

Ensure Financial Stability	
Reconciled Bank Account Balances	Refer to attached Reconciled Bank Account Balances as of 1/31/2022.
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 <i>Grant Management Report</i> .
Ensure Revenues are Consistent with System Usage	
Water Shut-offs	There were no water shut-offs for non-payment, 5 were turned back on after payment and 26 service shut-off requests.
Repair/Replace Meters/MXUs/Batteries	Drinking Water department staff replaced 35 water meters, replaced 67 batteries, and 20 MXUs.
Reduce Wet Weather Impacts to Infrastructure, Community, and Receiving Waters	
Negotiate with PADEP/U.S. EPA/DOJ on Past and Future Practices	CRW is waiting to receive redline comments back on the draft modification to the Partial Consent Decree from USDOJ/U.S. EPA/PADEP.
Develop Necessary Planning for Implementation of Green Infrastructure	The Camp Curtin Big Green Block and Bellevue Park SW Ponds Retrofit Projects are proceeding with construction under Phase 3 of the PENNVEST SW Pro-Fi Loan.
Joint Pollutant Reduction Plan - Collaborate with Suburban Partners on MS4	The Paxton Creek Cooperative (CRW, Lower Paxton Township, and Susquehanna Township) meet monthly to coordinate the implementation of our Joint Pollution Reduction Plan (PRP). We are continuing to advance our partnership with PennDOT to increase the pounds of sediment reduction on the Paxton Creek Sediment Reduction project contract. PennDOT has interest in engaging in a second contract within the Paxton Creek watershed. This opportunity may allow the partners to achieve the remaining pounds of sediment reduction for this first 5-year permit cycle through this cost-effective approach (2020-2025).
Obtain and Comply with Individual MS4 Permit	CRW's staff are working on implementation of the MS4 Permit requirements which include, but are limited to: six (6) Minimum Control Measures, stormwater outfall inspections, Best Management Practice (BMP) inspections, Appendices B & C, investigation of pathogens and priority organic compounds.
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. AWTF met all required NPDES monthly permit parameters in January. Two Sanitary Sewer Overflows were reported.
Notice of Violations (NOVs)	There were no NOVs received by the Drinking Water department in January. There were no NOVs received by the Wastewater department in January.
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. The Wastewater department completed all regularly scheduled preventative maintenance in the month of January and used snow days to perform a great deal of preventative maintenance on heavy field equipment.
CCTV	A total of 2,171 feet (0.41 miles) of sewer pipe were assessed by CCTV footage during the month of January. A total of 2,150 feet (0.41 mile) of pipe were flushed as well.
Incident Response	Wastewater responded to eighteen backup and overflow calls during the month of January. CRW was liable for none.

Geographic Information System (GIS)	<ul style="list-style-type: none"> • Twenty seven (27) PA One Call tickets were completed in January. • Printed new 24x36 sewer linen copies for AWTF's Field Construction Supervisor's office. His existing set was severely worn and in need of replacement. • Updated GIS data related to the Seventh Street roundabout. • Participated in two Asset Management meetings with Brown and Caldwell.
Cityworks	[REDACTED]
Asset Management	The final plans for AM Management of Change and Communications plans were received 2/10/2022. The water main condition assessment data was received and has been incorporated into the asset risk registry. Task Order 2022-06-01, [REDACTED] scope of work was finalized and supporting documents prepared for the February Board agenda. Tools investigated and built for each Roadmap Implementation Group (RIG) to facilitate task tracking, communication and meeting scheduling. Held meetings to establish RIG charters during the week of 2/7/2022. In support of organizational benchmarking initiatives, the committee is preparing the AWWA/APWA benchmarking presentation on 2/17/2022.
Development Review Summary	For details, see attached <i>Development Stormwater Management Review Summary</i> spreadsheet for January..

Undertake Capital Improvement Projects - Refer to attached Capital Improvement Projects Report

Professional & Contractor Services	<p>Recommend Board approval of the following Task Orders, Change Orders and Agreements:</p> <p>Drinking Water:</p> <ul style="list-style-type: none"> • Task Order 2020-20-02: Engineering Services for 2021 Water System Improvements Project with HRG • Task Order 2022-06-01: Engineering Services for [REDACTED] with Brown and Caldwell <p>Wastewater:</p> <ul style="list-style-type: none"> • Task Order 2019-24-01: Engineering Services for AWTF Energy Recovery Improvements Project with Arcadis • Change Order No. 17 (Contract No. 1) with Eastern Environmental Contractors, Inc. - AWTF Primary Digester Rehabilitation • Change Order No. 7 (Contract No. 3) with I.B. Abel, Inc. - AWTF Primary Digester Rehabilitation <p>Stormwater:</p> <ul style="list-style-type: none"> • Resolution No. 2022-003 - Camp Curtin Big Green Block Project - Reimbursement Agreement with City of Harrisburg • Task Order 2022-09-01: Technical Grant Application Support for Paxton Creek Restoration Planning Project with Michael Baker International
Stormwater O&M Agreements	<p>Recommend Board approval of the following:</p> <p>None.</p>
AWTF Primary Digesters Rehabilitation	Digester No. 1 will be tested once the installation of the cover is complete. Installation of the digester insulation will be scheduled, weather permitting.
AWTF Energy Recovery Improvements	Permit applications have been submitted to Swatara Township and PADEP.
Front Street Pumping Station Improvements	The contractors are addressing punch list items and site cleanup.
WSC Soda Ash Conversion	No update.
WSC Flocculator Equipment Replacement	Notice to proceed was issued to the general and electrical contractors on 2/1/2022.

Undertake Renewal and Replacement Projects

2020 Sewer System Improvements	One cured-in-place lining segment, punch list items, and final paving remain.
2021 Sewer System Improvements	The contractor is replacing manholes and storm inlets along Seneca Street and will be moving to the Sycamore Street location in February.
2021 Water System Improvements	The contractor is performing main installation and water service reconnections on Linden Street and the Derry-Mulberry Streets location.

Cameron Street Water Main - Phase 3	The contractor is reconnecting services in Cameron Street.
Arsenal Boulevard Sewer Improvements	The project is in the design stage.
Front Street Interceptor Rehabilitation - Phase 2	The project is advertised and bids are due 3/15/2022.
Water Facility Maintenance	Drinking Water maintenance staff performed repairs to various process units as described in the Drinking Water Department Monthly Report.
Wastewater Facility Maintenance	The Wastewater Maintenance group completed various repairs throughout the AWTF and pumping stations throughout the month of January. A narrative is provided in the Wastewater Department Monthly Report.
Sinkhole Program	One (1) sinkhole was investigated by CRW in the month of January. CRW was not responsible.
Inlet Cleaning	A total of 33 stormwater inlets were cleaned during the month of January, and 31 stormwater inlet inspections were performed.

Operate as an Efficient, Sustainable and Resilient Water Utility

DeHart Property Stewardship	<p>Timber harvest to improve regeneration continues in Management Unit (MU) 22/31 in accordance with the DeHart Property Forest Management Plan.</p> <p>Notice to proceed was provided to All Terrain Logging LLC for a regeneration harvest in MUs 20, 34, 36, and 37 (approximately 155 acres); haul road improvements have been completed. Final field work underway for bidding of overstory removal in MU 24.</p>
Sustainability	No update.
Internal Communications	The Intranet site and calendar continue to be utilized. The Q1 <i>The Daily Flow</i> Newsletter was distributed in early January. 2022 Q1 All Staff meeting was held on 1/27/2022.

Inform and Listen to Customers and Encourage Stewardship of our Systems

Media Relations - Press and Social Media	<p>PRESS RELEASES: (January 24, 2022) Capital Region Water Officials to Testify Before Senate Committee Examining Stormwater Fee Implementation; (January 25, 2022) Commonwealth Refuses to Pay \$32,246 in Monthly Stormwater Fees, Passing Off the Burden to Residential and Commercial Ratepayers.</p> <p>SOCIAL MEDIA TOPICS:</p> <ul style="list-style-type: none"> • Facebook: 5 New Organic Followers. 6 Posts; Highest Engaged Post: (1/31/2022) "Employee of the Month- Jeff Wahosky." (27 Post Clicks; 38 Reactions, 7 Comments & 1 Shares; 484 Organic Reach); Other topics: LIHWAP Enrollment, MLK Day Litter Cleanup, Board Meeting reminder, Affiliate Community Partner Award recognition. • Twitter: 11 Tweets; Highest Engaged Tweet: "LIHWAP" (156 Impressions; 1 Likes, 0 Retweets) Month overview: 1,679 total Impressions; 927 Profile Visits; 3 New Followers; 3 Mentions. • Instagram: 13 New followers (667 Total), 4 Posts; 8 Storie posts (Senate Hearing) Highest Engaged Post: (1/31/2022): "Employee of the Month- Jeff Wahosky." 6 likes, 1 comment. <p>2022 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 Ambassador Meeting held 1/19/2022: Presenter: Jess Rosentel discussed Biobot chart and CRW COVID protocols. Updates: Current CRW safety protocols, LIHWAP and Customer Assistance Program eligibility. Open items: construction projects, CRW job openings, The Tree Tenders Series and community ambassador concerns and updates.</p> <p>Community Outreach:</p> <ul style="list-style-type: none"> • Delivered 368 door-to-door notifications re: water service interruptions, sewer line repairs, sewer maintenance, Fats, Oil & Grease and Homeowner. • One (1) Everbridge emergency notification to a flooded apartment complex - 0% confirmed. • Daily CSO inspections and Everbridge customer updates. • One (1) community meeting and zero (0) community events, six (6) on-site construction project meetings, and five (5) in-person customer complaint follow-ups. Two (2) business litter cleanup partnership meetings.

Public Communications	WHAT'S ON TAP COMMUNICATION: The January monthly bill stuffer was distributed as a bill insert. Topics included: "Special Edition" Letter from the CEO. (Personal letter to all customers from Charlotte.)
Diversity	<ul style="list-style-type: none">• Capacity building with Tisha Davis, CEO of Designer Junkie Tees which is a certified MBE.• 2/08/2022 - Attended Front Street Interceptor pre-bid meeting.• 2/11/2022 - Attended the preconstruction conferences for the WSC Flocculator and Bellevue Park Improvement Projects.
Administrative	
Risk Management	<ul style="list-style-type: none">• COVID positive cases YTD.• No significant general liability claims.• Updated experience mod. of 1.177.• Updated workmen's compensation claims of 7/07/2021 and 12/12/2021 increased loss ratios significantly.<ul style="list-style-type: none">- Reserves- \$258,611- Paid Losses-\$81,829- Total Incurred-\$340,440- Loss Ratio-226%• In the process of obtaining 2022-2023 insurance proposals.
Human Resources	• Recruiting: Refer to <i>Recruiting Status Report</i> attached.
Procurement	Ongoing projects include: <ul style="list-style-type: none">• AWTF assessment of inventory on hand for hardware and consumables (temporarily on hold due to COVID).• First phase of inventory has been extended until the end of July to build more usable data (due to COVID).
Information Technologies (IT)	[Redacted content]

<p>Office Management and Admin Professional Services and Construction</p>	<p>Incoming Correspondence Report: Refer to attached <i>Incoming Correspondence Report for January 2022</i> .</p> <p>Street/Sidewalk-Cut Permits: One new Drinking Water request was received and processed from the City of Harrisburg's Engineer. One Wastewater permit was successfully completed and closed.</p> <p>Recommend Board approval of the following:</p> <ul style="list-style-type: none"> • C-92 - Purchase of 2022/2023 Ford F-250 Super Duty Truck with Stephenson Equipment Utility Body Upfit from Hoffman Ford for Drinking Water • C-93 - Purchase of 2022/2023 Ford F-250 Super Duty Truck with Stephenson Equipment Utility Body Upfit from Hoffman Ford for Drinking Water • C-94 - Purchase of 2023 Ford F-750 Diesel Dump Truck with Stephenson Equipment Utility Body Upfit from Hoffman Ford for Drinking Water • C-95 - Purchase of 2023 International MV607 SBA Main Break Truck from Five Star International, LLC for Drinking Water • G-77 - Purchase of 2022 Ford F-350 4X4 SD Regular Cab Truck from Keystone Ford for Wastewater • G-77 - Purchase of Utility Body Upfit to (G-77) 2022 Ford F-350 4X4 SD Regular Cab Truck from US Municipal for Wastewater.
<p>Right-to-Know Requests</p>	<p>CRW has received and responded to one previous Right-to-Know request during the period 1/22/2022 through 2/16/2022. Other informational requests were identified as not being formal RTK requests throughout the month and/or were transferred to the Customer Service Center for appropriate response.</p> <p>OOR Training: The Open-Records Officer participated in the following webinars conducted by the Office of Open Records (OOR):</p> <ul style="list-style-type: none"> • 2/02/2022 - Laws that Protect Information • 2/16/2022 - Basics of the Sunshine Act (recent amendment to Senate Bill 554 regarding local municipalities to post agendas no later than 24-hours before the start of a public meeting). <p>2022-002 - Tom Pelton (Environmental Integrity Project). Request for any document that indicates the total amount of impervious surface that exists in Harrisburg (including state properties) and is subject to CRW's stormwater fees. Response due: 1/27/2021. Response Provided 1/27/2022.</p>



CAPITAL REGION

WATER

**DRINKING WATER DEPARTMENT
MONTHLY REPORT**



5th and Seneca Streets – Water Main Break

January 2022

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

Plant Operations

The Capital Region Water (CRW) Drinking Water department met all Federal Safe Drinking Water Act Water Quality Standards for the month of January. Specific water quality results are summarized in Exhibit A. A total of 230.65 MG, averaging 7.44 MGD was withdrawn from the water supply sources for treatment. As shown in Exhibit B, a total of 228.34 MG, averaging 7.36 MGD, of finished drinking water was pumped to the distribution system.

The DeHart water source was in service 31 days. The Susquehanna River water source was not in service. The DeHart Watershed had below average rainfall in January (Exhibit C) and the DeHart reservoir water level increased (Exhibit D). An estimated 279.52 MG of water was released from DeHart reservoir to Clark Creek, averaging 9.01 MGD for the month. This downstream flow, which is received by remote flow monitoring from the weir location and actual staff gauge readings, was in compliance with the flow required by the State Water Allocation Permit (Exhibit E).

Plant Maintenance

The Maintenance team performed approximately 70 preventative maintenance work orders and three corrective maintenance work orders for the month of January using the Cityworks maintenance management system for all water treatment plant equipment, pumping stations and fleet vehicles.

- The Maintenance team continues to follow COVID-19 morning temperature requirements and masking protocols.
- The DeHart Dam watershed was patrolled daily and maintained.
- The maintenance and distribution team have started the installation of the bollards for the Bulk Water Filling Station.
- The Maintenance team installed the remainder of the parking garage LED lights.
- The Maintenance team replaced all the existing lights in the NFS Offices with new LED lighting fixtures.
- The Maintenance team removed all the shelving and parts cabinets out of the maintenance, distribution, cleaning closets and offices for the installation of new VCT flooring.
- The Maintenance team repaired the carpeting at the NFS offices.
- The Maintenance team replaced the existing stained ceiling tiles in the copier room at the NFS offices.
- The Maintenance team hung shelving in the NFS offices for some of the corporate staff.
- The Maintenance team continues to do snow removal and rock salt application at the WTP, NFS offices, Front Street WPS, Reservoir Park WPS, Union Square FPS and the DeHart Dam facility.
- The Maintenance team continues to service and repair the maintenance and distribution fleet.

Distribution

The Distribution group, while keeping up with the COVID-19 pandemic safety requirements, managed to:

- Repair three water main breaks during the month, 4,349,565 gallons of unmetered water for the month of January.
- Repair 10 leaking services during the month, 998,776 gallons of unmetered water for the month of January.
- No fire hydrants are out of service.
- Complete 263 work orders.
- Prepare 312 meter cards.
- Complete 567 water, sewer, and storm water locates.
- Worked with contractors on several water, sewer and storm water capital improvement projects.
- Continuing with leak detection

Water Quality

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

- Ensured collection of regulatory samples for total coliform and E.coli, THM, HAA, TOC, and alkalinity.
- Laboratory results from MJ Reider for TOC were not back by the time this report was filled out.



CAPITAL REGION™

WATER

Drinking Water Exhibits



EXHIBIT A Water Quality Analysis - 2022

PARAMETERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Average	MCL Limits
Total Coliform: Presence/Absence														
Distribution System	A													5% P
Chlorine Residual, mg/L Free														
Filter Plant Effluent	1.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.94	0.2 - 4.0
Distribution System	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	<0.02
Turbidity, NTU														
Influent from DeHart	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	NA
Influent from Susquehanna	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	NA
Filter Plant Effluent	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.30
pH, Std Units														
Influent from DeHart	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.40	NA
Influent from Susquehanna	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	NA
Filter Plant Effluent	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.40	6.5 - 8.5*
Distribution System	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.60	6.5 - 8.5*
Total Alkalinity, mg/L as CaCO3														
Influent DeHart	5	0	0	0	0	0	0	0	0	0	0	0	5.00	NA
Influent from Susquehanna	NA	0	0	0	0	0	0	0	0	0	0	0	N/A	NA
Filter Plant Effluent	13	0	0	0	0	0	0	0	0	0	0	0	13.00	<15*
Distribution System	15	0	0	0	0	0	0	0	0	0	0	0	15.00	<15*
Temperature, degrees C														
Influent from DeHart	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.60	NA
Influent from Susquehanna	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NA
Filter Plant Effluent	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.00	NA
Distribution System	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.30	NA
Fluoride, mg/L														
Filter Plant Effluent	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	2
Aluminum, mg/L														
Filter Plant Effluent	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.2*
Iron, mg/L														
Influent from DeHart	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	NA
Influent from Susquehanna	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA
Filter Plant Effluent	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.3*
Distribution System	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.3*
Total Dissolved Solids, mg/L														
Influent from DeHart	13	0	0	0	0	0	0	0	0	0	0	0	13.00	NA
Influent from Susquehanna	NA	0	0	0	0	0	0	0	0	0	0	0	N/A	NA
Filter Plant Effluent	37	0	0	0	0	0	0	0	0	0	0	0	37.00	500*
Distribution System	39	0	0	0	0	0	0	0	0	0	0	0	39.00	500*
Total Hardness, mg/L														
Influent from DeHart	8	0	0	0	0	0	0	0	0	0	0	0	8.00	NA
Influent from Susquehanna	NA	0	0	0	0	0	0	0	0	0	0	0	N/A	NA
Filter Plant Effluent	8	0	0	0	0	0	0	0	0	0	0	0	8.00	NA
Distribution System	8	0	0	0	0	0	0	0	0	0	0	0	8.00	NA
Orthophosphate, mg/L														
Filter Plant Effluent	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.7 - 1.3*
Distribution System	1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.7 - 1.3*
**Total Trihalomethanes, ug/L														
Distribution System	0.035	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.04	0.080
**Total Haloacetic Acids, ug/L														
Distribution System	0.033	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.03	0.060
Total Organic Carbon, mg/L														
Influent from DeHart	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	NA
Influent from Susquehanna	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	NA
Filter Plant Effluent	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50	NA
Average Filter Run, Hours	114	0	0	0	0	0	0	0	0	0	0	0	114.00	NA

*** Not Available at Time of Report

* Values are related to DEP Secondary MCL

** Running Annual Quarterly Average

EXHIBIT B

Water Production Data - 2022

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	230.675	7.441	0.000	0.000	230.675	7.441	235.985	7.612	4.634	0.149	228.344	7.366
February	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
March	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
April	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
June	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
July	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
November	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
December	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	230.675		0.000		230.675		235.985		4.634		228.344	
Average	19.223	0.620	0.000	0.000	19.223	0.620	19.665	0.634	0.386	0.012	19.029	0.614

Peak Day Water Use
Minimum Day Water Use

5/31/2020
5/1/2020

6.966
6.081

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

EXHIBIT C

Rainfall at the DeHart Reservoir - 2022
(inches)

Date	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
2022 Total	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.74
Daily Average	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080
Ten Year Average	3.37	2.572	3.62	4.68	4.138	5.112	4.81	4.154	5.72	5.37	3.83	4.21	51.586
2022 Total	2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.74

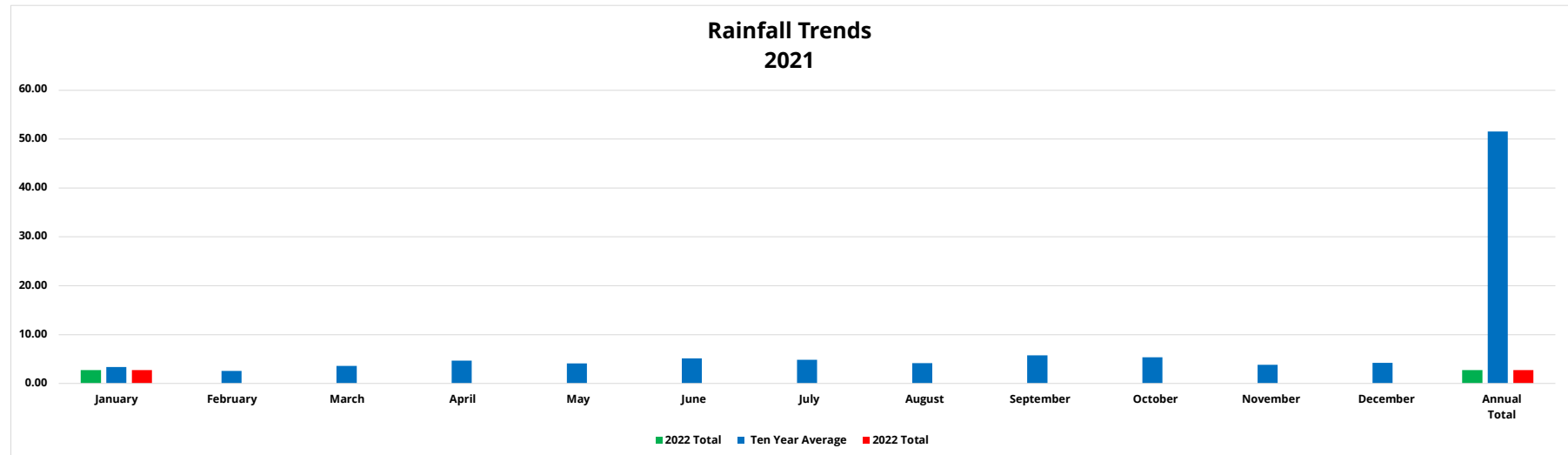


EXHIBIT D

Water Level at the DeHart Reservoir - 2022
(Inches from Spillway)

Date	January	February	March	April	May	June	July	August	September	October	November	December
2022 AVG	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ten Year AVG	-38.8	-36.6	-27.4	-14.4	-12.5	-15.0	-12.0	-42.0	-60.5	-73.5	-75.0	-62.6
2022 AVG	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

DeHart Reservoir Water Level Trends
2021

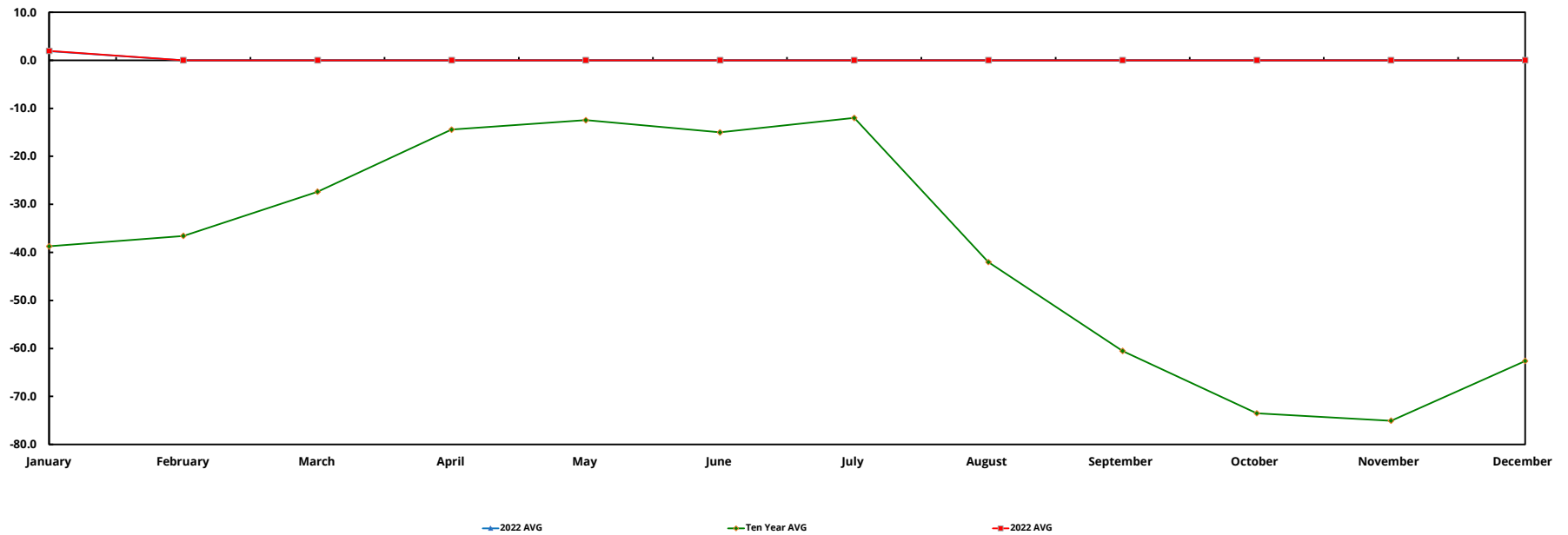


EXHIBIT E
Daily Conservation Release - 2022

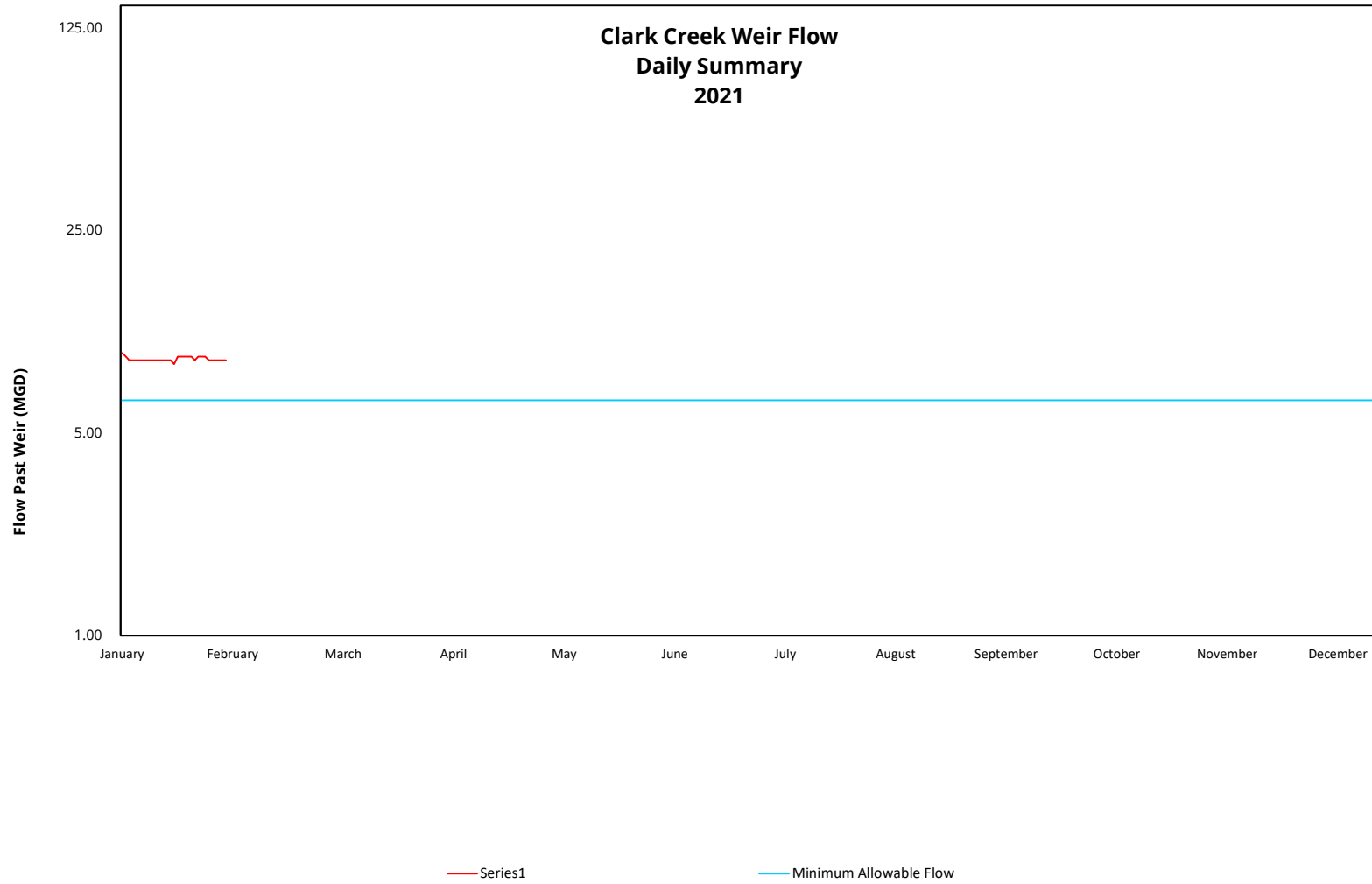




EXHIBIT F
Utility Usage - 2022

Location / Utility	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Water Services Center														
Electric Transmission														0
Total, kWh														0
Cost, Dollars														\$0.00
Electric Generation														0
Total, kWh														0
Cost, Dollars														\$0.00
Natural Gas														0
Total, Cu Ft														0
Cost, Dollars														\$0.00
Sewer														0
Total, Gal														0
Cost, Dollars														\$0.00
Refuse														0
Cost, Dollars														\$0.00
Reservoir Park Pump Station														
Electric Transmission													84,800	84,800
Total, kWh	84,800												84,800	84,800
Cost, Dollars														\$0.00
Electric Generation													84,800	84,800
Total, kWh	84,800												84,800	84,800
Cost, Dollars	\$1,074.71												\$1,074.71	\$1,074.71
Natural Gas														823
Total, Cu Ft	823												823	823
Cost, Dollars	\$696.50												\$696.50	\$696.50
Wassukuhanna River Pump Station														
Electric Transmission													17,400	17,400
Total, kWh	17,400												17,400	17,400
Cost, Dollars														\$0.00
Electric Generation													17,400	17,400
Total, kWh	17,400												17,400	17,400
Cost, Dollars	\$781.92												\$781.92	\$781.92
Natural Gas														724
Total, Cu Ft	724												724	724
Cost, Dollars	\$615.82												\$615.82	\$615.82
Union Square Booster Station														
Electric Transmission														0
Total, kWh	2876													0
Cost, Dollars														\$0.00
Electric Generation														0
Total, kWh	2876													0
Cost, Dollars	125.54													\$0.00
DeHart Facilities														
Electric Transmission													2,965	2,965
Total, kWh	2,965												2,965	2,965
Cost, Dollars														\$0.00
Electric Generation													2,965	2,965
Total, kWh	2,965												2,965	2,965
Cost, Dollars	\$101.22												\$101.22	\$101.22
Fuel Oil														0
Total, Gals														0
Cost, Dollars														\$0.00
City Island Heat Trace														
Electric Transmission														0
Total, kWh														0
Cost, Dollars														\$0.00
Electric Generation														0
Total, kWh														0
Cost, Dollars														\$0.00
Expenditures YTD													\$3,270	\$3,270

** Not available at time report was developed

Total Transmission	\$0
Total Generation	\$1,958
Total Refuse	\$0
Total Gas	\$1,312
Total Sewer	\$0
Total Fuel Oil	\$0
Total Utilities	\$3,270

Exhibit G

Hydro-Turbine Generator Performance - 2022

Month	Kilowatt-hour (KWH)	Anticipated Savings *
January	48,590	\$2,818
February	0	\$0
March	0	\$0
April	0	\$0
May	0	\$0
June	0	\$0
July	0	\$0
August	0	\$0
September	0	\$0
October	0	\$0
November	0	\$0
December	0	\$0
Average	48,590	\$2,818
Year to Date	48,590	\$2,818

* Estimated savings based on electrical rate of \$0.058 per KWH

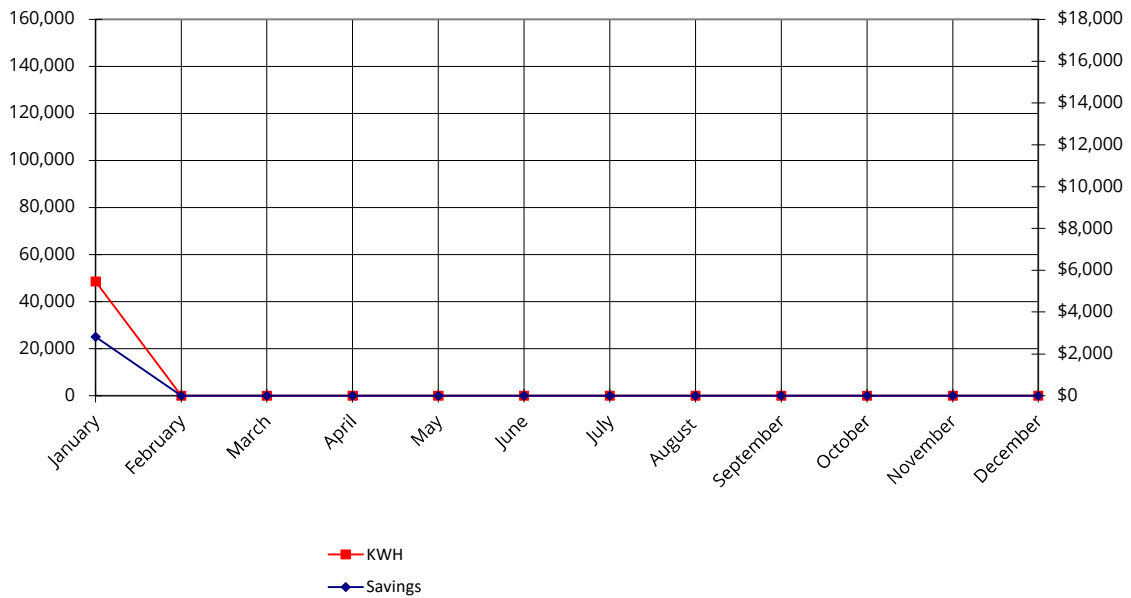


EXHIBIT H
Treatment Chemical Usage - 2022

Chemical	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Chlorine														
Total Lbs.	6,180												6,180	6,180
Average, Chlorine Lbs./Day	199												199.4	
Average, Chlorine Dose, mg/L	3.2												3.2	
Chlorine Cost, \$/Lbs.	\$0.305												0.3	
Chlorine Total Cost, Dollars	\$1,885												\$1,884.90	\$1,884.90
Alum 48.5%														
Total Lbs.	48,096												48,096	48,096
Average, Alum, Lbs./Day	1,551												1551.5	
Average, Alum, mg/L	25.0												25.0	
Alum Cost, \$/Lbs.	\$0.164												0.2	
Alum Total Cost, Dollars	\$7,888												\$7,887.74	\$7,887.74
Lime														
Total Lbs.														0
Average Lime, Lbs./Day														
Average, Lime Dose, mg/L														
Lime Cost, \$/Lbs.														
Lime Total Cost, Dollars														\$0.00
Soda Ash														
Total Lbs.	24,800												24,800	24,800
Average Soda Ash, Lbs./Day	800												800.0	
Average, Soda Ash Dose, mg/L	16.7												16.7	
Soda Ash Cost, \$/Lbs.	\$0.299												0.3	
Soda Ash Total Cost, Dollars	\$7,415												\$7,415.20	\$7,415.20
Fluoride														
Total Lbs.	1,155												1,155	1,155
Average, Fluoride Lbs./Day	37												37.3	
Average, Fluoride (F-) Dose, mg/L	0.6												0.6	
Fluoride Cost, \$/Lbs.	\$0.48												\$0.48	
Fluoride Total Cost, Dollars	\$554												\$554.40	\$554.40
Sodium Hydroxide 50%														
Total NaOH 50% dry Lbs.	41,600												41,600	41,600
Average NaOH 50%, dry Lbs./Day	1,342												1,342	
Average, NaOH 50%, mg/L	10.7												10.7	
NaOH 50% Cost, dry \$/Lbs	\$0.174												0.2	
NaOH 50% Total Cost, Dollars	\$7,238												\$7,238.40	\$7,238.40
Zinc Orthophosphate														
Total Zn3(PO4)2, wet Lbs.	5,142												5,142	5,142
Average Zn3(PO4)2, wet Lbs./Day	166												165.9	
Average, Zn3(PO4)2 Dose, mg/L	2.7												2.7	
Zn3(PO4)2 Cost, wet \$/Lbs.	\$0.374												0.4	
Zn3(PO4)2 Total Cost, Dollars	\$1,923												\$1,923.11	\$1,923.11
Potassium Permanganate														
Total KMnO4, Lbs.														0
Average KMnO4, Lbs./Day														
Average, KMnO4 Dose, mg/L														
KMnO4 Cost, \$/Lbs.														
KMnO4 Total Cost, Dollars														\$0.00
Expenditure													\$26,903.75	\$26,903.75
Average Treated Cost per (MG)														
Total Treated Flow (MGD)														0.000
Average Treated Flow (MGD)														19.665

EXHIBIT I
DISTRIBUTION DEPARTMENT ACTIVITIES - 2022

Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	Average
PA One Call Locates	423	0	0	0	0	0	0	0	0	0	0	0	423	35
Street Restorations	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leak Detection Assessment <i>Percent of Distribution System</i>	8	0	0	0	0	0	0	0	0	0	0	0	8	1
Main Break Repair - Detected Non-Surfacing	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Main Breaks Repaired - Emergency	2	0	0	0	0	0	0	0	0	0	0	0	2	0
Service Line Leaks Detected	2	0	0	0	0	0	0	0	0	0	0	0	2	0
Service Line Leaks Repaired	1	0	0	0	0	0	1	0	0	0	0	0	2	0
Valves - Exercised	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Valves - Replaced	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrant Flow Tests	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrants Returned to Service	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Tap - Disconnected	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Water Tap - New Connection	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Water Shutoffs - Delinquent Accounts	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Shutoffs - Other	26	0	0	0	0	0	0	0	0	0	0	0	26	2.17
Water Shutoffs - Non Payment	0	0	0	0	0	0	0	0	0	29	0	0	29	2
Water Restoration Turn on Other	22	0	0	0	0	0	0	0	0	0	0	0	22	2
Water Turn on - Non Payment	5	0	0	0	0	0	0	0	0	17	0	0	22	2

EXHIBIT J
Metering Activities - 2022

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	7												7	7
	Leaking	7												7	7
	Frozen	10												10	10
	Non-registering	1												1	1
	Large Meters ¹	0												0	0
New Service	New Installation	0												0	0
Meter Service															
MXU's Replaced	MXU's Replaced	20												20	20
Batteries Replaced	Batteries Replaced	67												67	67
Meter Pits Serviced	Meter Pits Serviced	1												1	1
Meter Calibrations															
Small Meters ²	Calibrated meters	2												2	2

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) - 2022

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	0	0	0	0	0	0	0	0	0	0	0	0	0
Billed Metered Exported	Bulk Water Hauling	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0
Billed Metered	Hydrant Connections	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Billed Unmetered	Hydrant Flow Tests	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unbilled Unmetered	Hydrant Flushing (and Unbilled Authorized)	221,167	0	0	0	0	0	0	0	0	0	0	0	221,167	18,431
Leakage on Distribution Mains	Main Leaks	4,349,565	0	0	0	0	0	0	0	0	0	0	0	4,349,565	362,464
Leakage on Service Lines	Service Leaks	998,776	0	0	0	0	0	0	0	0	0	0	0	998,776	83,231
	Total	5,569,508	0	0	0	0	0	0	0	0	0	0	0	5,569,508	464,126



CAPITAL REGION[™]

WATER

Wastewater

Wastewater





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WATER

WASTEWATER DEPARTMENT MONTHLY REPORT



Wastewater's Field Construction CREW

January 2022

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

Overview

Mitigation of COVID-19 once again became the primary focus of the Wastewater department in December, fueled by the rapid increase in local cases due to the highly contagious Omicron variant. Several mitigation measures that were implemented in past surges were reinstated and remain in place at the time of reporting.

Elimination of punch list items for the Front Street Pumping Station Rehabilitation project came to a halt during the month of December as the general contractor provided minimal work in January. More than a dozen punch list items remain for the contractor to achieve the final completion benchmark.

Progress on the Primary Digester Rehabilitation project continued in January. The general contractor began preparations for hydrostatic testing of Digester No. 1. Installation of internal piping is still ongoing and about 85 percent complete. Leak testing, application of protective coatings and mixer installation are among the items that still need to be completed. The date for commissioning of this unit has slipped to April 2022.

Operations

During the month of January, the AWTF met all monthly average NPDES permit requirements. Two Sanitary Sewer Overflows were reported.

Hydraulic loading to the AWTF averaged 18.4 million gallons per day (MGD). The treatment process achieved removal reductions of 98.1 percent CBOD, 97.5 percent Suspended Solids, 71.6 percent Phosphorus, 95.5 percent Ammonia, and 87.6 percent Nitrogen (Exhibit A).

A full-scale trial with a free alternative supplemental carbon source for the denitrification process began in August and continued through January. Effluent Nitrogen concentration averaged 3.2 mg/L for the month (Exhibit A). Continued success would result in a dramatic decrease in chemical cost and the potential generation of significant non-rate revenue through the sale of nitrogen credits.

Revenue of the Contract Waste Hauling program collected \$21,024.45 in revenue from 636,238 gallons discharged (Exhibit G). The program finished the year with \$710,237 in non-rate revenue, which is a 12.2 percent increase over 2020 numbers.

The Cogeneration Facility experienced an average run time of 0.2 percent in January. Revenue is estimated at \$138.65 on 1,800 Kilowatt-hours generated for the month. Reduction in run time can be attributed to an increase in secondary wasting to reduce the MLSS causing an increase in pumping of thinner sludge to Primary Digester No. 2 and the use of the gas for the heating of facility

buildings and mechanical issues with the system gas compressor which required an overhaul of the unit.

Laboratory

- Completed bi-monthly sampling and testing of biosolids for pollutants and fecal coliforms as required by our beneficial reuse (PAG08) permit.
- As a result of the recent laboratory inspection, we submitted a Corrective Action Plan (CAR-1) to PADEP Bureau of Laboratories addressing two laboratory deviations that are required to be corrected within 30 days. In review, neither deviation appeared to compromise AWTF's test results.
- Started preparation of the AWTF laboratory's Corrective Action Report (CAR-2) which is substantially complete.
- Submit primary influent samples to Biobot for COVID-19 testing.

Pretreatment

- Received self monitoring reports submitted for December and 4th quarter of 2021.
- Completed the contract waste hauling program's QuickBooks January data entry and forwarded the waste hauler monthly reports to Billing.

Plant Maintenance

- Installed new wiring and disconnects to overhead garage door operators in the belt filter press.
- Installed new hot water heater for the belt filter press area.
- Installed new sump pumps and completed discharge piping in the Chemical Storage building.
- Installed new LED post light at the final outfall over sampler for safety at the chlorine contact tanks.
- Dismantled and rebuilt the facility's gas compressor.
- Removed and replaced worn inlet housing on Primary Waste Pump No. 2 in the Main Control building.
- Tested the stand-by generator at the Market Street Pump Station.
- Replaced bearings in motor for Pista Grit Pump No. 1.
- Installed four new LED lights on primary deck catwalk at the primary tanks.
- Repaired drive coupling failure on Primary Tank No. 4.
- Retubed 16 lengths of 6-inch heat exchanger piping at the Primary Digester Control House.
- Performed 30-minute full load test on backup generator at the Spring Creek Pump Station.
- Install new LED light on thickener deck at the Thickener Pump Station.
- Performed 15 vehicular repairs in preparation for state inspections.
- Responded to work requests for office building at 3003 North Front Street.

Field Construction

- Excavated and installed additional parking area in front of the heavy equipment garage at the AWTF. Recycled asphalt milling was used for the permeability.
- Performed weekly and post snowstorm checks of street plates and patched sinkholes.
- Performed snow and ice removal at the AWTF, pump stations, CSO sites and 3003 North Front Street offices.
- Rogele completed an IDIQ excavation on Susquehanna Street near Boas Street. An 18-inch brick sewer was collapsed. Rogele and PPL coordinated the support of a utility pole that was adjacent to the excavation and posed a hazard. Six feet of 18-inch SDR was installed along with a lateral connection. This is a sinkhole remediation project.
- Excavated and replaced 28 feet of 10-inch clay sewer main at Poplar and Brown Streets with SDR.
- Repaired bench and channel on a sanitary sewer manhole at 3rd and Klemm Streets. This is a sinkhole remediation project.
- Excavated and raised to grade a buried manhole on Penn Street.
- Excavated and replaced 7 feet of 12-inch clay sewer main with SDR. The sewer main was compromised at the storm water pipe connection.
- Four stormwater inlets were repaired at various locations throughout the City.

Field Operations

- A total of 2,171 feet (.41 miles) of sewer pipe were assessed by CCTV footage throughout the month.
- A total of 2,150 feet (.41 miles) of pipe were flushed during the month.
- Responded to 18 backup and overflow calls from residents. CRW was liable for two:
 - A backup at 385 Rumson Drive was due to a blockage in the sewer main caused by an excessive buildup of grease and non-flushable wipes.
 - A backup at 2340 N. 5th Street was caused by a broken water main that migrated stone from an adjacent sewer project into the sewer main, causing a blockage.
- Responded to one sinkhole call. CRW was not liable.
- Cleaned 33 stormwater inlets.
- Inspected 31 stormwater inlets.
- CCTV'd laterals at Balm Street.
- There were no dry weather overflows this month.
- Hydro excavated for Field Construction at Brown and Poplar Streets.
- Post CCTV'd lines for engineering at Seventh Street.
- Cleaned drain in the wash bay in the heavy equipment garage.
- Performed maintenance on lots of equipment due to inclement weather.

Environmental Compliance

- Completed eight inspections of FOG dischargers. Two locations received letters of non-compliance with compliance plans and six locations were exempt.
- Issued one new FOG discharge permit.
- Provided education packet to one newly identified FOG discharger (either new business or previously unidentified). Spent time educating business owner/representative and provided them with a FOG Best Management Practices Manual, copy of Section 7.5 of the updated Wastewater and Stormwater Rules and Regulations, discharge permit request, cleaning log sign-off sheet, and introduction letter.
- No investigations were conducted during the month of January.

Street Sweeping

- There were no complaints this month.
- There were several calls regarding ticketing when CRW is not sweeping. Explained that tickets can be given out even if CRW is not sweeping. The Office of Parking Enforcement was contacted and confirmation information was received.
- Scheduled preventive maintenance on all three sweepers.
- One employee accepted a position in Field Maintenance.
- Completed 322.78 miles of street sweeping within the City of Harrisburg.
- There were five days of suspended sweeping due to weather.
- There was no water usage this month.
- Continued to assist with the cleaning of storm inlets in scheduled sweeping areas.
- When the days of the month fall on a fifth week, there is no scheduled sweeping. However, the Sweeping group will be assigned specific assignments throughout the City in highly visible areas. The end of January 2022, the Street Sweeping group swept an additional 12.7 miles and continued to clean off storm inlets.



CAPITAL REGION™

WATER

Wastewater Exhibits

EXHIBIT A

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Process Control - 2022

Parameters	January	February	March	April	May	June	July	August	September	October	November	December	Average	NPDES Limits
Volume, MGD	18.4												18.4	37.7
Carbonaceous Biochemical Oxygen Demand														
Influent, mg/L	176												176	----
Effluent, mg/L	3												3	25
Percent Removal, %	98.1												98.1	----
Effluent Loading, lb/d	520												520	7,860
Suspended Solids:														
Influent, mg/L	177												177	----
Effluent, mg/L	4												4	30
Percent Removal, %	97.5												97.5	----
Effluent Loading, lb/d	715												715	9,433
Nitrogen														
Total-N														
Influent, mg/L	26												26	----
Effluent, mg/L	3.2												3	Monitor
Percent Removal, %	87.6												87.6	----
Effluent Loading, lb/d	483												483	----
NH3-N														
Influent, mg/L	16												16	----
Effluent, mg/L	0.7												1	11 (2)
Percent Removal, %	95.5												95.5	----
Effluent Loading, lb/d	113												113	4,716
Phosphorus:														
Influent, mg/L	3.5												3.5	----
Effluent, mg/L	0.9												0.9	2.0
Percent Removal, %	71.6												71.6	----
Effluent Loading, lb/d	144												144	629
pH:														
Influent, Std. Units	7.4												7.4	----
Effluent, Std. Units	7.0												7.0	6.0 - 9.0
Dissolved Oxygen:														
Effluent Minimum, mg/L	7.0												7.0	5.0 Min.
Fecal Coliform:														
Effluent, No./100 ml	6												6	200/100 ml (1)
Chlorine Residual:														
Effluent, mg/L	0.19												0.19	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 - 2022

Month	Total			City Regions					Suburb Regions					Total Precip inches
	Flow	City	Suburbs	1	2	3	4	5	6	7	8	9	10	
January	18.400	7.202	11.198	6.361	0.158	0.300	0.254	0.129	1.300	4.217	1.820	3.532	0.329	2.170
February														
March														
April														
May														
June														
July														
August														
September														
October														
November														
December														
Average	18.40	7.20	11.20											2.17
Percent	100.00	39.14	60.86											2.17

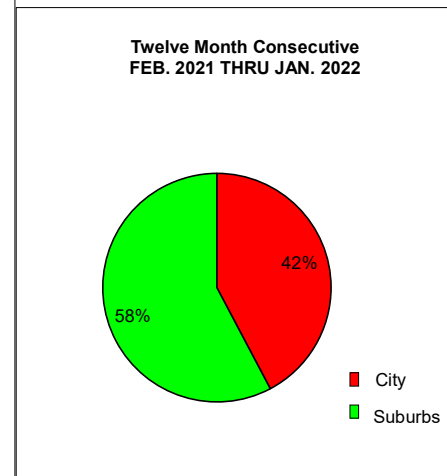
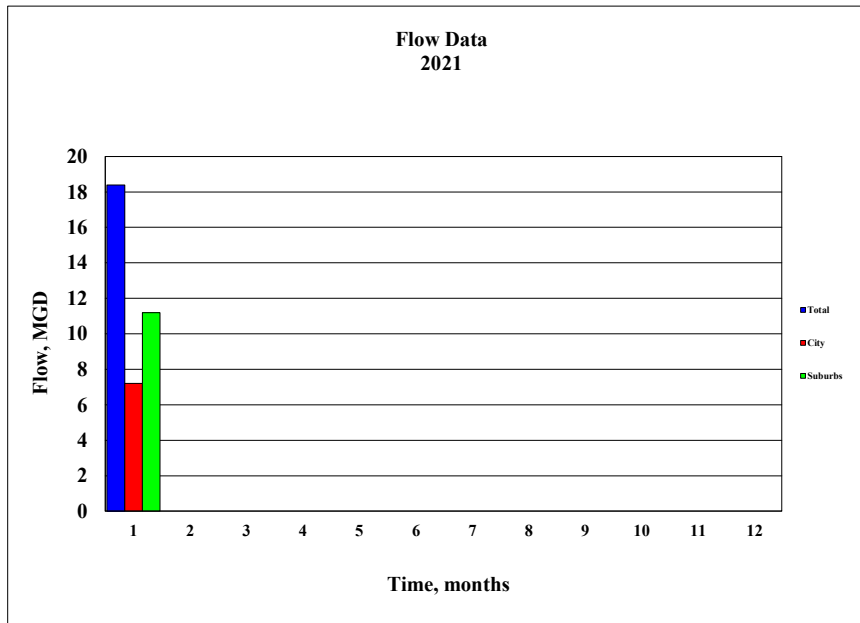


EXHIBIT C

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Treatment Utility and Chemical Usage - 2022

Utility / Chemical	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Electric														
Total, kWh														0
Average, kWh/Day	0												0	-----
Cost, Dollars														\$0.00
Natural Gas														
Total, Cu Ft														0
Average, Cu Ft/Day	0												0	-----
Cost, Dollars														\$0.00
Water														
Total, Gal.														0
Average, Gal./Day	0												0	-----
Cost, Dollars														\$0.00
MicroC														
Total, Gal.	0												0	0
Average, Gal./Day	0.0												0	-----
Cost, Dollars	\$0												\$0.00	\$0.00
Sodium Hydroxide														
Total, Gal.	0												0	0
Average, Gal./Day	0												0	-----
Cost, Dollars	0												\$0.00	\$0.00
Chlorine Disinfection														
Total, Lbs.	5,340												5,340	5,340
Average, Lbs./Day	172												172	-----
Avg Residual, mg/L	0.19												0.19	-----
Cost, \$/Lbs.	\$0.99												\$0.99	-----
Total Cost, Dollars	\$5,281.26												\$5,281.26	\$5,281.26
Phosphorous Removal														
Total FeCl3, Gals.	507												507	507
Avg FeCl3, Gals./Day	16												16	-----
FeCl3 Cost, \$/Gal.	\$1.26												\$1.26	-----
FeCl3 Total Cost, Dollars	\$639.32												\$639.32	\$639.32

* No data at time of report

EXHIBIT D

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Cogeneration Electrical Production: 2021-2022

	Period	Percent Run Time	Daily Avg Kilowatt	Kilowatt Hours Produced	Estimated Revenue
January 2021		12	377	11,700	\$901.25
February 2021		75	3,632	101,700	\$7,833.95
March 2021		84	4,384	135,900	\$10,468.38
April 2021		77	4,380	131,400	\$10,121.74
May 2021		79	3,454	107,100	\$8,249.91
June 2021		42	1,920	57,600	\$4,436.93
July 2021		8	406	12,600	\$970.58
August 2021		26	784	24,300	\$1,871.83
September 2021		27	1,260	37,800	\$2,911.73
October 2021		26	1,103	34,200	\$2,634.43
November 2021		12	510	15,300	\$1,178.56
December 2021		2	87	2,700	\$207.98
<hr/>					
Total - 2021				672,300	\$51,787.27
Monthly Average - 2021		39	1,858	56,025	\$4,315.61
January 2022		2	58	1,800	\$138.65
February 2022					\$0.00
March 2022					\$0.00
April 2022					\$0.00
May 2022					\$0.00
June 2022					\$0.00
July 2022					\$0.00
August 2022					\$0.00
September 2022					\$0.00
October 2022					\$0.00
November 2022					\$0.00
December 2022					\$0.00
<hr/>					
Total - 2022				1,800	\$138.65
Monthly Average - 2022		2	58	1,800	\$12.60

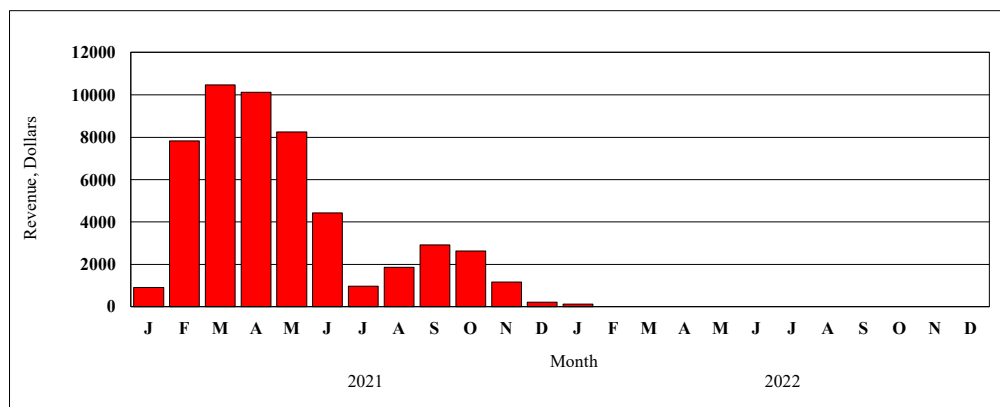


EXHIBIT E

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Sludge Handling Information - 2022

Process	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Solids Removal														
Process, Lbs.	1,949,686												1,949,686	1,949,686
CWH Program, Lbs.	69,353												69,353	69,353
Total Solids, Lbs.	2,019,039												2,019,039	2,019,039
Sludge Dewatering														
Feed Volume, Gals.	3,577,000												3,577,000	3,577,000
Feed Solids, %	1.7												1.7	-
Labor, Hours	459												459	459
Operations, Hours	930												930	930
Total Cake, Dry Tons	179												179	179
Total Cake, Wet Tons	1,149												1,149	1,149
Cake TS, %	15.5												15.5	-
Press Rate, Lbs./Hour	2,472												2,472	2,472
Polymer Dosage, Lbs	3,188												3,188	3,188
Polymer Dosage, Lbs/Dry	20.4												20.4	-
Disposal Cost														
Labor, Dollars	\$8,821.98												\$8,821.98	\$8,821.98
Electrical, Dollars	\$409.07												\$409.07	\$409.07
Polymer, Dollars	\$6,120.96												\$6,120.96	\$6,120.96
Disposal, Dollars	\$27,763.12												\$27,763.12	\$27,763.12
Total Cost, Dollars	\$43,115.13												\$43,115.13	\$43,115.13
Cost Per Dry Ton, Dollars	\$240.87												\$240.87	

CAPITAL REGION WATER ADVANCED WASTEWATER TREATMENT FACILITY

Conveyance Utility Usage - 2022

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

* No Data at time of report

EXHIBIT G

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Contract Waste Hauling Program 2021 - 2022

Month	Process		Septic			Total
	Gallons	Revenue	Gallons	Revenue	Gallons	Revenue
January	2,207,599	\$63,748.15	118,100	\$4,255.20	119,200	\$68,003.35
February	765,460	\$23,088.42	81,060	\$2,864.16	846,520	\$25,952.58
March	3,321,165	\$92,510.78	239,250	\$8,559.00	3,560,415	\$101,069.78
April	2,345,220	\$67,928.04	366,960	\$13,093.56	2,712,180	\$81,021.60
May	1,571,220	\$47,547.72	278,050	\$9,883.80	1,489,270	\$57,431.52
June	2,116,390	\$61,668.09	265,920	\$9,380.70	2,382,340	\$71,048.79
July	1,683,380	\$48,625.56	233,900	\$8,366.40	1,917,280	\$56,991.96
August	1,157,030	\$34,517.61	327,260	\$11,655.36	1,484,290	\$46,172.97
September	1,591,020	\$45,863.64	220,840	\$7,779.24	1,811,860	\$53,642.88
October	1,495,740	\$42,324.00	273,850	\$9,786.60	1,769,590	\$52,110.90
November	1,667,580	\$48,803.22	277,250	\$9,864.00	1,944,830	\$58,667.22
December	988,550	\$29,082.69	253,150	\$9,041.40	1,241,700	\$38,124.09
Total - 2021	20,910,354	\$605,707.92	2,935,590	\$104,529.42	21,279,475	\$710,237.64
Monthly Average - 2021	1,742,530	\$50,475.66	244,633	\$8,710.79	1,773,290	\$59,186.47

January	557,788	\$18,254.25	78,450	\$2,770.20	636,238	\$21,024.45
February						
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
Total - 2022	557,788	\$18,254.25	78,450	\$2,770.20	636,238	\$21,024.45
Monthly Average - 2022	557,788	\$18,254.25	78,450	\$2,770.20	636,238	\$21,024.45

