

| | |
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| Ensure Financial Stability | |
| Reconciled Bank Account Balances | Refer to attached Reconciled Bank Account Balances as of 7/31/2022. |
| 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 9 water shut-offs for non-payment, 7 were turned back on after payment, and 14 service shut-off requests. |
| Repair/Replace Meters/MXUs/Batteries | Drinking Water Distribution staff replaced 18 water meters, replaced 31 batteries, and 61 MXUs. |
| Reduce Wet Weather Impacts to Infrastructure, Community, and Receiving Waters | |
| Negotiate with PADEP/U.S. EPA/DOJ on Past and Future Practices | CRW and USDOJ/U.S. EPA/PADEP are finalizing the Draft Partial Consent Decree Modification for public comment. |
| Develop Necessary Planning for Implementation of Green Infrastructure | No Update. |
| 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. AWTF met all required NPDES monthly permit parameters in July. One Dry Weather Overflow was reported. Details are contained in the Wastewater Department Monthly Report for July. |
| Notice of Violations (NOVs) | There were no NOVs received by the Drinking Water department in July. There were no NOVs received by the Wastewater department in July. |
| Preventative Maintenance | The Drinking Water Maintenance group conducted all scheduled preventative maintenance for the month to the water treatment plant equipment. Specific facility maintenance activities are outlined within the Drinking Water Department Monthly Report for July. The Wastewater department completed all regularly scheduled preventative maintenance in the month of July. |
| CCTV | A total of 10,762.37 feet (2.04 miles) of sewer pipes were assessed by CCTV footage during the month of July. A total of 9,342.3 feet (1.77 miles) of pipe were flushed as well. |
| Incident Response | Wastewater responded to four backup and overflow calls from residents during the month of July. CRW was liable for none. |

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| Geographic Information System (GIS) | <ul style="list-style-type: none"> Forty-four (44) Pennsylvania One Call tickets were completed by GIS. Thirty-three (33) tickets required a map, and eleven (11) had no CRW utilities in the request area. GIS staff gave a presentation on the creation of the CRW GeoHUB at the 2022 ESRI Water User Group Meeting in Malvern, PA. |
| Cityworks | [REDACTED] |
| Asset Management | Task Order 2022-04-01 AM Roadmap Quick Win Activities are scheduled for completion in September. The Organizational Framework Roadmap Implementation Group (OF RIG) is conducting a final review of the draft Strategic Asset Management Plan (SAMP), anticipated delivery of final is 8/26/2022. Prepared Task Order 2022-17-01 AM Roadmap FY 22 Phase 1 Activities for August Board agenda. The risk framework developed for [REDACTED] was reviewed by the Engineering department and has been transferred to CRW's Impact Assessment Planning (IAP) environment. A meeting is scheduled for 8/16/2022 to finalize the sites for the 2022 Water Distribution Condition Assessment project. Required rework has begun for the Front Street Pump Station inventory pilot. |
| Development Review Summary | For details, see attached Development Stormwater Management Review Summary spreadsheet for August. |

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

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|---------------------------------------|---|
| Professional & Contractor Services | <p>Recommend Board approval of the following Task Orders, Change Orders, Agreements and Procurement:</p> <p>Drinking Water: Task Order 2022-17-01: Engineering Services for AM Roadmap FY22 Phase 1 Activities [REDACTED] Procurement of large Sensus meters [REDACTED] Procurement of Rotork IQ-19 Remote Hand Stations [REDACTED] Procurement of Zinc Ortho [REDACTED]</p> <p>Wastewater: Resolution No. 2022-043 - Approves execution of the Partial Consent Decree Professional Services Agreement for Gauge Adjusted Radar Rainfall (GARR) [REDACTED] Task Order 2022-01-02: Engineering Services for IDIQ Construction Management [REDACTED] Change Order No. 4 - 2021 Sewer System Improvements Project [REDACTED] Procurement of Gorman-Rupp Horizontal Centrifugal Sewage Pump [REDACTED] Procurement of Roof Replacement for the Spring Creek Pump Station [REDACTED] Procurement of Hoffman & Lamson Blower Assemblies [REDACTED]</p> <p>Stormwater: Resolution No. 2022-016 Joint Pollutant Reduction Plan - Intergovernmental Cooperation Agreement - Task Order 2022-01 - Contribution to PennDOT Phase 4 PENNVEST SW Pro-Fi Project - Recommendation to reject bids</p> |
| Stormwater O&M Agreements | <p>Recommend Board approval of the following:</p> <p>Resolution No. 2022-017 Operations & Maintenance Agreement for Stormwater Facilities [REDACTED] Resolution No. 2022-042 Operations & Maintenance Agreement for Stormwater Facilities [REDACTED]</p> |
| AWTF Primary Digesters Rehabilitation | Testing of Digester No. 1 began the week of 7/11/2022. |
| AWTF Energy Recovery Improvements | Permit applications are being reviewed by Swatara Township and PADEP. |

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| Front Street Pumping Station Improvements | The contractors are addressing punch list items and site cleanup. |
| WSC Flocculator Equipment Replacement | Delivery of flocculator equipment is expected in October 2022. |

Undertake Renewal and Replacement Projects

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| 2020 Sewer System Improvements | Punch list items and final paving has been complete. Contract closeout is anticipated in September. |
| 2021 Sewer System Improvements | The contract was terminated on 5/25/2022. Refer to the agenda for the final change order. |
| 2021 Water System Improvements | The contractor has scheduled the remaining work at the Sixth and Wallace Street location and is performing final paving. |
| 2022 Water System Improvements | The preconstruction meeting was held on 7/26/2022. The contractor is providing submittals for review. |
| Cameron Street Water Main - Phase 3 | Work is complete. The remaining punch list item is delivery of hydrants which will ship in October. |
| Arsenal Boulevard Sewer Improvements | Temporary and construction easements must be acquired before advertising the project. |
| Front Street Interceptor Rehabilitation - Phase 2 | The preconstruction meeting was held on 8/11/2022. The contractor will submit a construction schedule by the end of August. |
| 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 July. A narrative is provided in the Wastewater Department Monthly Report. |
| Sinkhole Program | Eleven (11) sinkholes were investigated by CRW in the month of July. Four were due to failure of Wastewater assets and one due to Water assets. |
| Inlet Cleaning | A total of 203 stormwater inlets were cleaned during the month of July and 188 stormwater inlet inspections were performed. |

Operate as an Efficient, Sustainable and Resilient Water Utility

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|-----------------------------|--|
| DeHart Property Stewardship | Timber harvest to improve regeneration is complete in Management Unit (MU) 22/31. In accordance with the DeHart Property Forest Management Plan, a regeneration harvest has commenced in MUs 20, 34, 36, and 37 (approximately 155 acres). Harvest will improve forest health and release regeneration of a more desirable understory. |
| Sustainability | Preliminary site visit hosted on 7/28/2022 to review solar project potential at the Dr. Robert E. Young Water Services Center. |
| Internal Communications | The Intranet site and calendar continue to be utilized. |

Inform and Listen to Customers and Encourage Stewardship of our Systems

| | |
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| Media Relations - Press and Social Media | <p>PRESS RELEASES: N/A.</p> <p>SOCIAL MEDIA TOPICS:</p> <p>Facebook: 5 New Organic Followers (1,583 Total). 3 Posts; Highest Engaged Post: (7/15/2022). "We're Hiring." (974 Reach, 14 Reactions, 4 Comments, 13 Shares, 8 Link Clicks); Other topics: 4th of July office closed, July BOD meeting cancelled.</p> <p>Twitter: 0 Tweets; Highest Engaged Tweet: n/a Month overview: 825 Profile Visits; 2 New Followers; 1 Mentions.</p> <p>Instagram: 3 New followers (661 Total), 11 Posts; Highest Engaged Post: Highest Engaged Post: (7/26/2022) "BOD meeting cancelled" 79 Organic Reach, 3 likes, 1 comment.</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> |
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|------------------------|---|
| | <p>2022 Recertification of CRW's Real Estate Tax Exemption Status with the Dauphin County Office of Tax Assessment:</p> <p>On 6/17/2022 CRW filed multiple Applications with the Dauphin County Office of Tax Assessments for 32 properties identified on Dauphin County's new tax portal for 2022 recertification of CRW's tax exemption status. All properties were subject to exemption status being impacted if applications with proper documentation were not filed electronically on Dauphin County's new tax portal. Tax Exemption Recertification Applications were due on 7/4/2022. CRW received notification from the Dauphin County Exemption Review Team via email on 8/9/2022 that all CRW's Applications were approved by the Dauphin County Board of Assessment Appeals for the following properties:</p> <ol style="list-style-type: none"> Property ID Number [REDACTED] - Site Address: ROUTE 325 (1 tax parcel - Property on Route 325 - DeHart). Property ID Number [REDACTED] - Site Address: 3015 N FRONT STREET (26 tax parcels - includes multiple properties, 3015 N Front Street, 3003 North Front Street, Multiple Properties on Route 325, South of Route 325, North of Route 325 and Clarks Valley Road). Property ID Number [REDACTED] - Site Address: 1662 S CAMERON STREET (1 tax parcel - Wastewater Treatment Facility). Property ID Number [REDACTED] - Site Address: 830 S FRONT STREET (1 tax parcel - Front Street Pump Station - Wastewater). Property ID Number [REDACTED] - Site Address: 1081 ELLIOT STREET (1 tax parcel - Wastewater Treatment Facility). Property ID Number [REDACTED] - Site Address: 1412 S CAMERON STREET (1 tax parcel - Wastewater Treatment Facility). Property ID Number [REDACTED] - Site Address: N HERR STREET (1 tax parcel - Drinking Water Facility). |
| Right-to-Know Requests | <p>CRW has received and responded to three Right-to-Know requests during the period 7/21/2022 through 8/17/2022. Other informational requests were identified as not being formal RTK requests throughout the month and/or were transferred to the Customer Service Center for appropriate response.</p> <p>OOB Training:</p> <p>The Open-Records Officer participated in the following webinars conducted by the Office of Open Records (OOR) during the past month:</p> <ul style="list-style-type: none"> 8/03/2022 - Basics of the Sunshine Act (recent amendment to Senate Bill 554 regarding local municipalities to post agendas no later than 24 hours before the start of a public meeting). <p>New E-File Appeal Portal to be used by OOR: Effective 8/1/2022 the OOR advised that all appeals involving Commonwealth agencies under the Governor's jurisdiction, with a few exceptions, will be processed through the E-file Appeal Portal. Phase 1: This is the first of three phases as the OOR moves ALL appeals to this new system. The OOR E-File Appeal Portal User Guide can be found on the OOR's website. Phase 2: Currently scheduled to begin in October 2022, local agencies will be chosen at random though a yet to be established interval, i.e. every third appeal received. In this phase, the OOR will not seek permission from the parties prior to assigning the appeal to the E-File Appeal Portal. Advanced notice of Phase 2's start date will be widely publicized and is likely to come in mid-September. Phase 3: The final phase will consist of a firm date when all appeals will be assigned and processed through the E-File Appeal Portal, subject to limited exceptions such as, individuals without email access. The beginning date is anticipated to be the spring of 2023. A firm date for Phase 3 will be provided in early 2023.</p> <p>2022-010 - Bret P. Shaffer, Esq. (Schiffman Sheridan & Brown, P.C.) Any bill/statement prepared/sent for services of CRW for/to any properties on the following segments of North 3rd Street, Harrisburg: between and including 1600 through 1646 North 3rd Street on the riverside (west) of North 3rd Street, and between and including 1601 through 1639 North 3rd on the opposite side (east) of North 3rd Street. Response due: 7/05/2022. Response provided: 6/29/2022 for 30-day extension until 8/4/2022. Final Response provided: 7/29/2022.</p> <p>2022-011 - Brianna Dinmore (Conrad O'Brien PC) [REDACTED] [REDACTED] Response due: 7/25/2022. Response provided: 7/22/2022 for 30-day extension until 8/24/2022. Final Response pending.</p> <p>2022-012 - David Cox (Firmographs LLC) Any long term planning list of bids, if such a list is maintained. Response due: 8/5/2022. Response provided: 8/03/2022.</p> |



CAPITAL REGION[™]

WATER

DRINKING WATER DEPARTMENT MONTHLY REPORT



Finished and raw water pumps at WSC.

July 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 July. Specific water quality results are summarized in Exhibit A. A total of 251.09 MG, averaging 8.09 MGD was withdrawn from the water supply source for treatment. As shown in Exhibit B, a total of 248.66 MG, averaging 8.02 MGD, of finished drinking water was pumped to the distribution system.

The DeHart water source was in service 31 days. The Susquehanna River water source was not in service. The DeHart Watershed had below average rainfall in July (Exhibit C) and the DeHart reservoir water level decreased (Exhibit D). An estimated 277.37 MG of water was released from DeHart reservoir to Clark Creek, averaging 8.95 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 installation of four new alum pumps has begun, there will also be four new variable frequency drives for flow control of the pumps, new piping and valving, and programming of the processor to integrate the new system into the SCADA. Once the system has been tested, we will receive the new operations permit for the alum system and place the system online.

Plant Maintenance

The Maintenance team performed approximately 44 preventative maintenance work orders and one corrective maintenance work order for the month of July 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 repaired 406 backwash valve actuators in the Filter building.
- The Maintenance team repaired all the pump suction/discharge fittings on the Fluoride Chemical System.
- The Maintenance team repaired the intake tower gates at the DeHart Dam facility.
- The Maintenance team continues to support the requests and work orders for the NFS offices.
- The Maintenance team continues to cut grass and perform other landscaping duties at the Water Services Center, Pump Houses, DeHart Dam Facility and NFS offices.
- The Maintenance team repaired the heaters at the Reservoir Park Pumping Station.
- The Maintenance team continues to maintain the distribution and maintenance fleet vehicles and equipment.

Distribution

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

- Repair six leaking services during the month totaling 412,704 gallons of unmetered water for the month of July.
- Repair six fire hydrants.
- Complete all hydrant flushing.
- Complete 463 work orders.
- Complete 490 water, sewer, and storm water locates.
- Start hydrant painting for 2022 with 143 hydrants painted in July.
- Start valve exercising with 24 valves being exercised in July.
- Continue leak detection daily.
- 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, E.coli, quarterly, and annual requirements.
- Continued collection of tri-annual lead and copper samples.



CAPITAL REGION™

WATER

Drinking Water Exhibits

EXHIBIT A Water Quality Analysis - 2022

| PARAMETERS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Average | MCL Limits |
|---|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|---------|------------|
| Total Coliform: Presence/Absence | | | | | | | | | | | | | | |
| Distribution System | A | 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 | | | | | | 1.95 | 0.2 - 4.0 |
| Distribution System | 1.27 | 1.35 | 1.32 | 1.30 | 1.18 | 1.17 | 1.09 | | | | | | 1.24 | <0.02 |
| Turbidity, NTU | | | | | | | | | | | | | | |
| Influent from DeHart | 0.57 | 0.55 | 0.61 | 0.72 | 0.67 | 0.69 | 0.70 | | | | | | 0.64 | NA |
| Influent from Susquehanna | NA | NA | NA | NA | NA | NA | NA | | | | | | NA | NA |
| Filter Plant Effluent | 0.04 | 0.03 | 0.04 | 0.03 | 0.03 | 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 | | | | | | 6.11 | NA |
| Influent from Susquehanna | NA | NA | NA | NA | NA | NA | NA | | | | | | NA | NA |
| Filter Plant Effluent | 7.4 | 7.5 | 7.5 | 7.6 | 7.6 | 7.6 | 7.4 | | | | | | 7.50 | 6.5 - 8.5* |
| Distribution System | 7.6 | 7.7 | 7.6 | 7.6 | 7.7 | 7.4 | 7.5 | | | | | | 7.59 | 6.5 - 8.5* |
| Total Alkalinity, mg/L as CaCO3 | | | | | | | | | | | | | | |
| Influent DeHart | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | | | | | 5.00 | NA |
| Influent from Susquehanna | NA | NA | NA | NA | NA | NA | NA | | | | | | NA | NA |
| Filter Plant Effluent | 13 | 18 | 16 | 15 | 17 | 19 | 21 | | | | | | 17.17 | <15* |
| Distribution System | 15 | 17 | 15 | 16 | 16 | 20 | 22 | | | | | | 17.26 | <15* |
| Temperature, degrees C | | | | | | | | | | | | | | |
| Influent from DeHart | 6.6 | 6.0 | 7.4 | 9.5 | 12.2 | 14.8 | 16.6 | | | | | | 10.44 | NA |
| Influent from Susquehanna | NA | NA | NA | NA | NA | NA | NA | | | | | | NA | NA |
| Filter Plant Effluent | 7.0 | 6.9 | 8.1 | 10.6 | 12.6 | 14.1 | 15.2 | | | | | | 8.15 | NA |
| Distribution System | 15.3 | 12.9 | 13.3 | 14.6 | 17.6 | 21.9 | 22.7 | | | | | | 14.03 | NA |
| Fluoride, mg/L | | | | | | | | | | | | | | |
| Filter Plant Effluent | 0.57 | 0.58 | 0.57 | 0.52 | 0.64 | 0.55 | 0.59 | | | | | | 0.56 | 2 |
| Aluminum, mg/L | | | | | | | | | | | | | | |
| Filter Plant Effluent | 0.10 | 0.22 | 0.23 | 0.03 | 0.03 | 0.03 | 0.02 | | | | | | 0.15 | 0.2* |
| Iron, mg/L | | | | | | | | | | | | | | |
| Influent from DeHart | 0.62 | 0.13 | 0.10 | 0.07 | 0.08 | 0.11 | 0.18 | | | | | | 0.23 | NA |
| Influent from Susquehanna | NA | NA | NA | NA | NA | NA | NA | | | | | | NA | NA |
| Filter Plant Effluent | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.03 | | | | | | 0.02 | 0.3* |
| Distribution System | 0.13 | 0.01 | 0.03 | 0.00 | 0.01 | 0.02 | 0.01 | | | | | | 0.03 | 0.3* |
| Total Dissolved Solids, mg/L | | | | | | | | | | | | | | |
| Influent from DeHart | 13 | 13 | 14 | 15 | 16 | 16 | 16 | | | | | | 14.95 | NA |
| Influent from Susquehanna | NA | NA | NA | NA | NA | NA | NA | | | | | | NA | NA |
| Filter Plant Effluent | 37 | 38 | 41 | 44 | 46 | 47 | 49 | | | | | | 42.97 | 500* |
| Distribution System | 39 | 40 | 38 | 45 | 46 | 49 | 51 | | | | | | 44.13 | 500* |
| Total Hardness, mg/L | | | | | | | | | | | | | | |
| Influent from DeHart | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | | | | | 8.00 | NA |
| Influent from Susquehanna | NA | NA | NA | NA | NA | NA | NA | | | | | | NA | NA |
| Filter Plant Effluent | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | | | | | 8.02 | NA |
| Distribution System | 8 | 7 | 7 | 6 | 5 | 7 | 6 | | | | | | 6.57 | NA |
| Orthophosphate, mg/L | | | | | | | | | | | | | | |
| Filter Plant Effluent | 1.20 | 1.15 | 1.40 | 1.16 | 1.36 | 1.32 | 1.37 | | | | | | 1.28 | 0.7 - 1.3* |
| Distribution System | 1.23 | 1.14 | NA | 1.18 | 1.31 | 1.33 | 1.30 | | | | | | 1.25 | 0.7 - 1.3* |
| **Total Trihalomethanes, ug/L | | | | | | | | | | | | | | |
| Distribution System | 35.0 | NA | NA | 41.0 | NA | NA | 52.0 | | | | | | 42.7 | 80.0 |
| **Total Haloacetic Acids, ug/L | | | | | | | | | | | | | | |
| Distribution System | 33.0 | NA | NA | 37.0 | NA | NA | 41.5 | | | | | | 37.2 | 60.0 |
| Total Organic Carbon, mg/L | | | | | | | | | | | | | | |
| Influent from DeHart | 3.00 | NA | NA | 2.40 | NA | NA | 2.20 | | | | | | 2.53 | NA |
| Influent from Susquehanna | NA | NA | NA | NA | NA | NA | NA | | | | | | NA | NA |
| Filter Plant Effluent | 1.50 | NA | NA | 1.30 | NA | NA | 1.10 | | | | | | 1.30 | NA |
| Average Filter Run, Hours | 114 | 116 | 116 | 115 | 114 | 116 | 100 | | | | | | 113.00 | NA |

*** Not Available at Time of Report

* Values are related to DEP Secondary MCL

** Running Annual Quarterly Average

EXHIBIT B

Water Production Data - 2022

| DeHart Withdrawal | | River Withdrawal | | Total Withdrawal | | Treated Water | | Process Water | | Finished Water | | |
|-------------------|-----------------|------------------|--------------|------------------|-----------------|---------------|-----------------|---------------|---------------|----------------|-----------------|---------------|
| Month | Total (MG) | Average (MGD) | Total (MG) | Average (MGD) | Total (MG) | Average (MGD) | Total (MG) | Average (MGD) | Total (MG) | Average (MGD) | Total (MG) | Average (MGD) |
| January | 230.675 | 7.441 | 0.000 | 0.000 | 230.675 | 7.441 | 235.985 | 7.612 | 4.634 | 0.149 | 228.344 | 7.366 |
| February | 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 | | | | | | | | | | | | |
| September | | | | | | | | | | | | |
| October | | | | | | | | | | | | |
| November | | | | | | | | | | | | |
| December | | | | | | | | | | | | |
| Total | 1619.587 | | 0.000 | | 1619.587 | | 1654.042 | | 41.422 | | 1598.015 | |
| Average | 231.370 | 7.646 | 0.000 | 0.000 | 231.370 | 7.646 | 236.292 | 7.131 | 5.917 | 0.195 | 228.288 | 7.543 |

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

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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.13 |
| Daily Average | 0.080 | 0.113 | 0.150 | 0.168 | 0.211 | 0.195 | 0.070 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.987 |
| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.98 |

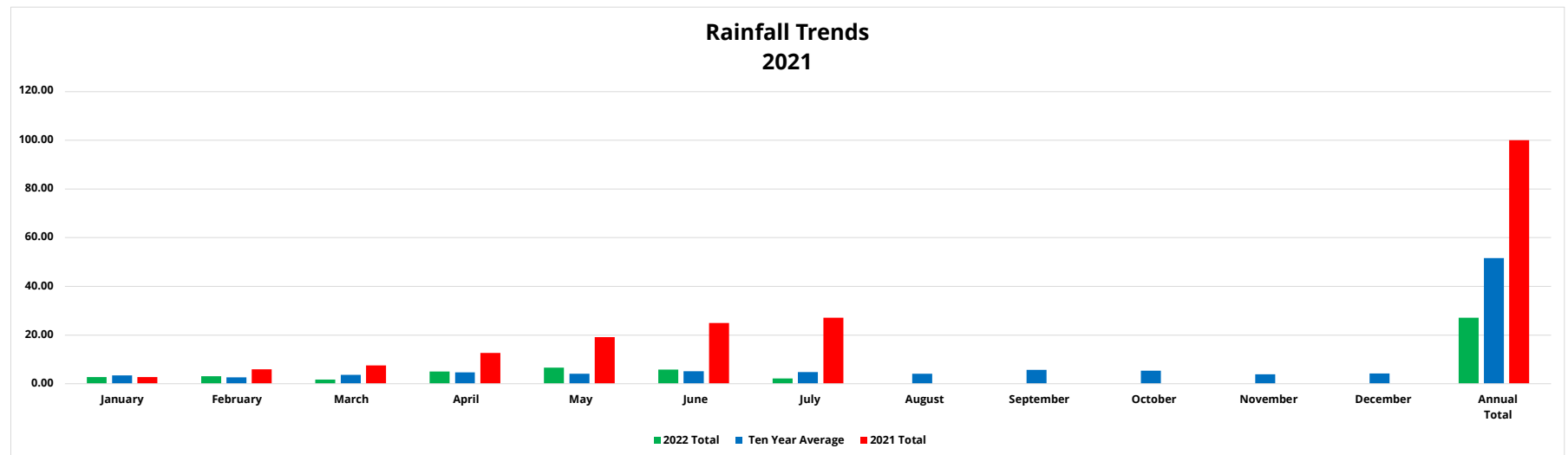


EXHIBIT D

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 | | | | | |
| 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 | | | | | |

DeHart Reservoir Water Level Trends
2021

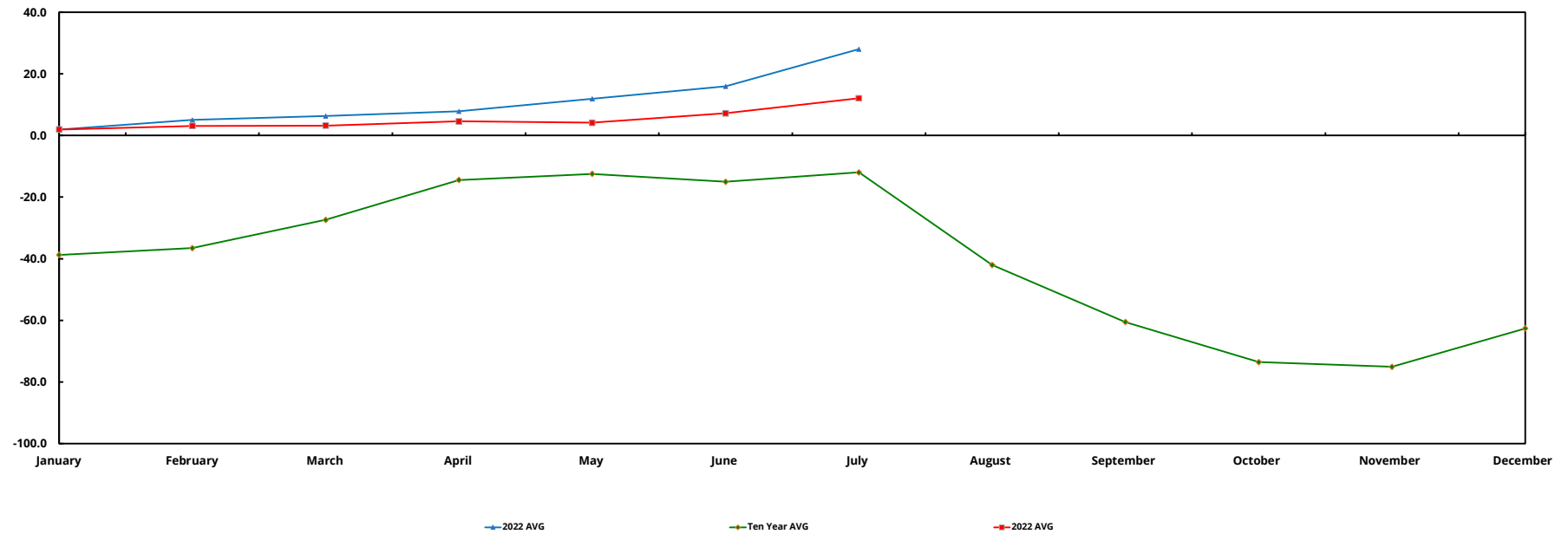


EXHIBIT E
Daily Conservation Release - 2022

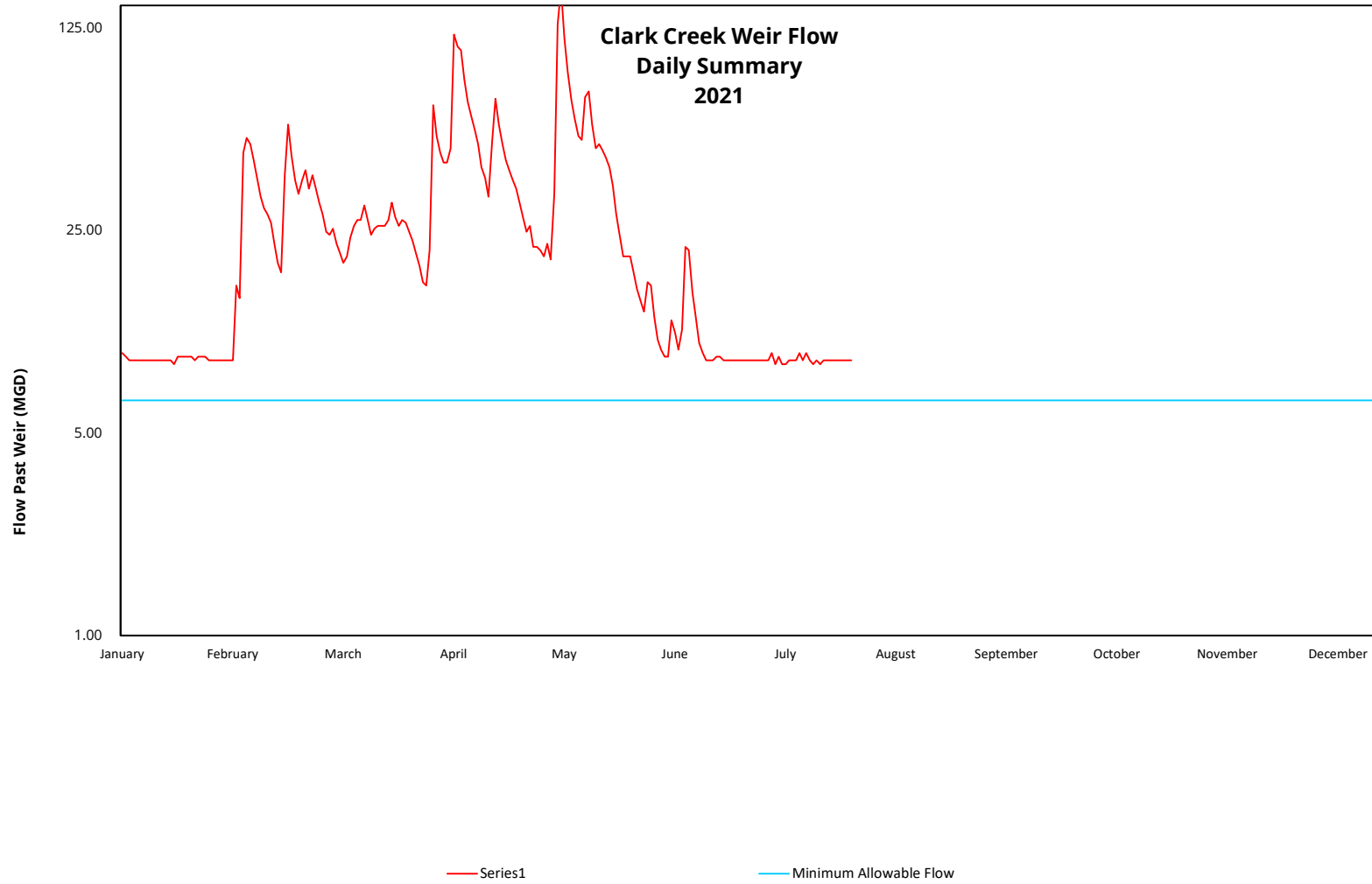




EXHIBIT F
Utility Usage - 2022

| 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 | | | | | | | | | 165,150 | 660,600 |
| Cost, Dollars | \$12,915.36 | \$8,967.54 | \$8,888.73 | \$11,610.27 | | | | | | | | | \$10,595.48 | \$42,381.90 |
| Electric Generation | | | | | | | | | | | | | | |
| Total, kWh | 196,200 | 136,800 | 145,800 | 181,800 | | | | | | | | | 165,150 | 660,600 |
| Cost, Dollars | \$1,323.23 | \$1,339.10 | \$1,303.79 | \$1,352.63 | | | | | | | | | \$1,329.69 | \$5,318.75 |
| Natural Gas | | | | | | | | | | | | | | |
| Total, Cu Ft | 14,898 | 11,450 | | | | | | | | | | | 13,174 | 26,348 |
| Cost, Dollars | \$12,296.76 | \$9,486.52 | | | | | | | | | | | \$10,891.64 | \$21,783.28 |
| Sewer | | | | | | | | | | | | | | |
| Total, Gal | 7,710,000 | 6,560,000 | | | | | | | | | | | 7,135,000 | 14,270,000 |
| Cost, Dollars | \$65,997.60 | \$56,152.60 | | | | | | | | | | | \$61,075.10 | \$122,150.20 |
| 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 | | | | | | | | | 83,400 | 333,600 |
| Cost, Dollars | \$3,943.58 | \$3,917.06 | \$3,362.56 | \$3,547.63 | | | | | | | | | \$3,692.71 | \$14,770.83 |
| Electric Generation | | | | | | | | | | | | | | |
| Total, kWh | 84,800 | 84,800 | 81,600 | 82,400 | | | | | | | | | 83,733 | 251,200 |
| Cost, Dollars | \$1,074.71 | \$1,134.00 | \$1,168.51 | | | | | | | | | | \$1,125.74 | \$3,377.22 |
| 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 | | | | | | | | 1,350 | 5,400 |
| Cost, Dollars | \$77.70 | \$14.63 | \$84.89 | | \$7.58 | | | | | | | | \$46.20 | \$184.80 |
| Electric Generation | | | | | | | | | | | | | | |
| Total, kWh | 1,800 | 1,200 | 1,800 | | 600 | | | | | | | | 1,200 | 6,000 |
| Cost, Dollars | \$75.67 | \$74.18 | \$71.63 | | \$69.05 | | | | | | | | \$71.88 | \$359.38 |
| 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 | | | | | | | | | 2,987 | 9,072 |
| Cost, Dollars | 152.42 | \$312.67 | \$150.83 | \$127.58 | | | | | | | | | \$185.88 | \$591.08 |
| Electric Generation | | | | | | | | | | | | | | |
| Total, kWh | 2876 | 3,875 | 2,888 | 2,309 | | | | | | | | | 2,987 | 9,072 |
| Cost, Dollars | 125.54 | \$127.11 | \$162.09 | \$120.18 | | | | | | | | | \$133.73 | \$409.38 |
| DeHart Facilities | | | | | | | | | | | | | | |
| Electric Transmission | | | | | | | | | | | | | | |
| Total, kWh | 2,965 | 2,845 | 2,728 | 2,470 | 2,209 | | | | | | | | 2,643 | 13,217 |
| Cost, Dollars | \$224.15 | | \$203.55 | \$199.31 | \$190.46 | | | | | | | | \$204.37 | \$817.47 |
| Electric Generation | | | | | | | | | | | | | | |
| Total, kWh | 2,965 | 2,845 | 2,728 | 2,499 | 2,209 | | | | | | | | 2,649 | 13,246 |
| Cost, Dollars | \$101.22 | \$96.85 | \$97.06 | \$90.42 | \$151.19 | | | | | | | | \$107.35 | \$536.74 |
| 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 | | 258 | | | | | | | | 346 | 1,382 |
| Cost, Dollars | \$23.33 | \$20.65 | \$19.97 | | \$11.81 | | | | | | | | \$18.94 | \$75.76 |
| Electric Generation | | | | | | | | | | | | | | |
| Total, kWh | 390 | 378 | 356 | | | | | | | | | | 375 | 1,124 |
| Cost, Dollars | \$65.29 | \$65.27 | \$64.99 | | | | | | | | | | \$65.18 | \$195.55 |
| Expenditures YTD | | | | | | | | | | | | | \$99,287 | \$229,457 |

** Not available at time report was developed

| | |
|---------------------------|------------------|
| Total Transmission | \$58,822 |
| Total Generation | \$10,197 |
| Total Refuse | \$6,115 |
| Total Gas | \$24,096 |
| Total Sewer | \$122,150 |
| Total Fuel Oil | \$8,077 |
| Total Utilities | \$223,342 |

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 | 0 | \$0 |
| September | 0 | \$0 |
| October | 0 | \$0 |
| November | 0 | \$0 |
| December | 0 | \$0 |
| Average | 45,456 | \$2,636 |
| Year to Date | 115,440 | \$6,696 |

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

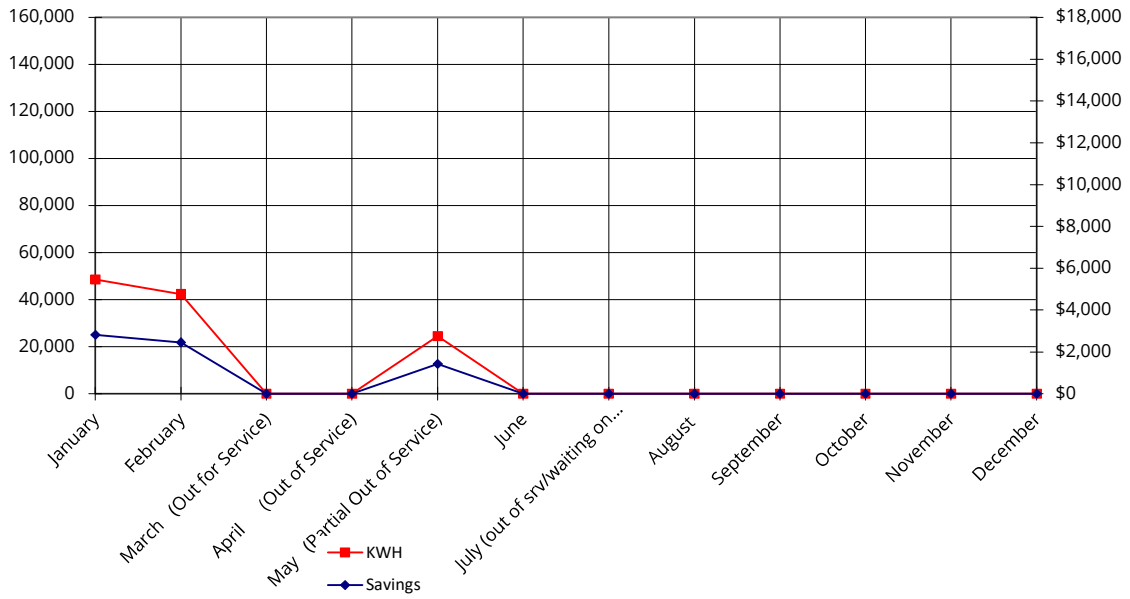


EXHIBIT H
Treatment Chemical Usage - 2022

| 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 | | | | | | 6,229 | 43,606 |
| Average, Chlorine Lbs./Day | 199 | 219 | 198 | 191 | 203 | 212 | 218 | | | | | | 205.8 | |
| Average, Chlorine Dose, mg/L | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | | | | | | 3.2 | |
| Chlorine Cost, \$/Lbs. | \$0.305 | \$0.305 | \$0.305 | \$0.305 | \$0.305 | \$0.305 | \$0.305 | | | | | | 0.3 | |
| Chlorine Total Cost, Dollars | \$1,885 | \$1,871 | \$1,871 | \$1,749 | \$1,919 | \$1,939 | \$2,065 | | | | | | \$1,899.84 | \$13,298.90 |
| Alum 48.5% | | | | | | | | | | | | | | |
| Total Lbs. | 48,096 | 46,683 | 42,713 | 38,071 | 38,686 | 37,906 | 34,430 | | | | | | 40,941 | 286,585 |
| Average, Alum, Lbs./Day | 1,551 | 1,667 | 1,378 | 1,269 | 1,248 | 1,264 | 1,111 | | | | | | 1355.5 | |
| Average, Alum, mg/L | 25.0 | 25.0 | 18.3 | 18.8 | 20.0 | 16.5 | 16.5 | | | | | | 20.0 | |
| Alum Cost, \$/Lbs. | \$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 | | | | | | \$6,714.53 | \$47,001.74 |
| Lime | | | | | | | | | | | | | | |
| Total Lbs. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 | 0 |
| Average Lime, Lbs./Day | 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 | |
| Lime Cost, \$/Lbs. | \$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 |
| Soda Ash | | | | | | | | | | | | | | |
| Total Lbs. | 24,800 | 25,750 | 25,400 | 26,250 | 31,650 | 32,700 | 35,450 | | | | | | 28,857 | 202,000 |
| Average Soda Ash, Lbs./Day | 800 | 920 | 819 | 875 | 1,021 | 1,090 | 1,144 | | | | | | 952.7 | |
| Average, Soda Ash Dose, mg/L | 16.7 | 16.7 | 16.2 | 16.9 | 17.7 | 17.9 | 21.0 | | | | | | 17.6 | |
| Soda Ash Cost, \$/Lbs. | \$0.299 | \$0.299 | \$0.299 | \$0.299 | \$0.299 | \$0.299 | \$0.299 | | | | | | 0.3 | |
| Soda Ash Total Cost, Dollars | \$7,415 | \$7,699 | \$7,595 | \$7,849 | \$9,463 | \$9,777 | \$10,600 | | | | | | \$8,628.31 | \$60,398.20 |
| Fluoride | | | | | | | | | | | | | | |
| Total Lbs. | 1,155 | 1,193 | 1,168 | 1,111 | 1,202 | 1,215 | 1,445 | | | | | | 1,213 | 8,489 |
| Average, Fluoride Lbs./Day | 37 | 43 | 38 | 37 | 39 | 41 | 47 | | | | | | 40.3 | |
| Average, Fluoride (F-) Dose, mg/L | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | | | | | | 0.6 | |
| Fluoride Cost, \$/Lbs. | \$0.48 | \$0.48 | \$0.48 | \$0.48 | \$0.48 | \$0.48 | \$0.48 | | | | | | \$0.48 | |
| Fluoride Total Cost, Dollars | \$554 | \$573 | \$561 | \$533 | \$577 | \$583 | \$694 | | | | | | \$582.20 | \$4,075.40 |
| Sodium Hydroxide 50% | | | | | | | | | | | | | | |
| Total NaOH 50% dry Lbs. | 41,600 | 36,660 | 38,202 | 36,068 | 41,385 | 42,323 | 42,135 | | | | | | 39,768 | 278,373 |
| Average NaOH 50%, dry Lbs./Day | 1,342 | 1,309 | 1,232 | 1,202 | 1,335 | 1,411 | 1,359 | | | | | | 1,313 | |
| Average, NaOH 50%, mg/L | 10.7 | 10.7 | 9.8 | 9.9 | 10.4 | 9.0 | 9.8 | | | | | | 10.0 | |
| NaOH 50% Cost, dry \$/Lbs | \$0.174 | \$0.174 | \$0.174 | \$0.174 | \$0.174 | \$0.174 | \$0.174 | | | | | | 0.2 | |
| NaOH 50% Total Cost, Dollars | \$7,238 | \$6,379 | \$6,647 | \$6,276 | \$7,200 | \$7,364 | \$7,332 | | | | | | \$5,993.77 | \$41,956.40 |
| Zinc Orthophosphate | | | | | | | | | | | | | | |
| Total Zn3(PO4)2, wet Lbs. | 5,142 | 5,057 | 5,034 | 4,712 | 5,189 | 5,251 | 5,600 | | | | | | 5,141 | 35,985 |
| Average Zn3(PO4)2, wet Lbs./Day | 166 | 181 | 162 | 157 | 167 | 175 | 181 | | | | | | 169.8 | |
| Average, Zn3(PO4)2 Dose, mg/L | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | | | | | | 2.7 | |
| Zn3(PO4)2 Cost, wet \$/Lbs. | \$0.374 | \$0.374 | \$0.374 | \$0.374 | \$0.374 | \$0.374 | \$0.374 | | | | | | 0.4 | |
| Zn3(PO4)2 Total Cost, Dollars | \$1,923 | \$1,891 | \$1,883 | \$1,762 | \$1,941 | \$1,964 | \$2,094 | | | | | | \$1,922.59 | \$13,458.11 |
| Potassium Permanganate | | | | | | | | | | | | | | |
| Total KMnO4, Lbs. | | | | | | | | | | | | | | 0 |
| Average KMnO4, Lbs./Day | | | | | | | | | | | | | | |
| Average, KMnO4 Dose, mg/L | | | | | | | | | | | | | | |
| KMnO4 Cost, \$/Lbs. | | | | | | | | | | | | | | |
| KMnO4 Total Cost, Dollars | | | | | | | | | | | | | | \$0.00 |
| Expenditure | | | | | | | | | | | | | | \$180,188.75 |
| Average Treated Cost per (MG) | | | | | | | | | | | | | | |
| Total Treated Flow (MGD) | | | | | | | | | | | | | | 0.000 |
| Average Treated Flow (MGD) | | | | | | | | | | | | | | 236.292 |

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 | 0 | 0 | 0 | 0 | 0 | 3,495 | 499 |
| 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 | 0 | 0 | 0 | 0 | 0 | 56 | 8 |
| Main Break Repair - Detected Non-Surfacing | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Main Breaks Repaired - Emergency | 2 | 6 | 3 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 2 |
| Service Line Leaks Detected | 2 | 10 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 16 | 2 |
| Service Line Leaks Repaired | 1 | 11 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 17 | 2 |
| Valves - Exercised | 0 | 0 | 0 | 2 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 26 | 4 |
| 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 | 0 | 0 | 0 | 0 | 0 | 17 | 2 |
| Hydrants Returned to Service | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Water Tap - Disconnected | 1 | 0 | 2 | 3 | 4 | 11 | 29 | 0 | 0 | 0 | 0 | 0 | 50 | 7 |
| Water Tap - New Connection | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 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 | 0 | 0 | 0 | 0 | 0 | 215 | 31 |
| Water Shutoffs - Non Payment | 0 | 0 | 0 | 37 | 31 | 41 | 9 | 0 | 0 | 0 | 0 | 0 | 118 | 17 |
| Water Restoration Turn on Other | 22 | 24 | 22 | 36 | 52 | 39 | 18 | 0 | 0 | 0 | 0 | 0 | 213 | 30 |
| Water Turn on - Non Payment | 5 | 6 | 5 | 24 | 14 | 22 | 7 | 0 | 0 | 0 | 0 | 0 | 83 | 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 | | | | | | 46 | 7 |
| | Leaking | 7 | 1 | 3 | 1 | 4 | 1 | 4 | | | | | | 21 | 3 |
| | Frozen | 10 | 6 | 6 | 5 | 1 | 0 | 0 | | | | | | 28 | 4 |
| | Non-registering | 1 | 3 | 5 | 5 | 2 | 4 | 3 | | | | | | 23 | 3 |
| | Large Meters ¹ | 0 | 0 | 0 | 1 | 1 | 0 | 0 | | | | | | 2 | 0 |
| New Service | New Installation | 0 | 1 | 1 | 1 | 0 | 1 | 0 | | | | | | 4 | 1 |
| Meter Service | | | | | | | | | | | | | | | |
| MXU's Replaced | MXU's Replaced | 20 | 22 | 41 | 18 | 31 | 24 | 61 | | | | | | 217 | 31 |
| Batteries Replaced | Batteries Replaced | 67 | 25 | 123 | 65 | 48 | 34 | 31 | | | | | | 393 | 56 |
| Meter Pits Serviced | Meter Pits Serviced | 1 | 0 | 0 | 1 | 1 | 1 | 1 | | | | | | 5 | 1 |
| Meter Calibrations | | | | | | | | | | | | | | | |
| Small Meters ² | Calibrated meters | 2 | 0 | 1 | 2 | 11 | 9 | 0 | | | | | | 25 | 4 |

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 | | | | | | 0 | N/A |
| Billed Metered Exported | Bulk Water Hauling | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | | | | | 0 | N/A |
| Billed Metered | Hydrant Connections | 0 | 0 | 0 | 8,176 | 359,716 | 81,274 | 0 | 0 | 0 | 0 | 0 | 0 | 449,166 | 64,167 |
| Billed Unmetered | Hydrant Flow Tests | 0 | 7,955 | 11,526 | 3,812 | 11,792 | 13,039 | 13,740 | 0 | 0 | 0 | 0 | 0 | 61,864 | 8,838 |
| 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 | 0 | 0 | 0 | 0 | 0 | 18,476,878 | 2,639,554 |
| Leakage on Distribution Mains | Main Leaks | 4,349,565 | 1,286,902 | 2,856,325 | 71,360 | 896,734 | 88,843 | 0 | 0 | 0 | 0 | 0 | 0 | 9,549,729 | 1,364,247 |
| Leakage on Service Lines | Service Leaks | 998,776 | 708,950 | 595,243 | 573,408 | 111,040 | 466,560 | 412,704 | 0 | 0 | 0 | 0 | 0 | 3,866,681 | 552,383 |
| | Total | 5,569,508 | 2,036,095 | 3,583,104 | 4,141,989 | 7,075,165 | 7,313,113 | 2,685,344 | 0 | 0 | 0 | 0 | 0 | 32,404,318 | 4,629,188 |



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WASTEWATER DEPARTMENT MONTHLY REPORT



Operator Brain Mountain retires after 41 years of service.

July 2022

1662 South Cameron Street, Harrisburg, PA 17104 | 888-510-0606
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Overview

Once again, staffing additions were heavy focus on the Wastewater department in July. A new Pretreatment Coordinator and Lab Supervisor was getting acclimated to his new duties. A new Operations Laborer has been hired and will begin training in August. But the list of vacancies is still long with two Operators, two Lab Technicians, and one Electrician position left to fill. The labor market is currently very challenging for recruitment, but Human Resources has been continually searching for candidates and viable options to fill the openings.

The flow maximization software program at the Front Street Pumping Station has been placed into service. There was one rain event in June that activated the program. It responded as intended, but several adjust were made, and will continue to be made after each future event.

Primary Digester No. 1 was finally biologically seeded in July. This is a very delicate process that requires a great deal of focused attention by Operations staff, and their execution was a great success. While there are a few mechanical conditions that need to be corrected, the biological process is working at a high level. The rate of gas production has increased significantly by running two digesters simultaneously. This bodes well for the prospects of future gas utilization with the AWTF's Energy Recovery Improvements project on the horizon in 2023.

Lastly, CRW has made significant progress in finding a purchaser for the Nitrogen Credits generated from the "Food Slurry as Supplemental Carbon Source". We are hopeful agreements can be finalized in August. However, disappointment came with PADEP's release of its Phase III Watershed Implementation Plan. The plan adjusts the delivery ratio of Nutrients Credits created from the hundreds of NPDES point sources within the Chesapeake Watershed. The reduced delivery ratio for CRW's AWTF will result in an 18 percent reduction in Nitrogen Credits issued for trading purposes. As a result, our current projection of available credits for sale has dropped to approximately 80,000. However, Operations staff is hard at work in maximizing treatment to increase that number before the end of the 2022 Water Year on September 30th.

Operations

During the month of July, the AWTF met all monthly average NPDES permit requirements. One Dry Weather Overflow was reported.

Hydraulic loading to the AWTF averaged 17.7 million gallons per day (MGD). The treatment process achieved removal reductions of 97.9 percent CBOD, 98.2 percent Suspended Solids, 82.3 percent Phosphorus, and 94.9 percent Ammonia (Exhibit A).

The Contract Waste Hauling program collected \$21,106.71 in revenue from 605,470 gallons discharged (Exhibit G). Revenue was lower due to almost no landfill leachate being offloaded in this increasingly dry climate.

The Cogeneration facility experienced an average run time of 33 percent in July. Revenue is estimated at \$4,315.46 on 36,900 Kilowatt-hours generated for the month. The decrease in runtime is primarily due to the mechanical failures of the 38-year-old Enginotor unit.

Laboratory

- Interviewed candidates for the vacant Laboratory Technician position to keep the laboratory properly staffed.
- Properly renaming files and deleting old files in the laboratory folder.
- Cataloging old/expired chemicals for disposal by GemChem.
- Started wastewater surveillance testing through Verily for pathogen monitoring. In addition to providing COVID-19 surveillance analysis at no cost to CRW, this program also provides a stipend to compensate for each sampling event.

Pretreatment

- Receiving and checking Second Quarter data from Industrial Users to ensure they are operating within their permit discharge parameters.
- Continuing high flow sampling for Hershey Creamery and Harrisburg Dairies.
- Continuing to digitize old forms and templates for better data tracking and management.
- Working on going through filing cabinets and removing old/outdated files.

Plant Maintenance

- Replaced 2-inch yard hydrant on the east side of the Final Clarifiers.
- Removed remote gate access devices for the north and south entrances into the facility.
- Excavated a yard hydrant for replacement on the west side of Primary Clarifier No. 4.
- Installed new UPS battery backups in the Main Building, Thickeners, and Pista Grit locations.
- Continued installation of Gorman Rupp Pump No. 3 at the Plant Drain Pump Station.
- Installed new pump control system and wet well level transducer at the Plant Drain Pump Station.
- Repaired 4-inch copper heating line to the heat exchangers at the Primary Digester.
- Continued equipment replacement at Primary Clarifier No. 3.
- Assembled new drives for Primary Clarifier No. 4.



-
- Continued repairs to the sewage pump air relief valves and pump control systems at the Spring Creek Pump Station.
 - Installed a rebuilt lift cylinder on the truck crane.
 - Performed 15 vehicle repairs in preparation for state inspections.
 - Serviced A/C units on several trucks.
 - Responded to several work requests at the NFS offices.

Field Construction

- Repaired 30 inlets in various locations in the city.
- Blanked 39 inlets in various locations throughout the City of Harrisburg to combat floatables into the combined system. Some of the inlets included were inlets under the Market Street railroad bridge. These inlets feed into the Market Street Pump Station. Floatables from these inlets have caused pump failures in the past.
- Performed an exploratory dig at 15th and Zarker Streets to investigate the cause of a residents back up. It was determined that a party line was collapsed. East Coast Trenchless was contracted to install a new party line.
- Replaced inlet at Harris Terrace and Hale Avenue with a new precast box and M top inlet.

Field Operations

- Total CCTV footage of sewer pipe assessed this month was 10,762.37 feet (2.04 miles). Phase 6 CCTV footage was 4,125.2 feet (0.78 miles) while CRW Field Operations footage was 6,637.17 feet (1.26 miles).
- Total of pipe flushed this month was 9,342.3 feet (1.77 miles). Phase 6 flushing was 3,635.9 feet (0.69 miles) while CRW Field Operations flushed 5,706.4' (1.08 miles).
- Responded to four backup and overflow calls from residents. CRW was liable for none.
- Responded to 11 sinkhole calls. Wastewater was liable for five and Drinking Water was liable for one.
- Cleaned 203 stormwater inlets.
- Inspected 188 stormwater inlets.
- There was one Dry Weather Overflow at CSO #052 Front and State.
- There were no Sanitary Sewer Overflow's this month.

Environmental Compliance

- One investigation was conducted during the month of July:
 - Reports of dead fish along the Paxton Creek were investigated by CRW's Environmental Compliance Inspector (ECI) as well as PADEP's Water Quality Specialists. CRW's staff was

unable to find a source of toxic discharge or a cause for the fish kill. The investigation was handed over to PADEP for more in-depth investigation and testing.

- FOG-related inspections/operations will resume for the month of August. Inspections were placed on hold throughout the month as our ECI was providing much needed help with management of AWTF Operations during an extended medical absence.

Street Sweeping

- Received no complaints this month.
- Completed 470.08 miles of street sweeping within the City of Harrisburg in July.
- Continued to sweep Reservoir Park. It will be included in Areas 1, 6, and 9.
- Water usage was approximately 13,600 gallons.
- Continued to assist the surface cleaning of storm inlets in scheduled sweeping area.
- When the days of the month fall on a fifth week, there is no scheduled sweeping. However, the Street Sweeping group will be assigned specific assignments throughout the city to continue the upkeep in highly visible areas. The end of July, the Street Sweeping group swept an additional 12.8 miles (included in total miles swept) and continued to clean off storm inlets.



CAPITAL REGION™

WATER

Wastewater Exhibits

EXHIBIT A

**CAPITAL REGION WATER
ADVANCED WASTEWATER TREATMENT FACILITY**

Process Control - 2022

| Parameters | January | February | March | April | May | June | July | August | September | October | November | December | Average | NPDES Limits |
|--|---------|----------|-------|-------|-------|------|-------------|--------|-----------|---------|----------|----------|---------|----------------|
| Volume, MGD | 18.4 | 24.3 | 20.3 | 26.0 | 28.6 | 19.4 | 17.7 | | | | | | 22.1 | 37.7 |
| Carbonaceous Biochemical Oxygen Demand | | | | | | | | | | | | | | |
| Influent, mg/L | 176 | 129 | 163 | 121 | 128 | 138 | 149 | | | | | | 143 | ---- |
| Effluent, mg/L | 3 | 3 | 3 | 3 | 3 | 4 | 3 | | | | | | 3 | 25 |
| Percent Removal, % | 98.1 | 93.3 | 97.9 | 97.0 | 96.0 | 97.1 | 97.9 | | | | | | 96.8 | ---- |
| Effluent Loading, lb/d | 520 | 846 | 572 | 724 | 952 | 637 | 446 | | | | | | 671 | 7,860 |
| Suspended Solids: | | | | | | | | | | | | | | |
| Influent, mg/L | 177 | 149 | 212 | 144 | 137 | 153 | 184 | | | | | | 165 | ---- |
| Effluent, mg/L | 4 | 4 | 3 | 2 | 3 | 3 | 3 | | | | | | 3 | 30 |
| Percent Removal, % | 97.5 | 92.4 | 98.6 | 98.3 | 96.5 | 98.0 | 98.2 | | | | | | 97.1 | ---- |
| Effluent Loading, lb/d | 715 | 1,397 | 499 | 569 | 990 | 650 | 468 | | | | | | 755 | 9,433 |
| Nitrogen | | | | | | | | | | | | | | |
| Total-N | | | | | | | | | | | | | | |
| Influent, mg/L | 26 | 24 | 26 | 20 | 23 | 24 | 25 | | | | | | 24 | ---- |
| Effluent, mg/L | 3.1 | 4.3 | 5 | 5.0 | 5.6 | 4.5 | 3.2 | | | | | | 4 | Monitor |
| Percent Removal, % | 88.0 | 82.2 | 80 | 75.1 | 75.2 | 81.2 | 87.2 | | | | | | 81.3 | ---- |
| Effluent Loading, lb/d | 469 | 719 | 778 | 996 | 1,170 | 705 | 449 | | | | | | 755 | ---- |
| NH3-N | | | | | | | | | | | | | | |
| Influent mg/L | 16 | 13 | 15 | 11 | 11 | 15 | 16 | | | | | | 14 | ---- |
| Effluent, mg/L | 0.7 | 1.8 | 2.3 | 0.7 | 1.6 | 0.6 | 0.8 | | | | | | 1 | 11 (2) |
| Percent Removal, % | 95.5 | 85.7 | 84.4 | 93.8 | 85.0 | 95.9 | 94.9 | | | | | | 90.7 | ---- |
| Effluent Loading, lb/d | 113 | 386 | 411 | 157 | 364 | 99 | 127 | | | | | | 237 | 4,716 |
| Phosphorus: | | | | | | | | | | | | | | |
| Influent, mg/L | 3.5 | 2.8 | 3.6 | 2.9 | 2.9 | 3.5 | 4.0 | | | | | | 3.3 | ---- |
| Effluent, mg/L | 0.9 | 1.0 | 1.6 | 1.1 | 1.2 | 1.5 | 0.7 | | | | | | 1.1 | 2.0 |
| Percent Removal, % | 71.6 | 63.4 | 53.6 | 63.1 | 58.9 | 57.1 | 82.3 | | | | | | 64.3 | ---- |
| Effluent Loading, lb/d | 144 | 206 | 274 | 220 | 241 | 240 | 102 | | | | | | 204 | 629 |
| pH: | | | | | | | | | | | | | | |
| Influent, Std. Units | 7.4 | 7.1 | 7.3 | 7.3 | 7.2 | 7.3 | 7.3 | | | | | | 7.3 | ---- |
| Effluent, Std. Units | 7.0 | 6.7 | 7.0 | 6.9 | 7.0 | 7.0 | 7.1 | | | | | | 7.0 | 6.0 - 9.0 |
| Dissolved Oxygen: | | | | | | | | | | | | | | |
| Effluent Minimum, mg/L | 7.0 | 7.7 | 7.1 | 7.0 | 7.2 | 6.3 | 7.2 | | | | | | 7.1 | 5.0 Min. |
| Fecal Coliform: | | | | | | | | | | | | | | |
| Effluent, No./100 ml | 6 | 6 | 1 | 4 | 2 | 3 | 3 | | | | | | 4 | 200/100 ml (1) |
| Chlorine Residual: | | | | | | | | | | | | | | |
| Effluent, mg/L | 0.19 | 0.20 | 0.19 | 0.21 | 0.41 | 0.36 | 0.42 | | | | | | 0.28 | 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 | | | | | | | | | | | | | | |
| September | | | | | | | | | | | | | | |
| October | | | | | | | | | | | | | | |
| November | | | | | | | | | | | | | | |
| December | | | | | | | | | | | | | | |
| Average | 22.06 | 9.99 | 12.07 | | | | | | | | | | | 3.72 |
| Percent | 100.00 | 45.30 | 54.70 | | | | | | | | | | | 26.02 |

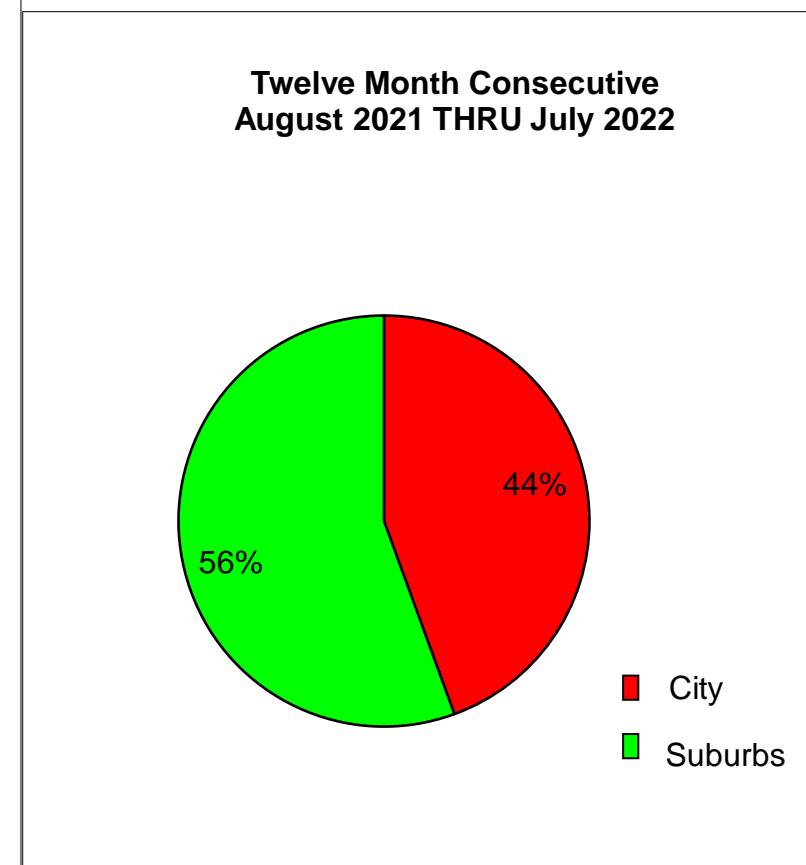
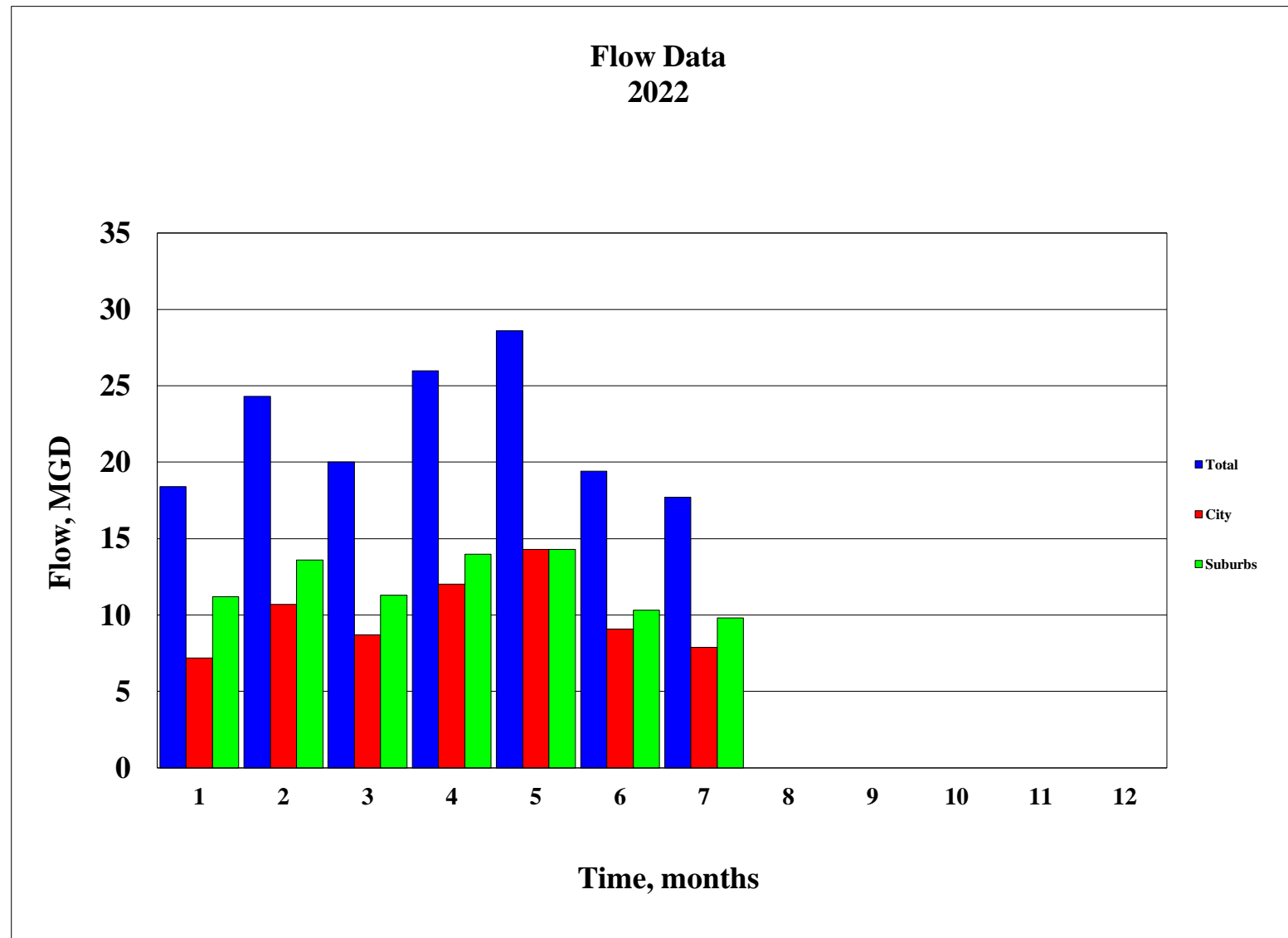


EXHIBIT C

**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 | | | | | | 1,041,814 | 7,292,700 |
| Average, kWh/Day | 36,513 | 36,879 | 32,894 | 35,750 | 31,268 | 33,350 | 34,394 | | | | | | 34,435 | ----- |
| Cost, Dollars | \$70,491.63 | \$72,766.82 | \$64,633.22 | \$70,097.82 | \$65,581.40 | \$67,785.65 | \$71,265.00 | | | | | | \$68,945.93 | \$482,621.54 |
| Natural Gas | | | | | | | | | | | | | | |
| Total, Cu Ft | 905.6 | 647.3 | 401.4 | 292.5 | 32.4 | 0.0 | * | | | | | | 326 | 2,279 |
| Average, Cu Ft/Day | 29 | 23 | 13 | 10 | 1 | 0 | * | | | | | | 13 | ----- |
| Cost, Dollars | \$7,509.60 | \$5,404.37 | \$3,544.64 | \$2,689.99 | \$413.51 | \$129.95 | * | | | | | | \$2,813.15 | \$19,692.06 |
| Water | | | | | | | | | | | | | | |
| Total, Gal. | 681,000 | 871,833 | 743,167 | 1,166,000 | 1,126,000 | 1,361,000 | * | | | | | | 991,500 | 5,949,000 |
| Average, Gal./Day | 21,968 | 31,137 | 23,973 | 38,867 | 36,323 | 45,367 | * | | | | | | 32,939 | ----- |
| Cost, Dollars | \$10,384.54 | \$12,357.75 | \$11,027.35 | \$15,399.44 | \$14,282.72 | \$17,415.74 | * | | | | | | \$11,552.51 | \$80,867.54 |
| MicroC | | | | | | | | | | | | | | |
| Total, Gal. | 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 | ----- |
| Cost, Dollars | \$0 | \$0.00 | \$0 | \$0 | \$0 | \$0 | \$0 | | | | | | \$0.00 | \$0.00 |
| Sodium Hydroxide | | | | | | | | | | | | | | |
| Total, Gal. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 | 0 |
| Average, Gal./Day | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 | ----- |
| Cost, Dollars | 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 | | | | | | 6,894 | 48,257 |
| Average, Lbs./Day | 172 | 215 | 165 | 238 | 281 | 265 | 256 | | | | | | 227 | ----- |
| Avg Residual, mg/L | 0.19 | 0.20 | 0.19 | 0.21 | 0.41 | 0.41 | 0.42 | | | | | | 0.29 | ----- |
| Cost, \$/Lbs. | \$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 | | | | | | \$6,824.92 | \$47,774.43 |
| Phosphorous Removal | | | | | | | | | | | | | | |
| Total FeCl3, Gals. | 507 | 1,333 | 1,634 | 2,743 | 2,417 | 2,675 | 447 | | | | | | 1,680 | 11,757 |
| Avg FeCl3, Gals./Day | 16 | 48 | 53 | 91 | 78 | 89 | 14 | | | | | | 56 | ----- |
| FeCl3 Cost, \$/Gal. | \$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 | | | | | | \$2,116.01 | \$14,812.06 |

* 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 | | | | | |
| September 2022 | | | | | |
| October 2022 | | | | | |
| November 2022 | | | | | |
| December 2022 | | | | | |
| <hr/> | | | | | |
| Total - 2022 | | | | 217,800 | \$25,471.71 |
| Monthly Average - 2022 | | 32 | 1,029 | 31,114 | \$3,638.82 |

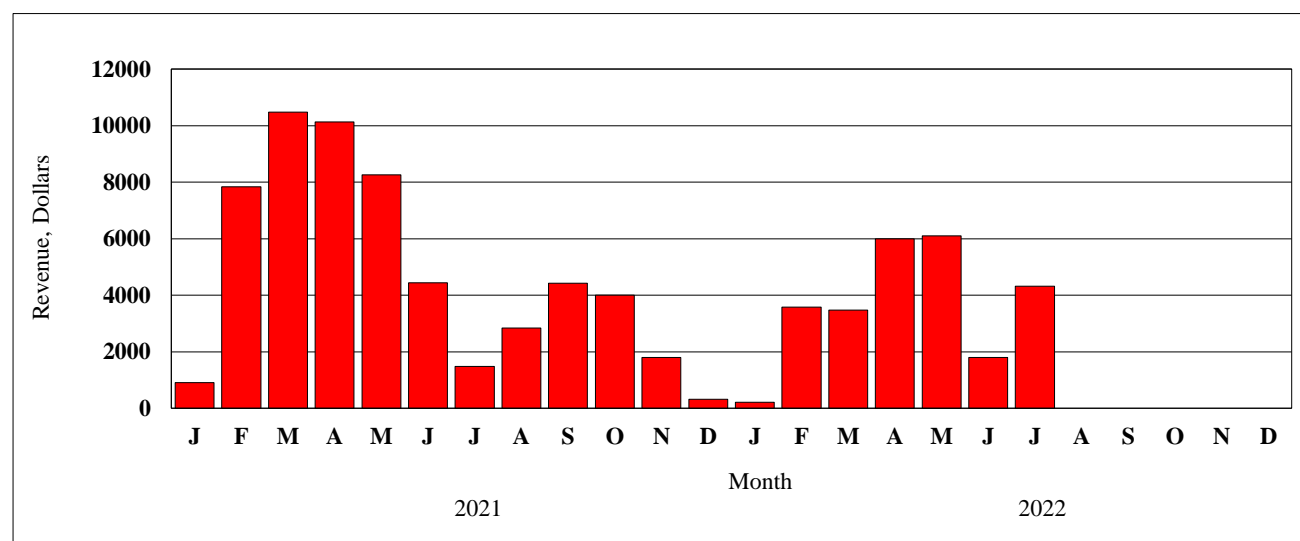


EXHIBIT E

**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 | 1,027,363 | | | | | | 1,047,167 | 7,330,170 |
| CWH Program, Lbs. | 69,353 | 76,120 | 124,956 | 61,652 | 122,100 | 72,880 | | | | | | | 87,843 | 527,061 |
| Total Solids, Lbs. | 906,149 | 884,724 | 1,381,413 | 1,356,901 | 1,163,839 | 1,136,842 | 1,027,363 | | | | | | 1,122,462 | 7,857,231 |
| 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 | | | | | | 4,244,429 | 29,711,000 |
| Feed Solids, % | 1.7 | 1.7 | 2.0 | 1.8 | 2.0 | 1.4 | 1.6 | | | | | | 1.7 | - |
| Labor, Hours | 459 | 416 | 659 | 644 | 561 | 659 | 467 | | | | | | 552 | 3,865 |
| Operations, Hours | 930 | 785 | 1,132 | 1,058 | 962 | 1,181 | 571 | | | | | | 945 | 6,618 |
| Total Cake, Dry Tons | 179 | 167 | 312 | 295 | 281 | 279 | 110 | | | | | | 232 | 1,623 |
| Total Cake, Wet Tons | 1,149 | 1,069 | 1,855 | 1,682 | 1,533 | 1,570 | 712 | | | | | | 1,367 | 9,570 |
| Cake TS, % | 15.5 | 15.6 | 16.8 | 17.6 | 18.4 | 17.8 | 17.1 | | | | | | 17.0 | - |
| Press Rate, Lbs./Hour | 2,472 | 2,725 | 3,279 | 3,179 | 3,186 | 2,659 | 2,493 | | | | | | 2,856 | 19,994 |
| Polymer Dosage, Lbs | 3,188 | 2,976 | 4,605 | 5,056 | 4,545 | 5,358 | 2,258 | | | | | | 3,998 | 27,986 |
| Polymer Dosage, Lbs/Dry Ton | 20.4 | 19.4 | 15.1 | 17.5 | 16.9 | 19.2 | 19.7 | | | | | | 18.3 | - |
| 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 | | | | | | \$10,613.28 | \$74,292.99 |
| Electrical, Dollars | \$409.07 | \$345.18 | \$497.86 | \$465.56 | \$423.37 | \$519.64 | \$251.28 | | | | | | \$415.99 | \$2,911.96 |
| Polymer, Dollars | \$6,216.60 | \$5,803.20 | \$8,979.75 | \$9,859.20 | \$8,862.75 | \$10,448.10 | \$4,403.10 | | | | | | \$7,796.10 | \$54,572.70 |
| Disposal, Dollars | \$27,763.12 | \$91,664.12 | \$107,614.33 | \$87,453.98 | \$89,783.89 | \$85,636.00 | \$44,429.50 | | | | | | \$76,334.99 | \$534,344.95 |
| Total Cost, Dollars | \$43,210.77 | \$105,808.02 | \$129,757.92 | \$110,162.19 | \$109,848.58 | \$109,269.72 | \$58,065.39 | | | | | | \$95,160.37 | \$666,122.60 |
| Cost Per Dry Ton, Dollars | \$241.40 | \$633.58 | \$415.89 | \$373.43 | \$390.92 | \$391.65 | \$527.87 | | | | | | \$424.96 | |

**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 | | | | | | 168,343 | 1,178,400 |
| Average, kWh/Day | 7,510 | 7,843 | 6,039 | 6,240 | 6,155 | 3,120 | 2,168 | | | | | | 5,582 | ----- |
| Cost, Dollars | \$14,883.12 | \$14,468.72 | \$10,417.84 | \$12,381.18 | \$13,421.18 | \$5,141.58 | \$2,480.22 | | | | | | \$10,456.26 | \$73,193.84 |
| Fuel Oil | | | | | | | | | | | | | | |
| Total, Gals. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 | 0 |
| Average, Gals./Day | 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 | \$0.00 |
| Water | | | | | | | | | | | | | | |
| Total, Gals. | 315,000 | 180,833 | 479,167 | 261,819 | 397,181 | 350,000 | * | | | | | | 330,667 | 1,984,000 |
| Average, Gal./Day | 10,161 | 6,458 | 15,457 | 8,727 | 12,812 | 11,667 | * | | | | | | 10,880 | ----- |
| Cost, Dollars | \$3,953.62 | \$2,566.33 | \$5,651.11 | \$3,403.73 | \$4,803.37 | \$4,315.52 | * | | | | | | | \$24,693.68 |
| Spring Creek Pump Station | | | | | | | | | | | | | | |
| Electric | | | | | | | | | | | | | | |
| Total, kWh | 36,160 | 52,160 | 55,040 | 85,120 | 96,960 | 79,360 | 64,960 | | | | | | 67,109 | 469,760 |
| Average, kWh/Day | 1,166 | 1,863 | 1,775 | 2,837 | 3,128 | 2,645 | 2,095 | | | | | | 2,216 | ----- |
| Cost, Dollars | \$2,617.50 | \$3,866.14 | \$3,752.30 | \$6,514.96 | \$7,873.63 | \$6,791.79 | \$5,832.00 | | | | | | \$5,321.19 | \$37,248.32 |
| Fuel Oil | | | | | | | | | | | | | | |
| Total, Gals. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 | 0 |
| Average, Gals./Day | 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 |
| Water | | | | | | | | | | | | | | |
| Total, Gals. | 25,000 | 39,000 | 106,000 | 79,333 | 224,667 | 140,000 | * | | | | | | 102,333 | 614,000 |
| Average, Gal./Day | 806 | 1,393 | 3,419 | 2,644 | 7,247 | 4,667 | * | | | | | | 3,363 | ----- |
| Cost, Dollars | \$334.49 | \$479.25 | \$1,172.03 | \$896.29 | \$2,399.05 | \$1,523.59 | * | | | | | | \$1,134.12 | \$6,804.70 |
| Market Street Pump Station | | | | | | | | | | | | | | |
| Electric | | | | | | | | | | | | | | |
| Total, kWh | 1,200 | 1,200 | 1,080 | 960 | 1,080 | 840 | 960 | | | | | | 1,046 | 7,320 |
| Average, kWh/Day | 39 | 43 | 35 | 32 | 35 | 28 | 31 | | | | | | 35 | ----- |
| Cost, Dollars | \$207.27 | \$123.51 | \$121.40 | \$237.38 | \$146.40 | \$66.71 | \$77.82 | | | | | | \$140.07 | \$980.49 |
| Fuel Oil | | | | | | | | | | | | | | |
| Total, Gals. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 | 0 |
| Average, Gals./Day | 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 |
| City Island Pump Station | | | | | | | | | | | | | | |
| Electric | | | | | | | | | | | | | | |
| Total, kWh | 40 | 40 | 40 | 40 | 40 | 40 | 40 | | | | | | 40 | 280 |
| Average, kWh/Day | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | 1 | ----- |
| Cost, Dollars | \$63.36 | \$54.75 | \$61.50 | \$63.19 | \$56.52 | \$53.56 | \$50.70 | | | | | | \$57.65 | \$403.58 |

* 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 | | | | | | |
| September | | | | | | |
| October | | | | | | |
| November | | | | | | |
| December | | | | | | |
| Total - 2022 | 6,446,737 | \$192,766.11 | 1,406,225 | \$49,881.50 | 7,852,962 | \$242,647.71 |
| Monthly Average - 2022 | 920,962 | \$27,538.02 | 200,889 | \$7,125.93 | 1,121,852 | \$34,663.96 |

