preliminary/Final Development	1/19/2021	2/2/2021	Paxton Creek	SWM Facility/Porous Pavement	1.68	X		X	Sent comment letter on 2/2/2021
430 Reily Street	Preliminary/Final Development	2/23/2021	3/24/2021	Paxton Creek	Basin	1.69	X	X		Sent comment letter on 3/24/2021
1216 Kittatinny Street/ Hummel Street	Preliminary/Final Development	4/13/2021	5/17/2021	Paxton Creek	Pervious Pavement	0.31	X	X		Sent comment letter on 5/7/2021
1103 S. Front Street	Preliminary/Final Development	5/17/2021	12/21/2021	Susquehanna River/Paxton Creek	Rain Garden, Infiltration Trench, Infiltration Basin	5	X	X	X	Approval letter 12/29/2021
6th & Herr St (Bethel Village)	Preliminary/Final Development	9/3/2021	9/20/2021	Susquehanna River	Underground Infiltration Facility	0.49	X	X	X	Approval letter 9/20/2021
2101 North 6th Street	Preliminary/Final Development	8/17/2021	8/31/2021	Paxton Creek	SW Conveyance	0.71	X			Approval letter 1/18/2022
3rd and Clinton Street	Preliminary/Final Development	9/13/2021	10/4/2021	Paxton Creek	Underground Infiltration Facility and Porous Pavement	0.6	X	X	X	Sent comment letter on 10/4/2021
2426 North 2nd Street	Preliminary/Final Development	12/17/2021	1/5/2022	Paxton Creek	Underground Infiltration Facility / Pervious Pavement	0.17	X	X	X	Sent comment letter on 1/5/2022

Development Stormwater Management Review Summary

December 12, 2023 Status Report

Development	Status	Latest Submittal	Latest Comments	Act 167 Watershed	BMP	Disturbed Area (Ac)	Rate Control	Volume Control	Infiltration	Comment
2463 Jefferson Street	Preliminary/Final Development	1/24/2022	1/31/2022	Paxton Creek	Basin	0.54	X	X	X	Sent comment letter on 2/9/2022
1400 Sycamore Street	Preliminary/Final Development	9/1/2022	2/2/2023	Paxton Creek	Underground Storage	0.29	X	X	X	Approval letter 2/2/2023
Catherine Hershey School (6th-7th Street & Muench)	Preliminary/Final Development	6/21/2022	6/22/2022	Paxton Creek	Underground Storage	5	X	X	X	Sent comment letter on 6/22/2022
6th Street Apartments	Preliminary/Final Development	5/22/2023	6/12/2023	Susquehanna River	Rain Garden	0.77	X	X	X	Approval letter 6/12/2023
2151-2161 N. 4th Street	Preliminary/Final Development	7/13/2023	8/2/2023	Susquehanna River	Roof Sump	0.17	X		X	Approval letter 8/2/2023
2709 and 2717 N. Front Street	Preliminary/Final Development	2/9/2023	3/22/2023	Susquehanna River	Rain Garden/Trench	0.87	X	X	X	Sent comment letter on 3/22/2023
6th and Emerald Street	Preliminary/Final Development	4/11/2023	6/16/2023	Susquehanna River/Paxton Creek	Underground Storage	1	X	X	X	Sent comment letter on 9/6/2023
1933 & 1951 Herr Street	Preliminary/Final Development	10/4/2023	6/16/2023	Paxton Creek	Infiltration Trench	0.707	X	X	X	Sent approval letter on 10/16/2023



Recruiting Status

New Hires

Position	Employee	Effective Date	Service Area
Assistant Maintenance Supervisor	Luke Meketa	12/18/2023	No

Promotions/Transfers

Employee	Former Position	New Position	Effective Date
None			

Left Employment/Resignations/Retirements

Employee	Position	Effective Date
Aviane Chase	Laborer I – Drinking Water	11/8/2023
Jarrett Brown	Maintenance Specialist III – Drinking Water	11/10/2023
Barry Daniels	Service Person I – Drinking Water	11/13/2023
Terri Ambush	Posting Specialist	11/14/2023
Daniel Lehman	Operator III – Drinking Water	11/19/2023
Damian Bernstein	Operator I – Wastewater	11/22/2023
Regina Gail Malloy	Confidential Executive Assistant	11/29/2023
David Toth	Operator I – Wastewater	12/15/2023
Keith Ferguson	Operator I – Wastewater	12/28/2023

Open Positions

Position	Status	Service Area
Project Manager/Design Engineer	Interview process underway	N/A
Payroll Manager, Accounting Specialist	Interview process underway	N/A
Confidential Executive Assistant	Interview process underway	N/A
Environmental Compliance Inspector	Interview process underway	N/A
Electrician III	Interview process underway	N/A
Laborer I – Wastewater	Interview process underway	N/A
Laborer I – Drinking Water (2 positions)	Interview process underway	N/A
Operator I – Drinking Water (2 positions)	Interview process underway	N/A
Operator I – Wastewater (currently 1 position; 2 vacancies upcoming)	Internal post	N/A
Maintenance Specialist I – Drinking Water	Internal post	N/A
Service Person I – Drinking Water	Internal post	N/A
Posting Specialist	On Hold	N/A



Incoming Correspondence Report

Incoming Correspondence Report

November 2023

Date Received	Date of Correspondence	Company/Agency and Name of Sender	Reference	CRW Addressee/ Received by/ Provided to
11/2/2023	11/2/2023	PA Department of Labor and Industry - Bureau of Occupational and Industrial Safety	Non-Circular Elastomeric-coated Steel Suspension Members System Monitoring Devices	Addressed to: Building Owner Received by: Janice Miller-Zerbe Provided to: Joseph Baker & Tammie Sheaffer
11/3/2023	10/31/2023	PA Department of Labor and Industry - Bureau of Occupational and Industrial Safety	Notice of Violation - Elevator Building Number: 53036 Equipment: 1	Addressed to: CRW Received by: Janice Miller-Zerbe Provided to: Joseph Baker, Tammie Sheaffer, Michelle Bethel-Miller & Jess Rosentel



Drinking Water



DRINKING WATER DEPARTMENT MONTHLY REPORT



New Capital Region Water Main Break truck.

November 2023

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 November.

The DeHart water source was in service for 30 days. The Susquehanna River water source was in service for 5 days.

Specific water quality results are summarized in Exhibit A. A total of 209.208 MG, averaging 6.974 MGD was withdrawn from the DeHart water supply source for treatment. A total of 16.080 MG, averaging 3.2160 MGD was withdrawn from the Susquehanna River for treatment as shown in Exhibit B, a total of 207.898 MG, averaging 6.930 MGD, of finished drinking water was pumped to the distribution system.

The DeHart Watershed had average rainfall in November (Exhibit C) and the DeHart Reservoir water level decreased (Exhibit D). An estimated 209.17 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).

Operations staff completed the annual river run on November 5th. The annual river run allows us to test and operate our backup system to ensure its reliability, as well as confirm it can be utilized when needed and in the event of a potential emergency.

Plant Maintenance

The Maintenance team performed 66 maintenance work orders and four corrective maintenance work orders for the month of November using the Cityworks maintenance management system for all water treatment plant equipment, pumping stations, and fleet vehicles.

- The DeHart Dam watershed was patrolled daily and maintained.
- The Water Service Center (WSC) took delivery of C-102 Administration's Escape and C-104 Operations' Escape, and applied all branding, and identifiers to vehicles.
- Installed the conduit/wiring, load cell ton bases, and scale controllers for the new Chlorine Gas Tanks Scale system.
- Installation of pump rebuild kit for Plant Water Booster Pump 264B.
- Installed floor tape in the Operations Chemical Area for storage of Soda Ash and more defined forklift access.

-
- Continued to do landscaping duties at the pump houses, water treatment plant, and DeHart Dam facility.
 - Assisted customer service with postings and shut offs.

Distribution

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

- (CAP Program) repaired or replaced nine leaking services during the month of November, totaling 1,031,202 gallons of unmetered water.
- One fire hydrant repair and one replacement.
- Completed 329 work orders.
- Completed 502 water, sewer, and stormwater locates.
- Exercised 33 street valves.
- 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 also:

- Ensured collection of monthly regulatory samples for Total Coliform, and E. Coli.
- Received two taste and odor complaints of chlorine. One rate payer requested a home visit, chlorine was tested at the tap at a level of 1.42 mg/L and the other refused a home visit.
- Received a missed monitoring violation due to laboratory error for Haloacetic Acids (HAA). HAAs were collected on October 16, 2023, as required by the state. Three samples had low surrogate failures for HAA and were not able to be analyzed within the 14 days hold time. Samples were recollected on November 8, 2024. Results for the recollects have been received and all were well under MCL.



Drinking Water Exhibits

EXHIBIT A

Water Quality Analysis - 2023

PARAMETERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Average	MCL Limits
Total Coliform: Presence/Absence														
Distribution System	A	A	A	A	A	A	A	A	A	A	A	A	A	5% P
Chlorine Residual, mg/L Free														
Filter Plant Effluent	2.00	1.98	2.01	1.99	1.95	1.98	1.99	1.99	1.91	1.96	1.97		1.98	0.2 - 4.0
Distribution System	1.40	1.43	1.42	1.31	1.21	1.19	1.10	1.07	1.02	1.14	1.20		1.23	>0.20
Turbidity, NTU														
Influent from DeHart	1.20	0.98	0.71	0.61	0.77	1.02	1.05	0.80	0.97	1.44	1.42		1.00	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.64	6.13			NA
Filter Plant Effluent	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.04		0.03	0.30
pH, Std Units														
Influent from DeHart	6.4	6.5	6.5	6.4	6.1	6.0	5.9	5.8	5.8	5.8	6.1		6.10	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.8	7.5			NA
Filter Plant Effluent	7.6	7.5	7.9	7.7	7.5	7.4	7.4	7.4	7.5	7.5	7.6		7.54	6.5 - 8.5*
Distribution System	7.1	7.7	8.1	8.0	8.0	7.4	7.9	8.0	7.9	7.8	7.8		7.79	6.5 - 8.5*
Total Alkalinity, mg/L as CaCO3														
Influent DeHart	5	5	5	5	5	5	5	5	6	6	5		5.18	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	41	46			NA
Filter Plant Effluent	15	14	13	15	16	18	20	24	26	23	20		18.58	NA
Distribution System	13	14	15	14	15	14	20	25	28	26	21		18.66	NA
Temperature, degrees C														
Influent from DeHart	5.9	5.4	7.3	10.0	13.0	14.2	16.8	17.9	18.1	16.4	13.3		12.57	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.4	15.2			NA
Filter Plant Effluent	6.6	6.4	7.2	9.8	12.0	13.3	15.4	16.4	17.4	17.7	13.2		12.30	NA
Distribution System	14.1	13.2	13.6	16.8	18.3	20.9	22.4	23.7	22.2	19.6	16.2		18.27	NA
Fluoride, mg/L														
Filter Plant Effluent	0.95	1.02	1.00	0.88	0.69	0.77	0.75	0.83	0.71	0.73	0.75		0.83	2
Aluminum, mg/L														
Filter Plant Effluent	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.03	0.03	0.02	0.02		0.02	0.2*
Iron, mg/L														
Influent from DeHart	0.11	0.06	0.04	0.05	0.07	0.13	0.24	0.42	0.62	0.54	0.44		0.25	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.18	0.23			NA
Filter Plant Effluent	0.02	0.01	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.01		0.02	0.3*
Distribution System	0.07	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.02	0.01		0.01	0.3*
Total Dissolved Solids, mg/L														
Influent from DeHart	15	15	16	16	16	17	17	18	27	19	17		17.63	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	139	137			NA
Filter Plant Effluent	37	34	35	37	39	42	45	51	52	54	46		42.83	500*
Distribution System	39	36	34	38	40	44	46	52	55	78	53		46.82	500*
Total Hardness, mg/L														
Influent from DeHart	8	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	71	85			NA
Filter Plant Effluent	8	8	8	8	8	8	8	8	9	9	9		8.34	NA
Distribution System	10	6	6	6	6	7	7	7	7	20	6		7.90	NA
Orthophosphate, mg/L														
Filter Plant Effluent	1.20	1.24	1.27	1.27	1.20	1.22	1.17	1.24	1.15	1.18	1.15		1.21	0.7 - 1.3*
Distribution System	1.21	1.19	1.12	1.27	1.21	1.18	1.12	1.27	1.19	1.06	1.27		1.19	0.7 - 1.3*
**Total Trihalomethanes, ug/L														
Distribution System	34.2	NA	NA	42.8	NA	NA	57.0	NA	NA	66.8	NA		50.2	80.0
**Total Haloacetic Acids, ug/L														
Distribution System	36.8	NA	NA	48.4	NA	NA	51.4	NA	NA	60.7	42.5		48.0	60.0
Total Organic Carbon, mg/L														
Influent from DeHart	2.16	NA	NA	1.90	NA	NA	2.10	NA	NA	2.00	NA		2.04	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	***	2.20			NA
Filter Plant Effluent	1.22	NA	NA	1.20	NA	NA	1.20	NA	NA	1.20	1.20		1.20	NA
Average Filter Run, Hours	115	112	120	119	112	109	112	113	112	113	112		113.56	NA

*** Not Available at Time of Report

* Values are related to DEP Secondary MCL

** Running Annual Quarterly Average

EXHIBIT B

Water Production Data - 2023

DeHart Withdrawal			River Withdrawal		Total Withdrawal		Treated Water		Process Water		Finished Water	
Month	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	233.562	7.534	0.000	0.000	233.562	7.534	239.964	7.741	6.487	0.210	229.172	7.393
February	202.799	7.243	0.000	0.000	202.799	7.243	210.336	7.513	4.938	0.176	202.279	7.224
March	235.779	7.606	0.000	0.000	235.779	7.606	233.913	7.546	6.770	0.218	223.545	7.211
April	228.546	7.618	0.000	0.000	228.546	7.618	226.774	7.559	10.158	0.339	216.616	7.221
May	225.428	7.272	0.000	0.000	225.428	7.272	232.974	7.515	6.110	0.197	222.530	7.178
June	226.317	7.544	0.000	0.000	226.317	7.544	226.356	7.545	6.117	0.204	215.490	7.185
July	238.920	7.707	0.000	0.000	238.920	7.707	239.368	7.722	5.935	0.191	228.528	7.372
August	235.092	7.584	0.000	0.000	235.092	7.584	240.323	7.752	6.166	1.199	248.488	8.016
September	219.933	7.331	0.000	0.000	219.933	7.331	222.412	7.413	5.979	0.199	212.208	7.073
October	192.132	6.198	30.960	3.440	223.092	7.197	231.371	7.464	6.189	0.200	220.329	7.107
November	209.208	6.974	16.080	3.216	225.288	7.510	219.329	7.311	6.045	0.202	207.898	6.930
December												
Total	2447.716		47.040		2494.756		2523.120		70.894		2427.083	
Average	222.520	7.328	4.276	0.605	226.796	7.468	229.375	7.553	6.445	0.303	220.644	7.265

Peak Day Water Use
Minimum Day Water Use

(MG) = Million Gallons
(MGD) = Million Gallons per Day

EXHIBIT C

Rainfall at the DeHart Reservoir - 2023
(inches)

Date	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
2023 Total	2.70	1.09	2.93	3.71	2.63	3.85	7.85	2.66	5.00	2.07	2.50		36.99
Daily Average	0.087	0.039	0.095	0.124	0.085	0.128	0.253	0.086	0.166	0.067	0.083		1.213
Ten Year Average	3.028	2.558	3	3.672	4.531	4.518	5.576	3.831	4.589	3.931	2.544	3.002	44.78
2022 Total	2.74	3.14	1.67	5.03	6.55	5.84	2.16	2.67	4.16	3.43	2.94	6.63	46.96

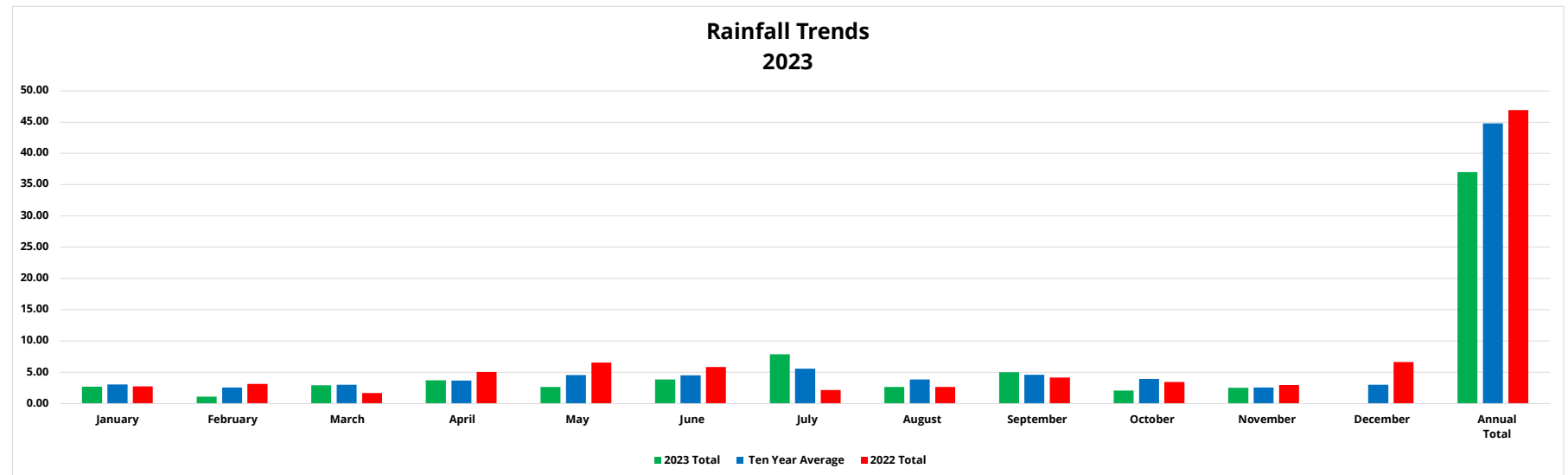


EXHIBIT D

Water Level at the DeHart Reservoir - 2023
(Inches from Spillway)

Date	January	February	March	April	May	June	July	August	September	October	November	December
2023 AVG	-162.9	-58.6	-98.7	1.1	1.8	-10.0	-20.1	-32.3	-49.3	-55.9	-67.1	
Ten Year AVG	-22.6	-19.4	-19.5	-8.0	-2.1	-2.9	-7.2	-18.1	-26.2	-39.1	-44.5	-42.5
2022 AVG	1.9	3.1	3.2	4.6	4.1	7.2	-12.1	-34.1	-48.5	-68.9	-80.6	-58.9

**DeHart Reservoir Water Level Trends
2023**

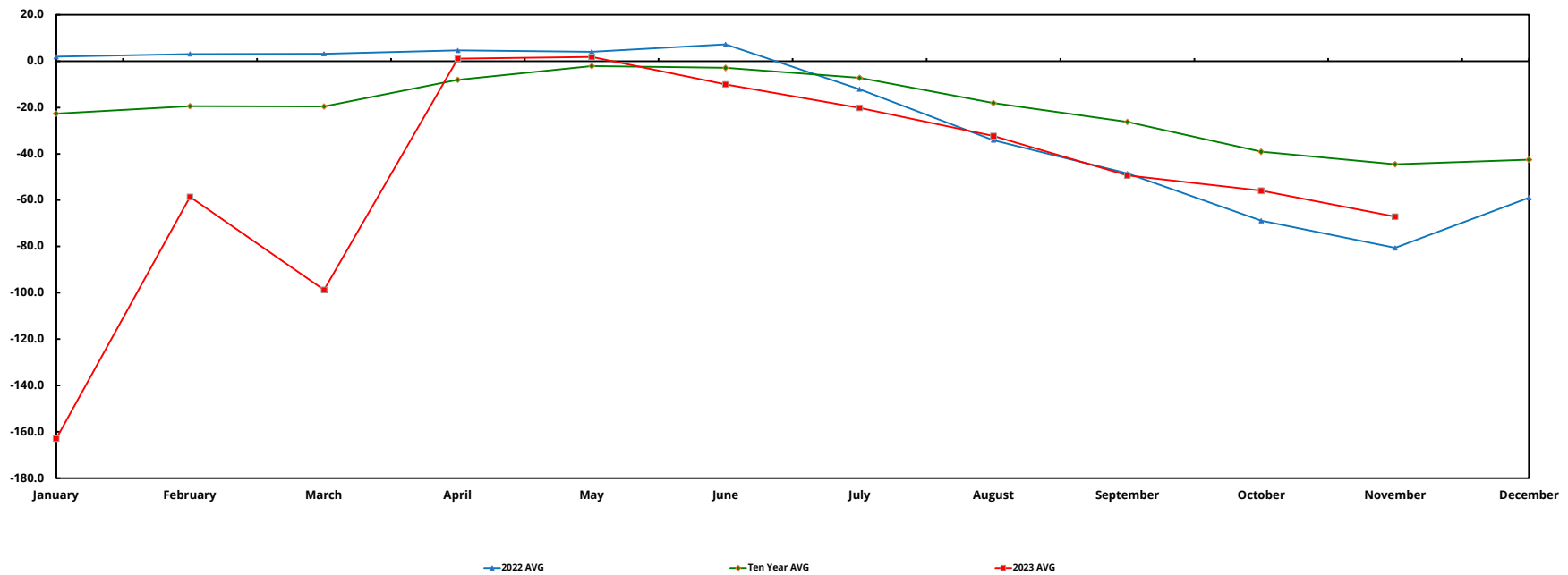


EXHIBIT E

Daily Conservation Release - 2023

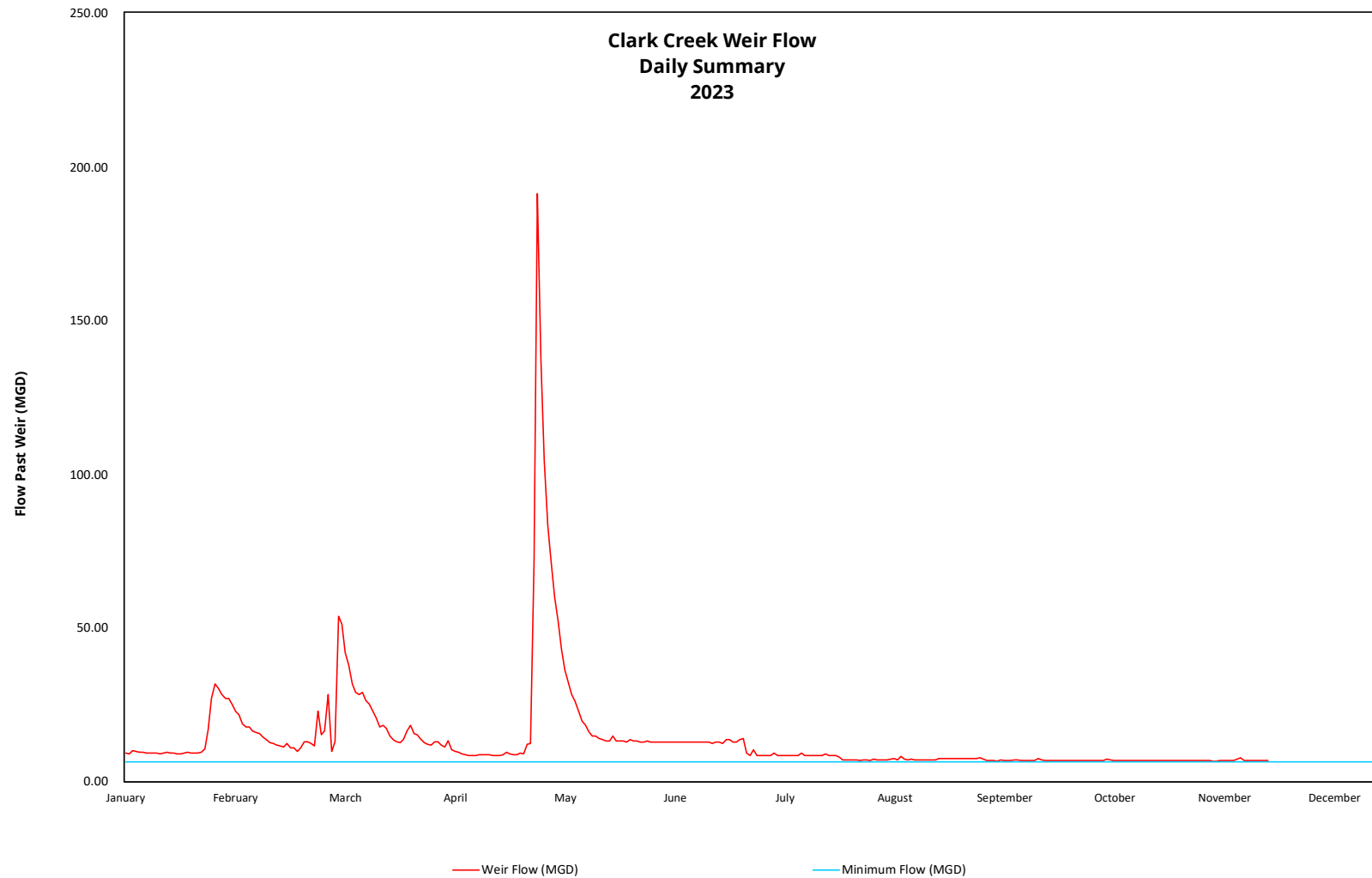


EXHIBIT F
Utility Usage - 2023

Location / Utility	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Water Services Center														
Electric Transmission														
Total, kWh	214,200	172,800	198,000	174,600	122,400	135,000	127,800	135,000	196,200	187,200			166,320	1,663,200
Cost, Dollars	\$16,812.87	\$8,947.67	\$10,245.05	\$9,131.12	\$7,335.72	\$8,306.81	\$8,063.86	\$8,273.09	\$10,790.55	\$9,932.85			\$9,783.96	\$97,831.59
Electric Generation														
Total, kWh	214,200	172,800	198,000	174,600	122,400	135,000	127,800	135,000	196,200	187,200	178,200		167,400	1,841,400
Cost, Dollars	\$1,253.64	\$1,180.73	\$1,168.47	\$1,159.78	\$981.51	\$1,058.66	\$870.88	\$1,037.51	\$1,101.23	\$1,085.38	\$1,064.97		\$1,087.52	\$11,962.76
Natural Gas														
Total, Cu Ft	13,533	13,229	11,509	8,795	1,475	1,920	1,604	1,514	1,514	1,898	4,738		5,612	61,729
Cost, Dollars	\$12,244.94	\$11,133.40	\$9,875.88	\$8,238.84	\$1,838.65	\$1,880.96	\$1,852.79	\$1,490.85	\$1,519.21	\$2,011.46	\$4,557.74		\$5,149.52	\$56,644.72
Sewer														
Total, Gal	7,710,000	6,070,000	7,288,000	7,213,000	6,490,000	7,000,000	6,498,000	6,609,000	7,100,000	6,817,000			6,879,500	68,795,000
Cost, Dollars	\$71,240.40	\$56,086.80	\$67,341.12	\$66,359.60	\$59,967.60	\$64,680.00	\$60,041.52	\$61,067.16	\$65,604.00	\$62,989.08			\$63,537.73	\$635,377.28
Refuse														
Cost, Dollars	\$967.70	\$967.70	\$967.70	\$967.70	\$967.70	\$967.70	\$967.70	\$967.70	\$967.70	\$967.70	\$967.00		\$967.64	\$10,644.00
Reservoir Park Pump Station														
Electric Transmission														
Total, kWh	88,000	92,400	85,600	93,200	93,200	80,800	82,800	89,200	88,800	82,000			87,600	876,000
Cost, Dollars	\$3,704.13	\$3,935.15	\$3,650.18	\$3,737.99	\$3,808.93	\$3,292.40	\$3,201.41	\$3,565.72	\$3,483.68	\$3,451.66			\$3,583.13	\$35,831.25
Electric Generation														
Total, kWh	88,000	92,400	85,600	93,200	93,200	82,800	89,200	88,800	88,800	**			87,600	700,800
Cost, Dollars	\$1,350.22	\$1,214.10	\$1,215.18	\$1,292.31	\$1,417.70	\$1,323.10	\$1,465.66	\$1,456.76	**	**			\$1,341.88	\$10,735.03
Natural Gas														
Total, Cu Ft	982	629	473	466	9	0	0	0	0	39	238		258	2,836
Cost, Dollars	\$903.79	\$626.39	\$509.26	\$456.90	\$36.03	\$28.36	\$28.36	\$28.36	\$28.36	\$71.69	\$246.34		\$269.44	\$2,963.84
Susquehanna River Pump Station														
Electric Transmission														
Total, kWh	1,200	1,200	600	1,200	600	1,200	1,200	600	1,200				1,000	9,000
Cost, Dollars	\$20.90	\$67.18	\$46.15	\$72.56	\$52.12	\$67.11	\$74.62	\$52.25	\$81.74				\$59.40	\$534.63
Electric Generation														
Total, kWh	1,200	1,200	600	**	600	1,200	1,200	600	1,200	42,600			5,600	50,400
Cost, Dollars	\$98.68	\$71.83	\$70.50	**	\$70.69	\$72.82	\$103.45	\$70.92	\$95.75	\$730.39			\$153.89	\$1,385.03
Natural Gas														
Total, Cu Ft	580	499	499	389	53	2	0	0	0	84			211	2,106
Cost, Dollars	\$543.32	\$515.95	\$524.07	\$378.07	\$75.04	\$30.13	\$28.36	\$28.36	\$28.36	\$105.83			\$225.75	\$2,257.49
Union Square Booster Station														
Electric Transmission														
Total, kWh	3,340	2,744	2,483	1,559	744	441	522	566	338				1,415	12,737
Cost, Dollars	\$305.46	\$132.56	\$138.65	\$118.51	\$52.69	\$43.91	\$46.96	\$52.98	\$43.12				\$103.87	\$934.84
Electric Generation														
Total, kWh	3,340	2,744	2,483	1,559	380	441	522	566	338	779			1,315	13,152
Cost, Dollars	\$130.77	\$113.42	\$101.36	\$95.50	\$81.60	\$70.49	\$70.68	\$70.81	\$77.75	\$86.70			\$89.91	\$899.08
DeHart Facilities														
Electric Transmission														
Total, kWh	3,131	2,289	2,308	2,945	2,396	1,346	2,137	2,362	**	1,675			2,288	20,589
Cost, Dollars	\$168.70	\$167.37	\$165.82	\$158.03	\$134.07	\$94.26	\$120.70	\$124.46	**	\$95.90			\$136.59	\$1,229.31
Electric Generation														
Total, kWh	3,131	2,289	2,308	2,945	2,396	1,346	2,137	2,307	2,257	1,675	2,284		2,280	25,075
Cost, Dollars	\$102.80	\$83.69	\$161.05	\$63.55	\$89.12	\$84.90	\$104.57	\$85.27	\$96.51	\$90.42	\$92.38		\$95.84	\$1,054.26
Fuel Oil														
Total, Gals.	2,251	0	0	0	0	0	1,370	0	0	0	0		329	3,621
Cost, Dollars	\$5,768.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,232.03	\$0.00	\$0.00	\$0.00	\$0.00		\$1,000.00	\$11,000.03
City Island Heat Trace														
Electric Transmission														
Total, kWh	40	140	147	116	0	0	0	0	0	0			44	443
Cost, Dollars	\$7.57	\$16.44	\$9.59	\$8.42	\$4.36	\$11.70	\$2.74	\$3.77	\$0.00	\$4.42			\$6.90	\$69.01
Electric Generation														
Total, kWh	40	140	147	116	0	0	0	0	0	0			44	443
Cost, Dollars	\$61.81	\$61.93	\$119.36	\$61.83	\$61.47	\$61.44	\$61.39	\$61.39	\$61.36	\$61.29			\$67.33	\$673.27
Expenditures YTD													\$87,660	\$882,035

** Not available at time report was developed

Total Transmission	\$136,439
Total Generation	\$26,709
Total Refuse	\$10,644
Total Gas	\$61,866
Total Sewer	\$635,377
Total Fuel Oil	\$11,000
Total Utilities	\$871,391

Exhibit G

Hydro-Turbine Generator Performance - 2023

Month	Kilowatt-hour (KWH)	Anticipated Savings *
January (Out of Service)	0	\$0
February (Out of Service)	0	\$0
March (Out of Service)	0	\$0
April	38,680	\$5,725
May	57,840	\$8,560
June	72,100	\$10,671
July	57,020	\$8,439
August	38,300	\$5,668
September	0	\$0
October	80	\$12
November	18,410	\$2,725
December		
Average	25,675	\$3,800
Year to Date	282,430	\$41,800

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

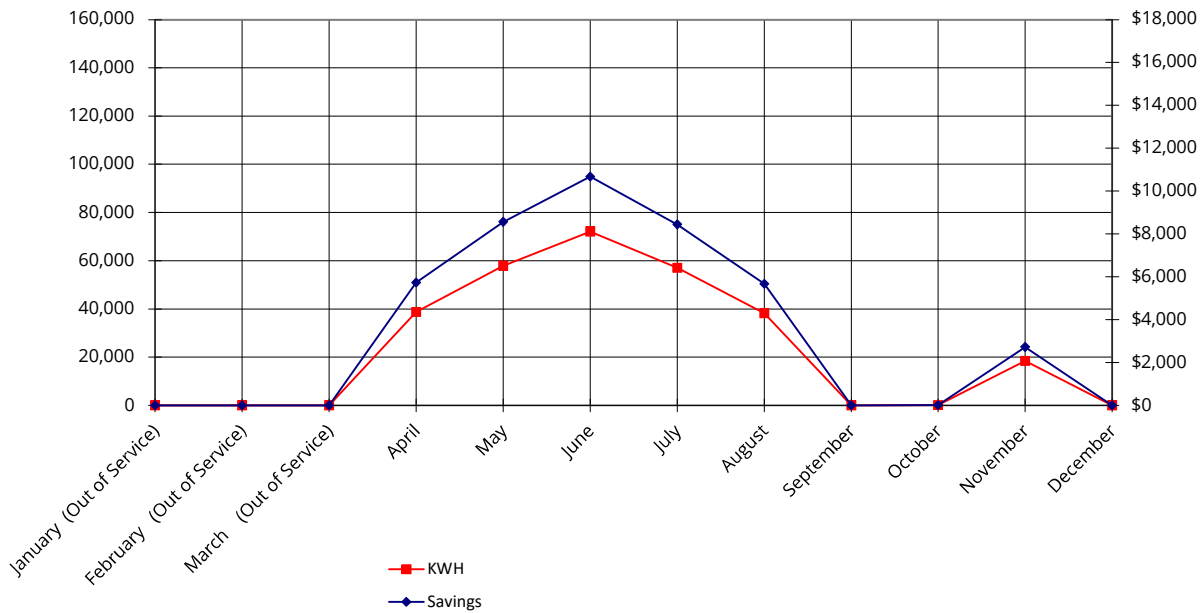


EXHIBIT H
Treatment Chemical Usage - 2023

Chemical	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Chlorine														
Total Lbs.	6,294	5,518	5,991	5,949	6,112	5,938	6,279	6,117	5,834	6,069	5,636		5,976	65,737
Average, Chlorine Lbs./Day	203	197	193	198	197	198	203	197	194	195	188		196.6	
Average, Chlorine Dose, mg/L	6.9	1.6	2.6	3.2	3.4	3.2	3.1	3.2	3.1	3.1	2.0		3.2	
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		1.6	
Chlorine Total Cost, Dollars	\$10,316	\$9,044	\$9,819	\$9,750	\$10,018	\$9,732	\$10,291	\$10,026	\$9,562	\$9,947	\$9,237		\$9,794.79	\$107,742.72
Alum 48.5%														
Total Lbs.	26,829	16,763	19,163	21,756	20,615	19,942	19,413	19,606	18,709	24,880	19,040		20,611	226,716
Average, Alum, Lbs./Day	866	599	618	725	665	664	626	632	623	803	635		677.8	
Average, Alum, mg/L	10.7	7.7	12.0	11.8	11.0	10.4	10.0	10.0	10.2	14.2	10.1		10.7	
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		0.1	
Alum Total Cost, Dollars	\$3,246	\$2,028	\$2,319	\$2,632	\$2,494	\$2,413	\$2,349	\$2,372	\$2,264	\$3,010	\$2,304		\$2,493.79	\$27,431.70
Lime														
Total Lbs.	0	0	0	0	0	0	0	0	0	0	0		0	0
Average Lime, Lbs./Day	0	0	0	0	0	0	0	0	0	0	0		0.0	
Average, Lime 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		0.0	
Lime Cost, \$/Lbs.	\$0.86	\$0.86	\$0.86	\$0.86	\$0.86	\$0.86	\$0.86	\$0.86	\$0.86	\$0.86	\$0.86		\$0.86	
Lime 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
Soda Ash														
Total Lbs.	17,400	12,350	13,050	13,650	17,400	20,350	23,950	23,803	27,590	25,400	15,550		19,136	210,493
Average Soda Ash, Lbs./Day	561	441	421	455	561	678	772	767	919	819	518		628.4	
Average, Soda Ash Dose, mg/L	19.2	13.5	19.0	7.2	9.0	10.8	12.0	12.1	15.0	15.8	8.3		12.9	
Soda Ash Cost, \$/Lbs.	\$0.368	\$0.368	\$0.368	\$0.368	\$0.368	\$0.368	\$0.368	\$0.368	\$0.368	\$0.368	\$0.368		0.4	
Soda Ash Total Cost, Dollars	\$6,403	\$4,545	\$4,802	\$5,023	\$6,403	\$7,489	\$8,814	\$8,760	\$10,153	\$9,347	\$5,722		\$7,041.91	\$77,461.02
Fluoride														
Total Lbs.	2,240	1,965	1,965	1,660	1,167	1,133	1,198	1,167	1,112	1,158	1,098		1,442	15,863
Average, Fluoride Lbs./Day	72	70	63	55	38	38	38	37	37	37	37		47.4	
Average, Fluoride (F-) Dose, mg/L	1.1	1.1	1.0	0.9	0.6	0.7	0.7	0.7	0.6	0.6	0.6		0.8	
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	
Fluoride Total Cost, Dollars	\$672	\$590	\$590	\$498	\$350	\$340	\$359	\$350	\$334	\$347	\$329		\$432.72	\$4,759.90
Sodium Hydroxide 50%														
Total NaOH 50% dry Lbs.	35,623	31,225	33,907	33,665	34,585	33,603	35,534	17,449	36,912	35,647	36,519		33,152	364,669
Average NaOH 50%, dry Lbs./Day	1,149	1,115	1,094	1,122	1,116	1,120	1,146	562	1,230	1,150	1,217		1,093	
Average, NaOH 50%, mg/L	19.2	15.7	19.2	8.9	8.8	8.9	8.9	8.9	19.9	18.5	20.0		14.3	
NaOH 50% Cost, dry \$/Lbs	\$0.450	\$0.450	\$0.450	\$0.450	\$0.450	\$0.450	\$0.450	\$0.450	\$0.450	\$0.450	\$0.450		0.5	
NaOH 50% Total Cost, Dollars	\$16,030	\$14,051	\$15,258	\$15,149	\$15,563	\$15,121	\$15,990	\$7,852	\$16,610	\$16,041	\$16,434		\$14,918.20	\$164,100.15
Zinc Orthophosphate														
Total Zn3(PO4)2, wet Lbs.	4,802	4,239	4,565	4,539	4,559	4,246	4,788	4,669	4,446	4,616	4,356		4,530	49,825
Average Zn3(PO4)2, wet Lbs./Day	155	151	147	151	147	142	154	150	148	148	145		148.9	
Average, Zn3(PO4)2 Dose, mg/L	2.5	2.5	2.5	2.5	2.5	2.4	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		1.7	
Zn3(PO4)2 Total Cost, Dollars	\$8,279	\$7,308	\$7,870	\$7,825	\$7,860	\$7,320	\$8,255	\$8,049	\$7,665	\$7,958	\$7,510		\$7,808.93	\$85,898.25
Potassium Permanganate														
Total KMnO4, Lbs.	0	0	0	0	0	0	0	0	0	496	195		63	691
Average KMnO4, Lbs./Day	0	0	0	0	0	0	0	0	0	62	39		9.2	
Average, KMnO4 Dose, mg/L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3		0.0	
KMnO4 Cost, \$/Lbs.													#DIV/0!	
KMnO4 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
Expenditure														
Average Treated Cost per (MG)													\$42,490.34	\$467,393.75
Total Treated Flow (MGD)														0.000
Average Treated Flow (MGD)														229.375

EXHIBIT I

DISTRIBUTION DEPARTMENT ACTIVITIES - 2023

Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	Average
PA One Call Locates	501	430	550	520	497	485	546	523	492	521	502		5,567	506
Street Restorations	0	0	7	1	15	6	1	0	0	1	N/A		31	3
Leak Detection Assessment Percent of Distribution System	8	8	8	8	8	8	8	8	8	8	8		88	8
Main Break Repair - Detected Non-Surfacing	0	0	0	0	0	0	0	0	0	2	0		2	0
Main Breaks Repaired - Emergency	2	1	1	0	1	3	1	1	0	2	0		12	1
Service Line Leaks Detected	0	0	0	0	0	0	0	0	0	0	0		0	0
Service Line Leaks Repaired	1	0	10	7	4	2	6	7	4	7	5		53	5
Valves - Exercised	0	0	0	21	1	0	55	88	60	71	33		329	30
Valves - Replaced	0	0	0	0	0	0	1	3	0	0	0		4	0
Hydrant Flow Tests	0	8	1	2	7	6	4	1	1	2	0		32	3
Hydrants Returned to Service	0	0	0	0	1	2	2	0	0	0	1		6	1
Water Tap - Disconnected	2	0	11	13	4	0	6	1	0	4	3		44	4
Water Tap - New Connection	2	0	0	0	0	0	5	0	2	1	0		10	1
Water Shutoffs - Delinquent Accounts	0	0	0	0	0	0	0	0	0	0	0		0	0
Water Shutoffs - Other	24	11	21	62	48	56	56	31	46	36	30		421	38
Water Shutoffs - Non Payment	0	0	21	41	31	43	42	37	30	24	13		282	26
Water Restoration Turn on Other	24	22	23	33	23	55	41	19	42	33	36		351	32
Water Turn on - Non Payment	0	1	6	24	4	38	21	19	24	0	19		156	14



EXHIBIT J

Metering Activities - 2023

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	6	3	4	5	7	6	1	6	9	7	5		59	5
	Leaking	2	3	2	5	2	2	2	0	0	2	1		21	2
	Frozen	20	4	3	1	1	1	0	0	1	2	0		33	3
	Non-registering	6	6	9	4	8	10	16	10	9	4	7		89	8
	Large Meters ¹	0	0	0	0	0	0	0	0	0	0	0		0	0
New Service	New Installation	2	0	0	0	0	0	0	0	0	0	5		7	1
Meter Service															
MXU's Replaced	MXU's Replaced	47	43	40	22	34	66	34	40	36	24	22		408	37
Batteries Replaced	Batteries Replaced	45	323	113	65	80	134	75	67	48	44	56		1050	95
Meter Pits Serviced	Meter Pits Serviced	0	0	0	0	1	0	0	0	0	0	0		1	0
Meter Calibrations															
Small Meters ²	Calibrated meters	0	0	0	0	0	0	0	1	0	0	0		1	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) - 2023

Category of Water Use	Description	Jan	Feb	Mar	APR	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	Average
Process Water	Process Water	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A
Billed Metered Exported	Bulk Water Hauling	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A
Billed Metered	Hydrant Connections	0	0	113,557	4,500	407	448	11,883	0	1,494	495	0		132,784	12,071
Billed Unmetered	Hydrant Flow Tests	0	12,300	4,000	4,305	14,094	14,304	9,450	12,200	11,600	36,450	39,640		158,343	14,395
Unbilled Unmetered	Hydrant Flushing (and Unbilled Authorized)	48,449	51,011	40,285	3,479,672	5,975,003	39,060	277,818	34,248	138,253	103,605	0		10,187,404	926,128
Leakage on Distribution Mains	Main Leaks	1,318,637	2,836,746	95,144	0	109,685	383,537	370,363	19,274	0	2,940,797	0		8,074,183	734,017
Leakage on Service Lines	Service Leaks	2,321,113	41,760	568,560	135,444	95,040	17,280	312,960	241,920	80,640	20,160	1,031,202		4,866,079	442,371
	Total	3,688,199	2,941,817	821,546	3,623,921	6,194,229	454,629	982,474	307,642	231,987	3,101,507	1,070,842		23,418,793	2,128,981



Wastewater





WASTEWATER DEPARTMENT MONTHLY REPORT



Tour group during the 2023 CPWQA Trade Fair.

November 2023

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

Overview

The Wastewater department wrapped up its budget efforts in November by preparing for the November 15th budget presentation before ultimate passage by the Board on November 21st.

The Contract Waste Hauling program continued its impressive march throughout the month by eclipsing the previous annual revenue record of \$853,000 in 2019. Sitting at \$905,000 through the first 11 months of 2023, this program has a realistic chance of hitting the \$1 million mark for the first time.

Operations

During the month of November, the AWTF met all monthly average NPDES requirements. One Dry Weather Overflow (DWO) and one Sanitary Sewer Overflow (SSO) were reported. The SSO occurred on November 3rd at the AWTF when an electrical equipment failure caused a power loss to the lower end of the facility and prevented pumping of flow through the secondary treatment process. As a result, flow continued entering the facility from the pump stations and caused the primary clarifiers to surcharge, spilling some flow onto the plant grounds. The overflow ceased when an emergency electrical contractor arrived and eliminated the fault condition.

All affected areas were promptly cleaned following the event. DEP was notified of the situation immediately and a written report was provided in the following days.

Hydraulic loading to the AWTF averaged 15.2 million gallons per day (MGD) during the month. The treatment process achieved removal reductions of 98.4 percent CBOD, 97.5 percent Suspended Solids, 53.7 percent Phosphorus, and 98.3 percent Ammonia (Exhibit A).

The Contract Waste Hauling program collected \$126,736.00 in revenue from 2,001,610 gallons discharged (Exhibit G). Modern Landfill continues to drive revenue even as other leachate sources have decreased their operations.

The Cogeneration facility experienced a run time of 26 percent in November. Revenue is estimated at \$5,044.84 on 34,200 kilowatt-hours generated for the month. The low runtime was due to the unit being out of service due to mechanical issues.

Laboratory

- Lab staff are working hard to continue the second round of compliance sampling at all our Industrial Users to ensure pretreatment limits are being met.

- Work with Kemira continues with weekly testing on additional analytes for the PFA pilot (BOD, CBOD, TSS, TP, Ammonia).
- Quarterly local limits testing on influent and effluent wastewater was performed to ensure we are operating within our NPDES permit limits. Additionally, annual Form 43 testing on biosolids and grit was conducted to renew permits for offsite disposal.

Pretreatment

- Five of the eight facility inspections were conducted in November with the remaining three to be conducted in December. These inspections are important to make sure pretreatment plants are functioning properly, being maintained well, and an opportunity to enhance relationships with Industrial Users.
- Continued guidance is being given to Durabond in Steelton as they navigate toward a decision to become an Industrial User by discharging process wastewater into the sanitary sewer or capture and dispose of offsite.
- Reviewed and commented on new NPDES permit draft as it pertains to pretreatment and laboratory daily functions.

Plant Maintenance

- Installed a cylinder security cabinet for the 150-lb. chlorine cylinders for security at the Chlorine building.
- Installed new cooling tower recirculation pump at the Chemical Storage building.
- Installed air release valves on Sewage Pump Nos. 1 and 2 at the Front Street Pump Station.
- Awaiting new drive assembly for screw auger at the Hydrogritter.
- Serviced standby generator full load test at Market and Spring Creek Pump Stations.
- Installed new door closures on penthouse door at the Primary Digester.
- Pumped, cleaned, and serviced sludge mechanism on Primary Tank No. 2.
- Continuing electrical upgrades for Primary Clarifier Nos. 3 and 4.
- Serviced failed bar-screen overload at the Spring Creek Pump Station.
- Repaired handrails attached to concrete at the Thickener Pump Station.
- Performed vehicle repairs in preparation for state inspections.
- Provided weekly maintenance on JCB loader.
- Performed daily service for vehicular related repairs: bulbs, batteries, tires, A/C, lube oil and filters, and flat tires.
- Performed maintenance tasks per requests at Administrative Offices.

Field Construction

- Repaired 16 inlets in various locations throughout the city.
- Blanked five inlets in various locations throughout the city to combat trash from entering the system.
- Installed a flow meter at Front and Woodbine Streets.
- Replaced an inlet box at 20th and Mulberry Streets with a new pre-cast box and M-top.
- Moved and buried suction/discharge lines of bypass pump at 22nd and Kensington Streets. This allowed the road to be reopened for the winter.

Field Operations

- Performed CCTV assessment of 6,895 feet (1.3 miles) of pipe.
- Flushed 703 feet (0.13 miles) of sewer pipe.
- Responded to ten backup and overflow calls with none the responsibility of CRW.
- Responded to six sinkhole calls. CRW was responsible for one.
- Cleaned 112 stormwater inlets.
- Inspected 109 stormwater inlets.
- One Dry Weather Overflow (DWO) occurred this month at CSO #052 at Front and State Streets. The overflow resulted from a large blockage of grease. FOG contributors in the sewershed were visited but all remain in full compliance.
- Monitoring 22nd and Kensington site and fueling bypass pump daily.
- Monitoring the Front and Cumberland site and fueling bypass pump daily.
- Performed CCTV assessment on Wiconisco Street for upcoming project.
- Completed one final semi-annual CSO PM.
- Performed CCTV assessment of several sewer laterals for upcoming 2024 Sewer Rehabilitation project.
- Performed CCTV assessment at Front and Chestnut Streets for Rogele.
- Washed down streets at plant due to power outage.

Environmental Compliance

- Completed 20 inspections of FOG dischargers. Inspection will continue through the end of the year.
- Continue to self-educate on the FOG program regarding temporary responsibilities.
- Gaining familiarity with illicit discharge inspections as they arise.
- Ensuring former vendors of the Broad Street Market have proper installation of grease traps and interceptors as they relocate to the temporary tent building. Spoke with the Director of Market and he will be advising on the status of businesses on a month-to-month basis.

Street Sweeping

- There were no complaints this month.
- Completed 617.52 miles of scheduled street sweeping within the City of Harrisburg.
- Water usage was approximately 3,800 gallons this month.
- Replaced hydraulic motors for gutter brooms on Sweepers Nos.1 and 3.
- Replaced hydraulic line for hopper on Sweeper No. 3.
- Continued to assist cleaning storm inlets in scheduled sweeping areas.
- Attended Green Stormwater Infrastructure (GSI) meetings.
- When the days of the month fall on a fifth week, there is no scheduled sweeping. CRW did not perform any unscheduled sweeping in the month of November.



Wastewater Exhibits

EXHIBIT A

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Process Control - 2023

Parameters	January	February	March	April	May	June	July	August	September	October	November	December	Average	NPDES Limits
Volume, MGD	22.0	16.8	19.3	19.1	20.3	16.2	21.0	16.0	17.8	15.7	15.2		18.1	37.7
Carbonaceous Biochemical Oxygen Demand														
Influent, mg/L	97	139	114	198	165	193	145	161	160	162	185		156	-----
Effluent, mg/L	4	3	4	4	3	3	3	3	3	3	3		3	25
Percent Removal, %	95.6	97.4	96.7	98.3	98.1	98.2	97.7	98.2	97.1	98.3	98.4		97.6	-----
Effluent Loading, lb/d	681	469	596	821	507	470	582	393	488	377	431		529	7,860
Suspended Solids:														
Influent, mg/L	156	222	173	187	175	212	168	185	180	176	198		185	-----
Effluent, mg/L	8	3	3	4	4	6	4	4	6	5	5		5	30
Percent Removal, %	95.0	98.5	98.1	96.6	97.5	96.8	97.2	97.6	96.3	96.9	97.5		97.1	-----
Effluent Loading, lb/d	1,447	412	582	1,043	660	954	827	588	958	717	711		809	9,433
Nitrogen														
Total-N														
Influent, mg/L	26	33	26	30	26	30	23	24	24	29	36		28	-----
Effluent, mg/L	5.0	4.0	5.7	4.3	3.7	5.2	4.5	3.1	6.3	9.0	13.4		6	Monitor
Percent Removal, %	80.5	87.9	78	85.6	85.5	82.8	80.3	87.0	73.8	69.1	62.9		79.4	-----
Effluent Loading, lb/d	993	548	846	652	861	717	730	542	942	1,076	1,429		849	-----
NH3-N														
Influent mg/L	17	21	17	16	13	15	12	14	15	17	18		16	-----
Effluent, mg/L	1.9	1.2	1.4	1.6	0.4	1.1	0.5	0.9	0.3	0.3	0.3		1	11 (2)
Percent Removal, %	88.5	94.3	91.8	89.7	97.0	92.6	95.9	93.8	98.0	98.2	98.3		94.4	-----
Effluent Loading, lb/d	359	168	248	258	74	150	86	118	53	39	51		146	4,716
Phosphorus:														
Influent, mg/L	2.9	4.2	3.5	3.8	3.5	4.0	3.1	3.6	3.6	3.6	3.8		3.6	-----
Effluent, mg/L	0.8	1.6	1.2	1.6	1.4	1.6	1.7	1.6	1.6	1.6	1.6		1.5	2.0
Percent Removal, %	70.3	61.3	64.4	55.6	59.0	58.1	43.5	52.8	52.8	54.7	53.7		56.9	-----
Effluent Loading, lb/d	152	222	194	237	215	223	301	220	218	210	457		241	629
pH:														
Influent, Std. Units	7.4	7.3	7.3	7.3	7.4	7.4	7.4	6.8	7.4	7.5	7.5		7.3	-----
Effluent, Std. Units	7.4	7.4	7.4	7.4	7.5	7.5	7.4	7.6	7.5	7.5	7.5		7.5	6.0 - 9.0
Dissolved Oxygen:														
Effluent Minimum, mg/L	8.0	8.8	7.8	8.3	7.6	6.5	6.1	7.2	6.7	7.0	8.1		7.5	5.0 Min.
Fecal Coliform:														
Effluent, No./100 ml	25	3	5	3	2	2	4	7	11	217	284		51	200/100 ml (1)
Chlorine Residual:														
Effluent, mg/L	0.22	0.18	0.20	0.22	0.43	0.44	0.45	0.37	0.39	0.39	0.39		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 - 2023

Total				City Regions					Suburb Regions					Total Precip
Month	Flow	City	Suburbs	1	2	3	4	5	6	7	8	9	10	inches
January	22.000	8.622	13.378	8.110	0.192	0.300	-0.160	0.180	1.400	5.280	2.208	4.060	0.430	2.450
February	16.800	6.480	10.320	5.480	0.150	0.300	0.410	0.140	1.200	3.950	1.720	3.100	0.350	1.010
March	19.300	7.696	11.604	6.670	0.176	0.300	0.390	0.160	1.300	4.250	2.024	3.670	0.360	2.560
April	19.100	8.076	11.024	7.140	0.166	0.300	0.270	0.200	1.300	4.130	1.914	3.320	0.360	5.890
May	20.300	8.151	12.149	6.780	0.191	0.300	0.600	0.280	1.500	4.320	2.199	3.730	0.400	0.200
June	16.200	5.883	10.317	5.130	0.173	0.300	0.130	0.150	1.300	3.820	1.987	2.900	0.310	4.250
July	21.000	7.382	13.618	6.740	0.212	0.300	(0.060)	0.190	1.400	4.770	2.438	3.970	1.040	6.380
August	16.000	5.979	10.021	5.120	0.139	0.300	0.280	0.140	1.300	3.680	1.601	3.080	0.360	2.230
September	17.800	7.246	10.554	6.120	0.156	0.300	0.460	0.210	1.300	3.730	1.794	3.260	0.470	5.800
October	15.700	5.515	10.185	5.040	0.145	0.300	(0.120)	0.150	1.200	3.970	1.665	2.980	0.370	2.330
November	15.200	5.233	9.967	4.490	0.153	0.300	0.150	0.140	1.200	3.710	1.757	2.970	0.330	2.720
December														
Average	18.13	6.93	11.19											3.26
Percent	100.00	38.25	61.75											35.82

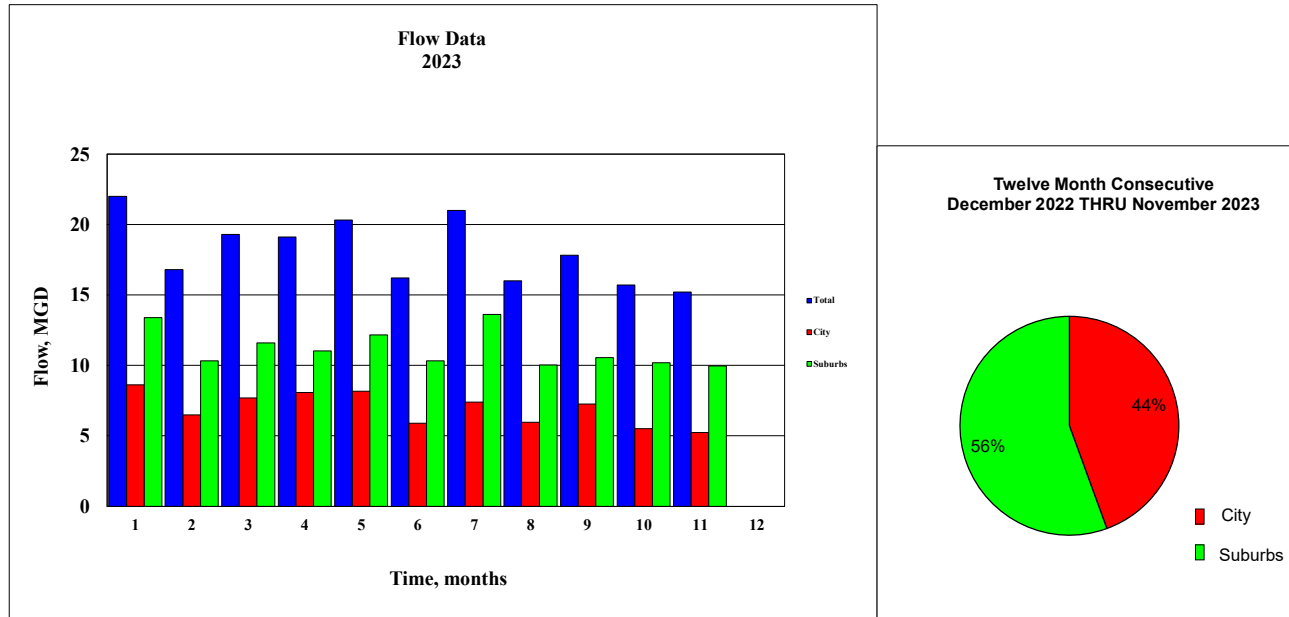


EXHIBIT C

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Treatment Utility and Chemical Usage - 2023

Utility / Chemical	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Electric														
Total, kWh	1,158,900	1,028,400	1,033,800	1,089,000	994,800	977,100	1,103,700	1,016,400	963,600	1,115,700	1,034,700		1,046,918	11,516,100
Average, kWh/Day	37,384	36,729	33,348	36,300	32,090	32,570	35,603	32,787	32,120	35,990	34,490		34,492	-----
Cost, Dollars	\$98,628.52	\$60,520.22	\$60,192.18	\$63,307.22	\$59,395.55	\$58,647.46	\$65,379.99	\$59,269.04	\$56,654.02	\$62,160.72	\$61,689.29		\$64,167.66	\$705,844.21
Natural Gas														
Total, Cu Ft	621.9	554.8	287.6	27.4	0.8	0.6	0.1	1.1	0.3	145.7	*		149	1,640
Average, Cu Ft/Day	20	20	9	1	0	0	0	0	0	5	*		5	-----
Cost, Dollars	\$6,237.14	\$5,423.45	\$3,026.40	\$377.30	\$147.32	\$147.14	\$142.69	\$151.59	\$146.22	\$1,548.85	*		\$1,577.10	\$17,348.10
Water														
Total, Gal.	1,187,000	1,298,000	928,000	977,000	932,000	1,218,000	1,020,000	946,000	851,999	936,000	*		1,029,400	10,293,999
Average, Gal./Day	38,290	46,357	29,935	32,567	30,065	40,600	32,903	30,516	28,400	30,194	*		33,983	-----
Cost, Dollars	\$15,616.58	\$16,764.32	\$12,938.52	\$13,445.18	\$12,979.88	\$15,937.12	\$13,889.80	\$13,124.64	\$12,152.67	\$13,021.24	*		\$12,715.45	\$139,869.95
MicroC														
Total, Gal.	0	0	0	0	258	0	0	0	0	0	0		23	258
Average, Gal./Day	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0		1	-----
Cost, Dollars	\$0	\$0.00	\$0	\$0	\$1,029	\$0	\$0	\$0	\$0	\$0	\$0		\$93.58	\$1,029.42
Sodium Hydroxide														
Total, Gal.	0	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	0		0	-----
Cost, Dollars	0	0	0	0	0	0	0	0	0	0	0		\$0.00	\$0.00
Chlorine Disinfection														
Total, Lbs.	13,115	5,973	6,830	5,240	10,940	8,630	11,170	8,309	10,055	6,530	5,940		8,430	92,732
Average, Lbs./Day	423	223	220	175	353	288	360	268	335	210	198		278	-----
Avg Residual, mg/L	0.22	0.18	0.20	0.22	0.43	0.44	0.45	0.39	0.39	0.39	0.39		0.34	-----
Cost, \$/Lbs.	\$1.64	\$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	\$21,508.60	\$9,795.72	\$11,201.20	\$8,593.60	\$17,941.60	\$14,153.20	\$18,318.80	\$13,626.76	\$16,490.20	\$10,709.20	\$9,741.60		\$13,825.50	\$152,080.48
Phosphorous Removal														
Total FeCl3, Gals.	3,113	2,950	3,113	3,589	4,429	3,156	4,231	4,997	5,263	6,072	3,208		4,011	44,121
Avg FeCl3, Gals./Day	100	105	100	120	143	105	136	161	175	196	107		132	-----
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		\$1.74	-----
FeCl3 Total Cost, Dollars	\$5,416.97	\$5,133.00	\$5,416.62	\$6,244.86	\$7,706.46	\$5,491.44	\$7,361.94	\$8,694.78	\$9,157.62	\$10,565.28	\$5,581.92		\$6,979.17	\$76,770.89

* No data at time of report

EXHIBIT D

CAPITAL REGION WATER ADVANCED WASTEWATER TREATMENT FACILITY

Cogeneration Electrical Production: 2022-2023

	Period	Percent Run Time	Daily Avg Kilowatt	Kilowatt Hours Produced	Estimated Revenue
January 2022		2	58	1,800	\$210.51
February 2022		37	1,093	30,600	\$3,578.67
March 2022		33	958	29,700	\$3,473.42
April 2022		43	1,710	51,300	\$5,999.54
May 2022		53	1,687	52,200	\$6,104.79
June 2022		23	510	15,300	\$1,789.34
July 2022		33	1,190	36,900	\$4,315.46
August 2022		28	697	21,600	\$2,526.12
September 2022		12	450	13,500	\$1,578.83
October 2022		34	1,365	42,300	\$4,946.99
November 2022		21	870	26,100	\$3,052.40
December 2022		20	726	22,500	\$2,631.38
<hr/>					
Total - 2022				343,800	\$40,207.41
Monthly Average - 2022		28	943	28,650	\$3,350.62
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					
<hr/>					
Total - 2023				331,200	\$46,875.02
Monthly Average - 2023		25	1,401	30,109	\$4,261.37

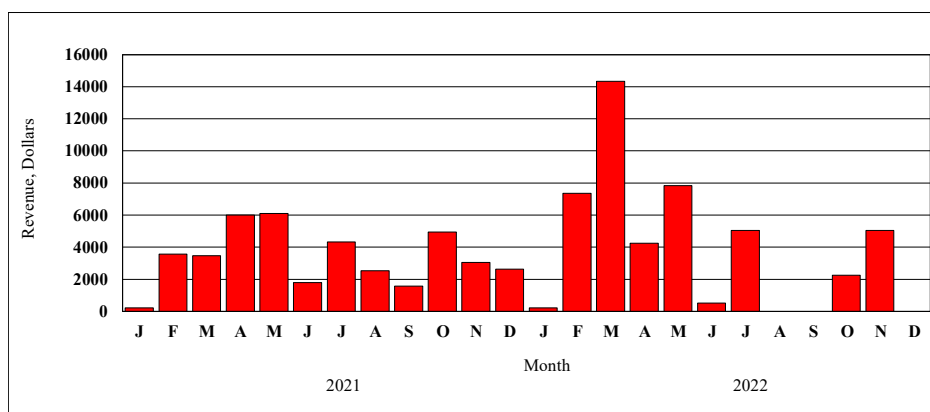


EXHIBIT E

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Sludge Handling Information - 2023

Process	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Solids Removal														
Process, Lbs.	704,819	890,443	1,557,518	1,554,485	1,206,679	964,105	1,146,178	786,642	505,711	608,037	361,393		935,092	10,286,010
CWH Program, Lbs.	196,727	230,186	125,669	137,543	502,270	446,289	315,199	412,091	586,445	697,323	708,421		396,197	4,358,163
Total Solids, Lbs.	901,546	1,120,629	1,683,187	1,692,028	1,708,949	1,410,394	1,461,377	1,198,733	1,092,156	1,305,360	1,069,814		1,331,288	14,644,173
Sludge Dewatering														
Feed Volume, Gals.	5,489,000	4,398,000	3,878,000	5,322,000	4,268,000	5,185,000	4,945,000	5,373,000	4,460,000	5,147,000	4,307,000		4,797,455	52,772,000
Feed Solids, %	1.5	1.5	1.5	1.4	1.5	1.4	1.5	1.8	1.9	1.6	1.8		1.6	-
Labor, Hours	635	519	531	651	691	671	688	602	639	1224	1102		723	7,952
Operations, Hours	1,181	977	1,014	672	691	671	1,104	1,130	892	617	581		866	9,531
Total Cake, Dry Tons	208	168	162	181	197	228	238	213	224	237	227		208	2,283
Total Cake, Wet Tons	1,264	1,089	1,040	1,164	1,223	1,421	1,485	1,267	1,335	1,509	1,433		1,294	14,230
Cake TS, %	16.5	15.9	15.6	15.6	16.1	16.1	16.0	16.9	16.9	16.2	15.9		16.2	-
Press Rate, Lbs./Hour	2,140	2,228	2,052	3,465	3,539	4,237	2,690	2,242	2,993	4,889	4,932		3,219	35,409
Polymer Dosage, Lbs	4,299	4,556	4,533	5,031	5,765	7,226	5,208	3,947	3,200	3,809	3,355		4,630	50,929
Polymer Dosage, Lbs/Dry Ton	20.7	27.1	28.0	27.8	29.3	31.7	21.9	18.5	15.0	17.2	17.2		23.1	-
Disposal Cost														
Labor, Dollars	\$12,208.54	\$9,982.89	\$10,200.05	\$12,502.61	\$13,282.94	\$12,890.85	\$13,223.36	\$11,570.44	\$12,281.58	\$23,517.59	\$21,176.60		\$13,894.31	\$152,837.46
Electrical, Dollars	\$519.82	\$430.06	\$445.98	\$295.64	\$304.08	\$295.11	\$485.76	\$497.20	\$392.48	\$271.61	\$255.68		\$381.22	\$4,193.42
Polymer, Dollars	\$8,383.05	\$8,885.16	\$8,839.35	\$9,810.45	\$11,241.75	\$14,090.70	\$10,155.60	\$7,696.65	\$6,240.00	\$7,427.55	\$6,542.25		\$9,028.41	\$99,312.51
Disposal, Dollars	\$47,358.20	\$52,886.50	\$47,998.60	\$25,793.27	\$70,097.60	\$60,858.30	\$143,251.00	\$52,571.30	\$41,776.90	\$57,836.00	\$42,106.40		\$58,412.19	\$642,534.07
Total Cost, Dollars	\$68,469.61	\$72,184.61	\$67,483.99	\$48,401.97	\$94,926.38	\$88,134.96	\$167,115.72	\$72,335.59	\$60,690.96	\$89,052.75	\$70,080.93		\$81,716.13	\$898,877.46
Cost Per Dry Ton, Dollars	\$329.18	\$429.67	\$416.57	\$267.41	\$481.86	\$386.56	\$702.17	\$339.60	\$270.94	\$375.75	\$308.73		\$391.68	

CAPITAL REGION WATER ADVANCED WASTEWATER TREATMENT FACILITY

Conveyance Utility Usage - 2023

Location / Utility	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Front Street Pump Station														
Electric														
Total, kWh	153,600	97,200	78,000	61,200	96,000	54,000	76,800	68,400	56,400	68,400	50,400		78,218	860,400
Average, kWh/Day	4,955	3,471	2,516	2,040	3,097	1,800	2,477	2,206	1,880	2,206	1,680		2,575	-----
Cost, Dollars	#####	\$6,179.35	\$5,794.20	\$4,760.30	\$6,808.76	\$5,640.08	\$6,454.65	\$6,101.73	\$5,816.54	\$6,163.84	\$4,002.33		\$6,172.15	\$67,893.65
Fuel Oil														
Total, Gals.	0	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	-----
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	\$0.00
Water														
Total, Gals.	284,000	318,000	276,000	291,000	326,000	355,000	336,000	340,000	307,000	310,000	*		314,300	3,143,000
Average, Gal./Day	9,161	11,357	8,903	9,700	10,516	11,833	10,839	10,968	10,233	10,000	*		10,351	-----
Cost, Dollars	\$3,633.08	\$3,984.64	\$3,550.36	\$3,705.46	\$4,067.36	\$4,367.22	\$4,170.76	\$4,212.12	\$3,870.90	\$3,901.92	*			\$39,463.82
Spring Creek Pump Station														
Electric														
Total, kWh	38,400	50,240	40,640	38,400	56,320	49,600	54,080	48,320	46,080	51,520	45,440		47,185	519,040
Average, kWh/Day	1,239	1,794	1,311	1,280	1,817	1,653	1,745	1,559	1,536	1,662	1,515		1,555	-----
Cost, Dollars	\$1,274.90	\$3,346.91	\$3,295.83	\$3,158.30	\$4,604.53	\$3,047.64	\$4,356.37	\$3,775.67	\$3,437.65	\$4,078.76	\$3,475.47		\$3,441.09	\$37,852.03
Fuel Oil														
Total, Gals.	0	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	-----
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
Water														
Total, Gals.	90,000	104,000	86,000	105,000	118,000	137,000	141,000	117,000	115,000	128,000	*		114,100	1,141,000
Average, Gal./Day	2,903	3,714	2,774	3,500	3,806	4,567	4,548	3,774	3,833	4,129	*		3,755	-----
Cost, Dollars	\$1,006.59	\$1,151.35	\$965.23	\$1,161.69	\$1,296.11	\$1,492.57	\$1,533.93	\$1,285.77	\$1,265.09	\$1,399.51	*		\$1,255.78	\$12,557.84
Market Street Pump Station														
Electric														
Total, kWh	1,320	1,200	1,200	960	1,080	720	840	840	720	840	960		971	10,680
Average, kWh/Day	43	43	39	32	35	24	27	27	24	27	32		32	-----
Cost, Dollars	\$151.91	\$153.90	\$174.52	\$157.79	\$253.89	\$207.36	\$208.98	\$185.03	\$146.63	\$150.05	\$170.16		\$178.20	\$1,960.22
Fuel Oil														
Total, Gals.	0	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	-----
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
City Island Pump Station														
Electric														
Total, kWh	40	40	40	40	40	40	0	40	40	40	40		36	400
Average, kWh/Day	1	1	1	1	1	1	0	1	1	1	1		1	-----
Cost, Dollars	\$42.43	\$62.63	\$64.36	\$64.11	\$64.27	\$83.86	\$62.57	\$64.16	\$64.70	\$64.98	\$62.88		\$63.72	\$700.95

* No Data at time of report

CAPITAL REGION WATER ADVANCED WASTEWATER TREATMENT FACILITY

Contract Waste Hauling Program 2022 - 2023

Month	Process		Septic		Total	
	Gallons	Revenue	Gallons	Revenue	Gallons	Revenue
January	557,788	\$18,254.25	78,450	\$2,770.20	636,238	\$21,024.45
February	1,253,749	\$35,714.94	150,975	\$5,336.00	1,404,724	\$41,051.04
March	1,266,410	\$37,456.11	168,400	\$5,918.40	1,434,810	\$43,374.51
April	832,860	\$24,607.44	189,750	\$6,795.00	1,022,610	\$31,402.44
May	1,599,990	\$46,377.27	250,650	\$8,874.90	1,850,640	\$55,252.17
June	583,370	\$18,218.79	315,100	\$11,217.60	898,470	\$29,436.39
July	352,570	\$12,137.31	252,900	\$8,969.40	605,470	\$21,106.71
August	248,100	\$8,169.21	287,600	\$10,209.60	535,610	\$18,378.81
September	1,589,990	\$44,824.05	311,600	\$11,046.60	1,901,590	\$55,870.65
October	1,738,680	\$48,922.56	342,650	\$12,173.40	2,081,330	\$61,095.96
November	1,412,550	\$39,494.61	293,700	\$10,537.20	1,706,250	\$50,031.81
December	1,776,820	\$50,682.24	158,050	\$5,586.30	1,934,870	\$56,268.54
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Total - 2022	13,212,877	\$384,858.78	2,799,825	\$99,434.60	16,012,612	\$484,293.48
Monthly Average - 2022	1,101,073	\$32,071.57	233,319	\$8,286.22	1,334,384	\$40,357.79

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						
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Total - 2023	17,380,310	\$801,996.86	2,906,800	\$103,466.70	20,287,110	\$905,463.56
Monthly Average - 2023	1,580,028	\$72,908.81	264,255	\$9,406.06	1,844,283	\$82,314.87

