CAPITAL REGION™

WATER

Staff Reports

Ensure Financial Stability	
Reconciled Bank Account Balances	Refer to attached Reconciled Bank Account Balances as of 11/30/2020.
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	No update.
Repair/Replace Meters/MXUs/Batteries	Drinking Water Department staff replaced two water meters, 39 batteries, and two MXUs.
Reduce Wet Weather Impacts to Infrastructure, Community, and Receiving Waters	
Negotiate with PADEP/U.S. EPA/DOJ on Past and Future Practices	CRW has a meeting with USDOJ/U.S. EPA/PADEP on 12/8/2020 to continue discussion on the legal strategy to modify the Consent Decree.
Develop Necessary Planning for Implementation of Green Infrastructure	Each Priority Planning Area Team is refining a list of opportunities/projects to begin field investigation and feasibility analysis in partnership with targeted stakeholder outreach (virtual) which CRW staff will assist with.
Joint Pollutant Reduction Plan -Collaborate with Suburban Partners on MS4	The Paxton Creek Cooperative (CRW, Lower Paxton Township, and Susquehanna Township) meets monthly to coordinate the implementation of our Joint Pollution Reduction Plan. We are currently coordinating with PennDOT on the $2 million dollar contract with RES to construct a series of stream restoration projects.
Obtain and Comply with Individual MS4 Permit	CRW is reviewing the permit requirements issued 8/1/2020 and is incorporating those efforts into our integrated planning/reporting procedures.

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 November. No Dry Weather Overflows or Sanitary Sewer Overflows were reported.
Notice of Violations (NOVs)	There were no NOVs received by the Water Department this month.
	There were no NOVs received by the Wastewater Department this month.
Preventative Maintenance	The Drinking Water Maintenance Department 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.
	All other regularly scheduled preventative maintenance was completed by the Wastewater Department in the month of November. Footage was low due to three days of heavy cleaning on Walnut Street and CCTV work on Third Street GSI structures.
CCTV	A total of 1,971 feet (0.37 miles) of pipe were assessed by CCTV during the month of November. A total of 1,452 feet (0.28 miles) of pipe were flushed during the month. Footage was low in November due to three days of heavy cleaning on Walnut Street and CCTV work on Third Street GSI structures.
Incident Response	Wastewater responded to one customer backup complaint during the month of November. CRW was found to be responsible for none.
Geographic Information System (GIS)	• Meeting with Street Sweeping CReW to demo use of Street Sweeping map and QuickCapture app. This will allow the CReW to verify what streets they cleaned and to mark the location of leaf piles or parked cars. • Participated in Virtual GIS Day at Harrisburg University.

Cityworks	[redacted]
Asset Management	The 2020 Asset Management Capability Assessment is complete, results have been shared with management and will be presented during the next scheduled Engineering and Operations Committee meeting. Receipt of the draft report for the 2020 water main condition assessment project has been delayed due to additional data quality analysis requirements. The Asset Management Survey presentation is in draft copy.
Development Review Summary	For details, see attached *Development Stormwater Management Review Summary* spreadsheet for December.
Undertake Capital Improvement Projects - *Refer to attached Capital Improvement Projects Report*	
Professional & Contractor Services	Recommend Board approval of the following Task Orders, Change Orders and Agreements: • Task Order 2019-20-02: Engineering Services for 2020 Water System Improvements with KCI • Task Order 2020-23-01: Engineering Services for Cameron Street Water Main Phase 3 with HRG • AWTF Primary Digester Rehabilitation - Change Order No. 14 with Eastern Environmental Contractors, Inc. • AWTF Primary Digester Rehabilitation - Change Order No. 15 with Eastern Environmental Contractors, Inc. • Task Order 2019-21-02: Engineering Services for 2020 Sewer System Improvements with KCI • 2020 Street Restoration Project - Change Order No. 1 (Final) with Shiloh Paving & Excavating, Inc. • South Allison Hill Business District GSI Project - Change Order No. 3 wiShiloh Paving & Excavating, Inc.
AWTF Primary Digesters Rehabilitation	The contractor continues to coordinate a plan to remove slude from Digester No. 1.
Front Street Pumping Station Improvements	Major demolition is complete and new pumps and header pipe is being installed.
WSC Soda Ash Conversion	Gannett Fleming submitted the 60% design and made permit applications to PADEP.
CCTV Inspections Phase 4	KCI and Savin plan to complete CCTV inspections by the end of December.
Right-of-Way Transmission Main Clearing - Phase 2	The project is currently advertised and bids are due 12/14/2020.

Undertake Renewal and Replacement Projects	
2020 Sewer Improvements	The contractor continues sewer installation at the Kittatiny Street and Second Sreet locations.
2020 Water Improvements	The contractor is installing water service lines on Cresent Street.
2020 Street Restoration Project	Refer to the Agenda for Final Change Order No. 1. The project is complete and will be removed from future reports.
2021 Sewer Improvements	The project is in the preliminary stage of project design.
2021 Water Improvements	The project is in the preliminary stage of project design.
Cameron Sreet. Water Main Lining - Phase 2	Change Order pipe replacement work at the Cameron and State Street location will occur by the end of December.
Cameron Street Water Main - Phase 3	Refer to Agenda for award of Task Order 2020-23-01 with HRG.
Paxton Creek Interceptor Rehabilitation	No update.
Arsenal Boulevard Sewer Improvements	No update.
Front Street Interceptor Rehabilitation - Phase 2	The project is in the preliminary stage of project design.
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	Wastewater's Maintenance group nearly completed all major mechanical renovation work to the Primary Clarifier #1 in November. All flights, chains, sprokets, drives and associated electrical will be replaced in the 788,000-gallon tank in the coming months. The group will rehabilitate all four clarifier units over the next two years. A detailed list of other maintenance work is available in the Wastewater Department's Monthly Report.
Sinkhole Program	No sinkholes were reported in the month of November.
Inlet Cleaning	A total of 49 inlets were cleaned and 37 inlets were inspected by Field Operations' personnel in November. Field Construction staff made 17 stormwater inlet repairs throughout the month and replaced three inlet tops with tighter restrictions to prevent litter entry into the combined sewer system.

Operate as an Efficient, Sustainable and Resilient Water Utility	
DeHart Property Stewardship	Timber harvest to improve regeneration continues in Management Unit 22/31 in accordance with the DeHart Property Forest Management Plan. The Second Amended Conservation Easement (third and final phase) was recorded on 11/25/2020.
Sustainability	No update.
Internal Communications	The Intranet (SharePoint) site and calendar continue to be utilized. Fourth quarter all-staff meetings were held the week of 10/19/2020. Topics included COVID-19 response/reminders, Open Enrollment, and the Customer Assistance Program.

Inform and Listen to Customers and Encourage Stewardship of our Systems	
Media Relations - Press and Social Media	**PRESS RELEASES:** (November 12, 2020) CAPITAL REGION WATER TO PRESENT PROPOSED 2021 BUDGETS AND RATES & (November 25, 2020) CAPITAL REGION WATER APPROVES 2021 BUDGETS AND RATES **SOCIAL MEDIA TOPICS:** • **Facebook:** 15 New Organic Followers. 6 Posts; Highest Engaged Post: (11/13/2020) "Malcolm Employee of the Month" (75 Post Clicks; 59 Reactions, 15 Comments & 3 Shares; 757 Organic Reach); Other topics: River Run Delay, CRW special board meeting, Happy Holiday! **2020 Demographics:** Active Age Range 25-65; Gender Division: 63% Women/37% Men. • **Twitter:** 8 Tweets; Highest Engaged Tweet: "Technical Difficulty" (394 Impressions; 1 Likes, 2 Re-tweets) Top Media Tweet: "Malcolm Employee of the Month" (288 impressions; 4 Likes) Month overview: 5.4K total Impressions; 70 Profile Visits; -1 New Followers; 6 Mentions. • **Instagram:** 11 New Followers (604 Total), 6 Posts; Highest Engaged Post: (6/30/2020): "Malcolm Employee of the Month". 14 likes, 1 comment. **2020 Demographics:** Most Active Age-range: 25-54; Gender Division: 57% Women/43% Men; Locations: 44% Harrisburg; 3% Mechanicsburg; 2% Camp Hill; 2% Lancaster.
Community Relations	**Community Ambassador Meeting**: An Ambassador meeting was held on 11/18/2020 via Skype. We congratulated Rafiqya for her community service award. Doug Keith presented the 2021 budget. Michael Joesph discussed street sweeping end of year plans. Tanya Deirolf discussed the stormwater fee. Other discussion topics: CRW and COVID-19, CRWs Customer Assistance Program, construction project updates, and Community Ambassador updates. **Community Outreach:** • Multiple project communications with residents, businesses, and community leaders, including door-to-door notifications. • Weekly communication with Community Ambassadors.
Public Communications	Communications for this month: The November monthly bill stuffer (i.e., What's on Tap) was distributed as a bill insert. Topics included River Run revised date, Customer Assistance Program, Lateral Line Insurance.
Diversity	• Attended a meeting with Kim Bullivant, Marketing Manger for Department of General Services re: COSTARS on 11/13/2020. • Attended Right-of-Way Easment Clearing Prebid meeting on 11/17/2020. • Attended Front Street Sewage Pump Station Improvements Project progress meeting on 11/24/2020. • Attended AWTF Primary Digester Rehabilitation Project progress meeting on 12/08/2020.

Administrative	
Risk Management	Insurance program underwriting/marketing meetings underway for contracts expiring 4/1/2021 including Commercial General Liability, Property, Public Officials/Management Liability, Crime, Cyber, Pollution, Business Auto, Workers' Compensation, Surety Bonds and Excess Liability.
Human Resources	• Negotiations underway. • HR is managing COVID-19 related leave, contact tracing and protocols, all which have increased. • Recruiting: See *Recruiting Status Report* attached.
Procurement	Ongoing projects include: • Procurement Policy and Amendments. • First Phase of inventory with Grainger PPE and Consumables is underway • Reviewing and updating Fleet Management. • Updating and revising SOP related to Procurement at CRW. • Vetting suppliers and updating DBE for current approved suppliers • Reviewing contracts for upcoming and potential bids and awards.
Information Technologies (IT)	[redacted]

Office Management and Admin Professional Services and Construction	Street/Sidewalk-Cut Permits: Three new Wastewater requests were received and processed from the City of Harrisburg's Engineer. Two Wastewater Permits were successfully completed and closed. Incoming Correspondence Report: Refer to attached *Incoming Correspondence Report* for November 2020. Provided assistance on the NACWA NEAA Watershed Collaboration Award submission for the Joint Pollutant Reduction Plan with the Paxton Creek Cooperative Project/Program due 12/4/2020. The NEAA Award honorees will be contacted by 1/31/2021. 3003 North Front Street Office and Property Management: • First Floor Renovations Project: General, Mechanical and Electrical Bid Documents were made available on PennBid as of 11/12/2020. Bids were due by 12/8/2020 at 2:00 PM EST. [redacted] Recommend Board approval of the following: • 3003 North Front Street Renovations Project – Recommendation of Award: 1. General Construction: Lauer Construction Services. 2. Mechanical Construction: G.R. Sponaugle or Frey Lutz Corp. 3. Electrical Construction: Lauer Construction Services.
Right-to-Know Requests	CRW received one Right-to-Know request, during the period 11/18/2020 through 12/09/2020.
	RTK 2020-018 - Jessenia Vazquez (Smart Procure). Request for any and all purchasing records from 1/23/2020 to current. Specific information requested from the record-keeping system: (1) Purchase Order Number. If purchase orders are not used a comparable substitute is acceptable, i.e. invoice, encumbrance, or check number. (2) Purchase date. (3) Line item details (Detailed description of the purchase). (4) Line item quantity. (5) Line item price. (6) Vendor ID number, name, address, contact person and their email address. The request is limited to readily available records without physically copying, scanning or printing paper documents. Any editable electronic document is acceptable.. Response due: 12/8/2020. Response provided 12/2/2020 for notice of 30-day extension until 1/7/2021.

CAPITAL REGION™

WATER

Reconciled Bank Account Balances

CAPITAL REGION WATER

Reconciled Bank Account Balances

11/30/2020

		Balance	APY	Bank	
ADMIN					
Business Checking	$	115,932.76	0.20%	First National Bank	
Money Market-Admin	$	193,596.29	0.35%	First National Bank	
Project Fund	$	433,981.98	0.45%	First National Bank	
Certificate of Deposit – Nat'l Civil War Museum	$	250,000.00	0.5489%	First National Bank	Restricted $250,000 min/$500,000 max
Lockbox	$	1,177,557.07	0.00%	PNC Bank	
General Account	$	710,396.37	0.00%	First National Bank	
WATER					
Water Revenue Fund	$	976,084.92	0.00%	First National Bank	
Water Operation Reserve Account	$	1,694,996.97	0.35%	First National Bank	
Water Contingency Account	$	1,426,006.89	0.35%	First National Bank	
Water Contingency Subaccount	$	1,854,219.51	0.35%	First National Bank	
Money Market-Water	$	21,647,744.45	0.35%	First National Bank	
SEWER					
Sewer Revenue Account	$	905,542.70	0.00%	First National Bank	
Money Market-Sewer	$	11,617,700.19	0.35%	First National Bank	
Sewer Pennvest	$	69,726.48	0.00%	First National Bank	
STORMWATER					
Stormwater Revenue Account	$	650,965.09	0.00%	First National Bank	
Stormwater Pennvest	$	3,444.57	0.00%		

Bank Statements (reconciled accounts)

CAPITAL REGION™

WATER

Grant Management Report

CAPITAL REGION 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	CRW Matching Type	$$$ Awarded	Rationale/Notes
Capital Region Water's Future Grant Applications											
DCED	Growing Greener Plus	Camp Curtin YMCA Stomwater Infrastructure	20-Dec-19	15-May-20		$1,473,371	Cash	$254,425	Cash		Recipient annoucement has been delayed.
SUB TOTALS						**$1,473,371**		**$254,425**			
Capital Region Water's Pending Grant & Loan Applications											
SUB TOTALS						**$0**		**$0**			
Capital Region Water's Awarded Grant, Loan and Bond Proceeds											
PENNVEST	Infrastructure (Projects)	ProFi Wastewater Infrastructure Loan	5-Aug-20	21-Oct-20	21-Oct-20	$65,000,000	Loan	$0	0		Settlement 5/11/21.
PENNVEST	Infrastructure (Projects)	ProFi Green Infrastructure PENNVEST Loan	COMPLETED	16-Oct-19	16-Oct-19	$13,000,000	Loan	$0	0	$13,000,000	Phase 1 & Phase 2 underway.
PENNVEST	Infrastructure (Projects)	Front Street Pump Station Upgrade	COMPLETED	18-Jul-18	18-Jul-18	$11,136,900	Loan	$0	0	$11,136,900	Project underway.
Impact Harrisburg (IH)	Local Stormwater	Project with City of Harrisburg Parks & Rec.	COMPLETED	16-Nov-17	16-Nov-17	$250,000	Cash	$200,000	Cash	$195,220	Final park construction is underway.
SUB TOTALS						**$89,386,900**		**$200,000**		**$24,332,120**	
Capital Region Water's Not Awarded Grants & Loans											
SUB TOTALS						**$0**		**$0**			

CAPITAL REGION™

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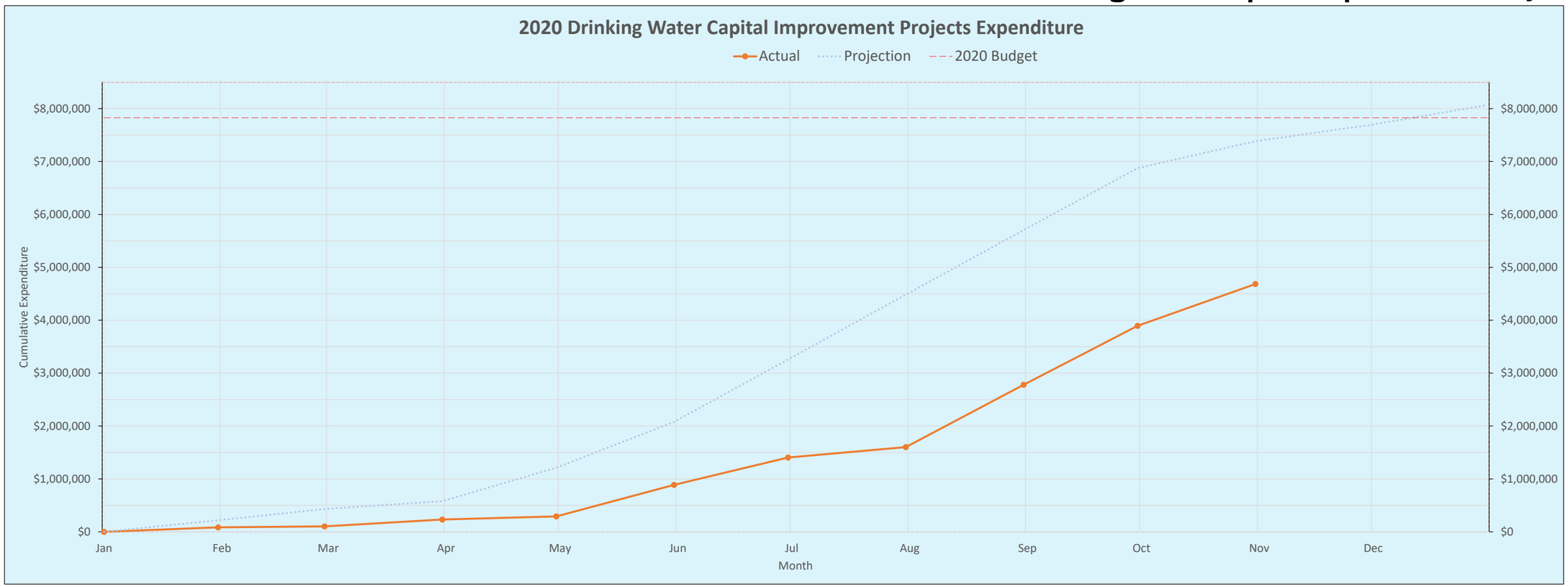
Capital Improvement Projects Report

CAPITAL REGION WATER

Drinking Water Capital Improvement Projects Report



ACTUAL EXPENDITURE (from Finance)

MUNIS Project Code	Description	Status	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Actual Expenditure YTD	% Budget Expended	2020 Budget
60800801-80100-00006	Mountain Line Repairs	DESIGN	$ 567	$ -	$ 687	$ -	$ 263	$ -	$ -	$ 950	$ -	70			$ 2,537	1%	$ 187,000
60800801-80100-00008	WSC Filter Media Replacement	CONSTRUCTION	$ 2,278	$ -	$ 45,020	$ -	$ 1,170	$ 72,555	$ 17,526	$ -	$ -	-			$ 138,549		$ 0
60800801-80100-00015	Water Main Replacement	BID/AWARD	$ 16,336	$ 17,102	$ 420	$ 314	$ -	$ -	$ 172,090	$ 345,208	$ 311,733	215,842			$ 1,079,045	44%	$ 2,450,000
60800801-80100-00016	Water Main Condition Assessment	DESIGN	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,052	$ 856	-			$ 1,908	2%	$ 100,000
60800801-80100-00046	Mountain Line Clearing	DESIGN	$ 10,721	$ -	$ 16,534	$ 533	$ 14,501	$ 9,596	$ 2,270	$ -	$ 747	2,433			$ 57,334	14%	$ 404,000
60800801-80100-00050	DeHart Spillway Improvements	DESIGN	$ 31,684	$ -	$ -	$ 58,517	$ 43,669	$ 57,445	$ -	$ 50,790	$ 44,726	-			$ 286,832		$ 992,000
60800801-80100-00081	Cameron Street Water Main Phase 2	CONSTRUCTION	$ 14,894	$ -	$ 21,519	$ -	$ 535,146	$ 377,100	$ -	$ 779,064	$ 757,874	571,517			$ 3,057,115	84%	$ 3,619,000
60800801-80100-00092	Liquid Fluoride Chemical Feed	CONSTRUCTION	$ 8,872	$ -	$ 46,174	$ -	$ -	$ -	$ 5,843	$ -	$ -	-			$ 60,889		$ 0
60800801-80100-00101	Bottle Filler Station & Building	DESIGN	$ -	$ -	$ -	$ -	$ -	-	$ -	$ -	$ -	-			$ -	0%	$ 75,000
	Actual Monthly Expenditure		**$ 85,352**	**$ 17,102**	**$ 130,354**	**$ 59,364**	**$ 594,748**	**$ 516,697**	**$ 197,729**	**$ 1,177,065**	**$ 1,115,936**	**$ 789,862**	**$ -**	**$ -**	**$ 4,684,209**	59.8%	**7,827,000**
	Actual CUMULATIVE Expenditure		**$ 85,352**	**$ 102,454**	**$ 232,808**	**$ 292,172**	**$ 886,920**	**$ 1,403,617**	**$ 1,601,346**	**$ 2,778,411**	**$ 3,894,348**	**$ 4,684,209**					

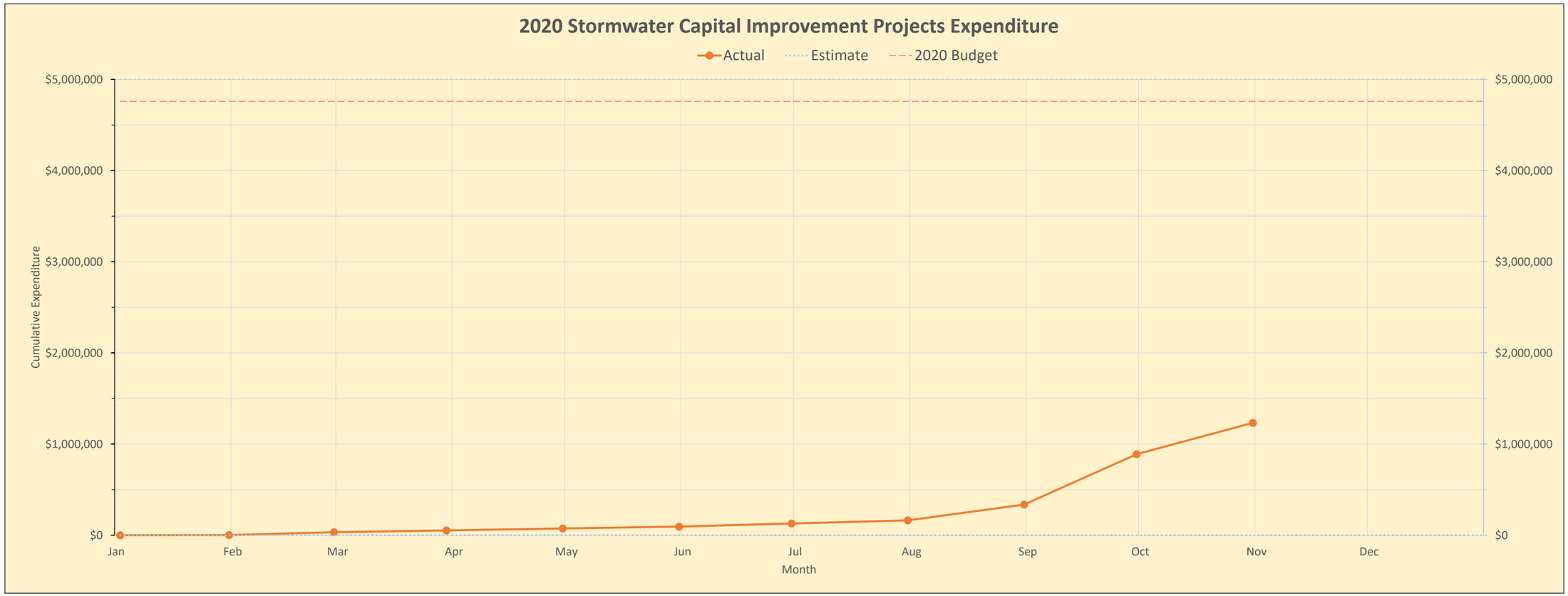
CAPITAL REGION WATER

Wastewater Capital Improvement Projects Report

ACTUAL EXPENDITURE (from Finance)

MUNIS Project Code	Description	Status	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Actual Expenditure YTD	% Budget Expended	2020 Budget
80800801-80100-00020	Primary Digester Rehabilitation	CONSTRUCTION	$ 161,431	$ 143,476	$ 165,147	$ 377,193	$ 204,808	$ 85,151	$ 55,480	$ 156,664	$ 41,736	$ 113,692			$ 1,504,777	77%	$ 1,946,000
80800801-80100-00023	Cogeneration Improvments St	DESIGN	$ 144,455	$ -	$ 85,886	$ 159,444	$ 87,140	$ -	$ 73,227	$ 102,669	$ 59,350	$ 74,952			$ 787,123	79%	$ 1,000,000
80800801-80100-00025	Front St Pump Station Des/Cons	CONSTRUCTION	$ 114,233	$ 504,460	$ 269,589	$ 171,150	$ 603,487	$ 531,259	$ 275,500	$ 2,267,854	$ 1,816,159	$ 33,941			$ 6,587,632	64%	$ 10,301,000
80800801-80100-00026	Collection System Rehabilitation	BID/AWARD	$ 416,162	$ 81,237	$ 36,557	$ 47,550	$ 78,417	$ 222,915	$ 177,062	$ 455,327	$ 434,282	$ 298,990			$ 2,248,498	38%	$ 5,882,000
80800801-80100-00028	Paxton Creek Interceptor Re	DESIGN	$ 2,249	$ 2,101	$ 49,782	$ 2,208	$ 4,819	$ 1,159	$ 1,837	$ 312	$ 9,685	$ 790			$ 74,940	12%	$ 610,000
80800801-80100-00061	Arsenal Boulevard Sewer Improvements	DESIGN	$ 100	$ -	$ 22,614	$ 50	$ 13,600	$ 5,274	$ -	$ -	$ 2,347	$ -			$ 43,984	4%	$ 1,238,000
80800801-80100-00065	Other Multi-Modal CCTV Investi	DESIGN	$ 844	$ -	$ -	$ -	$ -	$ -	$ -	$ 155,600	$ -	$ -			$ 156,444	39%	$ 400,000
80800801-80100-00083	Front Street Interceptor Rehabilitation - Ph 2	DESIGN	$ -	$ -	$ 4,268	$ -	$ 3,580	$ -	$ -	$ -	$ -	$ 16,990			$ 24,838	11%	$ 221,000
80800801-80100-00090	2nd/7th Strts Multimoda GSI	CONSTRUCTION	$ -	$ -	$ 5,357	$ 4,751	$ 10,331	$ -	$ -	$ 732	$ -	$ -			$ 21,171	5%	$ 460,000
80800801-80100-00103	AWTF Primary Sludge Pipe Replacement	CONSTRUCTION	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -			$ -	0%	$ 250,000
80800801-80100-00112	Uptown CSS Area Decentralized G/G	DESIGN	$ -	$ -	$ 6,622	$ 2,085	$ 3,092	$ 11,139	$ 4,714	$ 14,220	$ 7,953	$ 3,003			$ 52,828	40%	$ 132,500
80800801-80100-00113	Lower Paxton Creek CSS Area Decentralized G/	DESIGN	$ -	$ -	$ -	$ -	$ 70,355	$ -	$ -	$ 41,053	$ -	$ -			$ 111,408	47%	$ 238,500
80800801-80100-00114	Lower Front Street CSS Area Decentralized G/G	DESIGN	$ -	$ -	$ 4,521	$ 6,775	$ -	$ 7,050	$ 10,084	$ -	$ 27,004	$ -			$ 55,434	70%	$ 79,500
	Actual Monthly Expenditure		**$ 839,474**	**$ 731,273**	**$ 650,344**	**$ 771,204**	**$ 1,079,629**	**$ 863,947**	**$ 597,903**	**$ 3,194,430**	**$ 2,398,517**	**$ 542,358**			**$ 11,669,079**	**51.3%**	**$ 22,758,500**
	Actual CUMULATIVE Expenditure		**$ 839,474**	**$ 1,570,747**	**$ 2,221,091**	**$ 2,992,295**	**$ 4,071,925**	**$ 4,935,871**	**$ 5,533,774**	**$ 8,728,205**	**$ 11,126,722**	**$ 11,669,079**					

Stormwater Capital Improvement Projects Report



ACTUAL EXPENDITURE (from Finance)

MUNIS Project Code	Description	Status	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Actual Expenditure YTD	% Budget Expended	2020 Budget
80800801-80100-00085	City Parks GSI	BID/AWARD	$ 2,009	$ -	$ -	$ 7,841	$ -	$ 5,208	$ -	$ 1,500	$ -	$ 22,250			$ 38,807	12%	$ 329,000
80800801-80100-00087	Camp Curtin Big Green Block GSI	BID/AWARD	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -			$ -	0%	$ 1,857,000
80800801-80100-00089	South Allison Hill GSI	BID/AWARD	$ -	$ -	$ 3,441	$ 1,025	$ 13,595	$ 16,161	$ 25,354	$ 171,094	$ 387,085	$ 318,601			$ 936,357	79%	$ 1,179,000
80800801-80100-00091	Paxton Crk TMDL Joint PRP MS4	BID/AWARD	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 165,486	$ -			$ 165,486	38%	$ 434,000
80800801-80100-00108	SW Pond Retrofit - Bellevue Pa	DESIGN	$ -	$ 24,155	$ -	$ 11,476	$ -	$ 6,771	$ 9,198	$ 1,309	$ -	$ 3,033			$ 55,942	25%	$ 222,000
80800801-80100-00109	TLC Cornerstone GSI	DESIGN	$ -	$ 6,606	$ 17,417	$ -	$ 6,820	$ 5,965	$ -	$ -	$ -	$ -			$ 36,807	10%	$ 363,000
80800801-80100-00111	PENNVEST Prog Financing - Phas	DESIGN	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -			$ -	0%	$ 375,000
	Actual Monthly Expenditure		**$ 2,009**	**$ 30,761**	**$ 20,858**	**$ 20,342**	**$ 20,415**	**$ 34,104**	**$ 34,552**	**$ 173,902**	**$ 552,571**	**$ 343,885**			**$ 1,233,399**	**25.9%**	**$ 4,759,000**
	Actual CUMULATIVE Expenditure		**$ 2,009**	**$ 32,770**	**$ 53,628**	**$ 73,969**	**$ 94,385**	**$ 128,489**	**$ 163,041**	**$ 336,944**	**$ 889,514**	**$ 1,233,399**					

CAPITAL REGION™

WATER

Development Stormwater Management Review Summary

CAPITAL REGION WATER

Development Stormwater Management Review Summary

December 7, 2020 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	Sent comment letter on 11/19/2020
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 01/02/2020
Bethesda Mission	Preliminary/Final Development	2/10/2020	2/20/2020	Paxton Creek	Rain Garden	0.4	x	x	x	Sent comment letter on 02/20/2020
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 02/27/2020
2525 7th Street	Preliminary/Final Development	6/30/2020	7/20/2020	Paxton Creek	SWM Facility	11.35	x	x	x	Sent comment letter on 07/20/2020
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 04/24/2020

CAPITAL REGION™

WATER

Recruiting Status

CAPITAL REGION WATER

RECRUITING STATUS

Carlesha Halkias, HR Manager

December 4, 2020

New Hires

Position	Employee	Effective Date	Service Area
Cashier I – Admin.	Jonathan Moscoso Ramos	12/07/2020	No
Payroll and Benefits Manager	Kristina Wagner	12/07/2020	No
Laborer I – Drinking Water	Aviane Chase	January 2021 (tentative)	Yes

Resignations/Terminations

Position	Employee	Effective Date
Operations Supervisor-Drinking Water	Michelle Mancuso	11/06/2020

Open Positions

Position	Status	Service Area
Meter Account Supervisor – Finance	On hold.	N/A
Meter Tech – 1 (Two positions will be converted, and one will be a new) – Finance	Job Description in Development.	N/A
Operations Laborer I - Wastewater	Interview process underway.	N/A
Supervisor Water Operations *(Michelle Mancuso's former position, updated)*	Interview process underway	N/A

CAPITAL REGION™

WATER

Incoming Correspondence Report

Incoming Correspondence Report

November 2020

Date Received	Date of Correspondence	Company/Agency and Name of Sender	Reference	CRW Addressee/ Received by/ Provided to
11/3/2020	10/29/2020	Tompkins Insurance	Insurance	Addressed to: CRW Received by: Tiffany Harris Provided to: Joe Ritchey
11/5/2020	11/2/2020	HRG	Application for Payment No. 2 W.O. # 2020-4.2 Spot Repairs - Four Locations	Addressed to: Dave Stewart Received by: Janice Miller-Zerbe Provided to: Dave Stewart
11/5/2020		Bankruptcy	Chapter 13 Bankruptcy Court	Addressed to: CRW Received by: Tiffany Harris Provided to: Wendy Shollenberger
11/6/2020		PADEP	Notice of Chapter 252 Assessment	Addressed to: CRW Received by: Tiffany Harris Provided to: Renee Andrews
11/10/2020	11/6/2020	Law Offices of Richard Koch	US Bankruptcy Court	Addressed to: CRW Received by: Tiffany Harris Provided to: Wendy Shollenberger
11/10/2020		John Joseph McNally	Civil Action	Addressed to: CRW Received by: Tiffany Harris Provided to: Wendy Shollenberger
11/10/2020		US Bankruptcy	Bankruptcy Court	Addressed to: CRW Received by: Tiffany Harris Provided to: Wendy Shollenberger
11/10/2020		CSR Inc.	Payment Stubs	Addressed to: CRW Received by: Tiffany Harris Provided to: Nancy Kuhn
11/13/2020		Equity Trust Company	Dispute	Addressed to: CRW Received by: Tiffany Harris Provided to: Wendy Shollenberger

Incoming Correspondence Report

November 2020

Date Received	Date of Correspondence	Company/Agency and Name of Sender	Reference	CRW Addressee/ Received by/ Provided to
11/16/2020		PADEP	Notice of Chapter 252 Assessment	Addressed to: Renee Andrews Received by: Angie Leyva Provided to: Renee Andrews
11/16/2020		Keystone	Delinquent Occupation Tax	Addressed to: CRW Received by: Tiffany Harris Provided to: JoAnn Gray
11/16/2020		Keystone	Delinquent Occupation Tax	Addressed to: CRW Received by: Tiffany Harris Provided to: JoAnn Gray
11/18/2020	11/17/2020	Ekker, Kuster, McCall & Epstein, LLP	Stormwater Operation and Maintenance Agreement with Hudson Harrisburg, LP	Addressed to: Karen McKillip Received by: Karen McKillip Provided to: Karen McKillip
11/19/2020		US Bankruptcy	Bankruptcy Court	Addressed to: CRW Received by: Tiffany Harris Provided to: Wendy Shollenberger
11/23/2020		US Bankruptcy	Bankruptcy Court	Addressed to: CRW Received by: Tiffany Harris Provided to: Wendy Shollenberger
11/23/2020		Paul D. Murphy Ahles, Esquire	Bankruptcy	Addressed to: CRW Received by: Tiffany Harris Provided to: Wendy Shollenberger
11/23/2020		US Bankruptcy	Bankruptcy	Addressed to: CRW Received by: Tiffany Harris Provided to: Wendy Shollenberger
11/23/2020		US Bankruptcy	Bankruptcy	Addressed to: CRW Received by: Tiffany Harris Provided to: Wendy Shollenberger

Incoming Correspondence Report

November 2020

Date Received	Date of Correspondence	Company/Agency and Name of Sender	Reference	CRW Addressee/ Received by/ Provided to
11/24/2020		US Bankruptcy	Bankruptcy	Addressed to: CRW Received by: Tiffany Harris Provided to: Wendy Shollenberger
11/25/2020		Mott & Gendron Law	Bankruptcy	Addressed to: CRW Received by: Tiffany Harris Provided to: Wendy Shollenberger
11/30/2020		The AMES Companies	Industrial Waste Pretreatment Program	Addressed to: CRW/Attn:Randy Schaffer Received by: Tiffany Harris Provided to: Randy Schaffer

CAPITAL REGION™

WATER

Drinking Water

CAPITAL REGION™

WATER

DRINKING WATER DEPARTMENT MONTHLY REPORT

New Customer Service Center-Side Entrance Sidewalk

November 2020

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

CAPITAL REGION WATER

Drinking Water Department Monthly Report

November 2020

Plant Operations

The Capital Region Water (CRW) Drinking Water Department met all Federal Safe Drinking Water Act Water Quality Standards for the month of November. Specific water quality results are summarized in Exhibit A. A total of 190.6 million gallons (MG), 6.57 million gallons per day (MGD), was withdrawn from the water supply sources for treatment. As shown in Exhibit B, a total of 186.8 MG, 6.42 MGD, of finished drinking water was pumped to the distribution system.

The DeHart water source was in service 30 days. The Susquehanna River water source was not utilized. The DeHart Watershed had below average rainfall in November (Exhibit C) and the DeHart Reservoir water level decreased (Exhibit D). An estimated 256.4 MG of water was released from DeHart Reservoir to Clark Creek, averaging 8.54 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 staff performed scheduled preventative maintenance for the month of November 2020 using the Cityworks Maintenance Management System for all water treatment plant equipment and fleet vehicles.

- The DeHart property was patrolled daily and maintained.
- The Maintenance Team have been following all COVID-19 Safety Protocol and Requirements.
- Leaf clearing and cleaning has been ongoing at the Corporate Offices, WSC, all pump stations and the DeHart Dam Facility.
- The Union Street Pumping Station interior process pipe painting is still underway. This will be completed during the winter months because all the painting is indoors.
- The “A” side water basins are back on-line.
- The refurbishment of the Claritrac System Control Panels, two remaining out of four panels, are still underway to install new legend plates, selector switches, contact blocks, and indicator lights. This is being done in-house by our Maintenance Team.
- Salto access card readers have been installed on the seven remaining doors by Empire Door Systems.
- The installation of security cameras at the new Corporate Office Facility is completed. The WSC Maintenance Team has been working with Tom Czyzykowski.
- The rebuilding of the Gate House Pump/Motor 630A is scheduled to be rebuilt the week of December 21, 2020. Bearings, seals, wear rings, bearing journal sleeves, and new packing will be installed in the pump. New bearings, grounding ring, and varnish/baking of the windings will be done to the motor. This equipment was over 40 years old and needed refurbishment.

- The Finished Water Pump 605A is still out for repair.
- New sidewalks have been installed on at the CSC Side Entrance.
- The bulk filling station cabinet was installed by Enginuity and did not meet our expectations. Enginuity will replace the entire cabinet free of charge. I have been notified that the cabinet is completed, and we are just waiting for an installation date.
- Salto access card readers have been installed on the Front Street, Union Square, and Reservoir Park WPS Main Entrance Doors in the month of November 2020.
- The cleaning out of the Sludge Tank was completed this month. This has not been done in almost three years and there was a good amount of sludge that was removed from the tank.
- The Existing Carbon Tanks were cleaned out this month. These tanks have not been used in over 20 years. The walls and floors were power washed and cleaned as well. These tanks will be used to introduce a lime slurry into the drinking water system. This should be on-line by the end of the year or early next year.

Distribution

The Distribution Group, while keeping up with the COVID–19 Pandemic safety requirements, managed to:

- Repair three old service line leaks – 460,975 Gallons unmetered water for the month
- Repair seven fire hydrants
- Replace one fire hydrant
- Complete 122 Work Orders
- Complete 542 Water and Sewer Locates
- Start next round of leak detection with Permaloggers
- Work on Satellite Leak Detection – 2nd Scan
- Assist contractor performing pipe lining on 12-inch water main on Cameron Street
- Assist contractor replacing water main at Crescent Street between Berryhill and Mulberry Streets.

Water Quality

The new Water Quality Administrator, Renee Andrews, started at the end of August. Renee was tasked with dedicating the vast majority of her time to reinstatement of the Water Services Center PADEP Laboratory Accreditation status. By the end of November, all required documents and pictures were submitted to the assigned PADEP Laboratory Inspector in preparation for the virtual inspection taking place on December 3, 2020.

The Water Quality Administrator collected annual regulatory samples for inorganic and volatile organic compounds. All test results received so far were below the PADEP Maximum Contaminant Level (MCL). Sampling of discharge process wastewater was also performed in accordance with our Industrial User Permit.

CAPITAL REGION™

WATER

Drinking Water Exhibits

CAPITAL REGION WATER

EXHIBIT A
Water Quality Anaylsis - 2020

PARAMETERS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Average	MCL Limits
Total Coliform: Presence/Absence														
DeHart Influent	P	P	P	P	P	***	***	***	***	***	***		**P**	NA
Susquehanna Influent	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		**NA**	NA
Distribution System	A	A	A	A	P	A	A	P	A	P	A		**A**	5% P
Chlorine Residual, mg/L Free														
Filter Plant Effluent	1.56	1.48	1.57	1.52	***	1.71	1.66	1.76	1.85	1.76	1.75		**1.66**	0.2 - 4.0
Distribution System	1.11	1.19	1.14	1.10	1.10	1.13	1.10	1.10	1.15	1.18	1.04		**1.12**	<0.02
Turbidity, NTU														
Influent from DeHart	0.61	0.56	0.48	0.63	0.99	0.55	1.05	0.65	0.83	1.19	0.81		**0.76**	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		**NA**	NA
Filter Plant Effluent	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02		**0.02**	0.30
pH, Std Units														
Influent from DeHart	6.9	6.8	6.7	6.7	6.2	6.0	6.2	6.2	6.2	6.4	6.7		**6.5**	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		**NA**	NA
Filter Plant Effluent	7.6	7.7	7.7	7.7	7.7	7.9	7.9	7.8	7.9	7.9	8.0		**7.8**	6.5 - 8.5*
Distribution System	7.4	7.3	7.4	7.4	7.4	7.5	7.5	7.6	7.6	***	7.6		**7.5**	6.5 - 8.5*
Total Alkalinity, mg/L as CaCO3														
Influent DeHart	5	5	5	5	5	4	5	5	5	5.00	5		**5**	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		**NA**	NA
Filter Plant Effluent	13	12	12	12	12	13	14	16	18	17	15		**14**	<15*
Distribution System	12	12	11	12	11	13	15	17	20	***	16		**14**	<15*
Temperature, degrees C														
Influent from DeHart	6.8	6.4	7.9	10.2	12.9	15.1	17.0	17.2	17.7	16.1	13.3		**12.8**	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		**NA**	NA
Filter Plant Effluent	7.2	6.8	8.2	10.3	12.7	14.0	15.9	16.7	17.0	16.1	13.5		**12.6**	NA
Distribution System	11.9	11.7	12.5	12.8	15.0	18.4	20.4	21.0	19.8	***	16.2		**16.0**	NA
Fluoride, mg/L														
Filter Plant Effluent	0.68	0.67	0.70	0.77	0.72	0.63	0.61	0.65	0.63	0.61	0.67		**0.67**	2
Aluminum, mg/L														
Filter Plant Effluent	0.02	0.02	0.01	0.01	0.03	0.03	0.02	0.21	0.02	0.01	0.02		**0.04**	0.2*
Iron, mg/L														
Influent from DeHart	0.28	0.20	0.13	0.12	0.11	0.09	0.10	0.13	0.41	0.47	0.24		**0.21**	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		**NA**	NA
Filter Plant Effluent	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02		**0.02**	0.3*
Distribution System	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.01		***	0.02		**0.01**	0.3*
Total Dissolved Solids, mg/L														
Influent from DeHart	14	15	15	15	12	12	12	13	13	13	13		**13**	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		**NA**	NA
Filter Plant Effluent	26	26	26	26	25	28	31	35	37	32	29		**29**	500*
Distribution System	38	38	38	38	39	41	44	49	51	***	43		**42**	500*
Total Hardness, mg/L														
Influent from DeHart	8	8	8	8	8	8	8	8	8	8	8		**8**	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		**NA**	NA
Filter Plant Effluent	8	8	8	8	8	8	8	8	8	8	8		**8**	NA
Distribution System	6	6	6	6	6	5	6	6	7	***	6		**6**	NA
Orthophosphate, mg/L														
Filter Plant Effluent	1.18	1.20	1.33	1.23	1.25	1.23	1.21	1.23	1.24	1.22	1.26		**1.23**	0.7 - 1.3*
Distribution System	1.10	1.12	1.18	1.20	1.27	1.25	1.24	1.25	1.17	***	1.28		**1.21**	0.7 - 1.3*
****Total Trihalomethanes, mg/L**														
Distribution System	0.032	NA	NA	0.029	NA	NA	0.059	NA	NA	***	NA		**0.040**	0.080
****Total Haloacetic Acids, mg/L**														
Distribution System	0.030	NA	NA	0.023	NA	NA	0.041	NA	NA	***	NA		**0.031**	0.060
Total Organic Carbon, mg/L														
Influent from DeHart	2.23	NA	NA	1.69	NA	NA	2.48	NA	NA	***	NA		**2.13**	NA
Influent from Susquehanna	NA	NA	NA	NA	NA	NA	NA	NA	NA	***	NA		**NA**	NA
Filter Plant Effluent	1.23	NA	NA	0.86	NA	NA	1.18	NA	NA	***	NA		**1.09**	NA
										***	NA			
Average Filter Run, Hours	92	97	97	98	110	113	108	108	116	***			**104**	NA

* Values are related to DEP *Secondary* MCL *** Not Available at Time of Report
** Running Annual Quarterly Average

CAPITAL REGION WATER

EXHIBIT B

Water Production Data - 2020

	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	208.995	6.742	0.000	0.000	208.995	6.742	209.457	6.757	19.682	0.635	189.775	6.122
February	201.749	6.957	0.000	0.000	201.749	6.957	199.602	6.883	17.038	0.588	182.564	6.295
March	208.613	6.729	0.000	0.000	208.613	6.729	202.995	6.548	4.292	0.138	198.703	6.410
April	196.610	6.554	0.000	0.000	196.610	6.554	192.270	6.409	1.596	0.053	190.674	6.356
May	205.151	6.618	0.000	0.000	205.151	6.618	215.311	6.946	13.998	0.452	201.313	6.494
June	213.268	7.109	0.000	0.000	213.268	7.109	224.076	7.469	14.672	0.489	209.404	6.980
July	232.355	7.495	0.000	0.000	232.355	7.495	233.745	7.540	3.837	0.124	229.908	7.416
August	225.508	7.274	0.000	0.000	225.508	7.274	223.879	7.185	1.134	0.036	222.745	7.185
September	207.640	6.921	0.000	0.000	207.640	6.921	204.029	6.801	-0.367	0.013	204.396	6.813
October	208.747	6.734	0.000	0.000	203.064	6.553	200.331	6.462	11.466	0.382	199.455	6.434
November	**190.620**	**6.573**	**0.000**	**0.000**	**187.603**	**6.469**	**173.739**	**6.435**	**7.231**	**0.249**	**186.832**	**6.442**
December												
Total	**2299.256**		**0.000**		**2290.556**		**2279.434**		**94.579**		**2215.769**	
Average	**209.023**	**6.882**	**0.000**	**0.000**	**208.232**	**6.856**	**207.221**	**6.858**	**8.598**	**0.287**	**201.434**	**6.632**

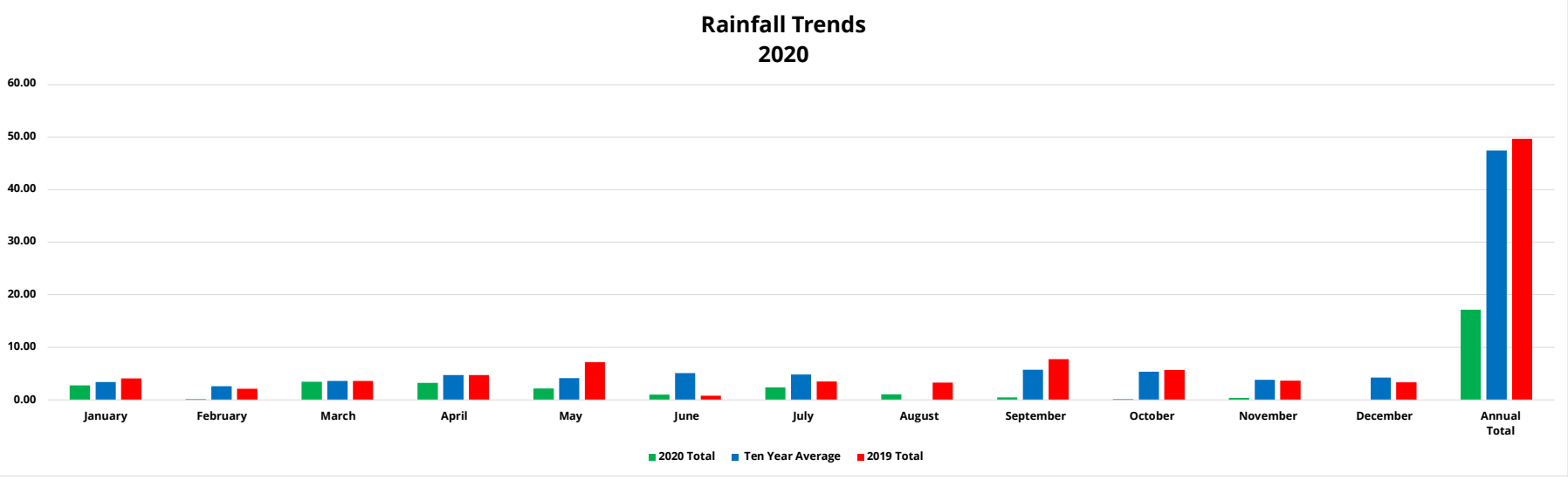
Peak Day Water Use	5/31/2020	6.966	(MG) = Million Gallons
Minimum Day Water Use	5/1/2020	6.081	(MGD) = Million Gallons per Day

CAPITAL REGION WATER

EXHIBIT C

Rainfall at the DeHart Reservoir - 2020
(inches)

Date	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
2020 Total	2.76	0.17	3.42	3.23	2.20	1.00	2.39	1.02	0.43	0.16	**0.39**		**17.167**
Daily Average	0.089	0.006	0.110	0.108	0.071	0.033	0.077	0.033	0.014	0.005	**0.013**	0.000	**0.56**
Ten Year Average	3.37	2.572	3.62	4.68	4.138	5.112	4.81	4.154.25	5.72	5.37	**3.83**	4.21	**47.432**
2019 Total	4.10	2.14	3.60	4.68	7.18	0.81	3.48	3.26	7.74	5.65	**3.69**	3.34	**49.67**



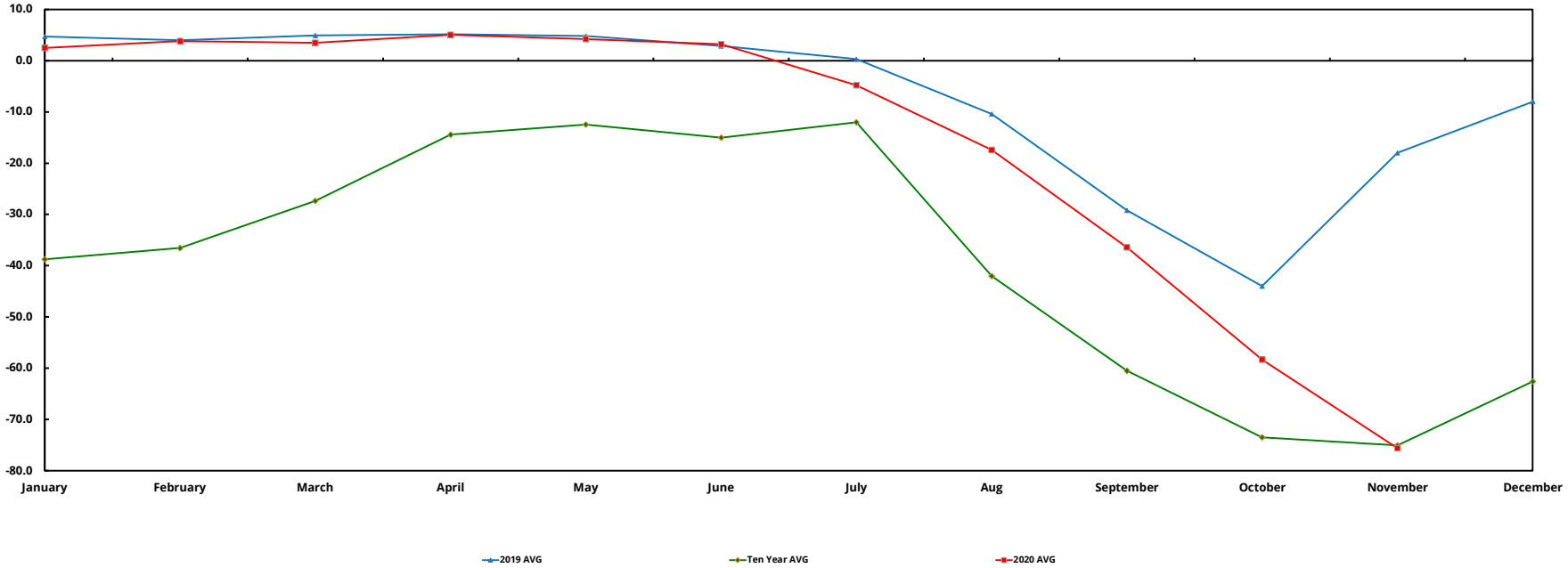
CAPITAL REGION WATER

EXHIBIT D

Water Level at the DeHart Reservoir - 2020
(Inches from Spillway)

Date	January	February	March	April	May	June	July	Aug	September	October	November	December
2020 AVG	2.5	3.8	3.5	5.0	4.2	3.2	-4.8	-17.4	-36.4	-58.3	**-75.6**	
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**
2019 AVG	4.7	4.0	4.9	5.2	4.8	2.9	0.3	-10.4	-29.2	**-44.0**	-18.0	**-8.0**

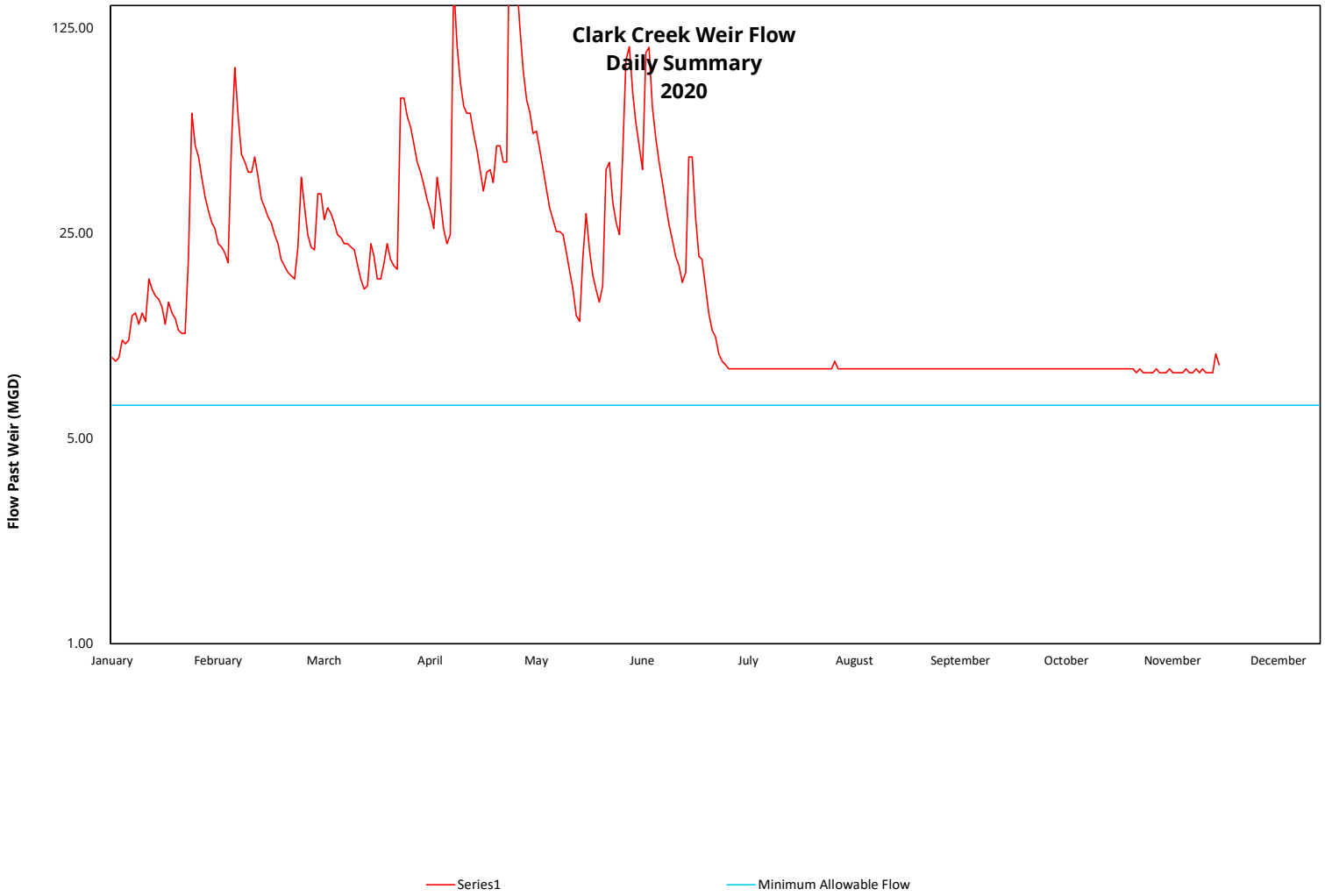
DeHart Reservoir Water Level Trends
2020



CAPITAL REGION WATER

EXHIBIT E

Daily Conservation Release - 2020



CAPITAL REGION WATER

EXHIBIT F

Utility Usage - 2020

Location / Utility	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Water Services Center														
Electric Transmission														
Total, kwH	187,200	136,800	115,200	133,200	151,200	151,200	158,400	189,000	183,600	163,800	**163,800**	0	**144,450**	**1,733,400**
Cost, Dollars	$8,251.05	$6,501.67	$5,929.72	$6,653.78	$6,557.98	$6,995.77	$7,878.92	$8,695.14	$8,087.86	$7,737.82	**		**$7,328.97**	**$73,289.71**
Electric Generation														
Total, kwH	187,200	136,800	115,200	133,200	151,200	151,200	158,400	189,000	183,600	163,800	**163,800**	0	**144,450**	**1,733,400**
Cost, Dollars	$1,188.55	$1,212.81	$1,142.00	$1,031.65	$1,116.80	$1,162.27	$1,150.64	$1,209.34	$1,136.34	$1,121.70	**$ 1,177.07**	$0.00	**$1,054.10**	**$12,649.17**
Natural Gas														
Total, Cu Ft	1,154,551	1,036,316	82,355	68,755	22,398	18,480	14,812	14,015	9,708	23,282	**	0	**244,467**	**2,444,672**
Cost, Dollars	$10,649.67	$10,251.59	$7,541.25	$6,196.17	$2,094.12	$1,274.75	$1,422.87	$1,126.19	$1,319.23	$3,460.43	**		**$4,533.63**	**$45,336.27**
Sewer														
Total, Gal	5,290,000	3,570,000	4,350,000	4,880,000	3,680,000	4,810,000	4,010,000	4,710,000	4,430,000	5,851,000	**	0	**4,558,100**	**45,581,000**
Cost, Dollars	$42,267.10	$28,524.30	$34,756.50	$38,991.20	$29,403.20	$38,431.90	$32,039.90	$37,632.90	$35,395.70	$46,749.49	**	$0.00	**$33,108.38**	**$364,192.19**
Refuse														
Cost, Dollars	$967.70	$509.60	$509.60	$509.60	$509.60	$509.60	$509.60	$509.60	$509.60	$509.60	**$ 509.60**	$0.00	**$505.31**	**$6,063.70**
Reservoir Park Pump Station														
Electric Transmission														
Total, kwH	87,600	86,800	89,600	86,800	90,000	90,000	92,800	86,800	99,600	82,000	**89,200**	0	**89,200**	**981,200**
Cost, Dollars	$3,583.60	$3,689.51	$3,758.90	$3,582.92	$3,487.13	$3,560.68	$3,669.20	$3,293.89	$4,123.78	$0.00	**	$0.00	**$2,977.24**	**$32,749.61**
Electric Generation														
Total, kwH	87,600	86,800	89,600	86,800	90,000	90,000	92,800	86,800	99,600	82,000	**89,200**	0	**89,200**	**981,200**
Cost, Dollars	$1,321.48	$1,315.49	$1,323.18	$1,274.13	$1,180.24	$1,180.24	$1,176.12	$1,171.65	$1,188.55	$1,154.63	**$ 1,122.59**	$0.00	**$1,117.36**	**$13,408.30**
Natural Gas														
Total, Cu Ft	431	315	196	115	3	0	0	0	0	0	**	*	**106**	**1,060**
Cost, Dollars	$401.15	$299.22	$194.61	$123.45	$25.05	$22.41	$22.41	$22.41	$22.41	$23.52	**	$0.00	**$105.15**	**$1,156.64**
Susquehanna River Pump Station														
Electric Transmission														
Total, kwH	1,200	1,200	1,200	600	1,200	1,800	1,800	600	1,200	600	**	0	**1,140**	**11,400**
Cost, Dollars	$55.80	$50.52	$52.22	$49.67	$35.92	$52.21	$69.16	$72.97	$38.22	$49.01	**	$0.00	**$52.57**	**$525.70**
Electric Generation														
Total, kwH	1,200	1,200	1,200	600	1,200	1,800	1,800	600	1,200	600	**	0	**1,140**	**11,400**
Cost, Dollars	$97.30	$72.63	$72.63	$69.16	$146.08	$76.68	$79.95	$67.98	$96.30	$91.91	**	$0.00	**$79.15**	**$870.62**
Natural Gas														
Total, Cu Ft	661	647	429	371	143	0	0	0	23	149	**	0	**242**	**2,423**
Cost, Dollars	$603.25	$590.94	$399.33	$348.35	$148.05	$22.41	$22.41	$22.41	$42.62	$155.88	**	$0.00	**$214.15**	**$2,355.65**
Union Square Booster Station														
Electric Transmission														
Total, kwH	2,724	2,528	2,326	1,667	1,964	646	403	503	4,092	6,721	**	0	**2,357**	**23,574**
Cost,Dollars	$227.74	$100.12	$91.83	$0.00	$81.89	$83.12	$66.06	$55.88	$64.29	$126.25	**	$0.00	**$89.72**	**$897.18**
Electric Generation														
Total, kwH	2,724	2,528	2,326	1,667	1,964	646	403	503	4,092	6,721	**	0	**2,357**	**23,574**
Cost, Dollars	$112.26	$101.29	$100.72	$96.22	$120.16	$113.26	$64.25	$88.62	$120.89	$127.66	**	$0.00	**$95.03**	**$1,045.33**
DeHart Facilities														
Electric Transmission														
Total, kwH	2,108	2,299	2,301	2,613	2,307	1,465	3,134	3,015	1787	1,506	**2,136**	0	**2,243**	**24,671**
Cost, Dollars	$168.67	$159.99	$159.11	$380.75	$158.96	$288.25	$182.63	$172.24	$145.27	$151.60	**$ 88.63**	$0.00	**$171.34**	**$2,056.10**
Electric Generation														
Total, kwH	2,108	2,299	2,301	2,613	2,307	1,465	3,134	3,015	1,787	1,506	**	0	**2,254**	**22,535**
Cost, Dollars	$94.96	$113.22	$95.52	$93.83	$96.19	$173.12	$105.62	$101.65	$92.53	$87.96	**	$0.00	**$95.87**	**$1,054.60**
Fuel Oil														
Total, Gals.	0	0	1,387	0	0	0	0	0	0	0	**	0	**139**	**1,387**
Cost, Dollars	$0.00	$0.00	$2,123.64	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**	$0.00	**$212.36**	**$2,123.64**
City Island Heat Trace														
Electric Transmission														
Total, kwH	541	792	742	392	319	310	277	178	198	238	**	0	**399**	**3,987**
Cost, Dollars	$55.45	$52.11	$42.52	$45.45	$42.61	$45.53	$47.20	$0.00	$42.17	$45.79	**	$0.00	**$38.08**	**$418.83**
Electric Generation														
Total, kwH	541	792	742	392	319	310	277	178	198	238	**	0	**399**	**3,987**
Cost, Dollars	$95.37	$96.53	$96.39	$65.14	$64.80	$60.94	$60.62	$60.49	$60.41	$63.73	**	$0.00	**$65.86**	**$724.42**
Expenditures YTD	$70,141	$53,642	$58,390	$59,511	$45,269	$54,053	$48,568	$54,303	$52,486	$61,657	**#VALUE!**	$0	$51,844	$560,918

**** Not available at time report was developed**

Total Transmission	**$109,937**
Total Generation	**$29,752**
Total Refuse	**$6,064**
Total Gas	**$48,849**
Total Sewer	**$364,192**
Total Fuel Oil	**$2,124**
Total Utilities	**$554,854**

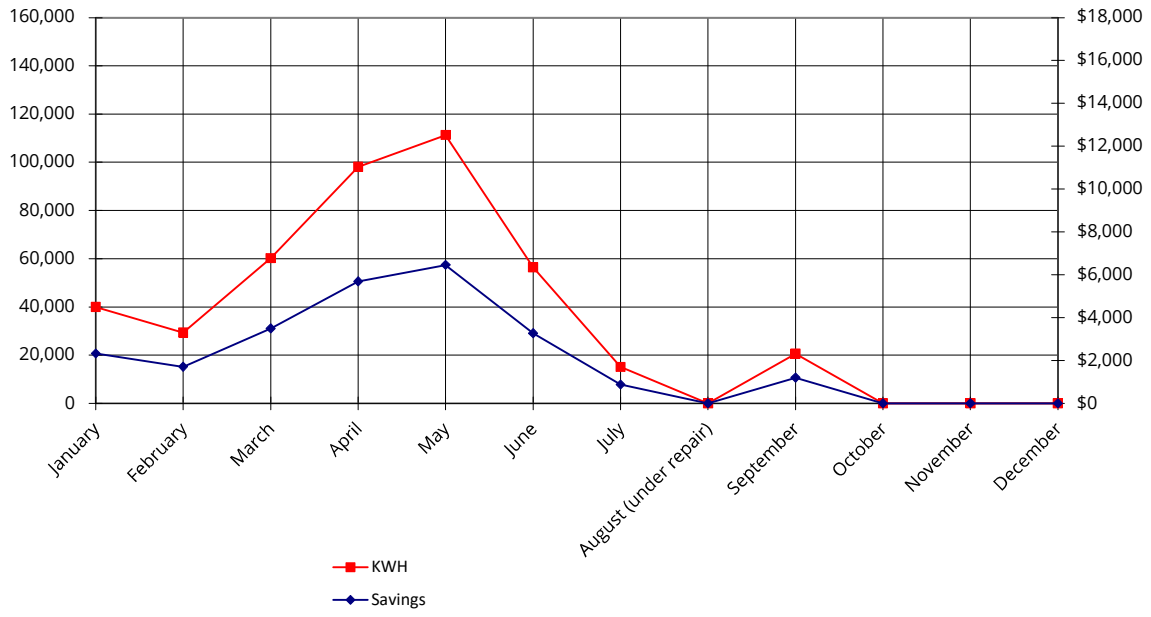
CAPITAL REGION WATER

Exhibit G

Hydro-Turbine Generator Performance - 2020

Month	Kilowatt-hour (KWH)	Anticipated Savings *
January	40,000	$2,320
February	29344	$1,702
March	60,194	$3,491
April	98,081	$5,689
May	111,269	$6,454
June	56,436	$3,273
July	15,080	$875
August (under repair)	0	$0
September	20,612	$1,195
October	0	$0
November	**0**	**$0**
December	0	$0
Average	**40,000**	**$2,320**
Year to Date	**431,016**	**$24,999**

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



CAPITAL REGION WATER

EXHIBIT H

Treatment Chemical Usage - 2020

Chemical	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Chlorine														
Total Lbs.	5,958	4,135	4,362	4,116	4,673	5,279	6,090	6,190	5,627			5,681	**5,211**	**52,111**
Average, Chlorine Lbs./Day	199	143	141	137	151	176	197	200	188			183	**171.3**	
Average, Chlorine Dose, mg/L	3.4	2.1	2.3	2.6	2.6	2.8	3.0	3.3	2.6			3.4	**3.0**	
Chlorine, Cost, $/Lbs.	$0.305	$0.305	$0.305	$0.305	$0.305	$0.305	$0.305	$0.305	$0.305			$0.305	**$0.305**	
Chlorine Total Cost, Dollars	$1,817	$1,261	$1,330	$1,255	$1,425	$1,610	$1,858	$1,888	$1,716			$1,733	**$1,589.38**	**$15,893.82**
Alum 48.5%														
Total Lbs.	21,594	16,538	16,277	14,432	15,934	17,223	19,617	20,144	17,795			20,942	**18,050**	**180,496**
Average, Alum, Lbs./Day	697	570	525	481	514	574	633	650	593			676	**591.2**	
Average, Alum, mg/L	12.4	9.9	9.6	9.0	9.5	10.0	10.2	10.9	10.5			12.3	**10.4**	
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**	
Alum Total Cost, Dollars	$3,541	$2,712	$2,669	$2,367	$2,613	$2,825	$3,217	$3,304	$2,918			$3,434	**$2,960.11**	**$29,601.12**
Lime														
Total Lbs.	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**	
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**	
Lime Cost, $/Lbs.	$0.10	$0.10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00			$0.10	**$0.03**	
Lime Total Cost, Dollars	$ -												**$0.00**	**$0.00**
Soda Ash														
Total Lbs.	10,391	10,259	10,553	9,942	10,565	10,001	12,158	14,358	13,229			8,448	**10,990**	**109,904**
Average Soda Ash, Lbs./Day	335	354	340	331	341	325	392	479	441			273	**361.1**	
Average, Soda Ash Dose, mg/L	5.9	6.2	6.2	6.2	6.3	5.9	6.4	7.7	7.8			5.0	**6.4**	
Soda Ash Cost, $/Lbs.	$0.299	$0.299	$0.299	$0.299	$0.299	$0.299	$0.299	$0.299	$0.299			$0.299	**$0.299**	
Soda Ash Total Cost, Dollars	$3,107	$3,067	$3,155	$2,973	$3,158	$2,990	$3,635	$4,293	$3,955			$2,526	**$3,286.04**	**$32,860.41**
Fluoride														
Total Lbs.	1,122	1,036	1,573	1,399	1,288	1,406	1,150	1,038	953			1,104	**1,207**	**12,068**
Average, Fluoride Lbs./Day	36	36	51	47	42	47	37	34	32			36	**39.5**	
Average, Fluoride (F-) Dose, mg/L	0.7	0.7	0.9	0.9	0.8	0.8	0.7	0.7	0.7			0.7	**0.8**	
Fluoride Cost, $/Lbs.	$0.48	$0.48	$0.48	$0.48	$0.48	$0.48	$0.48	$0.48	$0.48			$0.48	**$0.48**	
Fluoride Total Cost, Dollars	$539	$497	$755	$672	$618	$675	$552	$498	$457			$530	**$579.26**	**$5,792.64**
Sodium Hydroxide 50%														
Total NaOH 50% dry Lbs.	11,231	9,843	21,480	20,047	23,281	27,842	38,893	45,321	45,098			10,154	**25,319**	**253,189**
Average NaOH 50%, dry Lbs./Day	362	342	693	668	751	928	1,255	1,462	1,503			328	**829**	
Average, NaOH 50%, mg/L	3.0	2.9	7.1	5.9	6.5	7.4	10.0	12.1	13.3			3.0	**7.1**	
NaOH 50% Cost, dry $/Lbs	$0.174	$0.174	$0.174	$0.174	$0.174	$0.174	$0.174	$0.174	$0.174			$0.174	**$0.174**	
NaOH 50% Total Cost, Dollars	$1,954	$1,713	$3,738	$3,488	$4,050	$4,845	$6,767	$7,886	$7,847			$1,767	**$4,405.40**	**$44,054.02**
Zinc Orthophosphate														
Total Zn3(PO4)2, wet Lbs.	4,590	4,564	4,879	4,453	4,701	4,770	5,180	5,016	4,603			4,393	**4,715**	**47,149**
Average Zn3(PO4)2, wet Lbs./Day	148	157	157	148	152	159	167	162	153			142	**154.5**	
Average, Zn3(PO4)2 Dose, mg/L	2.9	3.0	2.9	2.8	2.8	2.7	2.7	2.7	2.7			2.9	**2.8**	
Zn3(PO4)2 Cost, wet $/Lbs.	$0.374	$0.374	$0.374	$0.374	$0.374	$0.374	$0.374	$0.374	$0.374			$0.374	**$0.374**	
Zn3(PO4)2 Total Cost, Dollars	$1,717	$1,707	$1,825	$1,665	$1,758	$1,784	$1,937	$1,876	$1,721			$1,643	**$1,763.35**	**$17,633.54**
Potassium Permanganate														
Total KMnO4, Lbs.	0	0	0	0	0	0	0	0	0			0	**0**	**0**
Average KMnO4, Lbs./Day	0	0	0	0	0	0	0	0	0			0	**0.0**	
Average, KMnO4 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**	
KMnO4 Cost, $/Lbs.	$2.02	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00			$2.02	**$0.40**	
KMnO4 Total Cost, Dollars	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00			$0.00	**$0.00**	**$0.00**
Expenditure	$12,674.90	$10,957.62	$13,472.64	$12,420.01	$13,622.68	$14,728.35	$17,966.65	$19,744.36	$18,615.71	$0.00	$0.00	$11,632.64	**$14,583.55**	**$145,835.54**
Average Treated Cost per (MG)	$60.51	$54.90	$66.37	$64.60	$63.27	$65.73	$76.86	$88.19	$91.24	$0.00	$0.00	$57.16	**$2,102.62**	**$58.74**
Total Treated Flow (MGD)	209.457	199.602	202.995	192.270	215.311	224.076	233.745	223.879	204.029	200.331	173.739	203.494	**211.065**	**2,482.928**
Average Treated Flow (MGD)	6.757	6.883	6.548	6.409	6.946	7.469	7.540	7.185	6.801	6.462	6.435	6.564	**6.936**	**207.221**

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EXHIBIT I

DISTRIBUTION DEPARTMENT ACTIVITIES - 2020

Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	Average	Goal
PA One Call Locates	295	266	326	292	681	484	541	548	645	709	**541**	0	**5,328**	**444**	**100 % Response Rate**
Street Restorations	0	0	0	0	1	0	0	0	0	0	**0**	0	**1**	**0**	**0 over 180 days > 180 days;**
Leak Detection Assessment ***Percent of Distribution System***	2	2	10	2	1	8	8	8	8	8	**8**	0	**65**	**5**	**100 % Annually**
Main Break Repair - Detected Non-Surfacing	0	0	0	0	0	0	0	0	0	1	**0**	0	**1**	**0**	**NA**
Main Breaks Repaired - Emergency	1	2	0	3	2	2	3	0	1	0	**0**	0	**14**	**1**	**NA**
Service Line Leaks Detected	6	6	2	2	2	1	2	2	2	5	**5**	0	**35**	**3**	**NA**
Service Line Leaks Repaired	16	3	2	2	2	1	1	0	3	3	**4**	0	**37**	**3**	**NA**
Valves - Exercised	200	91	98	0	0	32	3	0	0	1	**0**	0	**425**	**35**	**100 Monthly**
Valves - Replaced	0	0	1	0	0	1	0	0	0	0	**0**	0	**2**	**0**	**NA**
Hydrant Flow Tests	1	3	0	0	3	1	3	2	11	6	**29**	0	**59**	**5**	**NA**
Hydrants Returned to Service	4	4	0	7	3	7	6	7	3	4	**8**	0	**53**	**4**	**< 5 Out of Service Out of Service; 0**
Water Tap - Disconnected	1	3	1	0	4	6	2	7	6	1	**4**	0	**35**	**3**	**NA**
Water Tap - New Connection	0	1	1	0	0	0	1	4	0	1	**0**	0	**8**	**1**	**NA**
Water Shutoffs - Delinquent Accounts	0	0	0	0	0	0	0	0	0	0	**0**	0	**0**	**0**	**NA**
Water Shutoffs - Other	18	15	18	4	5	7	8	8	12	9	**6**	0	0	0	**NA**
Water Restorations	27	29	26	17	18	15	22	22	21	19	**10**	0	**226**	**19**	**NA**

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EXHIBIT J

Metering Activities - 2020

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**	4	2	3	3	4	0	4	4	2	3	**1**		**30**	**3**
	Leaking	0	1	0	0	0	0	2	0	2	1	**2**		**8**	**1**
	Frozen	3	2	0	1	2	1	2	3	3	0	**0**		**17**	**2**
	Non-registering	0	4	1	0	1	0	1	1	1	3	**1**		**13**	**1**
	Large Meters[1]	0	0	0	1	0	0	0	0	2	1	**0**		**4**	**0**
New Service	**New Installation**	0	1	1	0	0	2	2	0	4	1	4		**15**	**1**
Meter Service															
MXU's Replaced	**MXU's Replaced**	41	80	45	9	7	5	25	7	9	4	**2**		**234**	**21**
Batteries Replaced	**Batteries Replaced**	71	49	18	0	0	9	6	32	21	40	**39**		**285**	**26**
Meter Pits Serviced	**Meter Pits Serviced**	0	0	0	1	0	0	0	0	2	0	0		**3**	**0**
Meter Calibrations															
Small Meters[2]	**Calibrated meters**	25	0	1	0	0	0	0	0	0	0	**0**		**26**	**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

CAPITAL REGION WATER

EXHIBIT K

Miscellaneous Water Usage (gals) - 2020

Category of Water Use	Description	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total	Average
Process Water	**Process Water**	13,392	34,360	21,180	NA	12,333	NA	NA	NA	NA	NA	**NA**	0	**81,265**	**16,253**
Billed Metered Exported	**Bulk Water Hauling**	41,700	36,000	105,000	299,000	942,000	NA	NA	NA	NA	NA	**NA**	0	**1,423,700**	**237,283**
Billed Metered	**Hydrant Connections**	0	0	1,842	655,795	1,089	10,000	0	0	57,739	127,337	**52,055**	0	**905,857**	**75,488**
Billed Unmetered	**Hydrant Flow Tests**	455	10,120	0	0	17,600	1,007	2,550	5,750	0	8,758	**24,650**	0	**70,890**	**5,908**
Unbilled Unmetered	**Hydrant Flushing (and Unbilled Authorized)**	31,514	49,515	53,291	10,825	20,200	69,495	35,715	106,295	129,675	58,020	**86,910**	0	**651,455**	**54,288**
Leakage on Distribution Mains	**Main Leaks**	20,263	17,585,068	31,680	1,034,024	25,036	259,200	3,305,030	0	102,825	0	**0**	0	**22,363,126**	**1,863,594**
Leakage on Service Lines	**Service Leaks**	8,747,124	216,988	9,360	656,640	242,160	322,560	4,987	2,467,872	223,258	195,840	**460,975**	0	**13,547,764**	**1,128,980**
	Total	8,854,448	17,932,051	222,353	2,656,284	1,260,418	662,262	3,348,282	2,579,917	513,497	389,955	**624,590**	0	**39,044,057**	**3,253,671**

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Wastewater

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WASTEWATER DEPARTMENT MONTHLY REPORT

All Four New Pumps Installed at Front Street Pumping Station

November 2020

1662 South Cameron Street, Harrisburg, PA 17104 | 888-510-0606
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AWTF Monthly Report

November 2020

Overview

In the month of November, the Wastewater Department continued functioning with strict COVID-19 precautions. As a protective measure to ensure continuous critical operations through the pandemic, essential employee groups began working a reduced schedule to limit exposure should COVID infection clusters begin to form among staff. This measure was enacted on November 30th and is expected to run through at least January 8, 2021. Management staff will be in continuous consultation with the CRW Board of Directors, CEO and Department Directors to consider additional safeguards as conditions change.

Capital Improvement Projects were again the point of considerable focus for department staff. The Front Street Pump Station Rehabilitation Project continued to make significant progress with the station on full bypass pumping. All planned demolition work was completed by November 4th. All four 15 MGD pumps have been placed and connected to the influent piping. Four 24-inch manually actuated gates were installed, as well as five electrically actuated gear boxes. The final layers of wet well coating were applied. The rapid pace of work will continue through December as costs of the bypass pumping system drive the pace.

Progress of the Primary Digester Rehabilitation Project remained stalled in October as the general contractor continues to evaluate means and methods for cleaning out Digester #1, though recent developments at the time of reporting provide hope that clean out will be resuming in early December.

Operations

During the month of November, the AWTF met all monthly average NPDES permit requirements. No Dry Weather Overflows or Sanitary Sewer Overflows occurred. Throughout the month, hydraulic loading to the AWTF averaged 15.2 million gallons per day (MGD). The treatment process achieved removal reductions of 98.6 percent CBOD, 98.1 percent Suspended Solids, 71.1 percent Phosphorus, 97.1 percent Ammonia, and 72.5 percent Nitrogen (Exhibit A).

Revenue of the Contract Waste Hauling program collected $39,983.93 in revenue from 1,315,720 gallons discharged (Exhibit G). Staff has revised offloading procedures for this program to eliminate all interactions with the employees of the hauling companies delivering these wastes. These changes will stay in place through the COVID-19 pandemic.

The Cogeneration Facility experienced an average run time of 68 percent in November. Revenue is estimated at $7,417.99 on 96,300 kilowatt-hours generated for the month. This represents an

increase from the previous month due to excellent gas production from the newly renovated Primary Digester #2.

Laboratory

- In an effort to reduce CRW employee exposure during the COVID -19 outbreak, Contract Waste Hauling Surveillance scan testing remained suspended in November.
- Completed the second semi-annual series of industrial user compliance sampling at the Hershey Creamery Company, Norfolk Southern Corporation's Harrisburg Yard and the Robert E. Young Water Service Center. All annual industrial user compliance sampling is complete.
- Assisted the Robert E. Young Water Service Center with quarterly pretreatment sampling and report preparation.
- Completed bi-monthly sampling and testing of biosolids for pollutants and fecal coliforms as required by our beneficial reuse (PAG08) permit and quarterly local limits testing.
- Continued to submit primary influent samples to Biobot laboratory for COVID -19 testing and evaluation.

Pretreatment

- Received self-monitoring reports submitted for the October 2020.
- Performed semi-annual industrial user self-monitoring inspection at Boyd State Harrisburg, LLC, Harrisburg University's Third and Chestnut Streets site, Norfolk Southern Corporation's Harrisburg Yard, Robert E. Young Water Services Center, The AMES Companies, Inc. and the Swatara Township Landfill. All annual Industrial User inspections are complete.
- Completed the Contract Waste Hauling Program's QuickBooks October data entry before forwarding the waste hauler monthly reports to billing.

Plant Maintenance

- Since our awareness of COVID-19, the building maintenance staff has been committed to keeping the facility as sanitized as possible. Staff continues to wipe down all surfaces as well as sanitizing door handles throughout the plant to protect the staff and facility guests.
- Replaced segment panels on the Serpintex conveyor on the Belt Filter Press.
- Serviced roof top heating and ventilation system on the Belt Filter Press Building.
- The Front Street Pump Station is out of service. Bypass pumping is underway.
- Replaced ceiling tiles along west side of the second floor of office building at 3003 North Front Street.
- Installed/replaced lighting on second floor of office building at 3003 North Front Street.
- Installed new Evoqua primary chain, flights and gearboxes on Primary Clarifier #1.This is a two-month installation of a capital replacement project including five new drives per tank, new drive

shafts, sprockets, wear strips, rail guides and all metallic gears, conveyance chains and fiberglass flights. This upgrade entails the entire maintenance staff and laborers.
- Repaired bar-screen scraper and removed blockage from screen at the Spring Creek Pump Station.
- Performed 11 vehicular related repairs.

Field Construction

- Excavated and replaced failing Stormwater Inlet (SWINLT) and 3 feet of 10-inch clay pipe with SDR on Dean Street.
- Repaired and retrofitted three SWINLT's with C-type precast inlet tops on Schuylkill and Front Streets.
- Excavated and replaced damaged manhole casing on Cameron Street.
- Performed emergency excavation on an 8-inch clay Sanitary Sewer Pipe (SSP) that was struck by a contractor at 20th and Boas Streets. CRW had no record of the SSP on GIS. Replaced 4 feet of clay with SDR.
- Milled and recessed street plates that will not be repaired before the winter season.
- Excavated and lowered manhole at Susquehanna and Emerald Streets.
- Excavated and replaced damaged manhole at Susquehanna and Herr Streets.
- Rogele completed an IDIQ replacement of 336 feet SSP on Muench Street between Green and Third Streets. The existing 30-inch brick sewer main was in failing condition and the cause of several sinkholes. Two new manholes were replaced along with six storm water inlets and stormwater pipes.
- Retrofitted failing curb/sidewalk inlet at Green and Reily Streets with modern style grate and top.
- Repaired 17 stormwater inlets at various locations.
- CReW spent considerable time cleaning and sanitizing vehicles, shared equipment and preparing the rental fleet of cars for return.
- Monitored street plates on a weekly basis.

Field Operations

- A total of 1,971 feet (0.37 miles) of sewer pipe were assessed by CCTV footage throughout the month. Footage was low due to three days of heavy cleaning on Walnut Street and CCTV work on Third Street GSI structures. Currently there was no contracted footage. Not all contracted work orders were completed at the time of reporting.
- A total of 1,452 feet (0.28 miles) of pipe were flushed during the month by CRW while contracted work was not performed.
- Responded to one backup and overflow call. CRW was liable for none.

- Cleaned 49 inlets and two inlets at green stormwater infrastructure sites. Completed 37 inlet inspections.
- There were no dry weather overflows reported this month.

Environmental Compliance

- Completed 21 inspections of FOG dischargers. Spent time educating each 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.
- Issued 15 letters of non-compliance. Fifteen locations had not yet applied for a FOG discharge permit and three locations did not have proper grease control equipment installed.
- Issued 13 FOG discharge permits to locations that submitted permit requests and paid application fee.
- No investigations were conducted during the month of November.

Street Sweeping

- Participated in conference call on November 5 with City of Harrisburg.
- Spoke with three residents in Bellevue Park regarding leaf pick-up.
- Continued to train three new employees on operation of sweepers, schedules and routes.
- Swept approximately 412 miles apart from parking and construction on streets.
- Completed 500 hrs. on service on all three sweepers.
- Repairs and maintenance for sweepers in November consisted of two conveyors replaced. Sweeper 1 - $3,339.97, sweeper 2 - $2,600.17 and sweeper 3 - $2,246.86 for total repair cost of $8,187.
- Handled nine complaints to satisfaction. The majority were issues regarding cars not moved and leaves.
- Street sweeping map is up and running.
- Worked with Steve Early and Liz Gonzales on identifying streets to distribute flyers to remind residents to move their cars for street sweeping.
- Communicated with Public Works concerning heavy leaf areas. Will continue through December weather permitting.

CAPITAL REGION™

WATER

Wastewater Exhibits

CAPITAL REGION WATER

EXHIBIT A

CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY

Process Control - 2020

Parameters	January	February	March	April	May	June	July	August	September	October	**November**	December	**Average**	**NPDES Limits**
Volume, MGD	21.8	21.8	22.9	23.2	23.3	19.0	15.0	16.6	14.6	14.8	**15.2**		18.9	37.7
Carbonaceous Biochemical Oxygen Demand														
Influent, mg/L	126	133	122	106	109	130	208	217	245	229	**231**		169	-----
Effluent, mg/L	4	3	3	3	3	3	3	3	3	3	**3**		3	25
Percent Removal, %	96.8	97.3	97.1	96.5	96.0	97.4	98.5	98.1	98.6	98.6	**98.6**		97.6	-----
Effluent Loading, lb/d	689	533	619	705	733	515	379	481	391	248	**331**		511	7,860
Suspended Solids:														
Influent, mg/L	142	188	147	140	154	188	255	296	336	311	**281**		222	-----
Effluent, mg/L	3	3	3	3	3	3	4	4	5	5	**5**		4	30
Percent Removal, %	97.6	97.8	98.1	97.8	97.4	98.2	98.5	98.6	98.4	98.3	**98.1**		98.1	-----
Effluent Loading, lb/d	584	684	550	634	859	452	446	557	595	759	**711**		621	9,433
Nitrogen														
Total-N														
Influent, mg/L	25	24	22	18	21	25	31	31	37	33	**30**		27	-----
Effluent, mg/L	9.2	8.3	8	8.2	7.6	6.8	6.0	5.1	6.9	6.3	**8.3**		7	Monitor
Percent Removal, %	63.1	64.7	65	53.9	63.1	72.8	80.6	83.4	81.3	81.1	**72.5**		71.0	-----
Effluent Loading, lb/d	1,570	1,366	1605	1,483	1,254	1,007	748	740	888	719	**941**		1,120	-----
NH3-N														
Influent mg/L	13	13	11	12	12	12	18	17	22	18	**21**		15	-----
Effluent, mg/L	2.6	1.0	0.7	0.9	0.4	0.2	1.0	0.6	0.6	0.5	**0.6**		1	11 (2)
Percent Removal, %	79.4	92.4	93.8	92.4	96.7	98.3	94.4	96.5	97.3	97.2	**97.1**		94.1	-----
Effluent Loading, lb/d	475	191	147	177	73	40	124	89	68	69	**73**		139	4,716
Phosphorus:														
Influent, mg/L	3.1	3.5	3.0	2.6	2.9	3.4	5.2	4.9	7.4	5.2	**5.3**		4.2	-----
Effluent, mg/L	1.5	1.3	1.4	1.2	1.3	1.6	1.7	1.6	1.7	1.6	**1.5**		1.5	2.0
Percent Removal, %	51.4	58.6	48.3	54.8	54.4	48.9	63.9	67.2	74.3	68.5	**71.1**		60.1	-----
Effluent Loading, lb/d	256	239	261	222	227	259	208	212	197	189	**188**		223	629
pH:														
Influent, Std. Units	7.3	7.3	7.4	7.4	7.4	7.3	7.3	7.2	7.3	7.3	**7.4**		7.3	-----
Effluent, Std. Units	7.1	7.0	7.0	7.1	7.1	7.0	7.1	7.0	7.2	7.1	**7.1**		7.1	6.0 - 9.0
Dissolved Oxygen:														
Effluent Minimum, mg/L	8.4	7.9	4.9	7.6	7.2	6.9	6.6	6.6	6.6	7.2	**7.2**		7.0	5.0 Min.
Fecal Coliform:														
Effluent, No./100 ml	15	4	2	2	2	2	1	4	2	7	**23**		6	200/100 ml (1)
Chlorine Residual:	0.18	0.22	0.20	0.19	0.42	0.42	0.41	0.42	0.41	0.20	**0.18**		0.30	0.50
Effluent, mg/L														

(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.

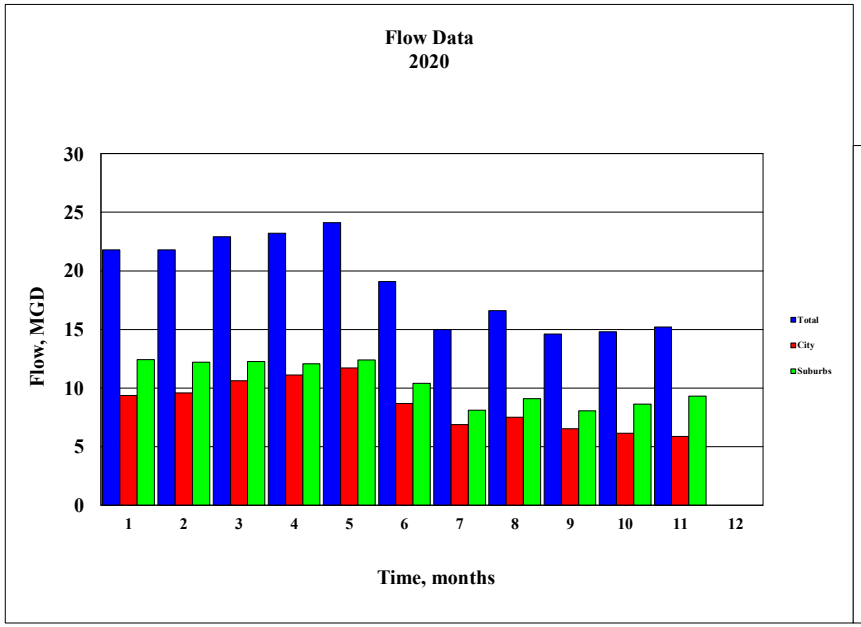
CAPITAL REGION WATER

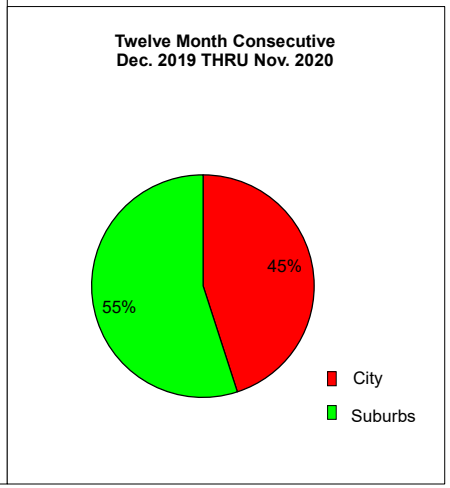
EXHIBIT B

CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY

Flow Monitoring Information, MGD - 2020

	Total			City Regions					Suburb Regions					Total Precip
Month	Flow	City	Suburbs	1	2	3	4	5	6	7	8	9	10	inches
January	21.800	9.366	12.434	7.938	0.193	0.300	0.728	0.207	1.300	4.565	2.218	4.094	0.257	2.560
February	21.800	9.583	12.217	8.259	0.164	0.300	0.707	0.153	1.400	4.340	1.892	4.312	0.273	2.570
March	22.900	10.630	12.270	8.793	0.170	0.300	1.172	0.195	1.400	4.133	1.953	4.508	0.276	3.460
April	23.200	11.128	12.072	9.110	0.173	0.300	1.357	0.188	1.600	3.855	1.994	4.338	0.285	4.530
May	24.100	11.711	12.389	9.171	0.170	0.300	1.780	0.290	1.600	4.030	1.950	4.378	0.431	2.270
June	19.100	8.682	10.418	6.930	0.149	0.300	1.154	0.149	1.400	3.597	1.710	3.462	0.249	3.850
July	15.000	6.887	8.113	5.322	0.110	0.300	1.019	0.136	1.200	2.745	1.267	2.670	0.231	0.870
August	16.600	7.496	9.104	6.107	0.119	0.300	0.776	0.194	1.200	3.230	1.371	3.084	0.219	3.770
September	14.600	6.534	8.066	5.146	0.106	0.300	0.805	0.177	1.200	2.818	1.213	2.628	0.207	1.640
October	14.800	6.166	8.634	5.121	0.119	0.300	0.411	0.215	1.200	3.174	1.373	2.682	0.205	3.020
November	**15.200**	**5.871**	**9.329**	**4.872**	**0.120**	**0.300**	**0.408**	**0.171**	**1.200**	**3.421**	**1.383**	**3.073**	**0.252**	**2.230**
December														
Average	19.01	8.55	10.46											2.80
Percent	100.00	44.98	55.02											30.77





CAPITAL REGION WATER

EXHIBIT C

CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY

Treatment Utility and Chemical Usage - 2020

Utility / Chemical	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Electric														
Total, kwH	1,051,500	1,044,300	989,400	979,800	1,074,600	932,700	915,600	985,500	882,000	982,800	**916,200**		977,673	10,754,400
Average, kwH/Day	33,919	36,010	31,916	32,660	34,665	31,090	29,535	31,790	29,400	31,703	**30,540**		32,112	-------
Cost, Dollars	$54,360.37	$53,591.92	$51,277.78	$50,411.37	$55,164.67	$49,794.35	$49,912.04	$52,972.01	$49,090.44	$52,781.70	**$49,001.35**		$51,668.91	$568,358.00
Natural Gas														
Total, Cu Ft	829.7	718.8	331.5	179.0	19.0	0.0	0.0	0.0	0.0	*	*		189	2,078
Average, Cu Ft/Day	27	25	11	6	1	0	0	0	0	*	*		8	-------
Cost, Dollars	$7,409.13	$6,428.30	$3,024.52	$1,684.70	$278.98	$112.05	$113.17	$112.05	$111.95	*	*		$1,752.26	$19,274.85
Water														
Total, Gal.	674,000	677,000	1,175,000	554,000	733,000	877,000	820,000	704,000	1,070,000	807,000	*		809,100	8,091,000
Average, Gal./Day	21,742	23,345	37,903	18,467	23,645	29,233	26,452	22,710	34,516	26,900	*		26,491	-------
Cost, Dollars	$9,813.16	$9,842.68	$14,743.00	$8,632.36	$10,393.72	$11,810.68	$11,249.80	$10,108.36	$13,709.80	$11,121.88	*		$10,129.59	$111,425.44
MicroC														
Total, Gal.	7,186	6,772	2,715	3,348	3,902	1,259	0	0	0	0	**0**		2,289	25,182
Average, Gal./Day	231.8	234	88	111.6	125.9	42.0	0.0	0.0	0.0	0.0	**0.0**		76	-------
Cost, Dollars	$13,941	$13,138	$5,267	$6,495	$7,570	$2,442	$0	$0	$0	$0	**$0**		$4,441.19	$48,853.08
Sodium Hydroxide														
Total, Gal.	0	0	0	0	0	0	0	0	0	0	**0**		0	0
Average, Gal./Day	0	0	0	0	0	0	0	0	0	0	**0**		0	-------
Cost, Dollars	0	0	0	0	0	0	0	0	0	0	**0**		$0.00	$0.00
Chlorine Disinfection														
Total, Lbs.	11,070	10,270	6,928	6,366	10,680	9,080	7,205	8,970	6,860	6,024	**5,150**		8,055	88,603
Average, Lbs./Day	357	354	224	173	344	303	232	289	229	195	**172**		261	-------
Avg Residual, mg/L	0.18	0.22	0.20	0.19	0.42	0.42	0.41	0.42	0.41	0.20	**0.18**		0.30	-------
Cost, $/Lbs.	$0.31	$0.35	$0.35	$0.35	$0.35	$0.35	$0.35	$0.35	$0.35	$0.35	**$0.35**		$0.35	-------
Total Cost, Dollars	$3,431.70	$3,594.50	$2,424.80	$2,228.10	$3,738.00	$3,178.00	$2,521.75	$3,139.50	$2,401.00	$2,108.40	**$1,802.50**		$2,778.93	$30,568.25
Phosphorous Removal														
Total FeCl3, Gals.	671	1,488	1,359	1,935	1,565	2,124	7,783	5,624	6,398	6,295	**3,629**		3,534	38,872
Avg FeCl3, Gals./Day	22	51	44	65	50	71	251	181	213	203	**121**		116	-------
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	-------
FeCl3 Total Cost, Dollars	$845.46	$1,874.88	$1,712.34	$2,438.10	$1,971.90	$2,676.24	$9,806.58	$7,086.24	$8,061.48	$7,931.70	**$4,572.54**		$4,452.50	$48,977.46

*** No data at time of report**

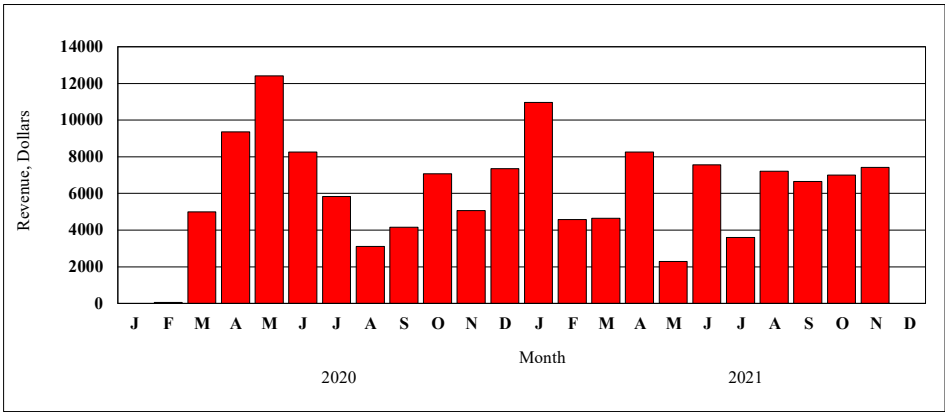
CAPITAL REGION WATER

EXHIBIT D

CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY

Cogeneration Electrical Production: 2019-2020

Period	Percent Run Time	Daily Avg Kilowatt	Kilowatt Hours Produced	Estimated Revenue
January 2019	0	0	0	$0.00
February 2019	2	32	900	$69.33
March 2019	29	2,090	64,800	$4,991.54
April 2019	70	4,050	121,500	$9,359.15
May 2019	107	5,197	161,100	$12,409.53
June 2019	79	3,570	107,100	$8,249.91
July 2019	60	2,439	75,600	$5,823.47
August 2019	30	1,306	40,500	$3,119.72
September 2019	42	1,800	54,000	$4,159.62
October 2019	62	2,961	91,800	$7,071.35
November 2019	52	2,190	65,700	$5,060.87
December 2019	59	3,077	95,400	$7,348.66
Total - 2019			878,400	$67,663.15
Monthly Average - 2019	49	2,393	73,200	$5,638.60
January 2020	72	4,587	142,200	$10,953.67
February 2020	32	2,048	59,400	$4,575.58
March 2020	38	1,945	60,300	$4,644.91
April 2020	67	3,570	107,100	$8,249.91
May 2020	24	958	29,700	$2,287.79
June 2020	54	3,270	98,100	$7,556.64
July 2020	26	1,510	46,800	$3,605.00
August 2020	53	3,019	93,600	$7,210.01
September 2020	50	2,880	86,400	$6,655.39
October 2020	59	2,932	90,900	$7,002.03
November 2020	**68**	**3,210**	**96,300**	**$7,417.99**
December 2020				
Total - 2020			910,800	$70,158.92
Monthly Average - 2020	49	2,721	82,800	$6,378.08



CAPITAL REGION WATER

EXHIBIT E

CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY

Sludge Handling Information - 2020

Process	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Solids Removal														
Process, Lbs.	786,464	754,813	858,688	721,453	934,281	623,368	426,967	428,759	368,422	427,761	**487,967**		619,904	6,818,944
CWH Program, Lbs.	184,913	218,615	183,161	115,407	83,216	122,169	88,453	57,321	218,097	68,786	**90,812**		130,086	1,430,950
Total Solids, Lbs.	971,376	973,428	1,041,849	836,861	1,017,497	745,538	515,420	486,080	586,519	496,547	**578,779**		749,990	8,249,895
Sludge Dewatering														
Feed Volume, Gals.	3,237,000	2,605,000	4,496,000	3,111,000	3,353,000	3,108,000	2,138,000	438,800	3,834,000	3,906,000	**3,522,000**		3,068,073	33,748,800
Feed Solids, %	1.8	1.9	1.6	1.9	1.8	1.7	1.9	1.8	1.8	1.9	**1.9**		1.8	-
Labor, Hours	518	464	599	534	499	481	414	541	512	551	**561**		516	5,673
Operations, Hours	890	707	1,130	881	935	919	607	988	976	1,021	**943**		909	9,997
Total Cake, Dry Tons	198	166	259	201	188	184	124	208	222	222	**168**		195	2,140
Total Cake, Wet Tons	1,169	992	1,546	1,196	109	1,014	689	1,164	1,244	1,278	**956**		1,032	11,357
Cake TS, %	17.0	16.8	17.6	16.7	17.2	18.2	18.0	17.9	17.7	17.3	**17.5**		17.5	-
Press Rate, Lbs./Hour	2,628	2,807	2,737	2,716	234	2,208	2,269	2,355	2,548	2,503	**2,027**		2,276	25,033
Polymer Dosage, Lbs	4,167	3,317	5,045	3,920	3,838	3,720	2,248	3,345	3,591	3,591	**2,988**		3,615	39,770
Polymer Dosage, Lbs/Dry Ton	21.8	20.0	19.7	20.4	20.9	21.3	20.8	15.9	19.1	18.4	**18.6**		19.7	-
Disposal Cost														
Labor, Dollars	$9,948.27	$8,910.39	$11,518.55	$10,253.87	$9,590.78	$9,248.66	$7,951.31	$10,405.71	$9,836.80	$10,584.45	**$10,788.19**		$9,912.45	$109,036.98
Electrical,Dollars	$391.47	$310.99	$496.98	$387.51	$411.44	$404.14	$267.21	$434.90	$429.62	$449.28	**$415.05**		$399.87	$4,398.59
Polymer, Dollars	$8,000.64	$6,368.64	$9,686.40	$7,526.40	$7,368.96	$7,142.40	$4,316.16	$6,422.40	$6,894.72	$6,894.72	**$5,736.96**		$6,941.67	$76,358.40
Disposal, Dollars	$110,766.52	$14,700.58	$40,464.10	$54,699.53	$18,043.98	$29,885.79	$39,096.86	$38,728.70	$34,075.18	$34,014.40	**$43,545.77**		$41,638.31	$458,021.41
Total Cost, Dollars	$129,106.90	$30,290.60	$62,166.03	$72,867.31	$35,415.16	$46,680.99	$51,631.55	$55,991.70	$51,236.31	$51,942.86	**$60,485.97**		$58,892.31	$647,815.38
Cost Per Dry Ton, Dollars	$652.06	$182.47	$240.02	$362.52	$188.38	$253.70	$416.38	$269.19	$230.79	$233.98	**$360.04**		$308.14	

CAPITAL REGION WATER

EXHIBIT F

CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY

Conveyance Utility Usage - 2020

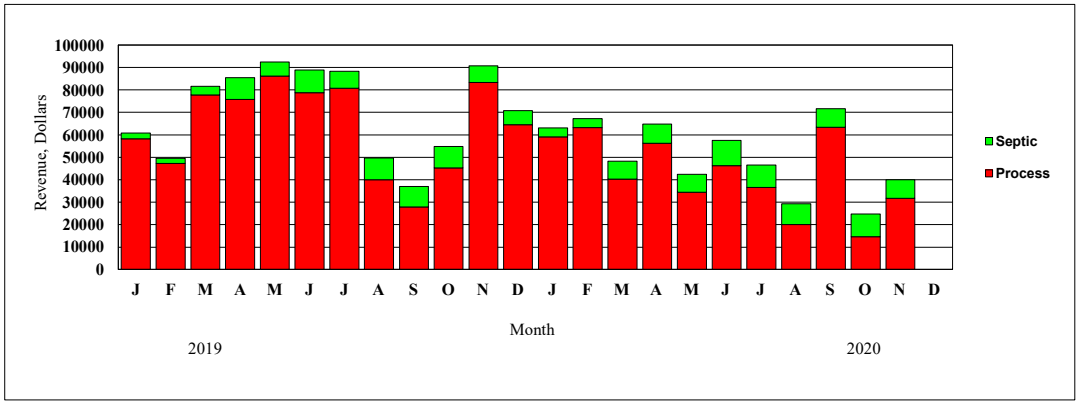
Location / Utility	January	February	March	April	May	June	July	August	September	October	November	December	Average	Total
Front Street Pump Station														
Electric														
Total, kwH	109,200	112,200	100,200	123,000	123,600	93,600	75,000	69,600	72,600	15,000	*		89,400	894,000
Average, kwH/Day	3,523	3,869	3,232	4,100	3,987	3,120	2,419	2,245	2,420	484	*		2,940	-----
Cost, Dollars	$6,506.78	$6,556.99	$6,311.88	$6,578.76	$6,597.63	$6,330.34	$5,466.21	$5,049.32	$5,921.48	$3,812.25	*		$5,913.16	$59,131.64
Fuel Oil														
Total, Gals.	0	0	0	0	0	0	0	0	0	0	**0**		0	0
Average, Gals./Day	0	0	0	0	0	0	0	0	0	0	**0**		0	-----
Cost, Dollars	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$0.00**		0	$0.00
Water														
Total, Gals.	135,000	115,000	130,000	95,000	120,000	90,000	65,000	55,000	60,000	5,000	*		87,000	870,000
Average, Gal./Day	4,355	3,966	4,194	3,167	3,871	3,000	2,097	1,774	2,000	161	*		2,858	-----
Cost, Dollars	$1,991.37	$1,794.57	$1,942.17	$1,597.77	$1,843.77	$1,548.57	$1,302.57	$1,204.17	$1,253.37	$712.17	*		$1,519.05	$15,190.50
Spring Creek Pump Station														
Electric														
Total, kwH	49,280	46,720	36,800	41,920	56,960	40,000	41,600	41,280	30,720	30,400	**41,920**		41,600	457,600
Average, kwH/Day	1,590	1,611	1,187	1,397	1,837	1,333	1,342	1,332	1,024	981	**1,352**		1,362	-----
Cost, Dollars	$3,089.61	$3,530.88	$2,418.98	$2,912.98	$3,686.94	$2,871.77	$3,006.80	$2,852.50	$2,634.50	$2,325.83	**$3,386.10**		$2,974.26	$32,716.89
Fuel Oil														
Total, Gals.	0	0	0	0	0	0	0	0	0	0	**0**		0	0
Average, Gals./Day	0	0	0	0	0	0	0	0	0	0	**0**		0	-----
Cost, Dollars	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$0.00**		$0.00	$0.00
Water														
Total, Gals.	490	485,510	184,000	102,000	102,000	219,000	281,000	74,208	238,792	51,000	*		173,800	1,738,000
Average, Gal./Day	16	16,742	5,935	3,400	3,290	7,300	9,065	2,394	7,960	1,645	*		5,775	-----
Cost, Dollars	$77.15	$4,849.75	$1,882.89	$1,076.01	$1,076.01	$2,227.29	$2,837.37	$802.54	$2,422.04	$574.17	*		$1,782.52	$17,825.22
Market Street Pump Station														
Electric														
Total, kwH	7,320	6,840	7,440	6,840	1,320	600	720	600	720	480	**2,280**		3,196	35,160
Average, kwH/Day	236	236	240	228	43	20	23	19	24	15	**76**		106	-----
Cost,Dollars	$445.90	$427.31	$442.74	$381.65	$272.46	$236.27	$240.49	$187.52	$205.05	$215.56	**$270.68**		$302.33	$3,325.63
Fuel Oil														
Total, Gals.	0	0	0	0	0	0	0	0	0	0	**0**		0	0
Average, Gals./Day	0	0	0	0	0	0	0	0	0	0	**0**		0	-----
Cost, Dollars	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	**$0.00**		$0.00	$0.00
City Island Pump Station														
Electric														
Total, kwH	240	240	200	160	80	160	0	120	160	160	**120**		149	1,640
Average, kwH/Day	8	8	6	5	3	5	0	4	5	5	**4**		5	-----
Cost, Dollars	$84.96	$8.61	$84.68	$81.24	$80.84	$82.70	$164.81	$114.48	$115.33	$74.56	**$75.47**		$87.97	$967.68

*** No Data at time of report**

CAPITAL REGION WATER

EXHIBIT G

CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY

Contract Waste Hauling Program 2019 - 2020

	Process		Septic			Total
Month	Gallons	Revenue	Gallons	Revenue	Gallons	Revenue
January	1,870,734	$58,200.31	76,194	$2,635.00	1,946,928	$60,835.31
February	1,652,484	$47,296.19	61,450	$2,194.20	1,713,934	$49,490.39
March	2,638,668	$77,849.31	106,300	$3,763.80	2,744,968	$81,613.11
April	2,682,379	$75,853.22	268,061	$9,571.00	2,950,440	$85,424.22
May	3,043,986	$86,173.72	260,750	$6,234.00	3,304,736	$95,407.72
June	2,720,047	$78,840.38	284,800	$10,033.20	3,004,847	$88,873.58
July	2,853,248	$80,870.80	212,100	$7,455.60	3,065,348	$88,326.40
August	1,322,313	$40,005.18	283,250	$9,716.40	1,605,563	$49,721.58
September	960,300	$27,800.77	256,900	$9,176.40	1,217,200	$36,977.17
October	1,569,294	$45,330.95	264,100	$9,435.60	1,833,394	$54,766.55
November	2,917,319	$83,372.02	207,150	$7,385.40	3,124,469	$90,757.42
December	2,156,730	$64,568.53	175,350	$6,231.60	2,332,080	$70,800.13
Total - 2019	26,387,502	$766,161.38	2,456,406	$83,832.20	28,843,907	$852,993.58
Monthly Average - 2019	2,198,959	$63,846.78	204,700	$6,986.02	2,403,659	$71,082.80
January	2,085,917	$59,051.97	118,100	$4,010.40	2,204,017	$63,062.37
February	2,114,160	$63,265.86	108,750	$3,864.60	2,222,910	$67,130.46
March	1,249,201	$40,292.49	225,450	$7,990.20	1,474,651	$48,282.69
April	1,991,755	$56,319.89	235,800	$8,389.80	2,227,555	$64,709.69
May	1,147,302	$34,396.98	222,950	$8,026.20	1,374,252	$42,495.18
June	1,584,771	$46,218.55	315,600	$11,271.60	1,900,371	$57,490.15
July	1,238,019	$36,620.08	276,950	$9,835.20	1,514,696	$46,455.28
August	665,062	$20,073.48	258,800	$9,226.80	923,862	$29,300.28
September	1,643,428	$63,395.23	231,700	$8,229.60	1,875,128	$71,624.83
October	419,464	$14,581.74	284,600	$10,191.60	704,064	$24,773.34
November	**1,083,920**	**$31,711.13**	**231,800**	**$8,272.80**	**1,315,720**	**$39,983.93**
December						
Total - 2020	15,222,999	$465,927.40	2,510,500	$89,308.80	17,737,226	$555,308.20
Monthly Average - 2020	1,383,909	$42,357.04	228,227	$8,118.98	1,612,475	$50,482.56