

Ensure Financial Stability	
Reconciled Bank Account Balances	Refer to attached Reconciled Bank Account Balances as of 12/31/2022.
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 Grant Management Report.
Ensure Revenues are Consistent with System Usage	
Water Shut-offs	There were 0 water shut-offs for non-payment, 6 were turned back on after payment from previous months' shut offs, and 36 service shut-off requests.
Repair/Replace Meters/MXUs/Batteries	Drinking Water Distribution staff replaced 29 water meters, replaced 195 batteries, and 46 MXUs.
Reduce Wet Weather Impacts to Infrastructure, Community, and Receiving Waters	
Negotiate with PADEP/U.S. EPA/DOJ on Past and Future Practices	CRW received comments on the Water Quality Monitoring Plan and will be meeting with the agencies in late January to review.
Develop Necessary Planning for Implementation of Green Infrastructure	Phase 4 PENNVEST SW Pro-Fi Project funding with PENNVEST will close on 2/7/2023 and Notice to Proceed will be issued.
Joint Pollutant Reduction Plan - Collaborate with Suburban Partners on MS4	No update.
Obtain and Comply with Individual MS4 Permit	No update.
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.
	The AWTF met all NPDES permit parameters for the month of December. Four Sanitary Sewer Overflows were reported.
Notice of Violations (NOVs)	There were no NOVs received by the Drinking Water department in December.
	A NOV regarding an "Unanticipated Bypass of Secondary Treatment" was received by the Wastewater department in December. The event was the result of an electrical power failure. A response letter describing the remedial action already taken was promptly provided to PADEP.
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 December.
CCTV	A total of 3,971 feet (0.75 miles) of sewer pipe were assessed by CCTV footage during the month of December. A total of 4,036 feet (0.76 miles) of pipe were flushed as well.
Incident Response	Wastewater responded to 17 backup and overflow calls from residents during the month of December. CRW was liable for four.

Geographic Information System (GIS)	<ul style="list-style-type: none"> • Twenty-six (26) Pennsylvania One Call tickets, 22 requiring maps and 4 with no facilities, were completed by GIS. • Bi-weekly meetings were held with KCI Technologies, Inc. • Progress continues with the development of the ESRI "Lead Service Line Inventory Solution". • GIS Analyst presented on our progress with the Lead Service Line Solution at the 2022 ESRI Mid-Atlantic Summit in Philadelphia.
Cityworks	[REDACTED]
Asset Management	Received the 2022 e-Pulse water main condition project geodatabase and prepared data for integration into the water distribution risk model. The water distribution risk model is actively being developed and incorporated into [REDACTED] software. Development of CRW's Collection System Asset Management Plan continues in 2023, with the next meeting scheduled for 1/19/2023. Several AM Roadmap Phase 1, Year 2 activities have been scheduled for kickoff with respective Roadmap Implementation Groups. Progress in dashboard development was demonstrated 12/21/2022 with a reveal of next iteration. The lead service line inventory work group is scheduled to meet 1/24/2023.
Development Review Summary	For details, see attached Development Stormwater Management Review Summary spreadsheet for January.

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

Professional & Contractor Services	<p>Recommend Board approval of the following Resolutions, Task Orders, Change Orders and Agreements:</p> <p>Drinking Water:</p> <ul style="list-style-type: none"> • Task Order 2023-03-01: Engineering Services for 2023 Cityworks Support [REDACTED] • Ratification of Change Order No. 1 for Cost Increase of Backwash Pump 604B Repair Services [REDACTED] <p>Wastewater:</p> <ul style="list-style-type: none"> • Resolution No. 2023-001 - Authorization to Execute License Agreement with PennDOT for Arsenal Boulevard Sewer Improvements Project <p>Stormwater:</p> <ul style="list-style-type: none"> • Task Order 2023-04-01: Engineering Services for 2023 GSI Operation & Maintenance [REDACTED]
Stormwater O&M Agreements	Recommend Board approval of the following: None.
AWTF Primary Digesters Rehabilitation	No update. The contractors are addressing punch list items and site cleanup.
AWTF Energy Recovery Improvements	No update. Permit applications are being reviewed by PADEP.
Front Street Pumping Station Improvements	Outstanding work includes a blackout (electrical) test scheduled for 1/24/2023.
WSC Flocculator Equipment Replacement	Installation of new equipment is ongoing in Basins 301 and 302.

Undertake Renewal and Replacement Projects	
2021 Water System Improvements	The project is complete and will be removed from future reports.
2022 Water System Improvements	The project has begun with installation of water main in the Sylvan Terrace neighborhood.
Cameron Street Water Main - Phase 4	Design is complete and the project will be advertised for bids in January 2023.
2023 Sewer System Improvements (Excavation)	The contractor continues to provide submittals for approval before physical construction can begin.
2023 Sewer System Improvements (Trenchless)	The contractor continues to provide submittals for approval before physical construction can begin.
Arsenal Boulevard Sewer Improvements	We are working with property owners to acquire temporary and construction easements which are needed before advertising the project.
Front Street Interceptor Rehabilitation - Phase 2	The contractor continues pre-construction activities of cleaning and televisual pipe inspections; both are expected to be complete by the end of January. A subcontractor continues preparing and staging the temporary bypass pipe.
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, pumping stations, and at the North Front Street office building throughout the month of December. A narrative is provided in the Wastewater Department Monthly Report.
Sinkhole Program	Four sinkholes were investigated by CRW in the month of December. Wastewater was liable for none, and Water was liable for none.
Inlet Cleaning	A total of 31 stormwater inlets were cleaned during the month of December, and 29 stormwater inlet inspections were performed.

Operate as an Efficient, Sustainable and Resilient Water Utility	
DeHart Property Stewardship	In accordance with the DeHart Property Forest Management Plan, a regeneration harvest is underway in MUs 20, 34, 36, and 37 (approximately 155 acres). Harvest will improve forest health and release regeneration of a more desirable understory.
Sustainability	No update.
Internal Communications	Intranet (Sharepoint) site continues to be used.

Inform and Listen to Customers and Encourage Stewardship of our Systems	
Media Relations - Press and Social Media	<p>PRESS RELEASES: "Capital Region Water Board Approves Budgets And Rates for 2023"- Dec 1, 2022.</p> <p>SOCIAL MEDIA TOPICS:</p> <p>Facebook: 10 New Organic Followers (1,609 Total). 8 Posts & 4 Stories; Highest Engaged Post: "Employee of the Month - Bob Lipscomb" (401 Reaches, 34 Reactions, 8 Comments, 2 Shares,); Other topics: Holiday Closures, Emergency Sewer Repair, Boil Water Advisory and Lift Notice, Street Sweepers Out of Order.</p> <p>Twitter: 1 Tweet; Month overview: 496 total Impressions; 248 Profile Visits; -2 New Followers; 1 Mention.</p> <p>Instagram: 3 New followers (668 Total), 8 Posts and 4 Stories; Highest Engaged Post: "Employee of the Month - Bob Lipscomb" 55 Organic Reaches, 6 likes, 0 comments.</p> <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 Outreach:</p> <ul style="list-style-type: none"> • One (1) community event (CRW Volunteer Appreciation Luncheon). • One (1) community meeting (CRW Community Ambassadors). • Delivered eight (8) door-to-door notifications impacting about 345 customers. Included 1 Boil Water Advisory, 1 Boil Water Advisory Lift Notice, 5 project notifications, and 1 notification regarding homeowner responsibilities and sewer backup prevention. • Two (2) Everbridge alerts.



Public Communications	WHAT'S ON TAP COMMUNICATION: The December monthly bill stuffer was distributed as a bill insert. Topics included: Protect Your Plumbing, preventing frozen pipes and mains and budget season 2023.
Diversity	The Business Diversity Program conducted outreach to community stakeholders, businesses, and elected officials. Harrisburg City Council were each sent copies of the Business Diversity Program's 5 Year Report.

Administrative	
Risk Management	<p>Insurance Claims:</p> <ul style="list-style-type: none"> • General Liability - two claims were opened but denied due to weather related events and system is being maintained appropriately. • Auto - one claim was reopened from 2021 and waiting on additional information. One damage claim was submitted and closed this month. • Injuries - two (2) claims remain open. Two new claims with no lost work time. • Property - no claims. <p>Training:</p> <ul style="list-style-type: none"> • Training for workers at Drinking Water is being completed. • Completed confined space training and equipment review was completed. • Upcoming trainings for workers for trench rescue and self-contained breathing apparatus (SCBA) use. • The new safety courses will be formatted and then placed on the Risk Management/Safety page on Intranet (SharePoint).
Human Resources	For details, see attached Recruiting Status Report.
Procurement	<ul style="list-style-type: none"> • Procurement staff met with Operations and Finance staff and established a 2023 procurement planning schedule for capital improvement projects on 12/19/2022. • Procurement staff established contracts that includes fixed rate pricing and discounts with vendors frequently used for fleet maintenance and repair services. <p>Recommend Board approval of the following:</p> <ul style="list-style-type: none"> • Project Number 2022-206 – Procurement of Backwash Pit Safety Railing System [REDACTED]
Information Technologies (IT)	[REDACTED]



Monthly Management Report

CRW Directors and Staff

December 2022

As of January 18, 2023

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Office Management and Admin Professional Services and Construction	<p>Incoming Correspondence Report: Refer to attached Incoming Correspondence Report for December 2022.</p> <p>Street/Sidewalk-Cut Permits: Two (2) Drinking Water and one (1) Sewer permits were issued. One (1) Drinking Water and four (4) Sewer permits were successfully completed, inspected, and closed by the City of Harrisburg's Engineer.</p>
Right-to-Know Requests	<p>CRW has received and responded to one (1) Right-to-Know request during the period 12/15/2022 through 1/18/2023. 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: None.</p> <p>RTK 2022-018 - Maribel Sola - All water shutoffs by CRW for the past six months for commercial or residential properties. Response due: 1/4/2023. Response provided 1/4/2023 for 30-day extension until 2/3/2023.</p>



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WATER

Reconciled Bank Account Balances



Reconciled Bank Account Balances

12/31/2022

Unrestricted Cash Accounts	Balance	APY	Bank	
ADMIN				
Business Checking-6908	\$ 473,990.87	0.65%	First National Bank	
Money Market-Admin-0621	\$ 90,364.71	3.09%	First National Bank	
FNB Lockbox-6393	\$ 91,971.91	0.0000%	First National Bank	
General Account-7892	\$ 527,127.81	0.00%	First National Bank	
Project Fund-6990	\$ 435,871.29	3.09%	First National Bank	
WATER				
Water Revenue Fund-6833	\$ 2,444,298.25	0.00%	First National Bank	Earnings Generated offset fees for Services
Money Market-Water-0639	\$ 5,107,640.69	3.09%	First National Bank	
Water 2022 Pennvest-1878	\$ 7,261.28	0.00%	First National Bank	
SEWER				
Sewer Revenue Account-5819	\$ 1,475,366.11	0.00%	First National Bank	Earnings Generated offset fees for Services
Money Market-Sewer-0589	\$ 10,421,264.09	3.09%	First National Bank	
Sewer 2021 Pennvest-5846	\$ 8,315.55	0.00%	First National Bank	
Sewer Pennvest-3642	\$ 92,884.83	0.00%	First National Bank	
Sewer 2022 Pennvest-6430	\$ -	0.00%	First National Bank	
STORMWATER				
Stormwater Revenue Account-8814	\$ 519,047.66	0.00%	First National Bank	Earnings Generated offset fees for Services
Stormwater Money Market-4633	\$ 1,259,262.52	3.09%	First National Bank	
Stormwater Pennvest-0241	\$ 11,017.02	0.00%	First National Bank	
Restricted Cash Accounts				
WATER				
Water Operation Reserve Account-6841	\$ 1,722,061.73	3.09%	First National Bank	
Water Contingency Account-6866	\$ 1,448,776.56	3.09%	First National Bank	
Water Contingency Subaccount -0328	\$ 1,883,826.61	3.09%	First National Bank	
Water 2016A Debt Service Reserve-517295	\$ 5,951,996.16	4.1100%	Bank of New York	
Water 2016A Debt Service Fund-517296	\$ 3,186,339.03	4.1100%	Bank of New York	
Water 2018 Debt Service Reserve-763549	\$ 4,297,760.70	4.1100%	Bank of New York	
Water 2018 Debt Service Fund-763548	\$ 1,239,025.34	4.1100%	Bank of New York	
Water 2018 Bond-Construction-763594	\$ 4.93	4.0600%	Bank of New York	
SEWER				
Wastewater 2017 Debt Service Reserve-721503	\$ 2,951,967.95	4.11%	Bank of New York	
Wastewater 2017 Debt Service Fund-721387	\$ 1,199,891.19	4.11%	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 Term Investment	\$ 3,500,000.00	Variable	PLGIT	\$500,000 increment
Water CD Apr 2023-2600	\$ 1,000,000.00	3.4355%	First National Bank	
Water CD Dec 2022-2588	\$ 1,000,000.00	2.9473%	First National Bank	
Water CD Feb 2023-2594	\$ 1,000,000.00	3.2892%	First National Bank	
Water CD Jan 2023-2591	\$ 1,000,000.00	3.0451%	First National Bank	
Water CD Mar 2023-2597	\$ 1,000,000.00	3.3381%	First National Bank	
Water CD Aug 2023-0604	\$ 500,000.00	5.188%	First National Bank	
Water CD Sept 2023-0619	\$ 500,000.00	5.236%	First National Bank	
Water CD Nov 2022-2585	\$ 1,000,000.00	2.7319%	First National Bank	
SEWER				
Sewer CD Dec 2022-9714	\$ 500,000.00	1.96063%	First National Bank	
Sewer CD Feb 2023-9720	\$ 500,000.00	2.0935%	First National Bank	
Sewer CD Jan 2023-9717	\$ 500,000.00	2.0147%	First National Bank	
Sewer CD Nov 2022-9711	\$ 500,000.00	1.709%	First National Bank	
Sewer CD May 2023-0574	\$ 500,000.00	5.0919%	First National Bank	



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WATER

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											
FY23 Community Project Funding Appropriations Request	Green Stormwater Infrastructure	Riverfront Park Green Infrastructure Project	4/25/2022	TBD	TBD	\$2,000,000	Cash	\$600,000	TBD	\$0	
Department of Community and Economic 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	
National Fish and Wildlife Foundation	Chesapeake Bay Innovative Nutrient and Sediment Reduction Grant	Enhancing Community Connections Through Clean Water Project	11/17/2022	3/1/2023	TBD	\$1,000,000	Cash	\$300,000	TBD	\$0	
SUB TOTALS						\$13,500,000		\$6,175,105		\$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	\$0	Phase 1 settlement occurred on 7/7/2022
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	\$3,292,257	Final submission for R-III contract submitted on 9/28/2022 and disbursed on 10/17/2022
PENNVEST	Infrastructure (Projects)	ProFi Green Infrastructure PENNVEST Loan	COMPLETED	10/16/2019	10/16/2019	\$13,000,000	Loan	\$0	\$13,000,000	\$2,684,157	Phase 4 scheduled to close on 2/7/2023 Approximately \$350,000 to be submitted prior to 1/31/2023
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	\$556,727.45 is PENNVEST holdback amount for project
Impact Harrisburg (IH)	Local Stormwater	Project with City of Harrisburg Parks & Rec.	COMPLETED	11/16/2017	11/16/2017	\$250,000	Cash	\$200,000	\$250,000	\$177,030	Project complete and all funding as it relates to the IH, COH, and CRW Parks Project received
PENNVEST	Infrastructure (Projects)	ProFi Drinking Water System Improvements	COMPLETED	4/20/2022	4/20/2022	\$41,622,000	Loan	\$0	\$41,622,000	\$105,348	Phase 1 settlement occurred on 7/7/2022 \$240,758 submitted for reimbursement on 12/19/2022
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	\$92,933	Awarded on 2/7/2022
SUB TOTALS						\$152,112,158		\$1,700,000	\$110,386,900	\$16,931,780	
Capital Region Water's Not Awarded Grants & Loans											
Susquehanna River Basin Commission (SRBC)	Consumptive Use Mitigation Grant Program	Paxton Creek Restoration Planning Project	1/28/2022	3/31/2022	3/31/2022	\$1,536,429	Cash	\$255,000	\$0	\$0	Notified on 3/31/2022 that CRW was not selected for grant funding
SUB TOTALS						\$1,536,429		\$255,000	\$0	\$0	

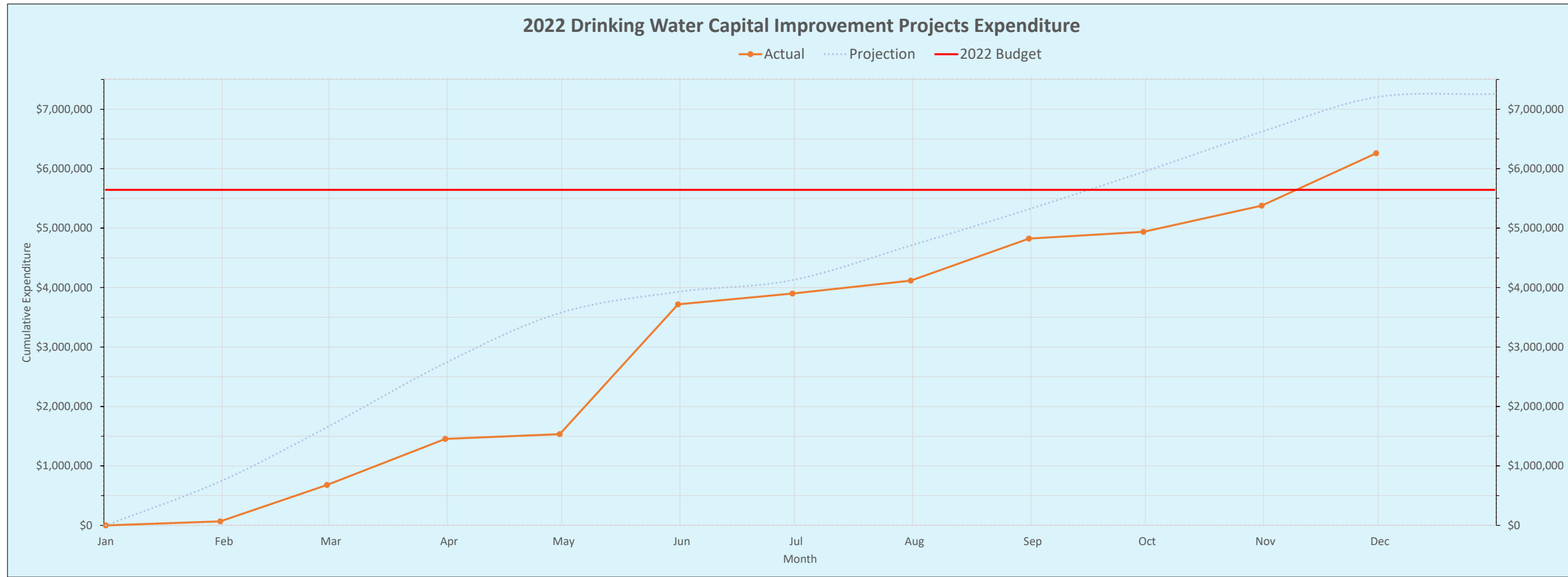


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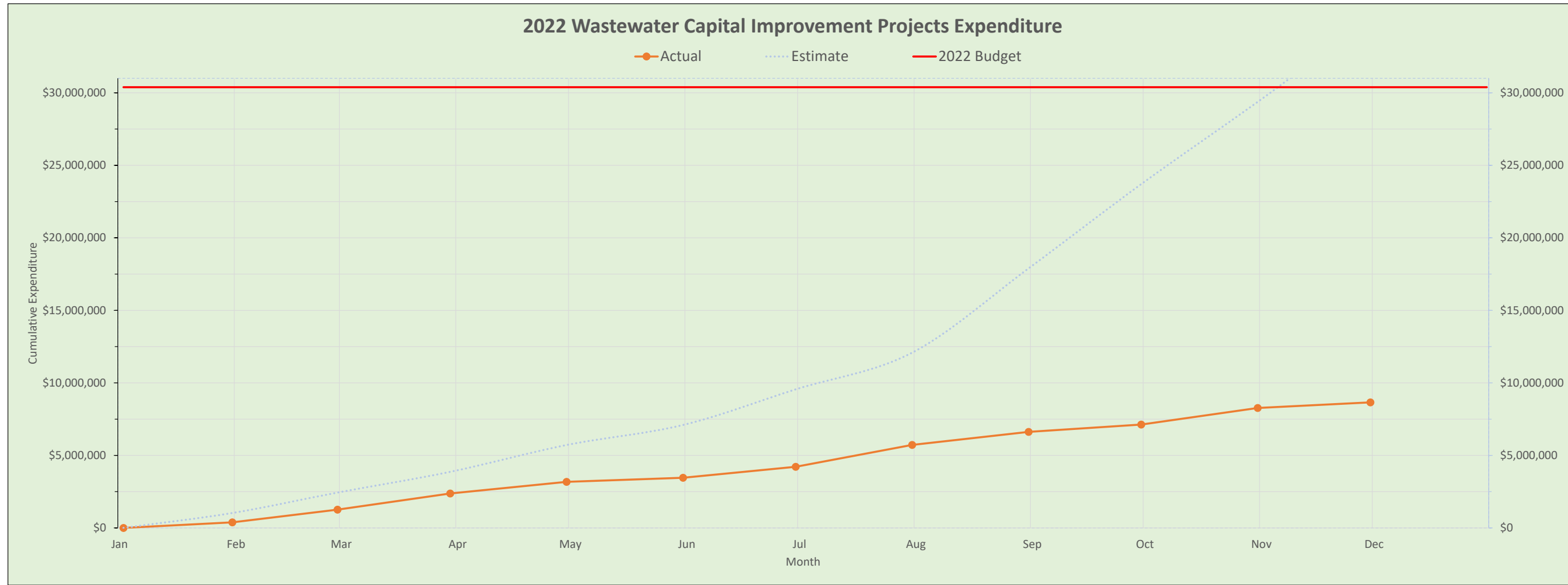
Capital Improvement Projects Report

Drinking Water Capital Improvement Projects Report



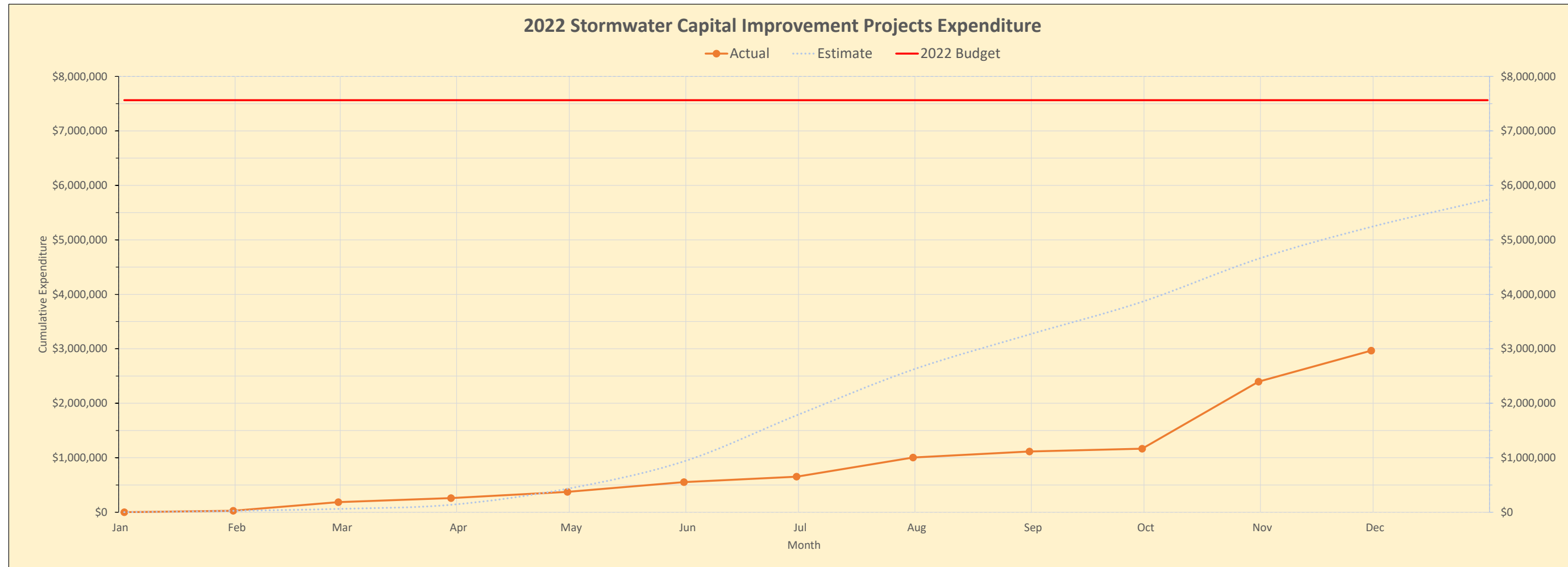
ACTUAL EXPENDITURE (from Finance)

MUNIS Project Code	Description	Status	Actual Expenditure												2022 Budget			
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		YTD	% Budget Expended	
60800801-80100-00006	Mountain Line Repairs	STUDY	\$ -	\$ -	\$ -	\$ 1,803	\$ -	\$ -	\$ -	\$ 311	\$ 2,467	\$ -	\$ 378	\$ -	\$ -	\$ 4,959	3%	165,000
60800801-80100-00015	Water Main Replacement	CONSTRUCTION	\$ 37,834	\$ 156,621	\$ 655,552	\$ 55,274	\$ 422,516	\$ 131,702	\$ 97,684	\$ 26,619	\$ 86,491	\$ 10,227	\$ 782,045	\$ -	\$ -	\$ 2,821,915	103%	2,750,000
60800801-80100-00226	2022 Water System Improvement (PV)	CONSTRUCTION	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 67,441	\$ 4,295	\$ -	\$ 268,720	\$ 18,895	\$ -	\$ -	\$ 106,198	106%	100,000
60800801-80100-00016	Water Main Condition Assessment	CONSTRUCTION	\$ -	\$ 9,285	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 67,839	\$ 29,074	\$ -	\$ -	\$ 106,198	106%	100,000
60800801-80100-00050	DeHart Spillway Improvements	DESIGN	\$ -	\$ 42,934	\$ 37,445	\$ 60	\$ 26,602	\$ -	\$ -	\$ -	\$ -	\$ 52,522	\$ 51,010	\$ -	\$ -	\$ 210,573	34%	626,000
60800801-80100-00081	Cameron Street Water Main	CONSTRUCTION	\$ 29,706	\$ 404,529	\$ 81,189	\$ 23,405	\$ 1,733,703	\$ 48,775	\$ -	\$ 676,455	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,114,326	171%	1,824,000
60800801-80100-00228	Cameron St. Water Main Improve (PV)	DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 51,918	\$ -	\$ 25,220	\$ 39,426	\$ -	\$ -	\$ -	\$ 116,564	0%	119,000
60800801-80100-00105	Automatic Meter Reading Tower	STUDY	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 540	\$ -	\$ -	\$ -	\$ 540	1%	50,000
60800801-80100-00118	Wtr PennDOT I-83 Expansion	DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0%	119,000
60800801-80100-00122	Wtr Soda Ash Conversion	CONSTRUCTION	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0%	10,000
Actual Monthly Expenditure			\$ 67,540	\$ 613,369	\$ 774,187	\$ 80,541	\$ 2,182,822	\$ 180,477	\$ 217,043	\$ 707,680	\$ 114,178	\$ 439,273	\$ 881,402	\$ -	\$ -	\$ 6,258,512	110.9%	5,644,000
Actual CUMULATIVE Expenditure			\$ 67,540	\$ 680,909	\$ 1,455,096	\$ 1,535,637	\$ 3,718,459	\$ 3,898,936	\$ 4,115,979	\$ 4,823,659	\$ 4,937,837	\$ 5,377,110	\$ 6,258,512	\$ -	\$ -	\$ 6,258,512		



ACTUAL EXPENDITURE (from Finance)

MUNIS Project Code	Description	Status	Actual Expenditure (from Finance)												Actual Expenditure YTD	% Budget Expended	2022 Budget
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
80800801-80100-00020	Primary Digester Rehabilitation	CONSTRUCTION	\$ 82,670	\$ 139,992	\$ 153,033	\$ 71,984	\$ 70,072	\$ 68,737	\$ -	\$ -	\$ -	\$ 101,531	\$ 49,129	\$ -	\$ 737,147	172%	427,838
80800801-80100-00023	AWTF Energy Recovery Improv	DESIGN	\$ 200	\$ -	\$ -	\$ 160,283	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 160,483	7%	2,400,000
80800801-80100-00024	Primary Clarifier Improvement	DESIGN	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 654	\$ 1,015	\$ 777	\$ -	\$ 2,445	1%	168,000
80800801-80100-00025	Front St Pump Station Des/Cons	CONSTRUCTION	\$ -	\$ 18,563	\$ 5,504	\$ 125,511	\$ 12,347	\$ 67,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 229,674	63%	366,875
80800801-80100-00026	Collection System Rehab	CONSTRUCTION	\$ 86,251	\$ 301,457	\$ 315,544	\$ 39,014	\$ 130,813	\$ 531,799	\$ 133,797	\$ 685,793	\$ 33,019	\$ 323,971	\$ 258,551	\$ -	\$ 6,765,249	70%	9,725,260
80800801-80100-00127	Sewer Rehab PV Project	CONSTRUCTION	\$ 196,190	\$ 383,912	\$ 610,982	\$ 383,214	\$ 24,644	\$ 8,281	\$ 1,220,414	\$ 48,857	\$ 471,722	\$ 577,024	\$ -	\$ -	\$ -	\$ -	\$ -
80800801-80100-00028	Paxton Creek Interceptor Repair	STUDY	\$ 96	\$ -	\$ 600	\$ 4,610	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,306	2%	350,000
80800801-80100-00061	Arsenal Boulevard Sewer Improv	DESIGN	\$ 17,515	\$ 16,270	\$ 6,899	\$ 8,728	\$ 5,351	\$ 916	\$ -	\$ -	\$ -	\$ 9,512	\$ -	\$ -	\$ 65,190	7%	991,000
80800801-80100-00065	Other Multi-Modal CCTV Investi	STUDY	\$ -	\$ 3,888	\$ -	\$ -	\$ -	\$ 57,220	\$ 137,985	\$ 126,684	\$ -	\$ 112,635	\$ 51,637	\$ -	\$ 490,048	98%	500,000
80800801-80100-00083	Front St Interceptor Rehab P2	BID/AWARD	\$ 919	\$ 227	\$ 2,220	\$ 2,524	\$ 28,663	\$ 16,491	\$ 6,036	\$ 31,148	\$ -	\$ 22,170	\$ 23,042	\$ -	\$ 133,440	1%	15,409,000
80800801-80100-00115	PennDOT I-83 Expansion	DESIGN	\$ -	\$ 14,397	\$ 11,237	\$ 6,140	\$ 2,779	\$ 3,542	\$ 4,995	\$ 6,116	\$ -	\$ -	\$ 1,654	\$ -	\$ 50,860	106%	48,000
80800801-80100-00126	3rd & Wiconisco Separation	DESIGN	\$ 640	\$ -	\$ 1,506	\$ 5,639	\$ 4,061	\$ 3,426	\$ 869	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,140	4%	435,000
Actual Monthly Expenditure			\$ 384,481	\$ 878,706	\$ 1,107,525	\$ 807,646	\$ 278,730	\$ 758,159	\$ 1,504,096	\$ 898,597	\$ 505,395	\$ 1,147,857	\$ 384,789	\$ -	\$ 8,639,841	28.4%	\$ 30,385,973
Actual CUMULATIVE Expenditure			\$ 384,481	\$ 1,263,187	\$ 2,370,712	\$ 3,178,358	\$ 3,457,088	\$ 4,215,248	\$ 5,719,344	\$ 6,617,940	\$ 7,123,336	\$ 8,271,192	\$ 8,655,981	\$ -	\$ -	\$ -	\$ -



ACTUAL EXPENDITURE (from Finance)

MUNIS Project Code	Description	Status	Actual Expenditure (from Finance)												Actual Expenditure YTD	% Budget Expended	2022 Budget
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
90800801-80100-00087	Camp Curtin Big Green Blok GSI	CONSTRUCTION	\$ 109	\$ 516	\$ 29,558	\$ -	\$ -	\$ -	\$ -	\$ 97,719	\$ 13,751	\$ 907,812	\$ 110,697	\$ -	\$ 1,160,162	53%	2,197,000
90800801-80100-00091	Paxton Crk TMDL Joint PRP MS4	CONSTRUCTION	\$ -	\$ -	\$ -	\$ 5,000	\$ -	\$ -	\$ 240,000	\$ -	\$ -	\$ -	\$ 56,773	\$ -	\$ 301,773	146%	206,620
90800801-80100-00108	SW Pond Retrofit - Bellevue Pa	CONSTRUCTION	\$ 1,818	\$ 1,344	\$ -	\$ 33,758	\$ 151,774	\$ 16,324	\$ 32,086	\$ -	\$ 26,455	\$ 317,645	\$ 292,569	\$ -	\$ 873,774	63%	1,396,000
90800801-80100-00124	Sw PENNVEST Pro-Fi Phase 4	BID/AWARD	\$ 24,221	\$ 131,972	\$ 31,817	\$ 77,118	\$ 23,157	\$ 2,531	\$ 15,908	\$ 12,679	\$ -	\$ -	\$ -	\$ -	\$ 319,403	9%	3,464,510
90800801-80100-00125	Sw PENNVEST Pro-Fi Phase 5	DESIGN	\$ -	\$ 25,915	\$ 11,237	\$ -	\$ 3,132	\$ 80,964	\$ 64,345	\$ -	\$ 11,582	\$ 5,388	\$ 109,037	\$ -	\$ 311,599	104%	300,000
Actual Monthly Expenditure			\$ 26,148	\$ 159,747	\$ 72,611	\$ 115,876	\$ 178,064	\$ 99,820	\$ 352,338	\$ 110,397	\$ 51,787	\$ 1,230,845	\$ 569,076	\$ -	\$ 2,966,710	39.2%	\$ 7,564,130
Actual CUMULATIVE Expenditure			\$ 26,148	\$ 185,895	\$ 258,507	\$ 374,383	\$ 552,447	\$ 652,266	\$ 1,004,605	\$ 1,115,002	\$ 1,166,789	\$ 2,397,634	\$ 2,966,710	\$ -	\$ -	\$ -	\$ -



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Development Stormwater Management Review Summary



Development Stormwater Management Review Summary

January 13, 2023 Status Report

Development	Status	Latest Submittal	Latest Comments	Act 167 Watershed	BMP	Disturbed Area (Ac)	Rate Control	Volume Control	Infiltration	Comment
137 South 17th Street	Preliminary/Final Development	9/16/2019	10/10/2019	Paxton Creek	Detention Basin	0.85	X			Need executed O&M
Kelker Street and North 5th Street	Preliminary/Final Development	12/17/2019	11/19/2020	Susquehanna River	Infiltration Beds	0.166	X	X	X	O&M received
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
Bethesda Mission	Preliminary/Final Development	2/10/2020	2/20/2020	Paxton Creek	Rain Garden	0.4	X	X	X	Sent comment letter on 2/20/2020
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
Harrisburg Military Post	Preliminary/Final Development	3/5/2020	4/24/2020	Paxton Creek	SWM Facility	5.95	X	X	X	Sent comment letter on 4/24/2020
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
Riverfront Office Lot	Preliminary/Final Development	2/3/2021	3/2/2021	Susquehanna River	Infiltration Bed	2.57	X	X		Sent comment letter on 3/2/2021
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



Development Stormwater Management Review Summary

January 13, 2023 Status Report

Development	Status	Latest Submittal	Latest Comments	Act 167 Watershed	BMP	Disturbed Area (Ac)	Rate Control	Volume Control	Infiltration	Comment
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
1719 Market Street	Preliminary/Final Development	8/24/2021	9/20/2021	Paxton Creek	Underground Infiltration Facility	0.5	x	x	x	Approved and O&M received
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
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
100 North 13 Street	Preliminary/Final Development	2/11/2022	3/1/2022	Paxton Creek	Pervious Pavement	0.13	x	x		Sent comment letter on 3/1/2022
1400 Sycamore Street	Preliminary/Final Development	4/15/2022	5/11/2022	Paxton Creek	Pervious Pavement	0.38	x	x	x	Sent comment letter on 5/11/2022
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



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Recruiting Status

New Hires

Position	Employee	Effective Date	Service Area
None			

Resignations/Retirements

Position	Employee	Effective Date
Procurement Manager	Jeffrey Guilmette	12/6/2022
Maintenance Specialist - Drinking Water	Ryan Hart	12/30/2022

Open Positions

Position	Status	Service Area
Project Manager/ Design Engineer	Interview Process Underway	N/A
Superintendent – Drinking Water	Interview Process Underway	N/A
Procurement Manager	Open	N/A
Customer Service Assistant Manager	Open	N/A
Maintenance Specialist – Drinking Water	Internal Posting	N/A



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Incoming Correspondence Report

Incoming Correspondence Report

December 2022

Date Received	Date of Correspondence	Company/Agency and Name of Sender	Reference	CRW Addressee/ Received by/ Provided to
12/1/2022	11/21/2022	US Bankruptcy Court - Middle District of PA	[REDACTED]	Addressed to: CRW Received by: Janice Miller-Zerbe Provided to: Wendy Shollenberger



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Drinking Water





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DRINKING WATER DEPARTMENT MONTHLY REPORT



Mag Meter Replacement. Maintenance and Distribution groups were both involved in the project.

December 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 December. Specific water quality results are summarized in Exhibit A. A total of 210.007 MG, averaging 6.774 MGD was withdrawn from the water supply source for treatment. As shown in Exhibit B, a total of 216.041 MG, averaging 6.969 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 in service for zero days. There were no odor, taste, or service complaints throughout the exercise, or in the entire month of December.

The DeHart Watershed had below average rainfall in December (Exhibit C) and the DeHart reservoir water level decreased (Exhibit D). An estimated 295.52 MG of water was released from DeHart reservoir to Clark Creek, averaging 9.533 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).

The Lime Silo project has been completed, the silo has been removed in preparation for the new lime system.

Plant Maintenance

The Maintenance team performed approximately 63 preventative maintenance work orders and one corrective maintenance work order for the month of November using the Cityworks maintenance management system for all water treatment plant equipment, pumping stations and fleet vehicles and NFS offices.

- The DeHart Dam watershed was patrolled daily and maintained.
- The Maintenance team performed equipment checks and PM's after the River Run.
- The Maintenance team removed and installed two 24-inch Rosemont Magnetic Flow meters on the Finished water line. The Maintenance and Distribution staff worked as a team on this project.
- The Maintenance team repaired the Aluminum Sulfate chemical Injection points, constructed new injectors, and updated the exiting fittings on "A" side chemical injection raw line injection spool.
- The Maintenance team replaced light bulbs in the Filter building and Pump Gallery areas to higher lumens LED light Bulbs.

- The Maintenance team installed new LED lighting on the service truck parking side of the Maintenance building.
- The Maintenance team continues to support the requests and work orders for the NFS offices.
- The Maintenance team continues to do snow removal and perform other winter duties at the Water Service Center, pump houses, DeHart Dam facility and NFS offices.
- The Maintenance team continues to maintain the distribution and maintenance fleet vehicles and equipment.

Distribution

The Distribution group completed the following work during the month of December.

- Repaired five leaking services during the month totaling 48,240 gallons of unmetered water.
- Repaired one main break totaling 115,646 gallons of unmetered water.
- Repaired three fire hydrants.
- Completed 433 work orders.
- Completed 472 water, sewer, and stormwater locates.
- Work 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 regulatory samples for Total Coliform, and E. Coli samples.
- Preparing to begin Fifth Unregulated Contaminant Monitoring Rule (UCMR5) sampling in January 2023.
- Contacted waste disposal companies for quotes for removal of Fluoride and lab waste from facility.



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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	A	A	A	A	A	A	A	A	A	A	A	A	5% P
Chlorine Residual, mg/L Free														
Filter Plant Effluent	1.94	2.03	1.98	1.97	1.94	1.90	1.88	1.96	1.93	2.01	1.93	1.91	1.95	0.2 - 4.0
Distribution System	1.27	1.35	1.32	1.30	1.18	1.17	1.09	1.11	0.97	1.17	1.18	1.39	1.21	<0.02
Turbidity, NTU														
Influent from DeHart	0.57	0.55	0.61	0.72	0.67	0.69	0.70	0.82	1.04	2.00	1.91	0.86	0.93	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.54	0.80	NA	1.17	NA
Filter Plant Effluent	0.04	0.03	0.04	0.03	0.03	0.04	0.03	0.04	0.03	0.04	0.04	0.03	0.03	0.30
pH, Std Units														
Influent from DeHart	6.4	6.3	6.3	6.3	6.0	5.8	5.6	5.6	6.0	6.2	6.4	6.5	6.12	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.0	8.2	NA	8.09	NA
Filter Plant Effluent	7.4	7.5	7.5	7.6	7.6	7.6	7.4	7.5	7.5	7.6	7.7	7.6	7.53	6.5 - 8.5*
Distribution System	7.6	7.7	7.6	7.6	7.7	7.4	7.5	7.8	7.6	7.5	7.6	7.6	7.59	6.5 - 8.5*
Total Alkalinity, mg/L as CaCO3														
Influent DeHart	5	5	5	5	5	5	5	5	5	6	5	5	5.08	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	55	57	NA	56.00	NA
Filter Plant Effluent	13	18	16	15	17	19	21	27	26	22	22	14	19.34	<15*
Distribution System	15	17	15	16	16	20	22	23	27	21	25	14	19.13	<15*
Temperature, degrees C														
Influent from DeHart	6.6	6.0	7.4	9.5	12.2	14.8	16.6	17.5	18.5	15.7	13.2	8.6	12.22	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.4	14.8	NA	14.60	NA
Filter Plant Effluent	7.0	6.9	8.1	10.6	12.6	14.1	15.2	16.6	17.7	15.9	13.5	9.2	12.28	NA
Distribution System	15.3	12.9	13.3	14.6	17.6	21.9	22.7	23.0	22.8	19.6	17.6	14.9	18.02	NA
Fluoride, mg/L														
Filter Plant Effluent	0.57	0.58	0.57	0.52	0.64	0.55	0.59	0.61	0.86	0.88	0.98	0.97	0.69	2
Aluminum, mg/L														
Filter Plant Effluent	0.10	0.22	0.23	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.07	0.2*
Iron, mg/L														
Influent from DeHart	0.62	0.13	0.10	0.07	0.08	0.11	0.18	0.43	0.68	0.75	0.42	0.14	0.31	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14	0.28	NA	0.21	NA
Filter Plant Effluent	0.01	0.02	0.01	0.01	0.02	0.01	0.03	0.02	0.01	0.02	0.02	0.01	0.02	0.3*
Distribution System	0.13	0.01	0.03	0.00	0.01	0.02	0.01	0.01	0.05	0.03	0.01	0.01	0.03	0.3*
Total Dissolved Solids, mg/L														
Influent from DeHart	13	13	14	15	16	16	16	17	17	17	17	16	15.76	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	192	195	NA	193.53	NA
Filter Plant Effluent	37	38	41	44	46	47	49	59	55	45	44	34	44.86	500*
Distribution System	39	40	38	45	46	49	51	56	62	50	155	37	55.78	500*
Total Hardness, mg/L														
Influent from DeHart	8	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	134	114	NA	124.00	NA
Filter Plant Effluent	8	8	8	8	8	8	8	8	8	9	9	8	8.21	NA
Distribution System	8	7	7	6	5	7	6	6	6	7	23	7	7.94	NA
Orthophosphate, mg/L														
Filter Plant Effluent	1.20	1.15	1.40	1.16	1.36	1.32	1.37	1.29	1.24	1.24	1.25	1.30	1.27	0.7 - 1.3*
Distribution System	1.23	1.14	NA	1.18	1.31	1.33	1.30	1.30	1.22	1.22	1.16	1.12	1.23	0.7 - 1.3*
**Total Trihalomethanes, ug/L														
Distribution System	35.0	NA	NA	41.0	NA	NA	52.0	NA	NA	49.9	NA	NA	44.5	80.0
**Total Haloacetic Acids, ug/L														
Distribution System	33.0	NA	NA	37.0	NA	NA	41.5	NA	NA	44.2	NA	NA	38.9	60.0
Total Organic Carbon, mg/L														
Influent from DeHart	3.00	NA	NA	2.40	NA	NA	2.20	NA	NA	2.20	NA	NA	2.45	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.30	NA	2.30	NA
Filter Plant Effluent	1.50	NA	NA	1.30	NA	NA	1.10	NA	NA	1.30	1.30	NA	1.30	NA
Average Filter Run, Hours	114	116	116	115	114	116	100	114	114	116	114	100	112.42	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	230.134	8.219	0.000	0.000	230.134	8.219	233.393	8.335	5.266	0.188	224.570	8.020
March	225.723	7.282	0.000	0.000	225.723	7.282	233.913	7.546	6.770	0.218	223.545	7.211
April	212.629	7.088	0.000	0.000	212.629	7.088	218.666	2.289	6.006	0.201	209.256	6.975
May	231.932	7.482	0.000	0.000	231.932	7.482	239.807	7.735	6.563	0.212	230.430	7.433
June	237.403	7.913	0.000	0.000	237.403	7.913	242.242	8.075	6.000	0.200	233.202	7.773
July	251.091	8.099	0.000	0.000	251.091	8.099	250.036	8.323	6.183	0.200	248.668	8.022
August	244.659	7.892	0.000	0.000	244.869	7.892	251.347	8.109	6.623	0.213	242.842	7.834
September	219.848	7.581	0.000	0.000	219.848	7.581	224.729	7.750	6.184	0.213	216.319	7.459
October	207.726	6.701	13.896	0.448	221.622	7.149	224.711	7.248	6.396	0.205	215.850	6.963
November	192.993	6.433	14.053	0.468	207.046	6.901	213.188	7.126	6.425	0.214	204.751	6.825
December	210.007	6.774	0.000	0.000	210.007	6.774	225.327	7.269	6.993	0.225	216.041	6.969
Total	2694.820		27.949		2722.979		2793.344		74.043		2693.818	
Average	224.568	7.409	2.329	0.076	226.915	7.485	232.779	7.285	6.170	0.203	224.485	7.404

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	3.14	1.67	5.03	6.55	5.84	2.16	2.67	4.16	3.43	2.94	6.63	46.96
Daily Average	0.080	0.113	0.150	0.168	0.211	0.195	0.070	0.086	0.139	0.111	0.098	0.214	1.635
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
2021 Total	2.74	5.88	7.55	12.58	19.13	24.97	27.13	29.80	33.96	37.39	40.33	46.96	288.42

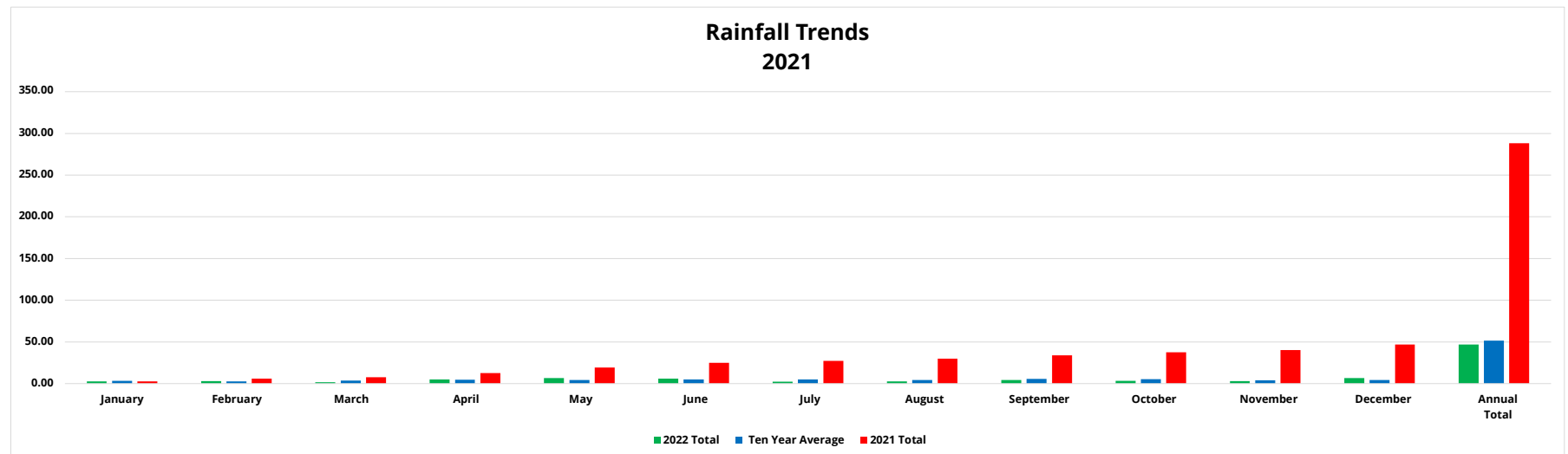


EXHIBIT D

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	3.1	3.2	4.6	4.1	7.2	-12.1	-34.1	-48.5	-68.9	-80.6	-58.9
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	5.0	6.3	7.8	11.9	15.9	28.0	62.1	110.6	179.5	260.1	319.0

DeHart Reservoir Water Level Trends
2021

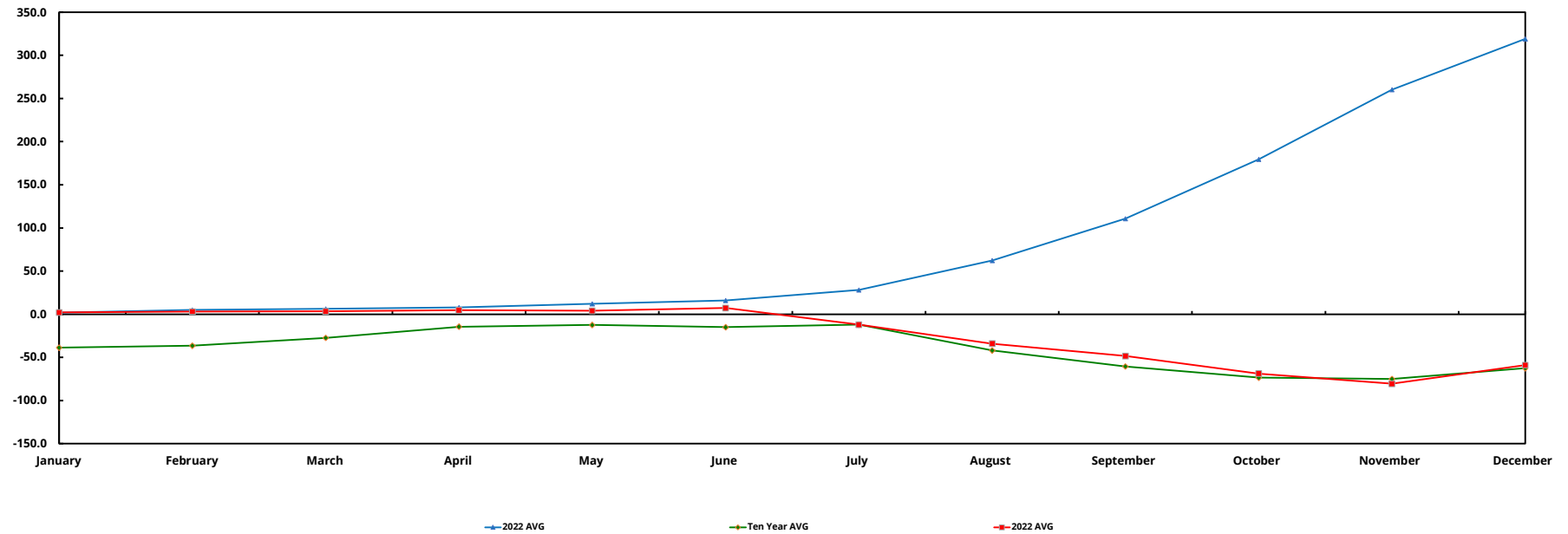


EXHIBIT E
Daily Conservation Release - 2022

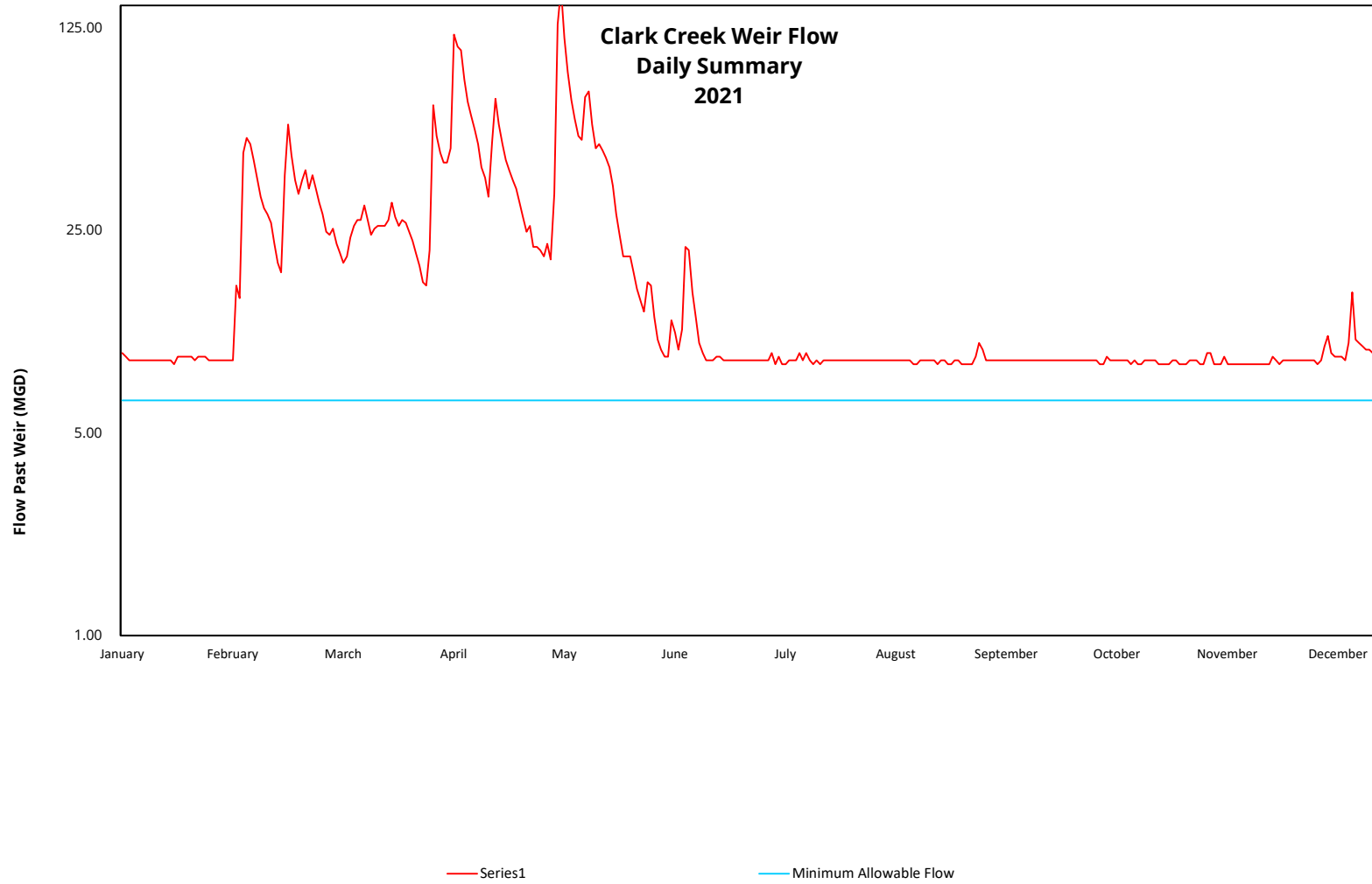




EXHIBIT F
Utility Usage - 2022

Location / Utility	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Water Services Center														
Electric Transmission														
Total, kWh	196,200	136,800	145,800	181,800	172,800	190,800			199,800				174,857	1,224,000
Cost, Dollars	\$12,915.36	\$8,967.54	\$8,888.73	\$11,610.27	\$11,641.64	\$12,788.26			\$14,202.88				\$11,573.53	\$81,014.68
Electric Generation														
Total, kWh	196,200	136,800	145,800	181,800			190,800		199,800				175,200	1,051,200
Cost, Dollars	\$1,323.23	\$1,339.10	\$1,303.79	\$1,352.63			\$1,220.30		\$1,210.19				\$1,291.54	\$7,749.24
Natural Gas														
Total, Cu Ft	14,898	11,450		14,334		4,497							11,295	45,179
Cost, Dollars	\$12,296.76	\$9,486.52		\$1,118.06		\$132.83							\$5,758.54	\$23,034.17
Sewer														
Total, Gal	7,710,000	6,560,000	6,560,000	7,520,000	7,370,000	5,000,000	6,450,833	8,260,000					6,928,854	55,430,833
Cost, Dollars	\$65,997.60	\$56,152.60	\$56,153.60	\$64,371.20	\$63,087.20	\$42,800.00	\$55,219.13	\$15,486.47					\$52,408.48	\$419,267.80
Refuse														
Cost, Dollars	\$509.60	\$509.60	\$509.60	\$509.60	\$509.60	\$509.60	\$509.60	\$509.60	\$509.60	\$509.60	\$509.60	\$509.60	\$509.60	\$6,115.20
Reservoir Park Pump Station														
Electric Transmission														
Total, kWh	84,800	84,800	81,600	82,400	90,400	79,600			74,000				82,514	577,600
Cost, Dollars	\$3,943.58	\$3,917.06	\$3,362.56	\$3,547.63	\$3,565.93	\$2,146.60			2,462				\$3,277.86	\$22,944.99
Electric Generation														
Total, kWh	84,800	84,800	81,600	82,400	78,000	79,600			74,000				80,467	482,800
Cost, Dollars	\$1,074.71	\$1,134.00	\$1,168.51			\$1,160.80	\$1,068.11		\$1,309.12				\$1,152.54	\$6,915.25
Natural Gas														
Total, Cu Ft	823	523											673	1,346
Cost, Dollars	\$696.50	\$451.99											\$574.25	\$1,148.49
Wassukuhina River Pump Station														
Electric Transmission														
Total, kWh	1,800	1,200	1,800	600	1,200				1,200				1,300	7,800
Cost, Dollars	\$77.70	\$14.63	\$84.89	\$80.63	\$7.58								\$53.09	\$265.43
Electric Generation														
Total, kWh	1,800	1,200	1,800	600	600				1,200				1,114	7,800
Cost, Dollars	\$75.67	\$74.18	\$71.63	\$69.05	\$68.85	\$68.85			\$69.60				\$71.12	\$497.83
Natural Gas														
Total, Cu Ft	724	641											683	1,365
Cost, Dollars	\$615.82	\$548.16											\$581.99	\$1,163.98
Union Square Booster Station														
Electric Transmission														
Total, kWh	2876	3,875	2,888	2,309	1,508								2,691	13,456
Cost, Dollars	152.42	\$312.67	\$150.83	\$127.58	\$77.44								\$164.19	\$820.94
Electric Generation														
Total, kWh	2876	3,875	2,888	2,309					702				2,530	12,650
Cost, Dollars	125.54	\$127.11	\$162.09	\$120.18					\$83.09				\$123.60	\$618.01
DeHart Facilities														
Electric Transmission														
Total, kWh	2,965	2,845	2,728	2,470	2,209	2,009			2315				2,506	17,541
Cost, Dollars	\$224.15		\$203.55	\$199.31	\$190.46	\$129.51			\$168.36				\$185.89	\$1,115.34
Electric Generation														
Total, kWh	2,965	2,845	2,728	2,499	2,209		2,015		2,322				2,512	17,583
Cost, Dollars	\$101.22	\$96.85	\$97.06	\$90.42	\$151.19	\$158.21	\$96.13		\$96.37				\$110.93	\$887.45
Fuel Oil														
Total, Gals.			1,438										1,438	1,438
Cost, Dollars			\$8,077.31										\$8,077.31	\$8,077.31
City Island Heat Trace														
Electric Transmission														
Total, kWh	390	378	356	25,800	258								5,436	27,182
Cost, Dollars	\$23.33	\$20.65	\$19.97	\$11.81	\$11.81								\$17.51	\$87.57
Electric Generation														
Total, kWh	390	378	356										375	1,124
Cost, Dollars	\$65.29	\$65.27	\$64.99						\$59.35				\$63.73	\$254.90
Expenditures YTD													\$85,996	\$581,979

** Not available at time report was developed

Total Transmission	\$106,249
Total Generation	\$16,923
Total Refuse	\$6,115
Total Gas	\$25,347
Total Sewer	\$419,268
Total Fuel Oil	\$8,077
Total Utilities	\$575,863

Exhibit G

Hydro-Turbine Generator Performance - 2022

Month	Kilowatt-hour (KWH)	Anticipated Savings *
January	48,590	\$2,818
February	42,322	\$2,455
March (Out for Service)	0	\$0
April (Out of Service)	0	\$0
May (Partial Out of Service)	24,528	\$1,423
June	0	\$0
July (out of srv/waiting on parts)	0	\$0
August (out of service)	0	\$0
September (out of service)	0	\$0
October (out of service)	0	\$0
November (out of service)	0	\$0
December (out of service)	0	\$0
Average	9,620	\$558
Year to Date	115,440	\$6,696

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

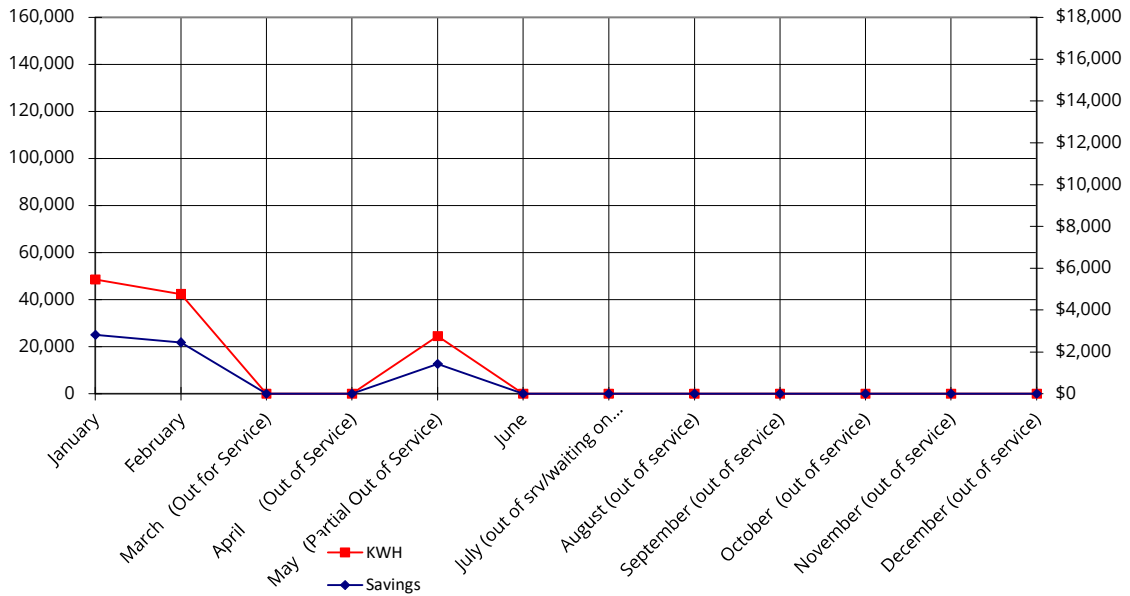


EXHIBIT H
Treatment Chemical Usage - 2022

Chemical	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Chlorine														
Total Lbs.	6,180	6,133	6,135	5,736	6,296	6,356	6,770	6,593	5,895	5,694	5,609	5,911	6,109	73,308
Average, Chlorine Lbs./Day	199	219	198	191	203	212	218	213	203	190	187	191	202.0	
Average, Chlorine Dose, mg/L	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.4	3.2	3.2	1.4	2.1	3.0	
Chlorine Cost, \$/Lbs.	\$0.989	\$0.989	\$0.989	\$0.989	\$0.989	\$0.989	\$0.989	\$0.989	\$0.989	\$0.989	\$0.989	\$0.989	\$0.989	1.0
Chlorine Total Cost, Dollars	\$6,112	\$6,066	\$6,068	\$5,673	\$6,227	\$6,286	\$6,696	\$6,520	\$5,830	\$5,631	\$5,547	\$5,846	\$6,041.83	\$72,502.00
Alum 48.5%														
Total Lbs.	48,096	46,683	42,713	38,071	38,686	37,906	34,430	34,688	28,073	23,129	20,339	18,484	34,275	411,298
Average, Alum, Lbs./Day	1,551	1,667	1,378	1,269	1,248	1,264	1,111	1,119	968	771	678	596	1,135.0	
Average, Alum, mg/L	25.0	25.0	18.3	18.8	20.0	16.5	16.5	17.8	12.5	12.0	10.0	16.0	17.4	
Alum Cost, \$/Lbs.	\$0.164	\$0.164	\$0.164	\$0.164	\$0.164	\$0.164	\$0.164	\$0.164	\$0.164	\$0.164	\$0.164	\$0.164	\$0.164	0.2
Alum Total Cost, Dollars	\$7,888	\$7,656	\$7,005	\$6,244	\$6,345	\$6,217	\$5,647	\$5,689	\$4,604	\$3,793	\$3,336	\$3,031	\$5,621.23	\$67,454.74
Lime														
Total Lbs.	0	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	0.0	
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	0.0	
Lime Cost, \$/Lbs.	\$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	\$0.00
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	\$0.00
Soda Ash														
Total Lbs.	24,800	25,750	25,400	26,250	31,650	32,700	35,450	40,250	30,700	16,300	20,850	10,800	26,742	320,900
Average Soda Ash, Lbs./Day	800	920	819	875	1,021	1,090	1,144	1,298	1,023	526	695	348	879.9	
Average, Soda Ash Dose, mg/L	16.7	16.7	16.2	16.9	17.7	17.9	21.0	22.1	25.9	20.0	12.0	24.0	18.9	
Soda Ash Cost, \$/Lbs.	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	0.4
Soda Ash Total Cost, Dollars	\$9,796	\$10,171	\$10,033	\$10,369	\$12,502	\$12,917	\$14,003	\$15,899	\$12,127	\$6,439	\$8,236	\$4,266	\$10,563.17	\$126,758.00
Fluoride														
Total Lbs.	1,155	1,193	1,168	1,111	1,202	1,215	1,445	1,557	2,049	2,029	1,999	2,107	1,519	18,230
Average, Fluoride Lbs./Day	37	43	38	37	39	41	47	50	71	68	67	68	50.5	
Average, Fluoride (F-) Dose, mg/L	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	1.1	1.1	1.1	1.1	0.8	
Fluoride Cost, \$/Lbs.	\$0.28	\$0.28	\$0.28	\$0.28	\$0.28	\$0.28	\$0.28	\$0.28	\$0.28	\$0.28	\$0.28	\$0.28	\$0.28	\$0.28
Fluoride Total Cost, Dollars	\$323	\$334	\$327	\$311	\$337	\$340	\$405	\$436	\$574	\$568	\$560	\$590	\$425.42	\$5,105.00
Sodium Hydroxide 50%														
Total NaOH 50% dry Lbs.	41,600	36,660	38,202	36,068	41,385	42,323	42,135	45,166	40,353	37,716	32,174	33,450	38,936	467,232
Average NaOH 50%, dry Lbs./Day	1,342	1,309	1,232	1,202	1,335	1,411	1,359	1,457	1,392	1,257	1,073	1,079	1,287	
Average, NaOH 50%, mg/L	10.7	10.7	9.8	9.9	10.4	9.0	9.8	10.8	11.1	11.1	18.0	18.0	11.6	
NaOH 50% Cost, dry \$/Lbs	\$0.195	\$0.195	\$0.195	\$0.195	\$0.195	\$0.195	\$0.195	\$0.195	\$0.195	\$0.195	\$0.195	\$0.195	\$0.195	0.2
NaOH 50% Total Cost, Dollars	\$8,091	\$7,149	\$7,449	\$7,033	\$8,070	\$8,253	\$8,216	\$8,807	\$7,869	\$7,336	\$6,274	\$6,523	\$7,589.17	\$91,070.00
Zinc Orthophosphate														
Total Zn3(PO4)2, wet Lbs.	5,142	5,057	5,034	4,712	5,189	5,251	5,600	5,468	4,871	4,694	4,481	4,527	5,002	60,026
Average Zn3(PO4)2, wet Lbs./Day	166	181	162	157	167	175	181	176	168	157	149	146	165.4	
Average, Zn3(PO4)2 Dose, mg/L	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.5	2.5	2.5	2.7	
Zn3(PO4)2 Cost, wet \$/Lbs.	\$1.460	\$1.460	\$1.460	\$1.460	\$1.460	\$1.460	\$1.460	\$1.460	\$1.460	\$1.460	\$1.460	\$1.460	\$1.460	1.5
Zn3(PO4)2 Total Cost, Dollars	\$7,507	\$7,383	\$7,350	\$6,880	\$7,576	\$7,666	\$7,884	\$7,983	\$7,112	\$6,853	\$6,542	\$6,609	\$7,278.75	\$87,345.00
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														\$450,234.74
Average Treated Cost per (MG)														0.000
Total Treated Flow (MGD)														232.779
Average Treated Flow (MGD)														

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	501	523	564	481	513	490	524	529	468	510	472	5,998	500
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	8	8	8	8	8	8	8	8	8	8	8	96	8
Main Break Repair - Detected Non-Surfacing	1	0	0	0	0	0	0	0	1	2	0	0	4	0
Main Breaks Repaired - Emergency	2	6	3	1	3	1	0	0	0	0	2	1	19	2
Service Line Leaks Detected	2	10	0	0	0	3	1	1	0	2	3	0	22	2
Service Line Leaks Repaired	1	11	0	0	2	2	1	10	4	2	0	0	33	3
Valves - Exercised	0	0	0	2	0	0	24	64	12	11	37	0	150	13
Valves - Replaced	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrant Flow Tests	0	2	3	2	5	2	3	9	4	3	12	2	47	4
Hydrants Returned to Service	0	0	1	0	1	0	0	2	2	0	1	0	7	1
Water Tap - Disconnected	1	0	2	3	4	11	29	0	3	4	6	6	69	6
Water Tap - New Connection	1	1	1	1	0	1	0	0	0	0	0	1	6	1
Water Shutoffs - Delinquent Accounts	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Shutoffs - Other	26	23	14	47	31	60	14	28	18	10	55	36	362	30
Water Shutoffs - Non Payment	0	0	0	37	31	41	9	21	7	0	37	0	183	15
Water Restoration Turn on Other	22	24	22	36	52	39	18	23	23	25	42	33	359	30
Water Turn on - Non Payment	5	6	5	24	14	22	7	6	13	8	27	6	143	12

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	8	3	4	6	13	5	7	7	1	11	5	77	6
	Leaking	7	1	3	1	4	1	4	1	2	1	0	2	27	2
	Frozen	10	6	6	5	1	0	0	2	1	0	3	14	48	4
	Non-registering	1	3	5	5	2	4	3	6	7	7	6	4	53	4
	Large Meters ¹	0	0	0	1	1	0	0	0	0	0	0	0	2	0
New Service	New Installation	0	1	1	1	0	1	0	0	0	0	0	5	9	1
Meter Service															
MXU's Replaced	MXU's Replaced	20	22	41	18	31	24	61	38	35	10	43	46	389	32
Batteries Replaced	Batteries Replaced	67	25	123	65	48	34	31	30	69	120	112	195	919	77
Meter Pits Serviced	Meter Pits Serviced	1	0	0	1	1	1	1	0	0	12	0	0	17	1
Meter Calibrations															
Small Meters ²	Calibrated meters	2	0	1	2	11	9	0	0	0	0	0	0	25	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	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	N/A
Billed Metered	Hydrant Connections	0	0	0	8,176	359,716	81,274	0	7,616	40,297	240,059	403,285	4,850	1,145,273	95,439
Billed Unmetered	Hydrant Flow Tests	0	7,955	11,526	3,812	11,792	13,039	13,740	28,868	43,260	5,336	53,249	17,600	210,177	17,515
Unbilled Unmetered	Hydrant Flushing (and Unbilled Authorized)	221,167	32,288	120,010	3,485,233	5,695,883	6,663,397	2,258,900	104,492	76,987	46,277	21,218	19,321	18,745,173	1,562,098
Leakage on Distribution Mains	Main Leaks	4,349,565	1,286,902	2,856,325	71,360	896,734	88,843	0	0	173,462	688,334	504,972	115,646	11,032,143	919,345
Leakage on Service Lines	Service Leaks	998,776	708,950	595,243	573,408	111,040	466,560	412,704	181,440	587,520	400,320	117,259	48,240	5,201,460	433,455
	Total	5,569,508	2,036,095	3,583,104	4,141,989	7,075,165	7,313,113	2,685,344	322,416	921,526	1,380,326	1,099,983	205,657	36,334,226	3,027,852



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WATER

Wastewater

Wastewater





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WATER

WASTEWATER DEPARTMENT MONTHLY REPORT



Taking ownership and receiving training on the new JCB front-end loader.

December 2022

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

Overview

December marked the end of another challenging year for the Wastewater department, but they were overcome with the grit and determination of our staff.

Personnel shortages were at the top of the list. In a labor market of near-full employment and rapidly rising wages, a remarkable 16 hires were made in the department throughout the year. Two bargaining unit employees stepped up to fill supervisor roles in their respective groups. Five new employees in Operations marked an important step in filling the shoes of our retiring operators. The entire Laboratory group staff of three was turned over and recertified. And two Electrician positions that have sat vacant for two years were finally filled. As of January 3rd, the Wastewater department was fully staffed without vacancies for the first time since 2021. Enough cannot be said about the persistence and resolve of Human Resources with this enormous endeavor.

Biosolids disposal was another challenge early in 2022. Weather challenges limited land-application opportunities, requiring much more expensive disposal options. The soaring cost of diesel fuel adding enormous expense to hauling costs as well. But the program finished the year strong by strategically utilizing lower-cost farm application outlets for the final six months of the year resulting in a dramatic 45 percent drop in monthly disposals costs over the first half of the year.

Finally, revenue from the Contract Waste Hauling program struggled early in 2022 as well. Gallons received through the first eight months of the year were the lowest since the impacts of the 2014-2016 BNR project construction. Drought conditions through August significantly limited receiving quantities. But a renewed focus on attracting new customers, along with an end of the drought conditions, led to a strong finish to the year. The four-month billing average of \$56,000/month represented the best stretch since early 2021 as we head into the new year with positive trajectory.

Operations

During the month of December, the AWTF met all monthly average NPDES permit requirements. Four Sanitary Sewer Overflows were reported. A Notice of Violation was received from PADEP regarding an unanticipated bypass of secondary treatment that occurred in August. The incident was the result of an electrical outage at the AWTF. A response letter detailing remedial action that had already been undertaken was provided to PADEP promptly.

Hydraulic loading to the AWTF averaged 21.5 million gallons per day (MGD). The treatment process achieved removal reductions of 95.4 percent CBOD, 97.5 percent Suspended Solids, 68.6 percent Phosphorus, and 91.3 percent Ammonia (Exhibit A).

Revenue of the Contract Waste Hauling program collected \$56,268.54 in revenue from 1,934,870 gallons discharged (Exhibit G). Revenue is steady as wetter weather continues into winter and we continue to receive leachate from our landfill clients. Modern Landfill has been discharging just about every day of the month with no plans to slow down for the time being.

The Cogeneration facility experienced an average run time of 20 percent in December. Revenue is estimated at \$2,631.38 on 22,500 Kilowatt-hours generated for the month. The decrease in runtime is primarily due to the mechanical failures of the 38-year-old Enginator unit.

Laboratory

- Fecal IDOCs were passed by new lab techs for filtration method. Only BOD/CBOD IDOCs remain. We are still troubleshooting why, the standard variable is in recovery.
- Finished the last of the updates to our Quality Manual and paperwork to submit to DEP for laboratory accreditation renewal.
- Finished scheduled WIMS training and reformatted most bench sheets for uploading into WIMS database.
- Continuing to adjust standard operation procedures (SOP) and quality control (QC) for new Colilert fecal/E. Coli method in accordance with DEP recommendations.

Pretreatment

- Completed facility inspection for AMES Companies, Inc. They are operating in accordance with their permit.
- Scheduling facility inspection with Harrisburg Dairies is in process along with receiving 3Q SMR. They are continuing to restructure personnel and responsibilities which is the reason for the delay.

Plant Maintenance

- Continued removing rags from raw pumps at the Primary tank.
- Relamped and repaired all lighting fixtures throughout facility.
- Installed dehumidifiers throughout facility.
- Serviced standby generator full load test at Market Street and Spring Creek pump stations.
- Performed preventive maintenance on generator at Market Street pump station.
- Installed new gas furnace in the truck loading garage bay at the Pista Grit building.

-
- Retubed Heat Exchanger No. 2 to increase heat transfer at the Primary Digester.
 - Reset drive chains that derailed for the cross-collectors at Primary Clarifiers No. 2 and 3.
 - Ordered flow control meters to reduce potable usage to pump mechanical seals at the Spring Creek Pump Station.
 - Dismantled both scum pumps to remove lodged materials in pump cavity at the Thickener Pump Station.
 - Repaired overhead garage door at the Truck Storage Building.
 - Performed 20 vehicular repairs in preparation for state Inspections. Also, performed daily service for repairs on vehicles including bulbs, batteries, tires, lube oil and filters, and fixed flat tires.
 - Provided weekly maintenance for JCB Loader.
 - Performed maintenance tasks per request at 3003 NFS Offices as well as responding to alarms.

Field Construction

- Repaired 18 inlets in various locations in the city.
- Blanked one inlet in Harrisburg to combat floatables.
- Replaced three inlet laterals at the intersection of Logan and Delaware Streets.
- Replaced an old and failing inlet top with a new C-top at the intersection of 19th and Kensington Streets. While on site, the brick work was also repaired.

Field Operations

- Total CCTV footage of sewer pipe assessed this month was 3,971 feet (0.75 miles).
- Total of pipe flushed this month was 4,036 feet (0.76 miles).
- Responded to 17 backup and overflow calls from residents. CRW was liable for four.
- Responded to four sinkhole calls. Wastewater was liable for none.
- Cleaned 31 stormwater inlets.
- Inspected 29 stormwater inlets.
- Completed one semi-annual CSO PM. All 58 have been completed.
- Worked on various projects for Engineering.

Environmental Compliance

- Completed 62 inspections of FOG dischargers, 39 locations received letters of non-compliance with compliance plans.
- Renewed 35 FOG discharge permits.
- Issued six new FOG discharge permits.
- Issued one FOG-related Notice of Violation (NOVs).
- Provided education packets to four newly identified FOG dischargers (either new business or

previously unidentified). Spent time educating business owners/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.

- Four investigations were conducted during the month of December:
 - Two separate and independent instances of motor oil leaking from commercial trailers were reported. In each instance, the oil flowed down a curb line and discharged into one of CRW's MS4 storm inlets. In one case, the responsible party was identified and issued a Notice of Violation for the illicit discharge. The other investigation was inconclusive regarding the responsible party, and CRW coordinated the cleanup.
 - A resident near Harrisburg's Kline Village reported flooding in their residence after heavy rains caused by runoff from the Kline Village parking lot. CRW verified all assets in the area were functioning properly, and the homeowner was put in contact with the property management group for Kline Village.
 - CRW received a report of wastewater running down the curb line of the 2200 block of Derry Street and discharging into one of CRW's MS4 inlets. The cause was determined to be a blocked sewer lateral causing a discharge out of the property's sewer cleanout. The property owner handled the cleanup, and a Notice of Violation was issued for the illicit discharge.

Street Sweeping

- Received no complaints this month.
- Sweeper No. 1 went into shop for hub repair on November 18. It is waiting on parts.
- Completed 267 miles of street sweeping within the City of Harrisburg. Production was down this month due to sweeper repairs and weather.
- There was no water usage this month.
- Continued to assist cleaning storm inlets in scheduled sweeping areas.
- When the days of the month fall on a fifth week, there is no scheduled sweeping. The Street Sweeping group will be assigned specific assignments throughout the City to continue the upkeep in highly visible areas. The end of December, the Street Sweeping group swept an additional 37 miles (included in total miles swept) and continued to clean off storm inlets.



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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	24.3	20.3	26.0	28.6	19.4	17.7	15.3	17.0	16.9	16.2	21.5	20.1	37.7
Carbonaceous Biochemical Oxygen Demand														
Influent, mg/L	176	129	163	121	128	138	149	159	117	113	135	90	135	----
Effluent, mg/L	3	3	3	3	3	4	3	4	3	2	3	3	3	25
Percent Removal, %	98.1	93.3	97.9	97.0	96.0	97.1	97.9	97.3	96.8	97.7	97.3	95.4	96.8	----
Effluent Loading, lb/d	520	846	572	724	952	637	446	536	476	248	432	662	588	7,860
Suspended Solids:														
Influent, mg/L	177	149	212	144	137	153	184	174	161	194	196	151	169	----
Effluent, mg/L	4	4	3	2	3	3	3	7	5	2	2	3	3	30
Percent Removal, %	97.5	92.4	98.6	98.3	96.5	98.0	98.2	95.7	96.5	98.8	98.8	97.5	97.2	----
Effluent Loading, lb/d	715	1,397	499	569	990	650	468	822	725	299	316	585	670	9,433
Nitrogen														
Total-N														
Influent, mg/L	26	24	26	20	23	24	25	27	26	30	33	11	25	----
Effluent, mg/L	3.1	4.3	5	5.0	5.6	4.5	3.2	4.8	5.3	4.8	5.3	3.1	5	Monitor
Percent Removal, %	88.0	82.2	80	75.1	75.2	81.2	87.2	82.2	79.6	84.1	84.0	71.8	80.9	----
Effluent Loading, lb/d	469	719	778	996	1,170	705	449	649	881	720	711	1,062	776	----
NH3-N														
Influent mg/L	16	13	15	11	11	15	16	19	20	18	19	15	16	----
Effluent, mg/L	0.7	1.8	2.3	0.7	1.6	0.6	0.8	0.5	1.0	1.2	1.1	1.3	1	11 (2)
Percent Removal, %	95.5	85.7	84.4	93.8	85.0	95.9	94.9	97.3	95.0	93.4	94.2	91.3	92.2	----
Effluent Loading, lb/d	113	386	411	157	364	99	127	58	137	173	154	261	203	4,716
Phosphorus:														
Influent, mg/L	3.5	2.8	3.6	2.9	2.9	3.5	4.0	4.9	4.2	4.0	3.7	3.0	3.6	----
Effluent, mg/L	0.9	1.0	1.6	1.1	1.2	1.5	0.7	2.3	1.8	1.3	1.3	0.9	1.3	2.0
Percent Removal, %	71.6	63.4	53.6	63.1	58.9	57.1	82.3	50.9	57.2	66.5	63.9	68.6	63.1	----
Effluent Loading, lb/d	144	206	274	220	241	240	102	296	247	178	176	158	207	629
pH:														
Influent, Std. Units	7.4	7.1	7.3	7.3	7.2	7.3	7.3	7.5	7.4	7.4	7.4	7.4	7.3	----
Effluent, Std. Units	7.0	6.7	7.0	6.9	7.0	7.0	7.1	7.7	7.5	7.4	7.4	7.3	7.2	6.0 - 9.0
Dissolved Oxygen:														
Effluent Minimum, mg/L	7.0	7.7	7.1	7.0	7.2	6.3	7.2	7.3	6.6	7.5	5.3	7.2	7.0	5.0 Min.
Fecal Coliform:														
Effluent, No./100 ml	6	6	1	4	2	3	3	2	4	6	6	7	4	200/100 ml (1)
Chlorine Residual:														
Effluent, mg/L	0.19	0.20	0.19	0.21	0.41	0.36	0.42	0.42	0.40	0.18	0.18	0.18	0.28	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	24.300	10.705	13.595	9.854	0.197	0.300	0.066	0.288	1.300	5.146	2.271	4.350	0.528	2.800
March	20.000	8.710	11.290	7.388	0.170	0.300	0.679	0.173	1.300	3.948	1.956	3.697	0.389	2.540
April	26.000	12.031	13.969	10.089	0.211	0.300	1.225	0.206	1.500	4.869	2.421	4.766	0.413	3.430
May	28.600	14.310	14.290	11.442	0.246	0.300	2.099	0.223	1.800	4.578	2.830	4.666	0.416	6.030
June	19.400	9.085	10.315	7.097	0.162	0.300	1.275	0.251	1.400	3.274	1.863	3.330	0.448	4.170
July	17.700	7.894	9.806	5.850	0.144	0.300	1.400	0.200	1.400	3.200	1.656	3.170	0.380	4.880
August	15.300	6.250	9.050	4.540	0.130	0.300	1.130	0.150	1.300	2.820	1.500	3.050	0.380	1.980
September	17.000	6.942	10.058	5.650	0.142	0.300	0.690	0.160	1.300	3.450	1.628	3.320	0.360	3.300
October	16.900	7.432	9.468	5.810	0.142	0.300	1.010	0.170	1.300	2.920	1.628	3.340	0.280	2.950
November	16.200	5.886	10.314	4.950	0.146	0.300	0.320	0.170	1.300	3.610	1.674	3.470	0.260	2.640
December	21.500	3.726	17.774	6.360	0.206	0.300	(3.360)	0.220	1.500	8.740	2.364	4.750	0.420	4.600
Average	20.11	8.35	11.76											3.46
Percent	100.00	41.51	58.49											41.49

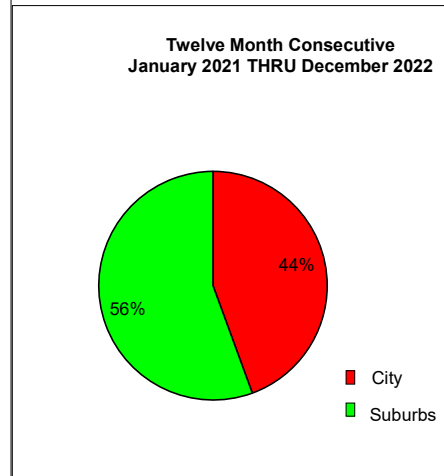
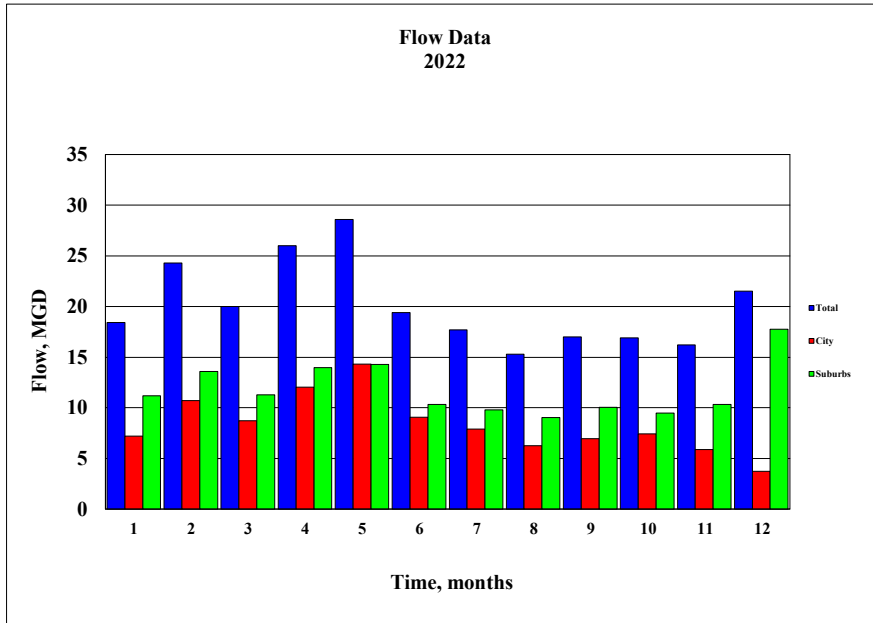


EXHIBIT C

**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	1,131,900	1,032,600	1,019,700	1,072,500	969,300	1,000,500	1,066,200	963,600	918,000	1,026,000	958,800	1,006,800	1,013,825	12,165,900
Average, kWh/Day	36,513	36,879	32,894	35,750	31,268	33,350	34,394	31,084	30,600	33,097	31,960	32,477	33,355	-----
Cost, Dollars	\$70,491.63	\$72,766.82	\$64,633.22	\$70,097.82	\$65,581.40	\$67,785.65	\$71,265.00	\$70,412.96	\$59,769.81	\$63,962.79	\$58,923.72	\$62,150.88	\$66,486.81	\$797,841.70
Natural Gas														
Total, Cu Ft	905.6	647.3	401.4	292.5	32.4	0.0	0.0	0.0	0.0	0.2	574.2	*	238	2,854
Average, Cu Ft/Day	29	23	13	10	1	0	0	0	0	0	19	*	9	-----
Cost, Dollars	\$7,509.60	\$5,404.37	\$3,544.64	\$2,689.99	\$413.51	\$129.95	\$129.95	\$129.95	\$126.75	\$129.48	\$5,168.93	*	\$2,114.76	\$25,377.12
Water														
Total, Gal.	681,000	871,833	743,167	1,166,000	1,126,000	1,361,000	893,000	990,000	953,000	1,276,000	1,406,000	*	1,042,455	11,467,000
Average, Gal./Day	21,968	31,137	23,973	38,867	36,323	45,367	28,806	31,935	31,767	41,161	46,867	*	34,379	-----
Cost, Dollars	\$10,384.54	\$12,357.75	\$11,027.35	\$15,399.44	\$14,282.72	\$17,415.74	\$12,576.62	\$13,579.60	\$13,197.02	\$16,536.84	\$17,881.04	*	\$12,886.56	\$154,638.66
MicroC														
Total, Gal.	0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-----
Cost, Dollars	\$0	\$0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0.00
Sodium Hydroxide														
Total, Gal.	0	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	0	-----
Cost, Dollars	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00	\$0.00
Chlorine Disinfection														
Total, Lbs.	5,340	6,020	5,100	7,150	8,720	7,955	7,972	8,420	6,975	4,140	5,830	10,773	7,033	84,395
Average, Lbs./Day	172	215	165	238	281	265	256	272	233	134	194	348	231	-----
Avg Residual, mg/L	0.19	0.20	0.19	0.21	0.41	0.41	0.42	0.42	0.40	0.18	0.18	0.18	0.28	-----
Cost, \$/Lbs.	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	\$0.99	-----
Total Cost, Dollars	\$5,286.60	\$5,959.80	\$5,049.00	\$7,078.50	\$8,632.80	\$7,875.45	\$7,892.28	\$8,335.80	\$6,905.25	\$4,098.60	\$5,771.70	\$10,665.27	\$6,625.98	\$72,885.78
Phosphorous Removal														
Total FeCl3, Gals.	507	1,333	1,634	2,743	2,417	2,675	447	4,472	10,208	6,493	4,420	4,481	3,486	41,831
Avg FeCl3, Gals./Day	16	48	53	91	78	89	14	144	340	209	147	145	115	-----
FeCl3 Cost, \$/Gal.	\$1.26	\$1.26	\$1.26	\$1.26	\$1.26	\$1.26	\$1.26	\$1.26	\$1.26	\$1.26	\$1.26	\$1.26	\$1.26	-----
FeCl3 Total Cost, Dollars	\$638.82	\$1,679.58	\$2,058.84	\$3,456.18	\$3,045.42	\$3,370.00	\$563.22	\$5,634.72	\$12,862.08	\$8,181.18	\$5,569.20	\$5,646.06	\$4,392.11	\$52,705.30

* 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	\$1,473.57
August 2021		26	784	24,300	\$2,841.89
September 2021		27	1,260	37,800	\$4,420.71
October 2021		26	1,103	34,200	\$3,999.69
November 2021		12	510	15,300	\$1,789.34
December 2021		2	87	2,700	\$315.77
<hr/>					
Total - 2021				672,300	\$56,853.12
Monthly Average - 2021		39	1,858	56,025	\$4,737.76
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
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Total - 2022				343,800	\$40,207.41
Monthly Average - 2022		28	943	28,650	\$3,350.62

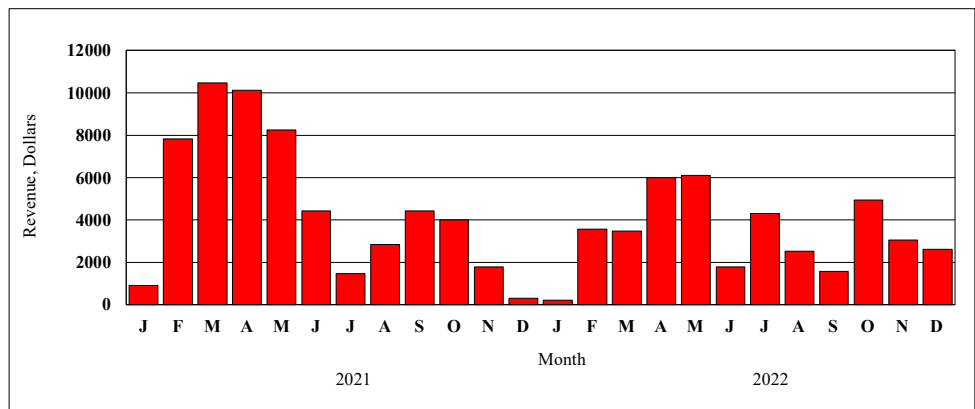


EXHIBIT E

**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.	836,796	808,604	1,256,456	1,295,249	1,041,739	1,063,962	963,124	569,504	693,176	827,396	579,393	707,407	886,901	10,642,806
CWH Program, Lbs.	69,353	76,120	124,956	61,652	122,100	72,880	64,239	48,574	129,624	160,686	296,449	229,992	121,385	1,456,624
Total Solids, Lbs.	906,149	884,724	1,381,413	1,356,901	1,163,839	1,136,842	1,027,363	618,077	822,799	988,082	875,842	937,399	1,008,286	12,099,430
Sludge Dewatering														
Feed Volume, Gals.	3,577,000	2,678,000	4,535,000	5,007,000	4,782,000	6,279,000	2,853,000	4,377,000	5,164,000	5,617,000	6,154,000	5,297,000	4,693,333	56,320,000
Feed Solids, %	1.7	1.7	2.0	1.8	2.0	1.4	1.6	1.3	1.6	1.7	1.5	1.6	1.7	-
Labor, Hours	459	416	659	644	561	659	467	615	617	650	665	654	589	7,066
Operations, Hours	930	785	1,132	1,058	962	1,181	571	721	971	1,281	1,297	1172	1,005	12,060
Total Cake, Dry Tons	179	167	312	295	281	279	110	165	238	265	233	225	229	2,749
Total Cake, Wet Tons	1,149	1,069	1,855	1,682	1,533	1,570	712	950	1,343	1,545	1,392	1,373	1,348	16,173
Cake TS, %	15.5	15.6	16.8	17.6	18.4	17.8	17.1	17.4	17.8	17.2	16.7	16.3	17.0	-
Press Rate, Lbs./Hour	2,472	2,725	3,279	3,179	3,186	2,659	2,493	2,634	2,768	2,413	2,146	2,343	2,691	32,298
Polymer Dosage, Lbs	3,188	2,976	4,605	5,056	4,545	5,358	2,258	3,582	4,169	4,068	4,008	3,639	3,954	47,452
Polymer Dosage, Lbs/Dry Ton	20.4	19.4	15.1	17.5	16.9	19.2	19.7	21.7	17.8	19.5	18.7	17.3	18.6	-
Disposal Cost														
Labor, Dollars	\$8,821.98	\$7,995.52	\$12,665.98	\$12,383.45	\$10,778.58	\$12,665.98	\$8,981.51	\$11,810.69	\$11,851.05	\$12,500.69	\$12,788.99	\$12,569.88	\$11,317.86	\$135,814.29
Electrical, Dollars	\$409.07	\$345.18	\$497.86	\$465.56	\$423.37	\$519.64	\$251.28	\$317.42	\$427.02	\$563.42	\$570.72	\$515.68	\$442.19	\$5,306.22
Polymer, Dollars	\$6,216.60	\$5,803.20	\$8,979.75	\$9,859.20	\$8,862.75	\$10,448.10	\$4,403.10	\$6,984.90	\$8,129.55	\$7,932.60	\$7,815.60	\$7,096.05	\$7,710.95	\$92,531.40
Disposal, Dollars	\$27,763.12	\$91,664.12	\$107,614.33	\$87,453.98	\$89,783.89	\$85,636.00	\$44,429.50	\$38,464.29	\$52,568.47	\$53,296.10	\$45,173.90	\$36,730.50	\$63,381.52	\$760,578.21
Total Cost, Dollars	\$43,210.77	\$105,808.02	\$129,757.92	\$110,162.19	\$109,848.58	\$109,269.72	\$58,065.39	\$57,577.30	\$72,976.09	\$74,292.81	\$66,349.21	\$56,912.11	\$82,852.51	\$994,230.12
Cost Per Dry Ton, Dollars	\$241.40	\$633.58	\$415.89	\$373.43	\$390.92	\$391.65	\$527.87	\$348.95	\$306.62	\$280.35	\$284.76	\$252.94	\$370.70	

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	232,800	219,600	187,200	187,200	190,800	93,600	67,200	58,800	61,200	61,200	60,000	*	129,055	1,419,600
Average, kWh/Day	7,510	7,843	6,039	6,240	6,155	3,120	2,168	1,897	2,040	1,974	2,000	*	4,271	----
Cost, Dollars	#####	\$14,468.72	\$10,417.84	\$12,381.18	\$13,421.18	\$5,141.58	\$2,480.22	-\$1,177.19	\$1,227.51	\$2,416.98	\$1,850.86	*	\$7,046.55	\$77,512.00
Fuel Oil														
Total, Gals.	0	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	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	\$0.00
Water														
Total, Gals.	315,000	180,833	479,167	261,819	397,181	350,000	246,000	345,000	313,000	281,000	324,000	*	317,545	3,493,000
Average, Gal./Day	10,161	6,458	15,457	8,727	12,812	11,667	7,935	11,129	10,433	9,065	10,800	*	10,422	----
Cost, Dollars	\$3,953.62	\$2,566.33	\$5,651.11	\$3,403.73	\$4,803.37	\$4,315.52	\$3,240.16	\$4,263.82	\$3,932.94	\$3,602.06	\$4,046.68	*		\$43,779.34
Spring Creek Pump Station														
Electric														
Total, kWh	36,160	52,160	55,040	85,120	96,960	79,360	64,960	53,440	50,240	46,400	34,560	54,400	59,067	708,800
Average, kWh/Day	1,166	1,863	1,775	2,837	3,128	2,645	2,095	1,724	1,675	1,497	1,152	1,755	1,943	----
Cost, Dollars	\$2,617.50	\$3,866.14	\$3,752.30	\$6,514.96	\$7,873.63	\$6,791.79	\$5,832.00	\$4,878.26	\$4,313.52	\$3,253.60	\$2,146.02	\$2,782.12	\$4,551.82	\$54,621.84
Fuel Oil														
Total, Gals.	0	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	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	\$0.00
Water														
Total, Gals.	25,000	39,000	106,000	79,333	224,667	140,000	79,944	81,523	563,533	93,539	162,461	*	145,000	1,595,000
Average, Gal./Day	806	1,393	3,419	2,644	7,247	4,667	2,579	2,630	18,784	3,017	5,415	*	4,782	----
Cost, Dollars	\$334.49	\$479.25	\$1,172.03	\$896.29	\$2,399.05	\$1,523.59	\$902.61	\$918.94	\$5,902.92	\$1,043.18	\$1,755.84	*	\$1,575.29	\$17,328.19
Market Street Pump Station														
Electric														
Total, kWh	1,200	1,200	1,080	960	1,080	840	960	480	600	720	840	1,080	920	11,040
Average, kWh/Day	39	43	35	32	35	28	31	15	20	23	28	35	30	----
Cost, Dollars	\$207.27	\$123.51	\$121.40	\$237.38	\$146.40	\$66.71	\$77.82	-\$23.33	-\$23.01	\$76.54	\$93.52	\$110.26	\$101.21	\$1,214.47
Fuel Oil														
Total, Gals.	0	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	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	\$0.00
City Island Pump Station														
Electric														
Total, kWh	40	40	40	40	40	40	40	0	40	40	40	40	37	440
Average, kWh/Day	1	1	1	1	1	1	1	0	1	1	1	1	1	----
Cost, Dollars	\$63.36	\$54.75	\$61.50	\$63.19	\$56.52	\$53.56	\$50.70	\$37.77	\$47.95	\$54.42	\$56.94	\$58.40	\$54.92	\$659.06

* 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	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
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

